

Environmental Impact Assessment

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India: Karnataka Rural Roads Improvement Project

Part 2 of 4 – Appendixes 1 to 21

Prepared by Karnataka Rural Roads Development Agency, Government of Karnataka for the Asian Development Bank.

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Appendix -1

Rapid Environmental Assessment (REA) Checklist

Rapid Environmental Assessment (REA) Checklist

Instructions:

- (i) The Project team completes this checklist to support the environmental classification of a Project. It is to be attached to the environmental categorization form and submitted to the Safeguards Division (SDSS), for endorsement by Director, SDSS and for approval by the Chief Compliance Officer.
- (ii) This checklist focuses on environmental issues and concerns. To ensure that social dimensions are adequately considered, refer also to ADB's: (a) checklists on involuntary resettlement and Indigenous Peoples; (b) poverty reduction handbook; (c) staff guide to consultation and participation; and (d) gender checklists.
- (iii) Answer the questions assuming the "without mitigation" case. The purpose is to identify potential impacts. Use the "remarks" section to discuss any anticipated mitigation measures.

Country/Project Title 59160-001: IND - Karnataka Rural Roads Improvement Project

Sector Division: Transport

Screening Questions	Yes	No	Remarks
A. Project Siting Is the project area adjacent to or within any of the following environmentally sensitive areas?			
▪ Cultural heritage site	Yes		The Karnataka Rural Road Development Agency (KRRDA) has considered 1335 rural roads, across Karnataka for improvement. Out of the 1335 roads, 269 roads are ecologically sensitive roads and 591 roads are in critical habitat. These 269 roads either traverses fully or partly through the wildlife sanctuaries, protected forest or reserved forest or eco-sensitive zones and the cumulative length is approximately 980.27 km. 184 roads out of 269 roads are in Western Ghat, which is known as UNESCO World Heritage Site. Cultural Assets of Local Importance The cultural assets of local importance like temples, graveyards, idols are available adjacent to the right of way of the Project roads.

▪ Protected Area	Yes	There is one UNESCO World heritage site (natural) in the Karnataka State- Western Ghats Western Ghats, a chain of mountains running parallel to India's western coast, approximately 30-50 km inland, traverse the States of Kerala, Tamil Nadu, Karnataka, Goa, Maharashtra and Gujarat. The Western Ghats are internationally recognized as a region of immense global importance for the conservation of biological diversity, besides containing areas of high geological, cultural and aesthetic values¹. There are 10 number of designated wildlife sanctuaries and reserve forests in Western Ghat of Karnataka State. The Project roads traverses through two designated such wildlife sanctuary and a Reserved Forest of Western Ghat. Karnataka has 63 Protected areas that include • National Park – 5 • Wildlife Sanctuary 40 • Conservation Reserve – 17 • Community Reserve – 1 14 roads traverses adjoining the protected area, 186 roads adjoining reserved forest and 86 roads traverse through Eco-sensitive Zone. 1066 roads avoid the ecological impacts of the protected and sensitive forest areas, and the cumulative length is approximately 4187 km. The proximity of the UNESCO World heritage sites (cultural) to the nearest road sites are given below. 1. Hampi Monuments: • Project Road (Hampi to 76 Venkatapura; road ID: 4446) falls within the regulatory zone of the Hampi Lakshmi Narshimha Temple. Hampi Lakshmi Narsimha temple is located at the arial distance of 205 meters north of Project Road. • Swarna Hampi Kishkindha Hanuman Mandir is located nearly 15 m north (aerial distance) of the Project Road (Hosa Malapanagudi to kaddirapura Thanda, Ballari district; Road ID: 3381). • Group of monuments are located at an aerial distance of approximately 1.60 Km south of Project Road (Hampi to 76 Venkatapura; Road ID: 4446). 2. Pattadakal monuments: Located at an arial distance of approximately 9 km North of Project Road (Road ID (141) Paruti to join Gulledagudda Pattadakallu MDR, Bagalkot district). 3. Sacred Ensemble of Hoyasala: • Hoysaleswara Temple, Halebidu- Located at an aerial distance of 3.7 kms west of Project Road (Gonisommanahalli
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Screening Questions	Yes	No	Remarks
			to MDR via Hulekalleshwarabetta, hulekallhalli Hassan district; Road ID: 1005 • Keshava Temple, Somanathapura- Located at an aerial distance of 2.38 kms southeast from Project Road (Neragyathanahally to Jagajeevana Grama Via Kanayakanahalli; Road ID 4926) Cultural Assets of Local Importance The cultural assets of local importance like temples, graveyards, idols are available adjacent to the right of way of the Project roads.

¹ <https://whc.unesco.org/en/list/1342/>

▪ Wetland		No	In Karnataka, there are four wetlands designated as Ramsar Sites (Wetlands of International Importance) under the Ramsar Convention on Wetlands, namely – Ranganathittu Bird Sanctuary (Mandya District), Magadi Kere Conservation Reserve (Gadag District), Aghanashini Estuary (Uttara Kannada), and Ankasamudra Bird Conservation Reserve (Vijayanagara district), and 10 wetlands of international significance in Karnataka, identified by Ministry of Environment, Forest and Climate Change, India. The proximity to the Ramsar sites is as follows: • Aghanashini Estuary is located at the aerial distance of: ○ ~4 km Northeast of Project road (Maligadde road to NH 66 in Kumta Taluk Uttara Kannada District; Road ID: 2899). • Magadi Kere Conservation Reserve is located at: ○ Approximately 5 km north of Project road (Akkigunda to SH-6, Gadag district; Road ID: 144). • Ankasamudra Bird Conservation Reserve is located at an aerial distance² of: ○ Approximately 5 km west of Project road (Marabbihal Thanda to Narayanadevanakere, Vijayanagara district; Road ID: 3446). ○ ~6 km from Project Road (Hosa Anandadevanahalli to Kechinabandi, Vijayanagara district; Road ID:2109). ○ ~8 km from Project Road (MDR to Kitnur, Cross, Vijayanagara district; Road ID: 838) • Magadi Kere Conservation Reserve is located at: ○ ~ 7 km south of Project Road (Mulgund to yelishirur, Gadak Road Id: 4213). • Ranganathittu Bird Sanctuary is located at a distance of ○ ~6 km South of Damadahalli-Jayanthinagara SH to Taluk border Via Haleyelekere, Mandya district; Road ID: 4408. ○ ~6.5 km South of Project Road (Nelamane to Panadavapura Railway Station, Mandya District; Road ID: 4350). • ~10 Km North of Project road (Ring road near sathagalli to Bannur road via Galagarahundi, Gadag district; Road Id: 1336)
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Screening Questions	Yes	No	Remarks
▪ Mangrove		No	There are no mangrove ecosystems in the Project area.
▪ Estuarine		No	There are no estuaries in the Project area.
▪ Buffer zone of protected area	Yes		There is 34 Eco-sensitive Zone within the state of Karnataka, out of which 86 roads pass through ESZ/ buffer zones of the protected areas.
▪ Special area for protecting biodiversity	Yes		186 roads traverses through reserved fores, 14 roads traverses through protected area and 86 roads traverses through eco-sensitive zone. Western ghats is UNESCO world heritage site. 184 roads falls within Western Ghats.
B. Potential Environmental Impacts Will the Project cause...			
▪ encroachment on historical/cultural areas; disfiguration of landscape by road embankments, cuts, fills, and quarries?	Yes		The Project is not expected to cause encroachment on historical or cultural areas. However, temporary disfiguration of landscape by road embankments, cuts, fills, and quarries is anticipated during the construction phase.
▪ encroachment on precious ecology (e.g. sensitive or protected areas)?	Yes		Vegetation clearance will be involved within proposed right of way. Offsite facilities like construction and labour camps, will be located outside the forest boundary.
▪ alteration of surface water hydrology of waterways crossed by roads, resulting in increased sediment in streams affected by increased soil erosion at construction site?	Yes		The Project is likely to cause some alteration of surface water hydrology of water streams/ canals crossed by roads, leading to increased sediment in streams due to increased soil erosion at construction sites. The construction activities, including excavation and handling of materials, may negatively impact water quality through erosion and siltation. Specifically, soil erosion and sedimentation downstream of culverts can lead to changes in hydrology, water pollution, and habitat disruption.
▪ deterioration of surface water quality due to silt runoff and sanitary wastes from worker-based camps and chemicals used in construction?	Yes		Labour camps: lower number of workers are anticipated for the Project. The Project may cause deterioration of surface water quality due to silt runoff, and chemicals used in construction. Specifically: Silt Runoff: Erosion from the outfall of culverts and construction sites can increase the turbidity of surface water bodies. Chemicals: Accidental spills of chemicals, oil, and other pollutants from construction activities can contaminate ponds and streams near the Project alignment.

² Distance is the approximate aerial distance measured through Google Earth.

Screening Questions	Yes	No	Remarks
increased local air pollution due to rock crushing, cutting and filling works, and chemicals from asphalt processing?	Yes		The Project is likely to cause increased local air pollution due to rock crushing, cutting and filling works, and chemicals from asphalt processing during construction. Specific causes include: Cutting and Filling Works: These will also produce significant amounts of dust and Particulate Matter (PM) emissions. Chemicals from Asphalt Processing: The operational hot mix plants will release Hydrocarbon (HC) and Oxides of Nitrogen (Nox), along with other exhaust gases from the heating process. While these impacts are mostly temporary and restricted within the vicinity of construction activities, they can negatively affect air quality.
risks and vulnerabilities related to occupational health and safety due to physical, chemical, biological, and radiological hazards during project construction and operation?	Yes		The Project will pose temporary risks and vulnerabilities related to occupational health and safety due to various hazards during both construction and operation phases. These include: Physical Hazards: Construction activities such as excavation, concreting, masonry works, paving, bridge works, and handling heavy machinery carry risks of injury, falls, burns, and other accidents Chemical Hazards: Exposure to hazardous chemicals used in construction, such as those in hot mix plants, batching plants, and handling of hazardous waste, can lead to chemical injuries and respiratory problems. Biological Hazards: The Project may lead to the proliferation of communicable diseases, including STDs, respiratory infections, and waterborne diseases due to the movement of workers.
noise and vibration due to blasting and other civil works?	Yes		Blasting activity is not anticipated for the Project. The Project will cause temporary noise and vibration due to excavation, scarification, drilling and other civil works. Noise Impacts: Various construction activities and equipment like excavators' and construction vehicles will generate temporary noise impacts in the immediate vicinity of the construction site. Compaction activities are significant sources of noise during the construction phase and may cause discomfort to local residents and workers. Vibration Impacts: Compaction and drilling activities can also generate vibrations, which may damage adjacent properties.
dislocation or involuntary resettlement of people?		No	There will be no dislocation or involuntary resettlement in the Project. The additional land required for RoW, if applicable, will be obtained from local donation of land without causing involuntary resettlement.

Screening Questions	Yes	No	Remarks
dislocation and compulsory resettlement of people living in right-of-way?		No	There will be no dislocation or compulsory resettlement in the Project. The Project will not cause dislocation and compulsory resettlement of people living in the right-of-way.
disproportionate impacts on the poor, women and children, Indigenous Peoples, or other vulnerable groups?		No	Not observed along the road, however, extent will be assessed. Improvement of the road and bridge is likely to increase several beneficial impacts such as regular health check-up facility for pregnant women including delivery in the health facilities. Similarly, the Project activity is expected to increase education, employment and income opportunities for local people.
other social concerns relating to inconveniences in living conditions in the project areas that may trigger cases of upper respiratory problems and stress?	Yes		The Project may cause temporary other social concerns relating to inconveniences in living conditions in the Project areas that could trigger cases of upper respiratory problems and stress during construction stage. Specifically: Air Pollution: Construction activities, including road cutting, will increase dust levels and other air pollutants (PM10, PM2.5, NOx, SO2) that can lead to upper respiratory issues. Noise Pollution: Noise from construction machinery and activities can lead to stress and discomfort among residents. Public Health Concerns: Potential proliferation of communicable diseases can further stress local health services.
hazardous driving conditions where construction interferes with pre-existing roads?	Yes		The Project is likely to cause hazardous driving conditions where construction interferes with pre-existing roads. Specific risks include: Increased Pollution: Air, water, dust, noise, and traffic pollution will rise due to construction activities and the movement of construction vehicles and workers. Traffic Accidents: The incidence of accidents and fatalities may increase due to Project traffic, including the delivery of supplies and the concurrent movement of workers.

Screening Questions	Yes	No	Remarks
poor sanitation and solid waste disposal in construction camps and work sites, and possible transmission of communicable diseases (such as STI's and HIV/AIDS) from workers to local populations?	Yes		The Project may cause poor sanitation and solid waste disposal in construction and labour camps and work sites, leading to the possible transmission of communicable diseases, including STIs and HIV/AIDS, from workers to local populations. Specific concerns include: Poor Sanitation: Inadequate sanitation facilities at construction and labour camps can lead to unsanitary conditions and improper waste disposal practices. Solid Waste Disposal: Large influxes of workers generate significant amounts of waste, which can overwhelm local waste management capacities and result in illegal or improper disposal. Diseases Transmission: The movement of workers and interactions with local communities can facilitate the spread of communicable diseases such as STIs and HIV/AIDS, especially if there are insufficient public hygiene facilities and overwhelmed local health services.
creation of temporary breeding habitats for diseases such as those transmitted by mosquitoes and rodents?	Yes		The Project could create temporary breeding habitats for diseases transmitted by mosquitoes and rodents. Specific conditions that may lead to such issues include: Stagnant Water: Improper drainage conditions during construction can result in stagnant water, which is a breeding ground for mosquitoes. Waste Accumulation: Accumulation of discarded food materials and other household items near workers' camps can attract rodents. Health and Sanitation: Insufficient public hygiene facilities and overwhelmed local health services further exacerbate the situation, increasing the risk of communicable diseases.
accident risks associated with increased vehicular traffic, leading to accidental spills of toxic materials?	Yes		The Project will likely cause accident risks associated with increased vehicular traffic, which can lead to accidental spills of toxic materials. During the operation stage, impacts such as increased road accidents, accidental spillage, and water logging due to blockage of side drains are anticipated.
increased noise and air pollution resulting from traffic volume?	Yes		The Project is likely to cause increased noise and air pollution resulting from traffic volume, during both construction and operation phases. Noise Pollution: Increased traffic will contribute to higher noise levels, especially in sensitive areas. Air Pollution: Vehicular emissions from increased traffic volumes, particularly from ill-maintained vehicles, will contribute to poorer air quality along the road corridor.

Screening Questions	Yes	No	Remarks
increased risk of water pollution from oil, grease and fuel spills, and other materials from vehicles using the road?	Yes		The Project may cause an increased risk of water pollution from oil, grease, fuel spills, and other materials from vehicles using the road. Specific factors include: Construction Activities: Accidental spills of oil and chemicals at construction sites can contaminate nearby water bodies. Vehicle Operations: Accidental spills from vehicles carrying industrial materials, washing water from vehicles, repairing workshops, may pollute surface water bodies with oil, grease, and other pollutants.
social conflicts if workers from other regions or countries are hired?	Yes		The Project will have labour camps established during the construction phase. Approximately 15-20 labours per road package (2-3 roads per package) will be engaged. The Project may potentially cause social conflicts if workers from other regions or countries are hired. Specific concerns include: Ethnic and Regional Conflicts: Conflicts may arise between the host community and Project workers due to religious, ethnic, or cultural differences, and competition for resources Conflict Between Workers: There may also be internal conflicts among workers themselves.
large population influx during project construction and operation that causes increased burden on social infrastructure and services (such as water supply and sanitation systems)?	Yes		The Project is likely to cause a temporary population influx during construction but limited to the construction workers of skilled, semi-skilled and unskilled nature, which may result in an increased burden on social infrastructure and services. Specific impacts include: Social Infrastructure: Increased demand for existing roads, transportation, water, electricity, and sanitation systems due to the influx of construction workers. Health Services: Higher pressure on local health services due to the additional population. Increased impacts on local education system and other community facilities is not anticipated during construction phase. Large population influx during operation phase of the roads is not anticipated.

Screening Questions	Yes	No	Remarks
risks to community health and safety due to the transport, storage, and use and/or disposal of materials such as explosives, fuel and other chemicals during construction and operation?	Yes		The Project will pose risks to community health and safety related to the transport, storage, and use and/or disposal of materials such as fuel, and other chemicals throughout construction and operation phases. Specific concerns include: Transport Risks: Increased incidence of accidents and fatalities associated with Project traffic during operation. Transport of hazardous material during construction can also pose risk to community health and safety in an event of spillage. Storage Risks: Improper storage of hazardous materials during construction, like fuel, lubricants, and chemicals can lead to accidental spills and contamination. Usage and Disposal Risks: Exposure to hazardous chemicals and irresponsible disposal practices can result in health hazards like respiratory problems, chemical injuries, and pollution. Health Facilities: Local health and rescue facilities could be overwhelmed and ill-equipped to address accidents occurring at the construction site.
community safety risks due to both accidental and natural causes, especially where the structural elements or components of the project are accessible to members of the affected community or where their failure could result in injury to the community throughout project construction, operation and decommissioning.	Yes		The Project may cause community safety risks due to both accidental and natural causes, particularly where bridges structural elements or components are accessible to members of the affected community. Specific concerns include: Increased Traffic: Higher traffic volumes during construction can pose risks of accidents and fatalities. Structural Failures: Potential failure or damage of Project structures (like bridges, roads) can result in injuries if community members frequent these areas. Natural Causes: Natural hazards, such as localized flooding or landslides due to inadequate drainage or slope stabilization, can impact community safety.

ASBESTOS SCREENING TOOL

Screening Questions	Yes *	Maybe *	No	Remarks *For those with answers of YES and MAYBE , document the potential likelihood of asbestos being encountered.
Does the proposed project involve, or potentially involve, any of the following activities that are commonly associated with asbestos use:				
• Construction/commissioning of a new asset?			No	For all the roads : Neither Asbestos as a roofing material for labour camps nor for Project site offices will be used in the Project.
• Refurbishment / demolition of an existing asset?			No	For all the roads : This is a linear road project and hence not applicable. Also, no existing buildings with asbestos roofing will be used for the Project activities.
• Post-disaster response, involving reconstruction, repair, or removal of damaged asset?			No	Not applicable
• Maritime activities?			No	Not applicable
• Water supply, water sanitation, wastewater, sewerage, or water hygiene initiatives?			No	Not applicable
• Earthworks, remedial activities, or solid waste management?			No	Not applicable
• Power, telecommunications, or energy supply infrastructure?			No	Not applicable
• Maintenance, demolition, transportation, or disposal of wastes associated with the above activities?			No	Not applicable

Note: If you answered YES or MAYBE to the above questions, assume that the project is likely to encounter asbestos as a direct or indirect result of project-related activities and proceed to the [TOOLKIT FOR SCREENING ASBESTOS RISKS IN NEW ADB-SUPPORTED PROJECTS PART B – SCREENING TOOLS AND CHECKLISTS](#)

A Checklist for Preliminary Climate Risk Screening

Country/Project Title: 59160-001: IND - Karnataka Rural Roads Improvement Project

Sector: Transport

Subsector:

Division/Department:

Screening Questions		Score	Remarks ³
Location and Design of project	Is siting and/or routing of the project (or its components) likely to be affected by climate conditions including extreme weather-related events such as floods, droughts, storms, landslides?	0	
	Would the project design (e.g. the clearance for bridges) need to consider any hydro-meteorological parameters (e.g., sea-level, peak river flow, reliable water level, peak wind speed etc.)?	1	
Materials and Maintenance	Would weather, current, and likely future climate conditions (e.g. prevailing humidity level, temperature contrast between hot summer days and cold winter days, exposure to wind and humidity hydro-meteorological parameters likely affect the selection of project inputs over the life of project outputs (e.g. construction material)?	1	
	Would weather, current, and likely future climate conditions, and related extreme events likely affect the maintenance (scheduling and cost) of project output(s)?	1	
Performance of project outputs	Would weather/climate conditions, and related extreme events likely affect the performance (e.g. annual power production) of project output(s) (e.g. hydro-power generation facilities) throughout their design lifetime?	0	

Options for answers and corresponding score are provided below:

Response	Score
Not Likely	0
Likely	1
Very Likely	2

Responses when added that provide a score of 0 will be considered low risk project. If adding all responses will result to a score of 1–4 and that no score of 2 was given to any single response, the project will be assigned a medium risk category. A total score of 5 or more (which include providing a score of 1 in all responses) or a 2 in any single response, will be categorized as high risk project.

Result of Initial Screening (Low, Medium, High): Medium

Other Comments: _____

Prepared by: Nilesh Kumar, Senior Environment Officer, OSR-2

³ If possible, provide details on the sensitivity of project components to climate conditions, such as how climate parameters are considered in design standards for infrastructure components, how changes in key climate parameters and sea level might affect the siting/routing of project, the selection of construction material and/or scheduling, performances and/or the maintenance cost/scheduling of project outputs.

Appendix 2 List 1335 Roads

List of roads

Sl. No.	Division	District	Constituency	Package No	Name of Road	Roads ID	Road Length in Kms
1	Bagalkot	Bagalkot	Badami	ADB-KPP-CIR02-01-01	Improvements to road from Hanamasagar to Narasapura via Somanakoppa (Road ID-118) in Bagalkot PIU - ADB Financed.	118	6.35
2	Bagalkot	Bagalkot	Badami	ADB-KPP-CIR02-01-01	Improvements to road from Bankaneri to join SH (Road ID-3644) in Bagalkot PIU - ADB Financed.	3644	3.80
3	Bagalkot	Bagalkot	Badami	ADB-KPP-CIR02-01-01	Improvements to road from Neelagund to Aladakatti (Road ID-5251) in Bagalkot PIU - ADB Financed.	5251	4.50
4	Bagalkot	Bagalkot	Bagalkot	ADB-KPP-CIR02-01-04	Improvements to road from Hireyageri to join T-02 (Road ID-166) in Bagalkot PIU - ADB Financed.	166	10.70
5	Bagalkot	Bagalkot	Bagalkot	ADB-KPP-CIR02-01-04	Improvements to road from Bommanagi (MDR) to join NH (Road ID-1571) in Bagalkot PIU - ADB Financed.	1571	3.07
6	Bagalkot	Bagalkot	Bilgi	ADB-KPP-CIR02-01-09	Improvements to road from Kalasakoppa to Join Kaladagi MDR (Road ID-16) in Bagalkot PIU - ADB Financed.	16	3.77
7	Bagalkot	Bagalkot	Bilgi	ADB-KPP-CIR02-01-07	Improvements to road from Hosakote to Nandihal upto Taluk Border (Road ID-109) in Bagalkot PIU - ADB Financed.	109	3.10
8	Bagalkot	Bagalkot	Bilgi	ADB-KPP-CIR02-01-07	Improvements to road from Malagi to join Batakurki SH via Narenur LT1,Narenur LT2 (Road ID-4598) in Bagalkot PIU - ADB Financed.	4598	8.20
9	Bagalkot	Bagalkot	Hungund	ADB-KPP-CIR02-01-10	Improvements to road from Sulibhavi Gogajanal Road To Talikeri (Road ID-2263) in Bagalkot PIU - ADB Financed.	2263	3.93
10	Bagalkot	Bagalkot	Hungund	ADB-KPP-CIR02-01-10	Improvements to road from Ilhal To Gogajanal (Road ID-2267) in Bagalkot PIU - ADB Financed.	2267	4.35
11	Bagalkot	Bagalkot	Hungund	ADB-KPP-CIR02-01-11	Improvements to road from Ilkal To hulageri Upto Taluka Border (Road ID-3247) in Bagalkot PIU - ADB Financed.	3247	3.40
12	Bagalkot	Bagalkot	Hungund	ADB-KPP-CIR02-01-11	Improvements to road from Ilkal To Chikkakodagali (Road ID-3407) in Bagalkot PIU - ADB Financed.	3407	4.20
13	Bagalkot	Bagalkot	Jamkhandi	ADB-KPP-CIR02-01-13	Improvements to road from Link road from Jamkhandi-Savalagi road Sanal Santi road via Nyamagoud Vasthi (Road ID-1324) in Bagalkot PIU - ADB Financed.	1324	4.95
14	Bagalkot	Bagalkot	Jamkhandi	ADB-KPP-CIR02-01-13	Improvements to road from Tubachi-Badagi road to Tungal interior road (Road ID-4487) in Bagalkot PIU - ADB Financed.	4487	7.52
15	Bagalkot	Bagalkot	Mudhol	ADB-KPP-CIR02-01-15	Improvements to road from Aalagundi BK to Vajaramatti Halagali MDR (Road ID-1579) in Bagalkot PIU - ADB Financed.	1579	6.20
16	Bagalkot	Bagalkot	Mudhol	ADB-KPP-CIR02-01-15	Improvements to road from Nagural To Nagural Banadavasti Road (Road ID-2087) in Bagalkot PIU - ADB Financed.	2087	4.70
17	Bagalkot	Bagalkot	Mudhol	ADB-KPP-CIR02-01-15	Improvements to road from Jeeragal Ingalagi Road to Budni road (Road ID-4582) in Bagalkot PIU - ADB Financed.	4582	2.94
18	Bagalkot	Bagalkot	Terdal	ADB-KPP-CIR02-01-17	Improvements to road from Navalagi -Belagali to join Naragatti Road (Road ID-2818) in Bagalkot PIU - ADB Financed.	2818	4.70
19	Bagalkot	Bagalkot	Terdal	ADB-KPP-CIR02-01-17	Improvements to road from Terdal to Koligudda Road Upto Taluka Border (Road ID-2821) in Bagalkot PIU - ADB Financed.	2821	5.17
20	Bagalkot	Bagalkot	Terdal	ADB-KPP-CIR02-01-17	Improvements to road from Kulahalli-Madarkhandi to join SH 53 road (Road ID-4607) in Bagalkot PIU - ADB Financed.	4607	3.65
21	Ballari	Ballari	Bellary	ADB-KPP-CIR03-05-01	Improvements to road from Mecnahalli to joladarasi (Road ID-671) in Ballari PIUPIU - ADB Financed.	671	5.50
22	Ballari	Ballari	Bellary	ADB-KPP-CIR03-05-01	Improvements to road from Y Budihal cross road to Y Budihal - Bobbakunta main road via vijayapura camp (Road ID-679) in Ballari PIUPIU - ADB Financed.	679	2.62
23	Ballari	Ballari	Bellary	ADB-KPP-CIR03-05-01	Improvements to road from vanenur to Gududur camp (Road ID-695) in Ballari PIUPIU - ADB Financed.	695	6.05
24	Ballari	Ballari	Bellary City	ADB-KPP-CIR03-05-02	Improvements Road FromThirumalanganur camp to Bandihatti via Mangamma camp ,Hanuman Nagar, Mundragi,Goggarahatti, aldhahali Belgi cross (RBHLC Distributory canal and RBHLC Main canal) (ch. 0.00 to 15.05 km) in Ballari constituency (Road ID-4749) in Ballari PIUPIU - ADB Financed.	4749	15.06
25	Ballari	Ballari	Hadagali	ADB-KPP-CIR03-31-01	Improvements to road from SH to Manyara Masalawada Via Basarakodu thanda (Road ID-3366) in Ballari PIUPIU - ADB Financed.	3366	6.30
26	Ballari	Ballari	Hadagali	ADB-KPP-CIR03-31-01	Improvements to road from Dombarahalli to Kuruvatti Plot (Road ID-4799) in Ballari PIUPIU - ADB Financed.	4799	3.35
27	Ballari	Ballari	Hadagali	ADB-KPP-CIR03-31-01	Improvements to road from SH to Thumbinakere sanna thanda (Road ID-4911) in Ballari PIUPIU - ADB Financed.	4911	3.80
28	Ballari	Ballari	Kampli	ADB-KPP-CIR03-05-03	Improvements to road from Basarakodu to Gududur via allum sumangalamma camp from Ch 4.50Km to 7.62Km (Road ID-810) in Ballari PIUPIU - ADB Financed.	810	3.23
29	Ballari	Ballari	Kampli	ADB-KPP-CIR03-05-03	Improvements to road from Mustagatta to Arjun raj camp via baburao camp (Road ID-825) in Ballari PIUPIU - ADB Financed.	825	6.68
30	Ballari	Ballari	Kampli	ADB-KPP-CIR03-05-03	Improvements to road from Somalapura cross to H Veerapura via Somalapura chaiginalah (Road ID-3367) in Ballari PIUPIU - ADB Financed.	3367	6.35
31	Ballari	Ballari	Sandur	ADB-KPP-CIR03-05-04	Improvements Road From Bommagatta to Tippanamaradi cross via jigenhalli, Tippanamaradi till kalingeri (Road ID-2765) in Ballari PIUPIU - ADB Financed.	2765	7.65
32	Ballari	Ballari	Sandur	ADB-KPP-CIR03-05-04	Improvements to road from Gouripura to D.B.Halli Cross via S Oblapura (Road ID-2968) in Ballari PIUPIU - ADB Financed.	2968	3.60
33	Ballari	Ballari	Sandur	ADB-KPP-CIR03-05-04	Improvements to road from yelubenchli to halemadapura (Road ID-4468) in Ballari PIUPIU - ADB Financed.	4468	2.63
34	Ballari	Ballari	Sandur	ADB-KPP-CIR03-05-04	Improvements to road from Yelubenchli to Taluka Border (Kurugodu road) (Road ID-4925) in Ballari PIUPIU - ADB Financed.	4925	2.40
35	Ballari	Ballari	Siraguppa	ADB-KPP-CIR03-05-05	Improvements to road from Akhal to kotalachinta (Road ID-630) in Ballari PIUPIU - ADB Financed.	630	3.15
36	Ballari	Ballari	Siraguppa	ADB-KPP-CIR03-05-05	Improvements to road from Gajginahal to join Ibrahimapura Bagewadi road via Basvanna camp (Road ID-901) in Ballari PIUPIU - ADB Financed.	901	3.27
37	Ballari	Ballari	Siraguppa	ADB-KPP-CIR03-05-05	Improvements to road from K Sugur to Hirehal (Road ID-904) in Ballari PIUPIU - ADB Financed.	904	2.43
38	Ballari	Ballari	Siraguppa	ADB-KPP-CIR03-05-05	Improvements to road from B G Dinni to join Ravihal-Hatcholli main road (Road ID-909) in Ballari PIUPIU - ADB Financed.	909	2.40
39	Ballari	Ballari	Siraguppa	ADB-KPP-CIR03-05-05	Improvements to road from Gundiganuru to sirigeri via gundiganuru camp (Road ID-4007) in Ballari PIUPIU - ADB Financed.	4007	3.28
40	Ballari	Ballari	Vijayanagara	ADB-KPP-CIR03-31-04	Improvements to road from Malapanagudi thanda to galemmanagudi (Road ID-3378) in Ballari PIUPIU - ADB Financed.	3378	3.00
41	Ballari	Ballari	Vijayanagara	ADB-KPP-CIR03-31-04	Improvements to road from Hampi to 76 Venkatapura (Road ID-4446) in Ballari PIUPIU - ADB Financed.	4446	8.34
42	Gokak	Belagavi	Arabhavi	ADB-KPP-CIR02-04-01	Improvements to road from Rajapur to Kailoli (Road ID-1902) in Gokak PIU - ADB Financed.	1902	5.00
43	Gokak	Belagavi	Arabhavi	ADB-KPP-CIR02-04-01	Improvements to road from Shivapur to Mahalingapur Road (Road ID-1911) in Gokak PIU - ADB Financed.	1911	3.53
44	Gokak	Belagavi	Arabhavi	ADB-KPP-CIR02-04-01	Improvements to road from Arabhavi to Sangankeri via Parmaddi road (Road ID-4815) in Gokak PIU - ADB Financed.	4815	2.10
45	Belagavi	Belagavi	Athani	ADB-KPP-CIR02-04-14	Improvements to road from Yelihadagi (SH-72) to State Border via Adalatti (Road ID-2191) in Belagavi PIU - ADB Financed.	2191	8.85
46	Belagavi	Belagavi	Athani	ADB-KPP-CIR02-04-14	Improvements to road from Darur to Taluka Border (Siddapur) via Aravatagi Vasti (Road ID-3652) in Belagavi PIU - ADB Financed.	3652	5.52
47	Belagavi	Belagavi	Athani	ADB-KPP-CIR02-04-14	Improvements to road from Savadi RC Road to MDR(Athani Jamkhandi Road) (Road ID-4646) in Belagavi PIU - ADB Financed.	4646	5.39
48	Gokak	Belagavi	Bailahongal	ADB-KPP-CIR02-04-03	Improvements to road from Bailhongal to Amatur road (Road ID-2043) in Gokak PIU - ADB Financed.	2043	4.48
49	Gokak	Belagavi	Bailahongal	ADB-KPP-CIR02-04-03	Improvements to road from Bailhongal to Bailwad road (Road ID-2044) in Gokak PIU - ADB Financed.	2044	3.80
50	Gokak	Belagavi	Bailahongal	ADB-KPP-CIR02-04-03	Improvements to road from Bailhongal to Murkibhavi to Bailwad road. (Road ID-5229) in Gokak PIU - ADB Financed.	5229	5.20
51	Gokak	Belagavi	Bailahongal	ADB-KPP-CIR02-04-03	Improvements to road from Sanikoppa cross to Chivatgundi road (Road ID-5230) in Gokak PIU - ADB Financed.	5230	2.70

52	Belagavi	Belagavi	Belgaum Dakshin	ADB-KPP-CIR02-04-15	Improvements to road from Peernawadi To Hunchanatti Road (Road ID-1837) in Belagavi PIU - ADB Financed.	1837	2.06
53	Belagavi	Belagavi	Belgaum Dakshin	ADB-KPP-CIR02-04-15	Improvements to road from Yellur to Dhanane (Road ID-5313) in Belagavi PIU - ADB Financed.	5313	2.50
54	Belagavi	Belagavi	Belgaum Dakshin	ADB-KPP-CIR02-04-15	Improvements to road from Yellur to Jad Shahapur (Road ID-5314) in Belagavi PIU - ADB Financed.	5314	4.00
55	Belagavi	Belagavi	Belgaum Dakshin	ADB-KPP-CIR02-04-15	Improvements to road from Yellur to Majagon (Road ID-5315) in Belagavi PIU - ADB Financed.	5315	2.39
56	Belagavi	Belagavi	Belgaum Rural	ADB-KPP-CIR02-04-16	Improvements Road From Kudremani to Sonoli Road (Road ID-1850) in Belagavi PIU - ADB Financed.	1850	3.40
57	Belagavi	Belagavi	Belgaum Rural	ADB-KPP-CIR02-04-16	Improvements Road From Belagundi To Bokanur Upto Shantabai Temple (Road ID-2056) in Belagavi PIU - ADB Financed.	2056	2.86
58	Belagavi	Belagavi	Belgaum Rural	ADB-KPP-CIR02-04-16	Improvements to road from Rakkaskoppa to belagundi Belavatti Road (Road ID-4384) in Belagavi PIU - ADB Financed.	4384	2.55
59	Belagavi	Belagavi	Belgaum Rural	ADB-KPP-CIR02-04-16	Improvements Road From Hulikavi To Badas (Road ID-4857) in Belagavi PIU - ADB Financed.	4857	3.75
60	Belagavi	Belagavi	Belgaum Uttar	ADB-KPP-CIR02-04-17	Improvements Road From Shindolli to Alarwad via Basavan Kudachi. (Road ID-4828) in Belagavi PIU - ADB Financed.	4828	1.72
61	Belagavi	Belagavi	Belgaum Uttar	ADB-KPP-CIR02-04-17	Improvements Road From Alarwad Shindoli Road To Join Halaga (Road ID-4863) in Belagavi PIU - ADB Financed.	4863	3.50
62	Belagavi	Belagavi	Belgaum Uttar	ADB-KPP-CIR02-04-17	Improvements Road From Kanabargi To Railway line Road (Road ID-4879) in Belagavi PIU - ADB Financed.	4879	1.50
63	Belagavi	Belagavi	Chikkodi-Sadalga	ADB-KPP-CIR02-04-18	Improvements Road From Ingali to Shedabai via Ganesh Nagar (Road ID-1692) in Belagavi PIU - ADB Financed.	1692	3.37
64	Belagavi	Belagavi	Chikkodi-Sadalga	ADB-KPP-CIR02-04-18	Improvements Road From Kothali to Giraggon Bus stop (Road ID-1693) in Belagavi PIU - ADB Financed.	1693	3.07
65	Belagavi	Belagavi	Chikkodi-Sadalga	ADB-KPP-CIR02-04-18	Improvements Road From Pattankodi village to Join Gavan - M.N. Road via Murarji Desai School (Road ID-4720) in Belagavi PIU - ADB Financed.	4720	2.06
66	Belagavi	Belagavi	Chikkodi-Sadalga	ADB-KPP-CIR02-04-18	Improvements Road From New Ingali to join Manjari-Ingali road (Road ID-4769) in Belagavi PIU - ADB Financed.	4769	3.34
67	Belagavi	Belagavi	Chikkodi-Sadalga	ADB-KPP-CIR02-04-18	Improvements Road From Shiragonwadi to Bhoj Cross (Ch. 2.30 to 4.60 Km) (Road ID-4849) in Belagavi PIU - ADB Financed.	4849	2.85
68	Gokak	Belagavi	Gokak	ADB-KPP-CIR02-04-05	Improvements to road from Shindikurbet to ghataprhba main road (Road ID-4890) in Gokak PIU - ADB Financed.	4890	2.50
69	Gokak	Belagavi	Gokak	ADB-KPP-CIR02-04-05	Improvements to road from Benchinmaradi to Sainik nagar (Road ID-5046) in Gokak PIU - ADB Financed.	5046	2.78
70	Gokak	Belagavi	Gokak	ADB-KPP-CIR02-04-05	Improvements to road from Telaginatti to madwal (Road ID-5048) in Gokak PIU - ADB Financed.	5048	2.95
71	Belagavi	Belagavi	Hukkeri	ADB-KPP-CIR02-04-19	Improvements Road From Harganpurad to Ankle road (Road ID-1489) in Belagavi PIU - ADB Financed.	1489	3.73
72	Belagavi	Belagavi	Hukkeri	ADB-KPP-CIR02-04-19	Improvements Road From Hukkeri to Hidakal Dam dayke Road Via Yarnal (Road ID-3616) in Belagavi PIU - ADB Financed.	3616	2.20
73	Belagavi	Belagavi	Hukkeri	ADB-KPP-CIR02-04-19	Improvements Road From Solapur to champa Hosur (Road ID-3701) in Belagavi PIU - ADB Financed.	3701	2.56
74	Belagavi	Belagavi	Hukkeri	ADB-KPP-CIR02-04-19	Improvements to road from Kamatnur Ammanagi Road to Amminabhavi Via Naganur tota (Road ID-4337) in Belagavi PIU - ADB Financed.	4337	2.68
75	Belagavi	Belagavi	Kagwad	ADB-KPP-CIR02-04-20	Improvements Road FromLokur (NH-548B) To Ugar BK via Turaiwadi (Road ID-2129) in Belagavi PIU - ADB Financed.	2129	8.12
76	Belagavi	Belagavi	Kagwad	ADB-KPP-CIR02-04-20	Improvements Road FromBevanur to Malabhad (SH-31) (Road ID-2132) in Belagavi PIU - ADB Financed.	2132	4.85
77	Belagavi	Belagavi	Khanapur	ADB-KPP-CIR02-04-21	Improvements Road From Gudenahatti To Buranaki Cross Road (Road ID-1712) in Belagavi PIU - ADB Financed.	1712	6.40
78	Belagavi	Belagavi	Khanapur	ADB-KPP-CIR02-04-21	Improvements Road From Kakkavi to Pradya ashram road (Road ID-1761) in Belagavi PIU - ADB Financed.	1761	2.50
79	Belagavi	Belagavi	Khanapur	ADB-KPP-CIR02-04-21	Improvements Road From Ganebail To Katagali R (Road ID-4394) in Belagavi PIU - ADB Financed.	4394	5.64
80	Gokak	Belagavi	Kittur	ADB-KPP-CIR02-04-07	Improvements to road from Savatgi to Khodanpur Belawadi road (Road ID-4187) in Gokak PIU - ADB Financed.	4187	2.63
81	Gokak	Belagavi	Kittur	ADB-KPP-CIR02-04-07	Improvements to road from Vannur to Chickbudnur road. (Road ID-4806) in Gokak PIU - ADB Financed.	4806	3.14
82	Gokak	Belagavi	Kittur	ADB-KPP-CIR02-04-07	Improvements to road from Nagnur to Sanikoppa road. (Road ID-4808) in Gokak PIU - ADB Financed.	4808	3.73
83	Gokak	Belagavi	Kittur	ADB-KPP-CIR02-04-07	Improvements to road from Neginhal to Navnagar road. (Road ID-4809) in Gokak PIU - ADB Financed.	4809	2.76
84	Belagavi	Belagavi	Kudachi	ADB-KPP-CIR02-04-22	Improvements Road FromYcharatti (SH-53) to Taluka Border (Road ID-1814) in Belagavi PIU - ADB Financed.	1814	3.37
85	Belagavi	Belagavi	Kudachi	ADB-KPP-CIR02-04-22	Improvements Road FromParamanandwadi to Yelparatti Bangalow (SH-53) (Road ID-2098) in Belagavi PIU - ADB Financed.	2098	3.79
86	Belagavi	Belagavi	Kudachi	ADB-KPP-CIR02-04-22	Improvements Road FromHarigeri to SH-53 via Badanekai Tota (Road ID-2429) in Belagavi PIU - ADB Financed.	2429	3.94
87	Belagavi	Belagavi	Kudachi	ADB-KPP-CIR02-04-22	Improvements Road FromHandigund to Taluka Border (Golbhavi Road) (Road ID-3372) in Belagavi PIU - ADB Financed.	3372	3.48
88	Belagavi	Belagavi	Nippani	ADB-KPP-CIR02-04-23	Improvements Road From Gavan Mane vasti to T-10 (Road ID-1703) in Belagavi PIU - ADB Financed.	1703	2.76
89	Belagavi	Belagavi	Nippani	ADB-KPP-CIR02-04-23	Improvements Road From Gajabarwadi Sulakud to T-13 (Road ID-1708) in Belagavi PIU - ADB Financed.	1708	3.70
90	Belagavi	Belagavi	Nippani	ADB-KPP-CIR02-04-23	Improvements Road From Jattrat Kamat vasti to Padlihal via Jattrat (Road ID-3686) in Belagavi PIU - ADB Financed.	3686	3.83
91	Belagavi	Belagavi	Nippani	ADB-KPP-CIR02-04-23	Improvements Road From Jainwadi to MDR via Bollewadi (Road ID-4197) in Belagavi PIU - ADB Financed.	4197	2.02
92	Gokak	Belagavi	Ramdurg	ADB-KPP-CIR02-04-09	Improvements to road from Gutgoli Addapatti Tota to Hosakoti Road (Road ID-1999) in Gokak PIU - ADB Financed.	1999	4.50
93	Gokak	Belagavi	Ramdurg	ADB-KPP-CIR02-04-09	Improvements to road from Kullur to Biagiuppi Road (Road ID-2003) in Gokak PIU - ADB Financed.	2003	4.05
94	Gokak	Belagavi	Ramdurg	ADB-KPP-CIR02-04-09	Improvements to road from Kamakeri to Budinikurda Road (Road ID-2005) in Gokak PIU - ADB Financed.	2005	3.30
95	Gokak	Belagavi	Ramdurg	ADB-KPP-CIR02-04-09	Improvements to road from Torangatti to Padmanoli road (Road ID-5127) in Gokak PIU - ADB Financed.	5127	2.16
96	Belagavi	Belagavi	Raybag	ADB-KPP-CIR02-04-24	Improvements Road From Nagarmunnolli to Join Belakud Kenchanati Road via Mangule tota (Road ID-2357) in Belagavi PIU - ADB Financed.	2357	3.52
97	Belagavi	Belagavi	Raybag	ADB-KPP-CIR02-04-24	Improvements Road From Inal to Raibag Nagarmunnolli Road (Road ID-2381) in Belagavi PIU - ADB Financed.	2381	4.83
98	Belagavi	Belagavi	Raybag	ADB-KPP-CIR02-04-24	Improvements Road From Old Diggewadi to New Diggewadi (Road ID-4788) in Belagavi PIU - ADB Financed.	4788	2.64
99	Gokak	Belagavi	Saundatti Yellamma	ADB-KPP-CIR02-04-11	Improvements to road from Madlur to Benakatti Road (Road ID-2007) in Gokak PIU - ADB Financed.	2007	2.47
100	Gokak	Belagavi	Saundatti Yellamma	ADB-KPP-CIR02-04-11	Improvements to road from Talur to Benakatti (Road ID-2015) in Gokak PIU - ADB Financed.	2015	4.68
101	Gokak	Belagavi	Saundatti Yellamma	ADB-KPP-CIR02-04-11	Improvements to road from Hooli to Chulaki Road (Road ID-2024) in Gokak PIU - ADB Financed.	2024	6.63
102	Gokak	Belagavi	Saundatti Yellamma	ADB-KPP-CIR02-04-11	Improvements to road from Rainapur to Nugganatti tota (Road ID-4330) in Gokak PIU - ADB Financed.	4330	1.59
103	Belagavi	Belagavi	Yemkanamard i	ADB-KPP-CIR02-04-25	Improvements Road From Misarguppi to join SH-44 Road (Road ID-1805) in Belagavi PIU - ADB Financed.	1805	2.45
104	Belagavi	Belagavi	Yemkanamard i	ADB-KPP-CIR02-04-25	Improvements Road From Nangnur shiddal to Malatti Road (Road ID-1824) in Belagavi PIU - ADB Financed.	1824	4.20
105	Belagavi	Belagavi	Yemkanamard i	ADB-KPP-CIR02-04-25	Improvements Road From chikkaladinni to hosaghad road (Road ID-5348) in Belagavi PIU - ADB Financed.	5348	3.99
106	Belagavi	Belagavi	Yemkanamard i	ADB-KPP-CIR02-04-25	Improvements Road From Bidrewadi To Attihal Chakra Road Upto Maharashtra Border road (Road ID-5350) in Belagavi PIU - ADB Financed.	5350	4.60
107	Bengaluru (Rural)	Bengaluru (Rural)	Devanahalli	ADB-KPP-CIR01-02-01	Improvements to road from IVC Road to CTR via Naraganahally, Doddacheemanahally (Road ID-1706) in Bengaluru (Rural) PIU - ADB Financed.	1706	4.61
108	Bengaluru (Rural)	Bengaluru (Rural)	Doddaballapur	ADB-KPP-CIR01-02-03	Improvements to road from NH 648 to Boochanahalli via Rampura, Bhaktharahalli, Madeshwara (Road ID-2144) in Bengaluru (Rural) PIU - ADB Financed.	2144	8.60
109	Bengaluru (Rural)	Bengaluru (Rural)	Hosakote	ADB-KPP-CIR01-02-05	Improvements to road from SH-35 to Giddappanahally via, Bettahally (Road ID-1717) in Bengaluru (Rural) PIU - ADB Financed.	1717	2.73
110	Bengaluru (Rural)	Bengaluru (Rural)	Hosakote	ADB-KPP-CIR01-02-05	Improvements to road from MDR Near Archally to Govindapurva via, Archally, Dalasagere (Road ID-4578) in Bengaluru (Rural) PIU - ADB Financed.	4578	3.66

111	Bengaluru (Rural)	Bengaluru (Rural)	Hosakote	ADB-KPP-CIR01-02-05	Improvements to road from Nandagudi - Bylanarasapura MDR to K-Setthahally Cross via , Meduru, Siddenahally (Road ID-4579) in Bengaluru (Rural) PIU - ADB Financed.	4579	2.92
112	Bengaluru (Rural)	Bengaluru (Rural)	Hosakote	ADB-KPP-CIR01-02-05	Improvements to road from Handenahally MDR to S-Narayanakere MDR via Banarahalli (Road ID-5272) in Bengaluru (Rural) PIU - ADB Financed.	5272	3.27
113	Bengaluru (Urban)	Bengaluru (Urban)	Anekal	ADB-KPP-CIR01-03-01	Improvements to road from Iggalur (Chandapura Main Road) to Bandapura-Balaganahalli Main Road (Road ID-703) in Bengaluru (Urban) PIU - ADB Financed.	703	3.62
114	Bengaluru (Urban)	Bengaluru (Urban)	Anekal	ADB-KPP-CIR01-03-01	Improvements to road from Chandapura-Anekal (MDR) Road to MDR via Karpura colony, Karpura, Thattannahalli, Avadadenahalli (Road ID-2735) in Bengaluru (Urban) PIU - ADB Financed.	2735	5.00
115	Bengaluru (Urban)	Bengaluru (Urban)	Anekal	ADB-KPP-CIR01-03-01	Improvements to road from MDR (Ramasagara) to Singhena Agrahara-Ramasagara Road via Ramasagara Ambedkar Colony Vaddarapalya (Road ID-3996) in Bengaluru (Urban) PIU - ADB Financed.	3996	3.20
116	Bengaluru (Urban)	Bengaluru (Urban)	Bangalore South	ADB-KPP-CIR01-03-02	Improvements to road from Vaderamanchanahalli to Bengaluru South Taluk Border via Nosenuru Gollahalli (Road ID-5214) in Bengaluru (Urban) PIU - ADB Financed.	5214	5.25
117	Bengaluru (Urban)	Bengaluru (Urban)	Yelahanka	ADB-KPP-CIR01-03-03	Improvements to road from MARATIPALYA TO HUSKUR (Road ID-704) in Bengaluru (Urban) PIU - ADB Financed.	704	1.89
118	Bengaluru (Urban)	Bengaluru (Urban)	Yelahanka	ADB-KPP-CIR01-03-03	Improvements to road from NARASIPURA TO ALUR (Road ID-710) in Bengaluru (Urban) PIU - ADB Financed.	710	2.86
119	Bengaluru (Urban)	Bengaluru (Urban)	Yelahanka	ADB-KPP-CIR01-03-03	Improvements to road from AVERAHALLI MAIN ROAD TO LAKKENAHALLI CROSS (Road ID-1686) in Bengaluru (Urban) PIU - ADB Financed.	1686	1.86
120	Bengaluru (Urban)	Bengaluru (Urban)	Yelahanka	ADB-KPP-CIR01-03-03	Improvements to road from BETHANAGERE TO HUSKUR MAIN ROAD VIA DODDIPALYA (Road ID-4070) in Bengaluru (Urban) PIU - ADB Financed.	4070	1.41
121	Bengaluru (Urban)	Bengaluru (Urban)	Yeshwanthapura	ADB-KPP-CIR01-03-04	Improvements to road from YELACHAGUPPE TO SH-85 (MAGADI MAIN ROAD) VIA JATTIPALYA (Road ID-726) in Bengaluru (Urban) PIU - ADB Financed.	726	2.45
122	Bengaluru (Urban)	Bengaluru (Urban)	Yeshwanthapura	ADB-KPP-CIR01-03-04	Improvements to road from CHUNCHANAGUPPE MAIN ROAD TO KOLUR MAIN ROAD (Road ID-4218) in Bengaluru (Urban) PIU - ADB Financed.	4218	1.72
123	Bengaluru (Urban)	Bengaluru (Urban)	Yeshwanthapura	ADB-KPP-CIR01-03-04	Improvements to road from GANAPATHIHALLI VILLAGE TO PUNUGAMARANAHALLI VILLAGE JUNCTION (Road ID-4220) in Bengaluru (Urban) PIU - ADB Financed.	4220	1.08
124	Bengaluru (Urban)	Bengaluru (Urban)	Yeshwanthapura	ADB-KPP-CIR01-03-04	Improvements to road from Chandrappa Circle- Unnigere Main road to Ajanahalli via Muddanapalya (Road ID-4268) in Bengaluru (Urban) PIU - ADB Financed.	4268	2.25
125	Bidar	Bidar	Aurad	ADB-KPP-CIR06-06-01	Improvements to road from Jeega (B) to Sibembeli Via Jeega (K) (Road ID-617) in Bidar PIU - ADB Financed.	617	3.71
126	Bidar	Bidar	Aurad	ADB-KPP-CIR06-06-01	Improvements to road from SH 123 to Bedkunda (Road ID-2270) in Bidar PIU - ADB Financed.	2270	2.39
127	Bidar	Bidar	Aurad	ADB-KPP-CIR06-06-01	Improvements to road from Kamalnagar to Murg (K) (Road ID-2271) in Bidar PIU - ADB Financed.	2271	2.14
128	Bidar	Bidar	Aurad	ADB-KPP-CIR06-06-01	Improvements to road from Dongoon (M) to Hakkyal via Randiyal (Road ID-2274) in Bidar PIU - ADB Financed.	2274	3.00
129	Bidar	Bidar	Basavakalyan	ADB-KPP-CIR06-06-02	Improvements to road from Muchlamb to Gadraipalli (Road ID-564) in Bidar PIU - ADB Financed.	564	3.18
130	Bidar	Bidar	Basavakalyan	ADB-KPP-CIR06-06-02	Improvements to road from Khandala to Anandwadi (Road ID-565) in Bidar PIU - ADB Financed.	565	3.21
131	Bidar	Bidar	Basavakalyan	ADB-KPP-CIR06-06-02	Improvements to road from Belur to Khandala Cross (Road ID-567) in Bidar PIU - ADB Financed.	567	3.20
132	Bidar	Bidar	Basavakalyan	ADB-KPP-CIR06-06-02	Improvements to road from Deval to NH 752-K via Machnal (Road ID-3294) in Bidar PIU - ADB Financed.	3294	3.70
133	Bidar	Bidar	Bhalki	ADB-KPP-CIR06-06-03	Improvements to road from Dongapur village to Bhalki cross (Road ID-3157) in Bidar PIU - ADB Financed.	3157	3.30
134	Bidar	Bidar	Bhalki	ADB-KPP-CIR06-06-03	Improvements to road from Uche to Warwatti wadi (Road ID-3162) in Bidar PIU - ADB Financed.	3162	3.26
135	Bidar	Bidar	Bhalki	ADB-KPP-CIR06-06-03	Improvements to road from Srimalli to Alawai (upto MDR) (Road ID-3164) in Bidar PIU - ADB Financed.	3164	3.70
136	Bidar	Bidar	Bhalki	ADB-KPP-CIR06-06-03	Improvements to road from Hali (L) to Wagalgoon (Road ID-3751) in Bidar PIU - ADB Financed.	3751	3.20
137	Bidar	Bidar	Bidar	ADB-KPP-CIR06-06-04	Improvements to road from Gadgi to Nandgoan (Road ID-627) in Bidar PIU - ADB Financed.	627	3.65
138	Bidar	Bidar	Bidar	ADB-KPP-CIR06-06-04	Improvements to road from Benaknalli (SH-122) to Markhal (NH-161 A) (Road ID-1013) in Bidar PIU - ADB Financed.	1013	3.00
139	Bidar	Bidar	Bidar	ADB-KPP-CIR06-06-04	Improvements to road from Duddapur to Janwada (Road ID-1014) in Bidar PIU - ADB Financed.	1014	2.73
140	Bidar	Bidar	Bidar	ADB-KPP-CIR06-06-04	Improvements to road from Aliamber to Taluk border (Kosam) via vilasur (Road ID-1017) in Bidar PIU - ADB Financed.	1017	6.45
141	Bidar	Bidar	Bidar South	ADB-KPP-CIR06-06-05	Improvements to road from CHANGLERA TO UDAMNALLI VIA KARPAKALLI AND POLAKPALLI (Road ID-1866) in Bidar PIU - ADB Financed.	1866	5.72
142	Bidar	Bidar	Bidar South	ADB-KPP-CIR06-06-05	Improvements to road from NIRNA TO BASHIRAPUR (Road ID-3291) in Bidar PIU - ADB Financed.	3291	5.58
143	Bidar	Bidar	Humnabad	ADB-KPP-CIR06-06-06	Improvements to road from FATHIMAPUR TO WALKHINDI -TGA JUNCTION (BALANCE LENGTH) (Road ID-1294) in Bidar PIU - ADB Financed.	1294	4.87
144	Bidar	Bidar	Humnabad	ADB-KPP-CIR06-06-06	Improvements to road from Pandergera to MDR (Road ID-3444) in Bidar PIU - ADB Financed.	3444	4.17
145	Bidar	Bidar	Humnabad	ADB-KPP-CIR06-06-06	Improvements to road from MDR to Rajola Tands (Road ID-4499) in Bidar PIU - ADB Financed.	4499	2.78
146	Mysuru	Chamarajanagara	Chamarajanagar	ADB-KPP-CIR07-08-01	Improvements Road From Handrakalli Mole to Madapura via Handrakalli (Road ID-344) in Mysuru PIU - ADB Financed.	344	3.40
147	Mysuru	Chamarajanagara	Chamarajanagar	ADB-KPP-CIR07-08-01	Improvements Road From Kenpanapura to Mangala via Mangala Hosur (Road ID-677) in Mysuru PIU - ADB Financed.	677	2.90
148	Mysuru	Chamarajanagara	Chamarajanagar	ADB-KPP-CIR07-08-01	Improvements Road From K.Basavanapura to Masagapura via Kadahalli (Road ID-707) in Mysuru PIU - ADB Financed.	707	5.60
149	Mysuru	Chamarajanagara	Chamarajanagar	ADB-KPP-CIR07-08-01	Improvements Road From Kotamballi to Alur Main Road via Kariyanakatte (Road ID-713) in Mysuru PIU - ADB Financed.	713	2.77
150	Mysuru	Chamarajanagara	Gundlupet	ADB-KPP-CIR07-08-02	Improvements to road from NH near Halladamadahalli to Kabbahalli joining road via Haklapura (Road ID-1356) in Mysuru PIU - ADB Financed.	1356	8.40
151	Mysuru	Chamarajanagara	Gundlupet	ADB-KPP-CIR07-08-02	Improvements to road from Puthanapura to Annur Keri via Bendaravadi (Road ID-1376) in Mysuru PIU - ADB Financed.	1376	6.60
152	Mysuru	Chamarajanagara	Kollegal	ADB-KPP-CIR07-08-03	Improvements Road From Rechamballi to Boodamballi Mole via Boodamballi & H.Mukkahally (Road ID-2459) in Mysuru PIU - ADB Financed.	2459	5.25
153	Mysuru	Chamarajanagara	Kollegal	ADB-KPP-CIR07-08-03	Improvements Road From Chatipura to Yelandur Taluk Border at Dasanahundi via Chatipura,Kallipura,Gangavadi,Yelandur Border (Road ID-2462) in Mysuru PIU - ADB Financed.	2462	4.70
154	Mysuru	Chamarajanagara	Kollegal	ADB-KPP-CIR07-08-03	Improvements Road From Changachalli to Boodambally (Road ID-4062) in Mysuru PIU - ADB Financed.	4062	2.42
155	Mysuru	Chamarajanagara	Kollegal	ADB-KPP-CIR07-08-03	Improvements to road from Taluk Border to Ganaganur via Sottanahundi, Ganganur (Road ID-4876) in Mysuru PIU - ADB Financed.	4876	2.52
156	Chikkaballapura	Chikkaballapura	Bagepalli	ADB-KPP-CIR01-29-01	Improvements to road from Manjunathapura to Taluk Border (Peddapalli Thanda) via Kottampalli- Buddalavaripalli- Chakavelu- Maddireddipalli, Peddapalli Thanda (Road ID-491) in Chikkaballapura PIU - ADB Financed.	491	8.22
157	Chikkaballapura	Chikkaballapura	Bagepalli	ADB-KPP-CIR01-29-01	Improvements to road from Nh near Paragodu to BB road via Srinivasapura, Karakur (Road ID-4081) in Chikkaballapura PIU - ADB Financed.	4081	5.30
158	Chikkaballapura	Chikkaballapura	Chikkaballapur	ADB-KPP-CIR01-29-03	Improvements to road from Darbur To Siddaganahalli Via Udagirinallappanahalli Rampatna Vantoor, Nelagunpatna (Road ID-470) in Chikkaballapura PIU - ADB Financed.	470	3.88
159	Chikkaballapura	Chikkaballapura	Chikkaballapur	ADB-KPP-CIR01-29-03	Improvements to road from Kondenahalli to Hosahudya via Kadaseganahalli (Road ID-476) in Chikkaballapura PIU - ADB Financed.	476	5.30
160	Chikkaballapura	Chikkaballapura	Chikkaballapur	ADB-KPP-CIR01-29-03	Improvements to road from Reddihally to Gangarekaluve MDR via Thalagenahalli (Road ID-5219) in Chikkaballapura PIU - ADB Financed.	5219	4.51

161	Chikkaballapura	Chikkaballapura	Chintamani	ADB-KPP-CIR01-29-05	Improvements to road from Kanampalli to Doddakondnahalli, via Kavaligamahalli, Narayanahalli, Vaddahalli, Chikkondrahalli, , (Road ID-3117) in Chikkaballapura PIU - ADB Financed.	3117	7.01
162	Chikkaballapura	Chikkaballapura	Chintamani	ADB-KPP-CIR01-29-05	Improvements to road from BB road to Narasapura via Palepalli, Shettihalli, Anakal (Road ID-3868) in Chikkaballapura PIU - ADB Financed.	3868	7.49
163	Chikkaballapura	Chikkaballapura	Chintamani	ADB-KPP-CIR01-29-05	Improvements to road from NH-69 to CC road via Oolavadi (Road ID-3870) in Chikkaballapura PIU - ADB Financed.	3870	4.59
164	Chikkaballapura	Chikkaballapura	Chintamani	ADB-KPP-CIR01-29-05	Improvements to road from SH near Jodi-Brahmanadine to Alambagiri via Kothur (Road ID-3878) in Chikkaballapura PIU - ADB Financed.	3878	3.46
165	Chikkaballapura	Chikkaballapura	Gauribidanur	ADB-KPP-CIR01-29-07	Improvements to road from Taluk Border to SH via Chikkamallekere via Doddamallekere, Yerragunte (Road ID-398) in Chikkaballapura PIU - ADB Financed.	398	4.53
166	Chikkaballapura	Chikkaballapura	Gauribidanur	ADB-KPP-CIR01-29-07	Improvements to road from NH-234 TO H. Nagasandra via Udamalodu (Road ID-410) in Chikkaballapura PIU - ADB Financed.	410	6.58
167	Chikkaballapura	Chikkaballapura	Sidlaghatta	ADB-KPP-CIR01-29-09	Improvements to road from Basavapathna to Ragimakalahalli via Bhaktharahalli (Road ID-113) in Chikkaballapura PIU - ADB Financed.	113	6.31
168	Chikkaballapura	Chikkaballapura	Sidlaghatta	ADB-KPP-CIR01-29-09	Improvements to road from SH to Someshwara via Iragappahalli, godimichenahalli, S.Devaganahalli (Road ID-3182) in Chikkaballapura PIU - ADB Financed.	3182	7.63
169	Chikkamagaluru	Chikkamagaluru	Chikkamagalur	ADB-KPP-CIR08-09-01	Improvements to road from Thippagondanahalli To Chikkadevanooru Via S. Bommenehalli and Doddibeerenahalli (Road ID-2456) in Chikkamagaluru PIU - ADB Financed.	2456	4.45
170	Chikkamagaluru	Chikkamagaluru	Chikkamagalur	ADB-KPP-CIR08-09-01	Improvements to road from Nagenahalli to Gangabasavannahalli via Pillenahalli (Road ID-5258) in Chikkamagaluru PIU - ADB Financed.	5258	4.50
171	Chikkamagaluru	Chikkamagaluru	Chikkamagalur	ADB-KPP-CIR08-09-01	Improvements to road from Swamykatte road to Hosalli Via Chandrashekarapura and Ketumaranahalli (Road ID-5270) in Chikkamagaluru PIU - ADB Financed.	5270	4.80
172	Chikkamagaluru	Chikkamagaluru	Kadur	ADB-KPP-CIR08-09-03	Improvements to road from Madalu To Keresante road(MDR) Via Huligundi and H Hosur (Road ID-3562) in Chikkamagaluru PIU - ADB Financed.	3562	3.14
173	Chikkamagaluru	Chikkamagaluru	Kadur	ADB-KPP-CIR08-09-03	Improvements to road from Bantiganahalli to Chikkabasur Road via Siddarahalli (Road ID-3703) in Chikkamagaluru PIU - ADB Financed.	3703	4.44
174	Chikkamagaluru	Chikkamagaluru	Kadur	ADB-KPP-CIR08-09-03	Improvements to road from Jignehalli To Gollarahalli via PancheHosahalli (Road ID-3853) in Chikkamagaluru PIU - ADB Financed.	3853	6.69
175	Chikkamagaluru	Chikkamagaluru	Mudigere	ADB-KPP-CIR08-09-05	Improvements to road from Mugulavalli to Biggadevanahalli via Hejigenahalli (Road ID-3471) in Chikkamagaluru PIU - ADB Financed.	3471	2.11
176	Chikkamagaluru	Chikkamagaluru	Mudigere	ADB-KPP-CIR08-09-05	Improvements to road from NH373 to Marle-Kalsapura road via Giddenahalli (Road ID-5351) in Chikkamagaluru PIU - ADB Financed.	5351	4.91
177	Chikkamagaluru	Chikkamagaluru	Tarikere	ADB-KPP-CIR08-09-06	Improvements to road from Garagadahalli Basavapura main road To Bandre via Beeranahalli (Road ID-2568) in Chikkamagaluru PIU - ADB Financed.	2568	6.10
178	Chikkamagaluru	Chikkamagaluru	Tarikere	ADB-KPP-CIR08-09-06	Improvements to road from Nandipura to Settyhalli via garagadahalli Boothnahalli (Road ID-3691) in Chikkamagaluru PIU - ADB Financed.	3691	7.25
179	Chitradurga	Chitradurga	Challakere	ADB-KPP-CIR04-10-01	Improvements to road from K.K.road (Allapura gate) to Junjuragunte via Thimmanahally (Road ID-204) in Chitradurga PIU - ADB Financed.	204	2.17
180	Chitradurga	Chitradurga	Challakere	ADB-KPP-CIR04-10-01	Improvements to road from Nannivala to Taluk Border (Hosakatappannahatty) Via Nakkalarahatty (Road ID-608) in Chitradurga PIU - ADB Financed.	608	4.10
181	Chitradurga	Chitradurga	Challakere	ADB-KPP-CIR04-10-01	Improvements to road from Nannivala to Veeradimmanahalli via Gowdarahatti, Doregalahatty, Varavinarahatti, Bangaradevarahatty, Todlarahatty (Road ID-5325) in Chitradurga PIU - ADB Financed.	5325	8.65
182	Chitradurga	Chitradurga	Chitradurga	ADB-KPP-CIR04-10-03	Improvements to road from NH-4 to Hireguntanur - Hosur Road via Laxmisagara, Kodagavalli, Chikkaguntanur (Road ID-1401) in Chitradurga PIU - ADB Financed.	1401	6.76
183	Chitradurga	Chitradurga	Chitradurga	ADB-KPP-CIR04-10-03	Improvements to road from Jodichikkenahally to Jodichikkenahalli G.hatty upto Taluk border (Balannahalli) (Road ID-1786) in Chitradurga PIU - ADB Financed.	1786	4.14
184	Chitradurga	Chitradurga	Chitradurga	ADB-KPP-CIR04-10-03	Improvements to road from Bheemasamudra to Thirumalapura (Taluk Border) via Mavinahalli Basaveshwara Temple (Road ID-2684) in Chitradurga PIU - ADB Financed.	2684	4.53
185	Chitradurga	Chitradurga	Hiriyur	ADB-KPP-CIR04-10-05	Improvements to road from Mallappannahalli to Hulitothu Via Guilalu (Road ID-1172) in Chitradurga PIU - ADB Financed.	1172	6.93
186	Chitradurga	Chitradurga	Hiriyur	ADB-KPP-CIR04-10-05	Improvements to road from Yaradakatte to Metturke Bovi Colony (Road ID-2671) in Chitradurga PIU - ADB Financed.	2671	1.39
187	Chitradurga	Chitradurga	Hiriyur	ADB-KPP-CIR04-10-05	Improvements to road from Dharmapura-Khanajannahally Road to Hosakere Palya via Bettagondanahally (Road ID-4110) in Chitradurga PIU - ADB Financed.	4110	3.55
188	Chitradurga	Chitradurga	Holalkere	ADB-KPP-CIR04-10-07	Improvements to road from Kumarannahally to Kercyagalahalli (Road ID-1607) in Chitradurga PIU - ADB Financed.	1607	2.73
189	Chitradurga	Chitradurga	Holalkere	ADB-KPP-CIR04-10-07	Improvements to road from Malasingannahally to T Yemmeganuru via Amte (Road ID-1610) in Chitradurga PIU - ADB Financed.	1610	5.31
190	Chitradurga	Chitradurga	Hosadurga	ADB-KPP-CIR04-10-09	Improvements to road from Kantapura-Kodihally Road to Hulukatte via Kamsagara, Mudlabovihatty, Devarahatty, Yellabovihatty Veeravanagathalli, (Road ID-1862) in Chitradurga PIU - ADB Financed.	1862	1.16
191	Chitradurga	Chitradurga	Hosadurga	ADB-KPP-CIR04-10-09	Improvements to road from Archalli to Sanna Thippenahalli via M Gollarahatti Mathodu & Thippenahalli (Road ID-2162) in Chitradurga PIU - ADB Financed.	2162	5.02
192	Chitradurga	Chitradurga	Hosadurga	ADB-KPP-CIR04-10-09	Improvements to road from Srirampura to Kadavanagere vajra via Sadarahalli, Arenahalli Chikkaullenahalli (Road ID-2163) in Chitradurga PIU - ADB Financed.	2163	4.56
193	Chitradurga	Chitradurga	Hosadurga	ADB-KPP-CIR04-10-09	Improvements to road from Srirampura- Neralakere Road to Kalanayakanahatty via garimbeclu (Road ID-3040) in Chitradurga PIU - ADB Financed.	3040	2.13
194	Chitradurga	Chitradurga	Molakalmuru	ADB-KPP-CIR04-10-11	Improvements to road from Nayakanahatty-Challakere road to Chikkammanahalli via Bhatayanahatty, kere mundalahatti, varavoo (Road ID-1256) in Chitradurga PIU - ADB Financed.	1256	8.89
195	Chitradurga	Chitradurga	Molakalmuru	ADB-KPP-CIR04-10-11	Improvements to road from Nayakanahatti-jagalur road to jogihatty village via Beemagondanahally Hosajoghatty (Road ID-1266) in Chitradurga PIU - ADB Financed.	1266	3.57
196	Chitradurga	Chitradurga	Molakalmuru	ADB-KPP-CIR04-10-11	Improvements to road from Thahuku to Maraihanahatty via Hosahalli (Road ID-1276) in Chitradurga PIU - ADB Financed.	1276	4.41
197	Manglore	Dakshina Kannada	Mangalore City North	ADB-KPP-CIR08-11-02	Improvements to road from Bhatrakodi Pelmalec Paldane saripalla Road (Road ID-1211) in Dakshina Kannada PIU - ADB Financed.	1211	1.27
198	Manglore	Dakshina Kannada	Moodabidri	ADB-KPP-CIR08-11-03	Improvements to road from Haleyangadi Kadike Bandaramane to Hoigegudde Padupanamburu (Road ID-1392) in Dakshina Kannada PIU - ADB Financed.	1392	3.50
199	Davanagere	Davanagere	Channagiri	ADB-KPP-CIR04-12-01	Improvements to road from SH near Bilahalli cross to Bussenahalli via Bilahalli (Road ID-606) in Davanagere PIU - ADB Financed.	606	5.54
200	Davanagere	Davanagere	Channagiri	ADB-KPP-CIR04-12-01	Improvements to road from MDR Near Mantraghatta To Itige (Road ID-4736) in Davanagere PIU - ADB Financed.	4736	3.15
201	Davanagere	Davanagere	Channagiri	ADB-KPP-CIR04-12-01	Improvements to road from Santhebennur to Medikere via Medikere AK colony (Road ID-4844) in Davanagere PIU - ADB Financed.	4844	3.16
202	Davanagere	Davanagere	Channagiri	ADB-KPP-CIR04-12-01	Improvements to road from Bussenahalli to Hosabhanahatti (Road ID-5298) in Davanagere PIU - ADB Financed.	5298	3.00
203	Davanagere	Davanagere	Davanagere North	ADB-KPP-CIR04-12-03	Improvements to road from Putgal to Malagondanahalli (Road ID-2826) in Davanagere PIU - ADB Financed.	2826	3.26
204	Davanagere	Davanagere	Davanagere North	ADB-KPP-CIR04-12-03	Improvements to road from Bethur to Kadajji (Road ID-2827) in Davanagere PIU - ADB Financed.	2827	3.32
205	Davanagere	Davanagere	Davanagere North	ADB-KPP-CIR04-12-03	Improvements to road from Doddabobbajihalli to Taluk border (Jambulinganahalli) via Badinayakanahattihanda (Road ID-2829) in Davanagere PIU - ADB Financed.	2829	2.36

206	Davanagere	Davanagere	Davanagere North	ADB-KPP-CIR04-12-03	Improvements to road from Chikkabudihal to Amruthanagara via B. Kalpanahalli (Road ID-2830) in Davanagere PIU - ADB Financed.	2830	1.89
207	Davanagere	Davanagere	Davanagere South	ADB-KPP-CIR04-12-05	Improvements to road from SH near Kukkawada to MDR near Yaranavagathi halli camp via Giriyaपुरa, Kalkere, kalkere camp (Road ID-2809) in Davanagere PIU - ADB Financed.	2809	4.31
208	Davanagere	Davanagere	Davanagere South	ADB-KPP-CIR04-12-05	Improvements to road from Thurchgatta To K.Bullapura via ,HosaBullapura (Road ID-2810) in Davanagere PIU - ADB Financed.	2810	3.41
209	Davanagere	Davanagere	Davanagere South	ADB-KPP-CIR04-12-05	Improvements to road from SH near Hadadi to Durgambikacamp via HosaBisleri,HaleBisleri (Road ID-2823) in Davanagere PIU - ADB Financed.	2823	4.55
210	Davanagere	Davanagere	Harapanahalli	ADB-KPP-CIR04-12-07	Improvements to road from Kanavi thanda to Kunchuru (Road ID-536) in Davanagere PIU - ADB Financed.	536	3.08
211	Davanagere	Davanagere	Harapanahalli	ADB-KPP-CIR04-12-07	Improvements to road from Adavihalli to Hosa obalapura via Thippanayakanahalli (Road ID-758) in Davanagere PIU - ADB Financed.	758	5.42
212	Davanagere	Davanagere	Harapanahalli	ADB-KPP-CIR04-12-07	Improvements to road from Nandibevoor to Nandibevoor thanda (Road ID-2756) in Davanagere PIU - ADB Financed.	2756	3.03
213	Davanagere	Davanagere	Harihar	ADB-KPP-CIR04-12-09	Improvements to road from MDR near Bhanuvalli to MDR near Ramathirtha (Road ID-751) in Davanagere PIU - ADB Financed.	751	7.05
214	Davanagere	Davanagere	Harihar	ADB-KPP-CIR04-12-09	Improvements to road from MDR near Devanabeklere to MDR near Salakatte via Kadlegondi,Salakatte camp (Road ID-759) in Davanagere PIU - ADB Financed.	759	6.10
215	Davanagere	Davanagere	Honnali	ADB-KPP-CIR04-12-11	Improvements to road from Nelahonne Thanda MDR to Nelahonne Andra camp Via Nelahonne (Road ID-800) in Davanagere PIU - ADB Financed.	800	3.30
216	Davanagere	Davanagere	Honnali	ADB-KPP-CIR04-12-11	Improvements to road from Kotemallur MDR to Chikkagonigere MDR Via Vijayapura (Road ID-4773) in Davanagere PIU - ADB Financed.	4773	2.65
217	Davanagere	Davanagere	Honnali	ADB-KPP-CIR04-12-11	Improvements to road from Nyamathi MDR to Danahalli Korachacolony MDR, via Danahalli (Road ID-4778) in Davanagere PIU - ADB Financed.	4778	4.18
218	Davanagere	Davanagere	Honnali	ADB-KPP-CIR04-12-11	Improvements to road from Hanumanahalli to Taluk border(Kanchugharanahalli MDR) via Hosa Hanumanahalli (Road ID-4862) in Davanagere PIU - ADB Financed.	4862	4.04
219	Davanagere	Davanagere	Jagalur	ADB-KPP-CIR04-12-13	Improvements to road from Jangama turnigere To Matigattihalli - Ramaghatta Dodda Thanda road (Road ID-570) in Davanagere PIU - ADB Financed.	570	2.80
220	Davanagere	Davanagere	Jagalur	ADB-KPP-CIR04-12-13	Improvements to road from Asagodu to Budihal via Gadigudal (Road ID-780) in Davanagere PIU - ADB Financed.	780	7.55
221	Davanagere	Davanagere	Jagalur	ADB-KPP-CIR04-12-13	Improvements to road from Tuppadahalli to Katenahalli via Kolamaghatta, Marikunte (Road ID-781) in Davanagere PIU - ADB Financed.	781	5.04
222	Davanagere	Davanagere	Mayakonda	ADB-KPP-CIR04-12-15	Improvements to road from NH 48 Near Mallashettihalli To Vaderahalli via Karilakkenahalli,Bullapura,Echghatta (Road ID-4914) in Davanagere PIU - ADB Financed.	4914	8.35
223	Davanagere	Davanagere	Mayakonda	ADB-KPP-CIR04-12-15	Improvements to road from Davanagere-Jagalur Road to Kittur-Kurdi MDR via Hemmanabethur (Road ID-5067) in Davanagere PIU - ADB Financed.	5067	2.95
224	Davanagere	Davanagere	Mayakonda	ADB-KPP-CIR04-12-15	Improvements to road from Kodaganur to Echghatta-Vaderahalli Junction (Road ID-5305) in Davanagere PIU - ADB Financed.	5305	2.70
225	Dharwad	Dharwad	Dharwad	ADB-KPP-CIR05-13-01	Improvements to road from Gongadikoppa to Dharwad-Hebsur road (Near Ayyaswamy temple) (Road ID-205) in Dharwad PIU - ADB Financed.	205	8.38
226	Dharwad	Dharwad	Dharwad	ADB-KPP-CIR05-13-01	Improvements to road from Kotur to T M Tadkod via Agasinahalli and Dubbanamaradi (Road ID-979) in Dharwad PIU - ADB Financed.	979	7.30
227	Dharwad	Dharwad	Hubli-Dharwad-Central	ADB-KPP-CIR05-13-03	Improvements to road from Improvements from unkal to Gamanagatti - Tarihal Road (Road ID-4791) in Dharwad PIU - ADB Financed.	4791	3.05
228	Dharwad	Dharwad	Hubli-Dharwad-Central	ADB-KPP-CIR05-13-03	Improvements to road from Improvements from Bengeri near MDR to Kusugal (Road ID-4795) in Dharwad PIU - ADB Financed.	4795	6.07
229	Dharwad	Dharwad	Hubli-Dharwad-West	ADB-KPP-CIR05-13-05	Improvements Road From Navalur to Somapur Upto Taluk Border via Aminbhavi - Amargol Road (Road ID-4833) in Dharwad PIU - ADB Financed.	4833	6.16
230	Dharwad	Dharwad	Hubli-Dharwad-West	ADB-KPP-CIR05-13-05	Improvements Road From Sutagati to Ittigatti Upto Taluk Border (Road ID-4837) in Dharwad PIU - ADB Financed.	4837	2.65
231	Dharwad	Dharwad	Kalaghatgi	ADB-KPP-CIR05-13-07	Improvements to road from Malakanakoppa (SH) to Shivanapur via Jinnur (Road ID-346) in Dharwad PIU - ADB Financed.	346	6.73
232	Dharwad	Dharwad	Kalaghatgi	ADB-KPP-CIR05-13-07	Improvements to road from Dhulikoppa to Old Dwd-Klg Road via Bisarahalli (Road ID-349) in Dharwad PIU - ADB Financed.	349	5.55
233	Dharwad	Dharwad	Kalaghatgi	ADB-KPP-CIR05-13-07	Improvements to road from Mukkal to Aralithonda (Road ID-3097) in Dharwad PIU - ADB Financed.	3097	2.82
234	Dharwad	Dharwad	Kundgol	ADB-KPP-CIR05-13-09	Improvements to road from Kundagol to Betadur (Road ID-30) in Dharwad PIU - ADB Financed.	30	7.24
235	Dharwad	Dharwad	Kundgol	ADB-KPP-CIR05-13-09	Improvements to road from Kamadolli to Dyavanur (Road ID-1358) in Dharwad PIU - ADB Financed.	1358	2.69
236	Dharwad	Dharwad	Kundgol	ADB-KPP-CIR05-13-09	Improvements to road from Chabbi to join Sherwad-Betadur MDR (Road ID-1366) in Dharwad PIU - ADB Financed.	1366	2.31
237	Dharwad	Dharwad	Navalgund	ADB-KPP-CIR05-13-11	Improvements to road from Morab to Amminbhavi(Road ID-46) in Dharwad PIU - ADB Financed.	46	4.27
238	Dharwad	Dharwad	Navalgund	ADB-KPP-CIR05-13-11	Improvements to road from Alagwadi to Sidlapur (Road ID-127) in Dharwad PIU - ADB Financed.	127	4.81
239	Dharwad	Dharwad	Navalgund	ADB-KPP-CIR05-13-11	Improvements to road from Tirapur to Hebballi up to tq border) (Road ID-3176) in Dharwad PIU - ADB Financed.	3176	7.21
240	Gadag	Gadag	Gadag	ADB-KPP-CIR05-14-01	Improvements to road from Hosur to SH-45 (Road ID-1142) in Gadag PIU - ADB Financed.	1142	4.45
241	Gadag	Gadag	Gadag	ADB-KPP-CIR05-14-01	Improvements to road from Kanavi to Mulagund (Road ID-1144) in Gadag PIU - ADB Financed.	1144	4.40
242	Gadag	Gadag	Gadag	ADB-KPP-CIR05-14-01	Improvements to road from Harthi to Hosur via Kanvi (Road ID-1156) in Gadag PIU - ADB Financed.	1156	4.34
243	Gadag	Gadag	Gadag	ADB-KPP-CIR05-14-02	Improvements to road from Nagavi to Kalasapura via Adavisomapura (Road ID-3575) in Gadag PIU - ADB Financed.	3575	8.69
244	Gadag	Gadag	Nargund	ADB-KPP-CIR05-14-04	Improvements to road from Huilgol to Hombal (Road ID-1470) in Gadag PIU - ADB Financed.	1470	10.53
245	Gadag	Gadag	Nargund	ADB-KPP-CIR05-14-05	Improvements to road from SH to Narayanapur via Benakoppa,Neeragi (Road ID-1474) in Gadag PIU - ADB Financed.	1474	7.13
246	Gadag	Gadag	Ron	ADB-KPP-CIR05-14-06	Improvements to road from Kalakaleshwar to Rajur (Road ID-41) in Gadag PIU - ADB Financed.	41	4.00
247	Gadag	Gadag	Ron	ADB-KPP-CIR05-14-06	Improvements to road from Mundaragi to Eklasapur (Road ID-55) in Gadag PIU - ADB Financed.	55	10.89
248	Gadag	Gadag	Shirahatti	ADB-KPP-CIR05-14-08	Improvements to road from Laxmeshwar - Hiregunjihal MDR to Basapur and approach to SH 73 (Road ID-4522) in Gadag PIU - ADB Financed.	4522	10.28
249	Hassan	Hassan	Arakalgud	ADB-KPP-CIR07-16-01	Improvements to road from Chikkabemathi to Kesavathur via Pemmanahalli (Road ID-1653) in Hassan PIU - ADB Financed.	1653	3.27
250	Hassan	Hassan	Arakalgud	ADB-KPP-CIR07-16-01	Improvements to road from Kortikere to MDR via Agrahara (Road ID-2795) in Hassan PIU - ADB Financed.	2795	3.44
251	Hassan	Hassan	Arakalgud	ADB-KPP-CIR07-16-01	Improvements to road from Hodenur to MDR via Kargal (Road ID-2837) in Hassan PIU - ADB Financed.	2837	3.21
252	Hassan	Hassan	Arsikere	ADB-KPP-CIR07-16-03	Improvements to road from SH-71 to Bramadevarahalli via Ramenahalli (Road ID-3771) in Hassan PIU - ADB Financed.	3771	2.46
253	Hassan	Hassan	Arsikere	ADB-KPP-CIR07-16-03	Improvements to road from MDR to SH via Huliappana palya, Mavinakere,Hosur, Lakkihalli Kaval (Road ID-3772) in Hassan PIU - ADB Financed.	3772	3.31
254	Hassan	Hassan	Arsikere	ADB-KPP-CIR07-16-03	Improvements to road from MDR to MDR (Murundi) via M Hosahatti, (Road ID-5246) in Hassan PIU - ADB Financed.	5246	2.27
255	Hassan	Hassan	Arsikere	ADB-KPP-CIR07-16-03	Improvements to road from MDR (Purkhalali) to Shanthagere (Road ID-5290) in Hassan PIU - ADB Financed.	5290	2.04

256	Hassan	Hassan	Arsikere	ADB-KPP-CIR07-16-03	Improvements to road from Bageshapura to MDR via Ramjihalli (Road ID-5292) in Hassan PIU - ADB Financed.	5292	2.93
257	Hassan	Hassan	Arsikere	ADB-KPP-CIR07-16-03	Improvements to road from TD Road to Channarayapatta Taluk Border via Samathagrama (Bidare Kavala) (Road ID-5295) in Hassan PIU - ADB Financed.	5295	2.66
258	Hassan	Hassan	Belur	ADB-KPP-CIR07-16-06	Improvements to road from Gonionmanahalli to MDR via Hulekalleshwarabetta, hulekalihalli (Road ID-1005) in Hassan PIU - ADB Financed.	1005	5.20
259	Hassan	Hassan	Belur	ADB-KPP-CIR07-16-06	Improvements to road from MDR to Lingalapura via Siddarahalli (Road ID-3485) in Hassan PIU - ADB Financed.	3485	1.60
260	Hassan	Hassan	Belur	ADB-KPP-CIR07-16-06	Improvements to road from MDR to Taluk Border via Halthore, Halthore Koppalu (Road ID-3844) in Hassan PIU - ADB Financed.	3844	3.05
261	Hassan	Hassan	Hassan	ADB-KPP-CIR07-16-08	Improvements to road from Rangenahalli to Nitur via Singatgere (Road ID-1132) in Hassan PIU - ADB Financed.	1132	3.00
262	Hassan	Hassan	Hassan	ADB-KPP-CIR07-16-08	Improvements to road from Doddagaduvali to Gowdagere (Road ID-2895) in Hassan PIU - ADB Financed.	2895	2.15
263	Hassan	Hassan	Hassan	ADB-KPP-CIR07-16-08	Improvements to road from Sankalapura to SH-21 (Road ID-4451) in Hassan PIU - ADB Financed.	4451	2.17
264	Hassan	Hassan	Hassan	ADB-KPP-CIR07-16-08	Improvements to road from Hassan Gorur Road to Agile (Road ID-4503) in Hassan PIU - ADB Financed.	4503	1.79
265	Hassan	Hassan	Holenarasipur	ADB-KPP-CIR07-16-10	Improvements to road from Heragu Goppanahalli Road to Jakkenahalli (Road ID-830) in Hassan PIU - ADB Financed.	830	2.93
266	Hassan	Hassan	Holenarasipur	ADB-KPP-CIR07-16-10	Improvements to road from Bidardalli (MDR) to MDR via Lingarsanahalli (Road ID-1510) in Hassan PIU - ADB Financed.	1510	2.85
267	Hassan	Hassan	Holenarasipur	ADB-KPP-CIR07-16-10	Improvements to road from Mallenahalli to Nambihalli (Road ID-3847) in Hassan PIU - ADB Financed.	3847	2.49
268	Hassan	Hassan	Holenarasipur	ADB-KPP-CIR07-16-10	Improvements to road from MDR near Maranayakanahalli to Ediganahosur via Kadavinabachalli (Road ID-4897) in Hassan PIU - ADB Financed.	4897	2.44
269	Hassan	Hassan	Sakaleshpur	ADB-KPP-CIR07-16-12	Improvements to road from MDR to MDR via Kallahalli, Malligavali (Road ID-3817) in Hassan PIU - ADB Financed.	3817	5.82
270	Hassan	Hassan	Sakaleshpur	ADB-KPP-CIR07-16-12	Improvements to road from Thippanahally to Kundur Sanenahally via Cheekanahalli, Devarajanahally (Road ID-3819) in Hassan PIU - ADB Financed.	3819	3.52
271	Hassan	Hassan	Sakaleshpur	ADB-KPP-CIR07-16-12	Improvements to road from NH -75 to Kenchanahally via Bijjanahalli (Road ID-4189) in Hassan PIU - ADB Financed.	4189	2.87
272	Hassan	Hassan	Shravanabelagola	ADB-KPP-CIR07-16-14	Improvements to road from Shravanabelagola road (SH-08) to Bekka via Bastihalli (Road ID-2373) in Hassan PIU - ADB Financed.	2373	2.30
273	Hassan	Hassan	Shravanabelagola	ADB-KPP-CIR07-16-14	Improvements to road from Heggadigere kaval to MDR via Bhuvanalli, Vaddarahatti, Siddarahatti, Mavinahalli. (Road ID-2440) in Hassan PIU - ADB Financed.	2440	2.19
274	Hassan	Hassan	Shravanabelagola	ADB-KPP-CIR07-16-14	Improvements to road from MDR to Taluk Border via Mellahalli (Road ID-3595) in Hassan PIU - ADB Financed.	3595	2.00
275	Hassan	Hassan	Shravanabelagola	ADB-KPP-CIR07-16-14	Improvements to road from Ankenahalli to Juttanahalli (Road ID-4782) in Hassan PIU - ADB Financed.	4782	1.86
276	Hassan	Hassan	Shravanabelagola	ADB-KPP-CIR07-16-14	Improvements to road from Kamanahalli to Kakkihalli via Kalamaranahalli (Road ID-4915) in Hassan PIU - ADB Financed.	4915	2.00
277	Haveri	Haveri	Byadgi	ADB-KPP-CIR05-17-01	Improvements to road from Venkatapura to Devageri via Nagamur,Varadahalli (Road ID-4038) in Haveri PIU - ADB Financed.	4038	14.45
278	Haveri	Haveri	Hangal	ADB-KPP-CIR05-17-02	Improvements to road from Ghajipur to Chikkeiri-Hosalli (Road ID-2261) in Haveri PIU - ADB Financed.	2261	4.29
279	Haveri	Haveri	Hangal	ADB-KPP-CIR05-17-02	Improvements to road from Maranabeeda to Haranagiri (Road ID-4196) in Haveri PIU - ADB Financed.	4196	3.26
280	Haveri	Haveri	Hangal	ADB-KPP-CIR05-17-02	Improvements to road from Malligur to Baschavalli (Road ID-4321) in Haveri PIU - ADB Financed.	4321	4.26
281	Haveri	Haveri	Hangal	ADB-KPP-CIR05-17-02	Improvements to road from Masanakatti to Hotanahalli-Maranabeeda Road (Road ID-4943) in Haveri PIU - ADB Financed.	4943	1.79
282	Haveri	Haveri	Haveri	ADB-KPP-CIR05-17-04	Improvements to road from Kittur to Halagi via Maradur (Road ID-1141) in Haveri PIU - ADB Financed.	1141	5.56
283	Haveri	Haveri	Haveri	ADB-KPP-CIR05-17-04	Improvements to road from Maradur to MDR(Negalur-hosaritti) via akkur (Road ID-1149) in Haveri PIU - ADB Financed.	1149	4.40
284	Haveri	Haveri	Haveri	ADB-KPP-CIR05-17-04	Improvements to road from Mesundi to Keriokoppa (Road ID-1169) in Haveri PIU - ADB Financed.	1169	6.53
285	Haveri	Haveri	Hirekerur	ADB-KPP-CIR05-17-03	Improvements to road from Purapundikoppa to Kalaguddi up to TB (Road ID-954) in Haveri PIU - ADB Financed.	954	3.15
286	Haveri	Haveri	Hirekerur	ADB-KPP-CIR05-17-03	Improvements to road from SH-76 (From Vaderanahalli) to Guddadahosalli via Yalavadahalli, Babapura, Hirebudihala (Road ID-2380) in Haveri PIU - ADB Financed.	2380	10.94
287	Haveri	Haveri	Ranebennur	ADB-KPP-CIR05-17-05	Improvements to road from Magod to NH(Chalageri) via Kamadoda, Devagondanakatti (Road ID-1334) in Haveri PIU - ADB Financed.	1334	7.27
288	Haveri	Haveri	Ranebennur	ADB-KPP-CIR05-17-05	Improvements to road from Yannahosalli to Nagenahalli via Makamur (Road ID-1338) in Haveri PIU - ADB Financed.	1338	7.20
289	Haveri	Haveri	Shiggaon	ADB-KPP-CIR05-17-06	Improvements to road from Chandapur to Jakkinakatti Murarji School (Road ID-2230) in Haveri PIU - ADB Financed.	2230	3.35
290	Haveri	Haveri	Shiggaon	ADB-KPP-CIR05-17-06	Improvements to road from Banrikoppa to Mugali (Road ID-2237) in Haveri PIU - ADB Financed.	2237	2.56
291	Haveri	Haveri	Shiggaon	ADB-KPP-CIR05-17-06	Improvements to road from NH48 to Kundur (Road ID-3662) in Haveri PIU - ADB Financed.	3662	3.25
292	Haveri	Haveri	Shiggaon	ADB-KPP-CIR05-17-06	Improvements to road from Chilhur to Chavadal road (Road ID-4545) in Haveri PIU - ADB Financed.	4545	2.88
293	Haveri	Haveri	Shiggaon	ADB-KPP-CIR05-17-06	Improvements to road from Baradur to Savanur-Tevaramelihalli SH road (Road ID-4549) in Haveri PIU - ADB Financed.	4549	1.97
294	Haveri	Haveri	Shiggaon	ADB-KPP-CIR05-17-06	Improvements to road from Mantrodi to Karadagi road (Road ID-4550) in Haveri PIU - ADB Financed.	4550	2.79
295	Kalburgi	Kalburgi	Afzalpur	ADB-KPP-CIR06-15-01	Improvements to road from Gobbur B to Bandarawad (Road ID-1532) in Kalburgi PIU - ADB Financed.	1532	10.86
296	Kalburgi	Kalburgi	Afzalpur	ADB-KPP-CIR06-15-01	Improvements to road from Teloni to Jewargi K road (Road ID-1535) in Kalburgi PIU - ADB Financed.	1535	3.15
297	Kalburgi	Kalburgi	Aland	ADB-KPP-CIR06-15-02	Improvements to road from Sangolgi B to Yelenawadagi via Gunjablad „Bolani (Road ID-2318) in Kalburgi PIU - ADB Financed.	2318	10.12
298	Kalburgi	Kalburgi	Aland	ADB-KPP-CIR06-15-02	Improvements to road from Dargasirur to Lingadalli cross via kerrur (Road ID-2338) in Kalburgi PIU - ADB Financed.	2338	4.10
299	Kalburgi	Kalburgi	Chincholi	ADB-KPP-CIR06-15-03	Improvements to road from Kanakapur (SH75) to Huvinbhavi Via Kanakapur „Rustampur (Road ID-1494) in Kalburgi PIU - ADB Financed.	1494	7.94
300	Kalburgi	Kalburgi	Chincholi	ADB-KPP-CIR06-15-03	Improvements to road from Tumkunta To Janglepcer Tanda cross via Salebeemalli (Road ID-1505) in Kalburgi PIU - ADB Financed.	1505	4.70
301	Kalburgi	Kalburgi	Chittapur	ADB-KPP-CIR06-15-04	Improvements to road from Honagunta to Taluka Border Via Kadehalli (Road ID-2631) in Kalburgi PIU - ADB Financed.	2631	5.33
302	Kalburgi	Kalburgi	Chittapur	ADB-KPP-CIR06-15-04	Improvements to road from Malgatti Cross to Yargal (Road ID-4348) in Kalburgi PIU - ADB Financed.	4348	6.63
303	Kalburgi	Kalburgi	Chittapur	ADB-KPP-CIR06-15-04	Improvements to road from Ladlapur to Chachunaik thanda (Road ID-4435) in Kalburgi PIU - ADB Financed.	4435	2.98
304	Kalburgi	Kalburgi	Gulbarga Dakshin	ADB-KPP-CIR06-15-05	Improvements to road from Udnoor- Seetanoor cross to minajagi (Road ID-2409) in Kalburgi PIU - ADB Financed.	2409	5.45
305	Kalburgi	Kalburgi	Gulbarga Dakshin	ADB-KPP-CIR06-15-05	Improvements to road from Bhimalli to Keri Bhoaga (Road ID-3896) in Kalburgi PIU - ADB Financed.	3896	5.26
306	Kalburgi	Kalburgi	Gulbarga Dakshin	ADB-KPP-CIR06-15-05	Improvements to road from Syed chincholi to janga B (Road ID-4592) in Kalburgi PIU - ADB Financed.	4592	4.63
307	Kalburgi	Kalburgi	Gulbarga Rural	ADB-KPP-CIR06-15-06	Improvements to road from MDR to Hodal via Jawalga (B) (Road ID-3321) in Kalburgi PIU - ADB Financed.	3321	5.63
308	Kalburgi	Kalburgi	Gulbarga Rural	ADB-KPP-CIR06-15-06	Improvements to road from kalhangaraga cross to Mallapanwadi via Kottaraga (Road ID-3349) in Kalburgi PIU - ADB Financed.	3349	4.73
309	Kalburgi	Kalburgi	Gulbarga Uttar	ADB-KPP-CIR06-15-07	Improvements to road from NH-50 to MDR (Malgatti Cross) (Road ID-4948) in Kalburgi PIU - ADB Financed.	4948	4.40

310	Kalburgi	Kalburgi	Gulbarga Uttar	ADB-KPP-CIR06-15-07	Improvements to road from NH-50 Ring Road to Sindagi via Zafarabad (Road ID-4955) in Kalburgi PIU - ADB Financed.	4955	3.18
311	Kalburgi	Kalburgi	Gulbarga Uttar	ADB-KPP-CIR06-15-07	Improvements to road from NH-50 To Belur J (Road ID-4980) in Kalburgi PIU - ADB Financed.	4980	2.44
312	Kalburgi	Kalburgi	Gulbarga Uttar	ADB-KPP-CIR06-15-07	Improvements to road from pangson to pangson tinda (Road ID-5172) in Kalburgi PIU - ADB Financed.	5172	2.40
313	Kalburgi	Kalburgi	Gulbarga Uttar	ADB-KPP-CIR06-15-07	Improvements to road from SH-51 to Ganjalkhed (Road ID-5174) in Kalburgi PIU - ADB Financed.	5174	3.26
314	Kalburgi	Kalburgi	Jevargi	ADB-KPP-CIR06-15-08	Improvements to road from Gogihal cross (SH-156) to Gogihal (Road ID-317) in Kalburgi PIU - ADB Financed.	317	3.94
315	Kalburgi	Kalburgi	Jevargi	ADB-KPP-CIR06-15-08	Improvements to road from Approach road (MDR) to Handanur (Road ID-1547) in Kalburgi PIU - ADB Financed.	1547	2.49
316	Kalburgi	Kalburgi	Jevargi	ADB-KPP-CIR06-15-08	Improvements to road from Jawalaga to Gebbarawadagi (Road ID-2416) in Kalburgi PIU - ADB Financed.	2416	5.04
317	Kalburgi	Kalburgi	Jevargi	ADB-KPP-CIR06-15-08	Improvements to road from Sonna-Jawalaga Road (MDR) to Kasarbosaga (Road ID-2417) in Kalburgi PIU - ADB Financed.	2417	2.45
318	Kalburgi	Kalburgi	Sedam	ADB-KPP-CIR06-15-09	Improvements to road from Venkatapur tinda to Jettur via, Venkatapur(N) (Road ID-686) in Kalburgi PIU - ADB Financed.	686	6.24
319	Kalburgi	Kalburgi	Sedam	ADB-KPP-CIR06-15-09	Improvements to road from Venkatapur (N) to Karachkhed (Upto SH122) (Road ID-3693) in Kalburgi PIU - ADB Financed.	3693	3.80
320	Kalburgi	Kalburgi	Sedam	ADB-KPP-CIR06-15-09	Improvements to road from SH10 to Hanganalli-Udagi Road via Rajiv Nagar (Road ID-4175) in Kalburgi PIU - ADB Financed.	4175	2.78
321	Manglore	Kodagu	Madikeri	ADB-KPP-CIR08-18-01	Improvements to road from Marur to Hebbale Road (Road ID-5047) in Kodagu PIU - ADB Financed.	5047	2.00
322	Manglore	Kodagu	Madikeri	ADB-KPP-CIR08-18-01	Improvements to road from 6th Hosakote to Andanapura (Road ID-5058) in Kodagu PIU - ADB Financed.	5058	3.45
323	Manglore	Kodagu	Madikeri	ADB-KPP-CIR08-18-02	Improvements to road from Madravalli to Uguthi Road (Road ID-5222) in Kodagu PIU - ADB Financed.	5222	3.57
324	Manglore	Kodagu	Madikeri	ADB-KPP-CIR08-18-02	Improvements to road from Seegemurru to Kaisaravalli Road (Road ID-5328) in Kodagu PIU - ADB Financed.	5328	3.34
325	Kolara	Kolara	Bangarapet	ADB-KPP-CIR01-19-01	Improvements Road from Venugopalapura to Chalganahalli via Mavahalli, Kamandahalli (Road ID-120) in Kolara PIU - ADB Financed.	120	2.91
326	Kolara	Kolara	Bangarapet	ADB-KPP-CIR01-19-01	Improvements Road from Arimanahalli to AP Border via Thalampalli, Bisanatham Railway Station (Road ID-960) in Kolara PIU - ADB Financed.	960	3.96
327	Kolara	Kolara	Bangarapet	ADB-KPP-CIR01-19-01	Improvements Road from Dinnur- Budikote Road (MDR) to Budikote via Bommanahalli, Buddaynahalli, Marandahalli (Road ID-2211) in Kolara PIU - ADB Financed.	2211	2.98
328	Kolara	Kolara	Bangarapet	ADB-KPP-CIR01-19-01	Improvements Road from Harati Road to Kenchapura via Harati Mallandahalli (Road ID-2485) in Kolara PIU - ADB Financed.	2485	4.09
329	Kolara	Kolara	Bangarapet	ADB-KPP-CIR01-19-01	Improvements Road from Yalaburgi to Ithandahalli via: Nernahalli (Road ID-2789) in Kolara PIU - ADB Financed.	2789	2.63
330	Kolara	Kolara	Kolar	ADB-KPP-CIR01-19-03	Improvements Road from Dinnchosahalli to Belamaranahalli MDR (Chandrashekarapura) via Thoranakambadahalli, Belamaranahalli, Bhuvanahalli, Korati Mallandahalli (Road ID-1697) in Kolara PIU - ADB Financed.	1697	5.34
331	Kolara	Kolara	Kolar	ADB-KPP-CIR01-19-03	Improvements Road from H.Cross Main Road to Taluk Border via Urati Agrahara, Channasandra, Beechagondahalli (Road ID-1897) in Kolara PIU - ADB Financed.	1897	2.19
332	Kolara	Kolara	Kolar	ADB-KPP-CIR01-19-03	Improvements Road from Kolar-Srinivasapura Road to Janaghatta Road Veerapura , Beeramanahalli, Yadahalli (Road ID-3462) in Kolara PIU - ADB Financed.	3462	4.77
333	Kolara	Kolara	Kolar Gold Field	ADB-KPP-CIR01-19-05	Improvements Road from Chokkarabande to Allikallu via Kurur, (Road ID-1203) in Kolara PIU - ADB Financed.	1203	4.76
334	Kolara	Kolara	Kolar Gold Field	ADB-KPP-CIR01-19-05	Improvements Road from Ramasandra Road to A.P Borde via Peelvara, Gaddur, Bullampalli, Nandyalagadda. (Road ID-2477) in Kolara PIU - ADB Financed.	2477	3.45
335	Kolara	Kolara	Kolar Gold Field	ADB-KPP-CIR01-19-05	Improvements Road from Parandahalli to Banagere MDR Via Puttepalli, Kambampalli, Dayamanagudisalu, Kallikuppa. (Road ID-3539) in Kolara PIU - ADB Financed.	3539	5.23
336	Kolara	Kolara	Kolar Gold Field	ADB-KPP-CIR01-19-05	Improvements Road from Kyasamballi MDR to Nachandahalli Via Ramapura, Buchepalli. (Road ID-3546) in Kolara PIU - ADB Financed.	3546	2.83
337	Kolara	Kolara	Malur	ADB-KPP-CIR01-19-07	Improvements Road from Varadapura to Kuppur - Thippasandra Road via Masthi, Natuvarahalli, Balanayakanadoddi (Road ID-1218) in Kolara PIU - ADB Financed.	1218	7.01
338	Kolara	Kolara	Malur	ADB-KPP-CIR01-19-07	Improvements Road from Kolar - Malur Road to Chikkakunthur via Doddakunthur, Doddasabbenahalli, ChikkaSabbenahalli, Chikkakunthur (Road ID-1425) in Kolara PIU - ADB Financed.	1425	5.33
339	Kolara	Kolara	Mulbagal	ADB-KPP-CIR01-19-09	Improvements Road from Mothakapally MDR to Gopasandra via Belapanahalli. (Road ID-1302) in Kolara PIU - ADB Financed.	1302	3.35
340	Kolara	Kolara	Mulbagal	ADB-KPP-CIR01-19-09	Improvements Road from Nangali to Mustur via Kerasamangala, Marvemane, Jogindlu. (Road ID-1444) in Kolara PIU - ADB Financed.	1444	4.13
341	Kolara	Kolara	Mulbagal	ADB-KPP-CIR01-19-09	Improvements Road from Ambikal to Sangasandra MDR via Poojarahalli, Balasandra. (Road ID-3565) in Kolara PIU - ADB Financed.	3565	3.21
342	Kolara	Kolara	Srinivasapur	ADB-KPP-CIR01-19-11	Improvements Road from Kadriampalli to M. Kothapalli Via Vangasavaripalli (Road ID-438) in Kolara PIU - ADB Financed.	438	3.88
343	Kolara	Kolara	Srinivasapur	ADB-KPP-CIR01-19-11	Improvements Road from Ojalapalli to Guttapalli Via Adavichambakur (Road ID-912) in Kolara PIU - ADB Financed.	912	4.40
344	Koppal	Koppal	Gangavathi	ADB-KPP-CIR03-20-01	Improvements Road From Budagumpa to Amarapur (Road ID-212) in Koppal PIU PIU - ADB Financed.	212	2.45
345	Koppal	Koppal	Gangavathi	ADB-KPP-CIR03-20-01	Improvements Road From Abbigeri to Gudadhali Vai Kallatavaragera-Halahalli (Road ID-220) in Koppal PIU PIU - ADB Financed.	220	7.51
346	Koppal	Koppal	Kanakagiri	ADB-KPP-CIR03-20-02	Improvements Road From basarihal to varankheda vai bailakkampura (Road ID-550) in Koppal PIU PIU - ADB Financed.	550	6.15
347	Koppal	Koppal	Kanakagiri	ADB-KPP-CIR03-20-02	Improvements Road From kalkera to gudadur vai SH-63,Akalakumpi,umali katapura village (Road ID-798) in Koppal PIU PIU - ADB Financed.	798	10.08
348	Koppal	Koppal	Koppal	ADB-KPP-CIR03-20-03	Improvements Road From Kunakeri Thanda to Ginagera-Gondabali SH (Road ID-71) in Koppal PIU PIU - ADB Financed.	71	3.58
349	Koppal	Koppal	Koppal	ADB-KPP-CIR03-20-03	Improvements Road From Budihal to Bikanahalli vai Bisarahalli (Road ID-183) in Koppal PIU PIU - ADB Financed.	183	4.60
350	Koppal	Koppal	Koppal	ADB-KPP-CIR03-20-03	Improvements Road From Betageri to Hanukunti (Road ID-186) in Koppal PIU PIU - ADB Financed.	186	4.34
351	Koppal	Koppal	Koppal	ADB-KPP-CIR03-20-03	Improvements Road From Hanavara to Vadaganal MDR (Road ID-3235) in Koppal PIU PIU - ADB Financed.	3235	3.55
352	Koppal	Koppal	Kushnagi	ADB-KPP-CIR03-20-04	Improvements Road From HireNandihal to Chalageri (Road ID-4939) in Koppal PIU PIU - ADB Financed.	4939	5.80
353	Koppal	Koppal	Kushnagi	ADB-KPP-CIR03-20-04	Improvements Road From Donnegudata to Yalabunachi (Road ID-4941) in Koppal PIU PIU - ADB Financed.	4941	5.15
354	Koppal	Koppal	Yelburga	ADB-KPP-CIR03-20-05	Improvements Road From Bandi to Chickbannigol Vai Kadabalakatti (Road ID-517) in Koppal PIU PIU - ADB Financed.	517	6.94
355	Koppal	Koppal	Yelburga	ADB-KPP-CIR03-20-05	Improvements Road From Hiremyageri to Chlazeri (Road ID-524) in Koppal PIU PIU - ADB Financed.	524	2.94
356	Koppal	Koppal	Yelburga	ADB-KPP-CIR03-20-05	Improvements Road From Kuknoor to Mandhalageri MDR Vai Gorlekoppa (Road ID-3299) in Koppal PIU PIU - ADB Financed.	3299	3.24
357	Mandya	Mandya	Krishnarajpet	ADB-KPP-CIR07-21-01	Improvements to road from KRPet-Arasikere road to KRPet Shrvanabelagola road via Chikonahalli (Road ID-1093) in Mandya PIU - ADB Financed.	1093	2.21
358	Mandya	Mandya	Krishnarajpet	ADB-KPP-CIR07-21-01	Improvements to road from Beltur to Somanahally (Road ID-4562) in Mandya PIU - ADB Financed.	4562	2.15

359	Mandya	Mandya	Krishnarajpet	ADB-KPP-CIR07-21-01	Improvements to road from Kabbaligerepura to Taluk border (Road ID-4586) in Mandya PIU - ADB Financed.	4586	2.04
360	Mandya	Mandya	Krishnarajpet	ADB-KPP-CIR07-21-02	Improvements to road from MDR to Yaladahalli (Road ID-1099) in Mandya PIU - ADB Financed.	1099	2.12
361	Mandya	Mandya	Krishnarajpet	ADB-KPP-CIR07-21-02	Improvements to road from K R Pet - Beervally Road To Natanahally (Road ID-4563) in Mandya PIU - ADB Financed.	4563	2.10
362	Mandya	Mandya	Maddur	ADB-KPP-CIR07-21-07	Improvements to road from Malavalli-Madduru Main road(SH 33) to Thorebommanahalli MDR Via KP Doddi, Mensagere, Boppasamudra and Sumadadoddi (Road ID-2815) in Mandya PIU - ADB Financed.	2815	5.82
363	Mandya	Mandya	Maddur	ADB-KPP-CIR07-21-06	Improvements to road from Karadakere to Archakanahalli Via K shetihalli (Road ID-2911) in Mandya PIU - ADB Financed.	2911	2.65
364	Mandya	Mandya	Maddur	ADB-KPP-CIR07-21-05	Improvements to road from Subbanahally to K K Hally (Road ID-4328) in Mandya PIU - ADB Financed.	4328	5.55
365	Mandya	Mandya	Malavalli	ADB-KPP-CIR07-21-13	Improvements to road from Thammadahalli via Gulgatta (Road ID-4356) in Mandya PIU - ADB Financed.	4356	3.14
366	Mandya	Mandya	Malavalli	ADB-KPP-CIR07-21-11	Improvements to road from Malavalli-Poorigali Road to Kunduru (Road ID-4361) in Mandya PIU - ADB Financed.	4361	2.64
367	Mandya	Mandya	Malavalli	ADB-KPP-CIR07-21-11	Improvements to road from Muttanahalli to Taluk Border via Kodagahalli (Road ID-4362) in Mandya PIU - ADB Financed.	4362	3.01
368	Mandya	Mandya	Malavalli	ADB-KPP-CIR07-21-12	Improvements to road from Ramandooru to Halladakoppalu via RamanathMole & Anasale (Road ID-5030) in Mandya PIU - ADB Financed.	5030	4.29
369	Mandya	Mandya	Mandya	ADB-KPP-CIR07-21-19	Improvements to road from Mandya -Basaralu main road to Join Gudigenahalli, Ramegowdanakoppalu, Iregowdanakoppalu and Chakanahally (Road ID-3628) in Mandya PIU - ADB Financed.	3628	4.60
370	Mandya	Mandya	Mandya	ADB-KPP-CIR07-21-17	Improvements to road from Holalu-Sampahally MDR to join Mandya-Nagamangala Main road via H.Kodihally form to H Kodihally (Road ID-3636) in Mandya PIU - ADB Financed.	3636	3.49
371	Mandya	Mandya	Mandya	ADB-KPP-CIR07-21-18	Improvements to road from Koppa-Basaralu MDR to Shivapura via Chikkothagere, vaddarakoppalu, (Road ID-5070) in Mandya PIU - ADB Financed.	5070	4.96
372	Mandya	Mandya	Melukote	ADB-KPP-CIR07-21-20	Improvements to road from Kerethonnur MDR to Sankahalli via Pattanagere, Deshavalli (Road ID-4482) in Mandya PIU - ADB Financed.	4482	3.07
373	Mandya	Mandya	Melukote	ADB-KPP-CIR07-21-20	Improvements to road from Deshavally to Shankahally gate via Kenchanahally (Road ID-4484) in Mandya PIU - ADB Financed.	4484	2.34
374	Mandya	Mandya	Melukote	ADB-KPP-CIR07-21-20	Improvements to road from Sunkathonur MDR to Kurahatti (Road ID-4933) in Mandya PIU - ADB Financed.	4933	2.51
375	Mandya	Mandya	Melukote	ADB-KPP-CIR07-21-20	Improvements to road from Halesayannahalli to Hosasayannahalli (Road ID-4938) in Mandya PIU - ADB Financed.	4938	2.95
376	Mandya	Mandya	Nagamangala	ADB-KPP-CIR07-21-23	Improvements to road from Hoovinahalli to Naragonahally Via Mallananjapura (Road ID-169) in Mandya PIU - ADB Financed.	169	3.41
377	Mandya	Mandya	Nagamangala	ADB-KPP-CIR07-21-23	Improvements to road from Nagamangala-Jakkanahalli SH to muchalaghatta Via Gudeshahally,Chowdagonahalli (Road ID-929) in Mandya PIU - ADB Financed.	929	3.78
378	Mandya	Mandya	Nagamangala	ADB-KPP-CIR07-21-22	Improvements to road from Handenahally colony to S.Mallasandra Via Handenahally B.Shanubhoganahally (Road ID-940) in Mandya PIU - ADB Financed.	940	2.77
379	Mandya	Mandya	Nagamangala	ADB-KPP-CIR07-21-22	Improvements to road from Sathenahally to Hanumanahally (Road ID-3704) in Mandya PIU - ADB Financed.	3704	4.22
380	Mandya	Mandya	Shrirangapattana	ADB-KPP-CIR07-21-25	Improvements to road from Nelamane to Panadavapura Railway Station (Road ID-4350) in Mandya PIU - ADB Financed.	4350	2.62
381	Mandya	Mandya	Shrirangapattana	ADB-KPP-CIR07-21-25	Improvements to road from Yaliyuru Kodi (NH-275) to Averahally (Road ID-4369) in Mandya PIU - ADB Financed.	4369	1.45
382	Mandya	Mandya	Shrirangapattana	ADB-KPP-CIR07-21-25	Improvements to road from Nodakoppalu to Agathahalli (Road ID-5035) in Mandya PIU - ADB Financed.	5035	2.02
383	Mandya	Mandya	Shrirangapattana	ADB-KPP-CIR07-21-26	Improvements to road from Thimmanahosuru to join Mandya taluk border (Road ID-4516) in Mandya PIU - ADB Financed.	4516	2.86
384	Mandya	Mandya	Shrirangapattana	ADB-KPP-CIR07-21-26	Improvements to road from Sunaganahalli to pura (Road ID-5029) in Mandya PIU - ADB Financed.	5029	4.94
385	Mysuru	Mysuru	Chamundeswari	ADB-KPP-CIR07-22-01	Improvements to road from SH Near Hosakote to kommegowdanakoppalu via yachegowdanahalli (Road ID-1325) in Mysuru PIU - ADB Financed.	1325	4.48
386	Mysuru	Mysuru	Chamundeswari	ADB-KPP-CIR07-22-01	Improvements to road from Arasinakere to Gujigowdanapura (Road ID-1362) in Mysuru PIU - ADB Financed.	1362	5.23
387	Mysuru	Mysuru	Chamundeswari	ADB-KPP-CIR07-22-01	Improvements to road from Gehally to Martiyathanahally Road (Road ID-4242) in Mysuru PIU - ADB Financed.	4242	1.98
388	Mysuru	Mysuru	Heggadadevanakote	ADB-KPP-CIR07-22-05	Improvements Road From Mysore-Manadavadi Road to Hampapura via Hircandi,Malarada hadi,Jinnahalli (Road ID-855) in Mysuru PIU - ADB Financed.	855	4.41
389	Mysuru	Mysuru	Heggadadevanakote	ADB-KPP-CIR07-22-05	Improvements Road From Hulikura to Hebbalakuppe (Road ID-858) in Mysuru PIU - ADB Financed.	858	2.43
390	Mysuru	Mysuru	Heggadadevanakote	ADB-KPP-CIR07-22-05	Improvements Road From Kyathanahalli to Khandegowdanapura (Road ID-891) in Mysuru PIU - ADB Financed.	891	3.64
391	Mysuru	Mysuru	Heggadadevanakote	ADB-KPP-CIR07-22-05	Improvements Road From Basapura to Kolagala via SH Gujiappana Hundi (Road ID-5074) in Mysuru PIU - ADB Financed.	5074	3.06
392	Mysuru	Mysuru	Heggadadevanakote	ADB-KPP-CIR07-22-05	Improvements Road From Hunaganahalli to adahalli road (Road ID-5079) in Mysuru PIU - ADB Financed.	5079	1.93
393	Mysuru	Mysuru	Hunsur	ADB-KPP-CIR07-22-06	Improvements Road From MDR Halladakoppalu-Tharikattu to Kendaganapura Road (Road ID-924) in Mysuru PIU - ADB Financed.	924	4.41
394	Mysuru	Mysuru	Hunsur	ADB-KPP-CIR07-22-06	Improvements Road From Periyapatna Taluk Border to Virajpet Road (SH-90) via Vadli Managanahalli (Road ID-928) in Mysuru PIU - ADB Financed.	928	3.01
395	Mysuru	Mysuru	Hunsur	ADB-KPP-CIR07-22-06	Improvements Road From Tharikattu to Shrivaji Nagara road (Road ID-4147) in Mysuru PIU - ADB Financed.	4147	2.10
396	Mysuru	Mysuru	Hunsur	ADB-KPP-CIR07-22-06	Improvements Road From Bilikere-Gaddige road Gowripura-Uddur Road via Nadappanahally Road (Road ID-4474) in Mysuru PIU - ADB Financed.	4474	2.05
397	Mysuru	Mysuru	Krishnarajanagara	ADB-KPP-CIR07-22-07	Improvements to road from Siddapura to K.R.Nagara- Chunchanakatte road (Road ID-986) in Mysuru PIU - ADB Financed.	986	2.37
398	Mysuru	Mysuru	Krishnarajanagara	ADB-KPP-CIR07-22-07	Improvements to road from Kedaga to Gummanahalli via Honnenahalli MDR (Road ID-1001) in Mysuru PIU - ADB Financed.	1001	3.55
399	Mysuru	Mysuru	Krishnarajanagara	ADB-KPP-CIR07-22-07	Improvements to road from Nadapanahally to Bandahally-KR Nagara Taluk Border via MDR near Kaloor (Road ID-4314) in Mysuru PIU - ADB Financed.	4314	3.59
400	Mysuru	Mysuru	Krishnarajanagara	ADB-KPP-CIR07-22-07	Improvements to road from Kestur to Chunchanakatte (Road ID-4426) in Mysuru PIU - ADB Financed.	4426	5.78
401	Mysuru	Mysuru	Nanjangud	ADB-KPP-CIR07-22-02	Improvements to road from Tharadale to Halahalli MDR via Ranganathapura (Road ID-310) in Mysuru PIU - ADB Financed.	310	6.65
402	Mysuru	Mysuru	Nanjangud	ADB-KPP-CIR07-22-02	Improvements to road from Karalapura MDR to Volgere - Masage Joining road via Handijogicolony (Road ID-319) in Mysuru PIU - ADB Financed.	319	5.35
403	Mysuru	Mysuru	Nanjangud	ADB-KPP-CIR07-22-02	Improvements to road from Haginavalu to Kurihundi (Road ID-1051) in Mysuru PIU - ADB Financed.	1051	4.90
404	Mysuru	Mysuru	Piriyapatna	ADB-KPP-CIR07-22-08	Improvements to road from K Hosahalli to T-11(Karinayakana Koppalu to Hosahalli M Via Kanthegowdana Koppalu,K Hosahalli) (Road ID-4201) in Mysuru PIU - ADB Financed.	4201	4.00
405	Mysuru	Mysuru	Piriyapatna	ADB-KPP-CIR07-22-08	Improvements to road from Hunasavadi to Bhuthanahalli (Road ID-5009) in Mysuru PIU - ADB Financed.	5009	2.11
406	Mysuru	Mysuru	Piriyapatna	ADB-KPP-CIR07-22-08	Improvements to road from Doddaneralu to Niluvadi (Road ID-5011) in Mysuru PIU - ADB Financed.	5011	2.38
407	Mysuru	Mysuru	Piriyapatna	ADB-KPP-CIR07-22-08	Improvements to road from Kothavalli to Melur (Road ID-5165) in Mysuru PIU - ADB Financed.	5165	1.86
408	Mysuru	Mysuru	Piriyapatna	ADB-KPP-CIR07-22-08	Improvements to road from G Basavanahalli to Thelaginakuppe MDR (Road ID-5166) in Mysuru PIU - ADB Financed.	5166	2.00

409	Mysuru	Mysuru	Piriyapatna	ADB-KPP-CIR07-22-08	Improvements to road from Muthur colony to Kirangur (Road ID-5167) in Mysuru PIU - ADB Financed.	5167	2.00
410	Mysuru	Mysuru	T. Narasipur	ADB-KPP-CIR07-22-03	Improvements to road from Aravattige Koppali to B Sechally (Road ID-844) in Mysuru PIU - ADB Financed.	844	3.56
411	Mysuru	Mysuru	T. Narasipur	ADB-KPP-CIR07-22-03	Improvements to road from Hiriyuru to Road joining Thottavadi (Road ID-4874) in Mysuru PIU - ADB Financed.	4874	2.85
412	Mysuru	Mysuru	T. Narasipur	ADB-KPP-CIR07-22-03	Improvements to road from Hosakukkuru to Vijayapura to Mudukuthore Road (Road ID-4878) in Mysuru PIU - ADB Financed.	4878	2.30
413	Mysuru	Mysuru	T. Narasipur	ADB-KPP-CIR07-22-03	Improvements to road from Neragayathanahally to Jagajeevana Grama Via Kanayakanahalli (Road ID-4926) in Mysuru PIU - ADB Financed.	4926	3.42
414	Mysuru	Mysuru	Varuna	ADB-KPP-CIR07-22-04	Improvements to road from Thayuru to Bilugali via Iggbly (Road ID-1310) in Mysuru PIU - ADB Financed.	1310	4.46
415	Mysuru	Mysuru	Varuna	ADB-KPP-CIR07-22-04	Improvements to road from Karya to Aralikattchundi MDR (Road ID-4300) in Mysuru PIU - ADB Financed.	4300	1.96
416	Mysuru	Mysuru	Varuna	ADB-KPP-CIR07-22-04	Improvements to road from S Uttanahally to NH via Yandahally, Chorannahally (Road ID-4816) in Mysuru PIU - ADB Financed.	4816	7.50
417	Mysuru	Mysuru	Varuna	ADB-KPP-CIR07-22-04	Improvements to road from Mudlahundi to SH (Road ID-4880) in Mysuru PIU - ADB Financed.	4880	1.64
418	Raichur	Raichur	Devadurga	ADB-KPP-CIR03-23-01	Improvements to road from SH-61 to G inabgera (Road ID-3307) in Raichur PIU PIU - ADB Financed.	3307	4.82
419	Raichur	Raichur	Devadurga	ADB-KPP-CIR03-23-01	Improvements to road from SH-61 to Nagadinni (Road ID-5264) in Raichur PIU PIU - ADB Financed.	5264	7.43
420	Raichur	Raichur	Lingsugur	ADB-KPP-CIR03-23-02	Improvements to road from Mavinabhatti to Budinni Cross (Road ID-2599) in Raichur PIU PIU - ADB Financed.	2599	5.50
421	Raichur	Raichur	Lingsugur	ADB-KPP-CIR03-23-02	Improvements to road from Tawaga to Huti (Road ID-4496) in Raichur PIU PIU - ADB Financed.	4496	6.76
422	Raichur	Raichur	Manvi	ADB-KPP-CIR03-23-03	Improvements to road from Approach road to Kadadinni (Road ID-1207) in Raichur PIU PIU - ADB Financed.	1207	3.53
423	Raichur	Raichur	Manvi	ADB-KPP-CIR03-23-03	Improvements to road from Navalkal to Murkigudda tanda via Murkigudda (Road ID-3824) in Raichur PIU PIU - ADB Financed.	3824	4.75
424	Raichur	Raichur	Manvi	ADB-KPP-CIR03-23-03	Improvements to road from RG road to Hokrani (Road ID-3825) in Raichur PIU PIU - ADB Financed.	3825	2.01
425	Raichur	Raichur	Manvi	ADB-KPP-CIR03-23-03	Improvements to road from RG Road to Rajadinni (Road ID-3910) in Raichur PIU PIU - ADB Financed.	3910	1.99
426	Raichur	Raichur	Manvi	ADB-KPP-CIR03-23-03	Improvements to road from Sangapur to mallinamadu (Road ID-3913) in Raichur PIU PIU - ADB Financed.	3913	2.45
427	Raichur	Raichur	Maski	ADB-KPP-CIR03-23-04	Improvements to road from Sanbal-maski road to Budinni (Road ID-2662) in Raichur PIU PIU - ADB Financed.	2662	3.25
428	Raichur	Raichur	Maski	ADB-KPP-CIR03-23-04	Improvements to road from Pamanakallur to Anandgal (Road ID-2669) in Raichur PIU PIU - ADB Financed.	2669	2.78
429	Raichur	Raichur	Maski	ADB-KPP-CIR03-23-04	Improvements to road from vecrapur to mullur (Road ID-2699) in Raichur PIU PIU - ADB Financed.	2699	4.66
430	Raichur	Raichur	Maski	ADB-KPP-CIR03-23-04	Improvements to road from Mattur to Mudagal main road (Road ID-3397) in Raichur PIU PIU - ADB Financed.	3397	5.67
431	Raichur	Raichur	Raichur	ADB-KPP-CIR03-23-05	Improvements to road from Bolmanaddodi to Sidrapur cross (Road ID-4902) in Raichur PIU PIU - ADB Financed.	4902	2.38
432	Raichur	Raichur	Raichur	ADB-KPP-CIR03-23-05	Improvements to road from Baidoddi to Singmodi (Road ID-4920) in Raichur PIU PIU - ADB Financed.	4920	2.21
433	Raichur	Raichur	Raichur	ADB-KPP-CIR03-23-05	Improvements to road from Baidoddi to Izapur road (Road ID-5249) in Raichur PIU PIU - ADB Financed.	5249	5.60
434	Raichur	Raichur	Raichur Rural	ADB-KPP-CIR03-23-06	Improvements to road from Hanumandoddi to Ganjalji (Road ID-3113) in Raichur PIU PIU - ADB Financed.	3113	2.60
435	Raichur	Raichur	Raichur Rural	ADB-KPP-CIR03-23-06	Improvements to road from Kalmala to Laxminagar camp (Road ID-3114) in Raichur PIU PIU - ADB Financed.	3114	2.24
436	Raichur	Raichur	Raichur Rural	ADB-KPP-CIR03-23-06	Improvements to road from Seekel to Meerapur Tanda (Road ID-3894) in Raichur PIU PIU - ADB Financed.	3894	3.13
437	Raichur	Raichur	Raichur Rural	ADB-KPP-CIR03-23-06	Improvements to road from Meerapur to Idapnoor (Road ID-4410) in Raichur PIU PIU - ADB Financed.	4410	3.60
438	Raichur	Raichur	Raichur Rural	ADB-KPP-CIR03-23-06	Improvements to road from Mantralaya main road to Bullapur via Rammagar camp (Road ID-4506) in Raichur PIU PIU - ADB Financed.	4506	3.70
439	Raichur	Raichur	Sindhaur	ADB-KPP-CIR03-23-07	Improvements to road from C.S.F To Ayyanur road via Vigneshwara camp,Venkateshwara camp,Annapurna camp,Paparao camp. (Road ID-3794) in Raichur PIU PIU - ADB Financed.	3794	13.90
440	Raichur	Raichur	Sindhaur	ADB-KPP-CIR03-23-07	Improvements to road from kunatigi to SH 150A. Kunatigi camp (Road ID-5265) in Raichur PIU PIU - ADB Financed.	5265	2.11
441	Bengaluru (Rural)	Ramanagara	Channapatna	ADB-KPP-CIR01-28-01	Improvements to road from BANGALORE-MYSORE ROAD TO MARADYANAHALLI (CHANNAPATNA- MADDUR TALUK BORDER) VIA GANDHI GRAMA, KOLURU, SEEBANAHALLI (Road ID-5223) in Bengaluru (Rural) PIU - ADB Financed.	5223	4.80
442	Bengaluru (Rural)	Ramanagara	Channapatna	ADB-KPP-CIR01-28-01	Improvements to road from BANGALORE MYSORE ROAD TO DABANGUNDA VIA PUTTAPPANADODDI (Road ID-5224) in Bengaluru (Rural) PIU - ADB Financed.	5224	1.94
443	Bengaluru (Rural)	Ramanagara	Channapatna	ADB-KPP-CIR01-28-01	Improvements to road from VANDARAGUPPE TO CHANNAPATNA SWM PLANT VIA POULIDODDI (Road ID-5227) in Bengaluru (Rural) PIU - ADB Financed.	5227	3.08
444	Bengaluru (Rural)	Ramanagara	Magadi	ADB-KPP-CIR01-28-05	Improvements to road from HULLENAHALLI LAYA TO BISKUR ROAD VIA KUPPEPALYA HOSAPALYA (Road ID-4932) in Bengaluru (Rural) PIU - ADB Financed.	4932	2.86
445	Bengaluru (Rural)	Ramanagara	Magadi	ADB-KPP-CIR01-28-05	Improvements to road from NH-75 TO CHIKKAKALYA-SANKIGHATTA ROAD VIA DANDENAHALLI, JANATHA COLONY (Road ID-5190) in Bengaluru (Rural) PIU - ADB Financed.	5190	2.80
446	Bengaluru (Rural)	Ramanagara	Magadi	ADB-KPP-CIR01-28-05	Improvements to road from KALYA TO HUJAGAL VIA MAYANAYAKANAHALLI (Road ID-5193) in Bengaluru (Rural) PIU - ADB Financed.	5193	2.70
447	Bengaluru (Rural)	Ramanagara	Magadi	ADB-KPP-CIR01-28-05	Improvements to road from VAJARAHALLI TO BYALADAKERE (Road ID-5194) in Bengaluru (Rural) PIU - ADB Financed.	5194	2.02
448	Bengaluru (Rural)	Ramanagara	Magadi	ADB-KPP-CIR01-28-05	Improvements to road from MADABAI. TO KARLAMANGALA VIA PURA (Road ID-5198) in Bengaluru (Rural) PIU - ADB Financed.	5198	2.70
449	Bengaluru (Rural)	Ramanagara	Magadi	ADB-KPP-CIR01-28-05	Improvements to road from BALELINGEGOWDANADODDI TO THIRUMALEGOWDANADODDI VIA THALAWADI (Road ID-5213) in Bengaluru (Rural) PIU - ADB Financed.	5213	1.87
450	Bengaluru (Rural)	Ramanagara	Ramanagaram	ADB-KPP-CIR01-28-07	Improvements to road from ANNAHALLI TO BIDADI - MUDUVADI ROAD VIA PAREGOWDANAPALYA SHAMBEGOWDAPALYA (Road ID-5085) in Bengaluru (Rural) PIU - ADB Financed.	5085	2.33
451	Bengaluru (Rural)	Ramanagara	Ramanagaram	ADB-KPP-CIR01-28-07	Improvements to road from URSU COLONY TO KADASI KOPPA VIA KOLLIGANAHALLI SANTENAHALLI (Road ID-5089) in Bengaluru (Rural) PIU - ADB Financed.	5089	2.89
452	Bengaluru (Rural)	Ramanagara	Ramanagaram	ADB-KPP-CIR01-28-07	Improvements to road from HULIGONDANAHALLI TO BANNIKUPPE VIA BYREGOWDANAVASE (Road ID-5141) in Bengaluru (Rural) PIU - ADB Financed.	5141	2.02
453	Bengaluru (Rural)	Ramanagara	Ramanagaram	ADB-KPP-CIR01-28-07	Improvements to road from BIDADI MUDAWADI ROAD TO CHEELURU VIA CHIKAKALBALU (Road ID-5226) in Bengaluru (Rural) PIU - ADB Financed.	5226	4.39
454	Shivamogga	Shivamogga	Bhadravathi	ADB-KPP-CIR04-24-04	Improvements to road from Puttanmagara to L-031 (Road ID-241) in Shimoga PIU - ADB Financed.	241	3.29
455	Shivamogga	Shivamogga	Bhadravathi	ADB-KPP-CIR04-24-04	Improvements to road from Jayanagara L - 031 (Road ID-2474) in Shimoga PIU - ADB Financed.	2474	2.69
456	Shivamogga	Shivamogga	Bhadravathi	ADB-KPP-CIR04-24-04	Improvements to road from NH 69 To Kumbargundi (Road ID-2584) in Shimoga PIU - ADB Financed.	2584	2.40
457	Shivamogga	Shivamogga	Bhadravathi	ADB-KPP-CIR04-24-04	Improvements to road from Huliyar Ramunkoppa To Siddapura Hossuru (Road ID-5332) in Shimoga PIU - ADB Financed.	5332	1.71
458	Shivamogga	Shivamogga	Bhadravathi	ADB-KPP-CIR04-24-04	Improvements to road from Siggebaggi To Hollehonur - Bhadravathi Road (Road ID-5333) in Shimoga PIU - ADB Financed.	5333	1.00
459	Shivamogga	Shivamogga	Bhadravathi	ADB-KPP-CIR04-24-04	Improvements to road from NH369 To Kablikatte (Road ID-5346) in Shimoga PIU - ADB Financed.	5346	1.80
460	Shikaripura	Shivamogga	Sagar	ADB-KPP-CIR04-24-03	Improvements Road from NH 366C (Gouthampura) to Kannuru via Dananduru (Road ID-767) in Shikaripura PIU - ADB Financed.	767	2.13
461	Shikaripura	Shivamogga	Sagar	ADB-KPP-CIR04-24-03	Improvements Road from Doddabailu to Karchonda road (Road ID-3981) in Shikaripura PIU - ADB Financed.	3981	1.67

462	Shikaripura	Shivamogga	Sagar	ADB-KPP-CIR04-24-03	Improvements Road From NH 206 to Kamuru via Tungalavadi Hosakoppa Road (Road ID-5340) in Shikaripura PIU - ADB Financed.	5340	4.45
463	Shikaripura	Shivamogga	Sagar	ADB-KPP-CIR04-24-03	Improvements Road from Gadikatte to Bilagodi (Road ID-5344) in Shikaripura PIU - ADB Financed.	5344	3.10
464	Shikaripura	Shivamogga	Shikaripura	ADB-KPP-CIR04-24-01	Improvements Road from Balligavi to mugalikoppa , Hosomuthagi road (Road ID-1430) in Shikaripura PIU - ADB Financed.	1430	3.30
465	Shikaripura	Shivamogga	Shikaripura	ADB-KPP-CIR04-24-01	Improvements Road from Gama to Nandihalli (Road ID-1871) in Shikaripura PIU - ADB Financed.	1871	2.80
466	Shikaripura	Shivamogga	Shikaripura	ADB-KPP-CIR04-24-01	Improvements Road from Mallenahalli circle to Herekeri-Chikkeru mainroad(Sheetkonda) (Road ID-5343) in Shikaripura PIU - ADB Financed.	5343	1.70
467	Shivamogga	Shivamogga	Shimoga	ADB-KPP-CIR04-24-05	Improvements to road from Shimoga - Devakythikoppa Main Road To Bommanakatte Road (Road ID-4988) in Shimoga PIU - ADB Financed.	4988	1.84
468	Shivamogga	Shivamogga	Shimoga Rural	ADB-KPP-CIR04-24-06	Improvements to road from Hakkipikki camp to kattigere (Road ID-2213) in Shimoga PIU - ADB Financed.	2213	2.23
469	Shivamogga	Shivamogga	Shimoga Rural	ADB-KPP-CIR04-24-06	Improvements to road from Haramagutta To Mussenahalu MDR (Road ID-2330) in Shimoga PIU - ADB Financed.	2330	5.12
470	Shivamogga	Shivamogga	Shimoga Rural	ADB-KPP-CIR04-24-06	Improvements to road from Improvement Road From Targnali Cross To Kudli cross via Bhadrapura (Road ID-4785) in Shimoga PIU - ADB Financed.	4785	1.81
471	Shikaripura	Shivamogga	Sorab	ADB-KPP-CIR04-24-02	Improvements Road from Kalguddi to Kamanavalli Cross via Hirechouti (Selected Reach) (Road ID-1391) in Shikaripura PIU - ADB Financed.	1391	1.30
472	Shikaripura	Shivamogga	Sorab	ADB-KPP-CIR04-24-02	Improvements Road from SH to Hanchi tanda road (Road ID-1464) in Shikaripura PIU - ADB Financed.	1464	3.46
473	Shikaripura	Shivamogga	Sorab	ADB-KPP-CIR04-24-02	Improvements Road from Jade MDR to Hanaji-Hosakoppa-Bankasana Road (Road ID-4946) in Shikaripura PIU - ADB Financed.	4946	1.80
474	Shikaripura	Shivamogga	Sorab	ADB-KPP-CIR04-24-02	Improvements Road from Bommanahalli to Kurpagadde Road (Road ID-4954) in Shikaripura PIU - ADB Financed.	4954	2.00
475	Shikaripura	Shivamogga	Sorab	ADB-KPP-CIR04-24-02	Improvements Road from Bemuru to T-10 (Road ID-5320) in Shikaripura PIU - ADB Financed.	5320	4.00
476	Shikaripura	Shivamogga	Sorab	ADB-KPP-CIR04-24-02	Improvements Road from Kamanavalli to Herehawti Road (Road ID-5335) in Shikaripura PIU - ADB Financed.	5335	2.30
477	Shivamogga	Shivamogga	Tirthahalli	ADB-KPP-CIR04-24-07	Improvements to road from Kondlur To T-10SH 52 to Hunasakoppa Road) (Road ID-5329) in Shimoga PIU - ADB Financed.	5329	1.57
478	Shivamogga	Shivamogga	Tirthahalli	ADB-KPP-CIR04-24-07	Improvements to road from SH-52 to Hanmeradukhandaka road (Road ID-5330) in Shimoga PIU - ADB Financed.	5330	5.10
479	Shivamogga	Shivamogga	Tirthahalli	ADB-KPP-CIR04-24-07	Improvements to road from Salmara -Hanneradu Kandaka road to Heggademane (Road ID-5331) in Shimoga PIU - ADB Financed.	5331	3.35
480	Tumakuru	Tumakuru	Chikknayakan halli	ADB-KPP-CIR01-25-01	Improvements Road From Kaiwara Cross (SH47) to Duvanada Hosahalli (Road ID-311) in Tumakuru PIU - ADB Financed.	311	4.91
481	Tumakuru	Tumakuru	Chikknayakan halli	ADB-KPP-CIR01-25-01	Improvements Road From MDR to Belaguli Via Hosu Gollarahatti and Hale Gollarahatti & Rangapura (Road ID-374) in Tumakuru PIU - ADB Financed.	374	4.23
482	Tumakuru	Tumakuru	Gubbi	ADB-KPP-CIR01-25-07	Improvements to road from Gubbi Hebbur Road to Tumakuru Border Via Bastikere Biligere (Road ID-3695) in Tumakuru PIU - ADB Financed.	3695	2.93
483	Tumakuru	Tumakuru	Gubbi	ADB-KPP-CIR01-25-07	Improvements to road from Benchalli to T12 Via Bettadahalli (Road ID-4456) in Tumakuru PIU - ADB Financed.	4456	3.39
484	Tumakuru	Tumakuru	Gubbi	ADB-KPP-CIR01-25-07	Improvements to road from Sajayanapalya Cross to Kakkenahalli (Road ID-5326) in Tumakuru PIU - ADB Financed.	5326	3.91
485	Sira	Tumakuru	Koratagere	ADB-KPP-CIR01-25-15	Improvements Road From KMT Road to K.Hariharappanpalya via chowkunte,chikkagowdanahalli (Road ID-1959) in Sira PIU - ADB Financed.	1959	4.06
486	Sira	Tumakuru	Koratagere	ADB-KPP-CIR01-25-15	Improvements Road From Hosahalli Road to sompura via Ammanahalli (Road ID-2035) in Sira PIU - ADB Financed.	2035	2.88
487	Sira	Tumakuru	Koratagere	ADB-KPP-CIR01-25-15	Improvements Road From KMT Road to Puttasandra cross via Veerapura,Kaliganahalli,Pattadevarapalya (Road ID-2257) in Sira PIU - ADB Financed.	2257	3.11
488	Sira	Tumakuru	Koratagere	ADB-KPP-CIR01-25-15	Improvements Road FromKMT Road to Hulsoppinahalli (Road ID-4231) in Sira PIU - ADB Financed.	4231	3.25
489	Sira	Tumakuru	Koratagere	ADB-KPP-CIR01-25-15	Improvements Road From Godrahalli to Siddalingaiahnanpalya via Kashapura (Road ID-4750) in Sira PIU - ADB Financed.	4750	3.61
490	Tumakuru	Tumakuru	Kunigal	ADB-KPP-CIR01-25-09	Improvements to road from SH 84 to Paduvagere Via Benavara, Valagerepura and Kantanahalli (Road ID-2491) in Tumakuru PIU - ADB Financed.	2491	6.20
491	Tumakuru	Tumakuru	Kunigal	ADB-KPP-CIR01-25-09	Improvements to road from SH 33 to Chikkamavatturu Via Tangachihalli (Road ID-2889) in Tumakuru PIU - ADB Financed.	2889	3.54
492	Tumakuru	Tumakuru	Kunigal	ADB-KPP-CIR01-25-09	Improvements to road from Byadagere Gate to Kuppe Main Road Via Kodihalli (Road ID-3124) in Tumakuru PIU - ADB Financed.	3124	2.28
493	Sira	Tumakuru	Madhugiri	ADB-KPP-CIR01-25-17	Improvements Road From Chandragiri to Dubbhaghatta-Rantavala Road via Mallenahalli (Road ID-2067) in Sira PIU - ADB Financed.	2067	3.47
494	Sira	Tumakuru	Madhugiri	ADB-KPP-CIR01-25-17	Improvements Road From Hosakere-Muddenahally Road to Thandoti via Hositakaloti, Haleitakaloti (Road ID-3011) in Sira PIU - ADB Financed.	3011	4.95
495	Sira	Tumakuru	Madhugiri	ADB-KPP-CIR01-25-17	Improvements Road From Kotagarahalli to Virupagondanahalli cross via Bullasandra (Road ID-4277) in Sira PIU - ADB Financed.	4277	2.48
496	Sira	Tumakuru	Madhugiri	ADB-KPP-CIR01-25-17	Improvements Road From Hosakere-Rantavala Road to Honnapura via Mayagondanahalli (Road ID-5253) in Sira PIU - ADB Financed.	5253	2.56
497	Sira	Tumakuru	Pavagada	ADB-KPP-CIR01-25-20	Improvements Road From Sulanayakanahalli to Kotagudda road via Yarammanahalli (Road ID-2943) in Sira PIU - ADB Financed.	2943	5.50
498	Sira	Tumakuru	Sira	ADB-KPP-CIR01-25-21	Improvements Road From NH-04 to Kallambella Banglow via Mallashettihalli, Kenchaganahally,Pillemalayyanapalya (Road ID-2062) in Sira PIU - ADB Financed.	2062	3.47
499	Sira	Tumakuru	Sira	ADB-KPP-CIR01-25-21	Improvements Road From Sira-Amarapura Road to Rangapura (Road ID-2114) in Sira PIU - ADB Financed.	2114	2.29
500	Sira	Tumakuru	Sira	ADB-KPP-CIR01-25-21	Improvements Road From Kageelinganahalli to Tarur Road via Balabasavanahally,Bytagnahatti (Road ID-2161) in Sira PIU - ADB Financed.	2161	3.06
501	Sira	Tumakuru	Sira	ADB-KPP-CIR01-25-21	Improvements Road From Muganahalli to NH-234 (Road ID-3927) in Sira PIU - ADB Financed.	3927	2.50
502	Sira	Tumakuru	Sira	ADB-KPP-CIR01-25-21	Improvements Road From Hendore to Veerapura (Road ID-4133) in Sira PIU - ADB Financed.	4133	1.96
503	Sira	Tumakuru	Sira	ADB-KPP-CIR01-25-21	Improvements Road From SH-159 to Chinnenahally via javanahally (Road ID-4137) in Sira PIU - ADB Financed.	4137	1.71
504	Tumakuru	Tumakuru	Tiptur	ADB-KPP-CIR01-25-02	Improvements Road From M S Palya to Dasarighaatta (Road ID-2458) in Tumakuru PIU - ADB Financed.	2458	2.48
505	Tumakuru	Tumakuru	Tiptur	ADB-KPP-CIR01-25-02	Improvements Road From Anagondanahalli to Rangapura Via Hosahalli & Chikka Rangapura (Road ID-2559) in Tumakuru PIU - ADB Financed.	2559	5.17
506	Tumakuru	Tumakuru	Tiptur	ADB-KPP-CIR01-25-02	Improvements Road From to Shivara (High School) to Kodi Koppalu (Road ID-2679) in Tumakuru PIU - ADB Financed.	2679	4.29
507	Tumakuru	Tumakuru	Tumkur City	ADB-KPP-CIR01-25-11	Improvements to road from Satyamangala to Swandenahalli Via Beeranakallu (Road ID-4840) in Tumakuru PIU - ADB Financed.	4840	3.00
508	Tumakuru	Tumakuru	Tumkur City	ADB-KPP-CIR01-25-11	Improvements to road from SH 94 to Shettihalli Cross Via Shettihalli Palya (Road ID-4847) in Tumakuru PIU - ADB Financed.	4847	2.39
509	Tumakuru	Tumakuru	Tumkur City	ADB-KPP-CIR01-25-11	Improvements to road from Dibbur to Heggere Via TCB Road Vakkodi (Road ID-4866) in Tumakuru PIU - ADB Financed.	4866	5.47
510	Tumakuru	Tumakuru	Tumkur Rural	ADB-KPP-CIR01-25-13	Improvements to road from SH 33 to Vaderpura Via Srikanthanapalya Bestarapalya and Colony (Road ID-688) in Tumakuru PIU - ADB Financed.	688	3.11
511	Tumakuru	Tumakuru	Tumkur Rural	ADB-KPP-CIR01-25-13	Improvements to road from Bychenahalli to Gubbi Border Via Bisalahalli, Chikkagollahalli and Kaduvinakunte (Road ID-2929) in Tumakuru PIU - ADB Financed.	2929	4.92

512	Tumakuru	Tumakuru	Tumkur Rural	ADB-KPP-CIR01-25-13	Improvements to road from Shanthapura to Banimukuppe Cross Via Chikkanahatti (Road ID-3028) in Tumakuru PIU - ADB Financed.	3028	2.23
513	Tumakuru	Tumakuru	Turuvekere	ADB-KPP-CIR01-25-04	Improvements Road From Mudiger-Obbenagasandra MDR to Devanayakanahalli (MDR) via Nagalapura (Road ID-1679) in Tumakuru PIU - ADB Financed.	1679	4.74
514	Tumakuru	Tumakuru	Turuvekere	ADB-KPP-CIR01-25-04	Improvements Road From Hulikere (Canal) to Hedagehalli MDR via Gonitumkur. (Road ID-2956) in Tumakuru PIU - ADB Financed.	2956	5.38
515	Udupi	Udupi	Kapu	ADB-KPP-CIR08-26-02	Improvements to road from Arbi Dusharahanaagura road (Road ID-2860) in Udupi PIU - ADB Financed.	2860	2.05
516	Udupi	Udupi	Kapu	ADB-KPP-CIR08-26-02	Improvements to road from Adamaru to panyur road (Road ID-4884) in Udupi PIU - ADB Financed.	4884	1.59
517	Udupi	Udupi	Kundapur	ADB-KPP-CIR08-26-03	Improvements to road from Koni proper to Kageri road (Road ID-2552) in Udupi PIU - ADB Financed.	2552	5.57
518	Udupi	Udupi	Udupi	ADB-KPP-CIR08-26-01	Improvements to road from Kunjalu to Matapady via Devarahadi Bolje road (Road ID-1314) in Udupi PIU - ADB Financed.	1314	3.66
519	Udupi	Udupi	Udupi	ADB-KPP-CIR08-26-01	Improvements to road from Uppinakatte to Chitteri road (Road ID-1315) in Udupi PIU - ADB Financed.	1315	2.27
520	Udupi	Udupi	Udupi	ADB-KPP-CIR08-26-01	Improvements to road from Beloorjedd, Kunragodu Ganapathi temple road (Road ID-1323) in Udupi PIU - ADB Financed.	1323	1.01
521	Ballari	Vijayanagara	Hagaribomma nahalli	ADB-KPP-CIR03-31-02	Improvements to road from Varalahalli to Dashamapura road Via Upparaghatta (Road ID-831) in Ballari PIU PIU - ADB Financed.	831	8.02
522	Ballari	Vijayanagara	Hagaribomma nahalli	ADB-KPP-CIR03-31-02	Improvements to road from Hosa Anandadevanahalli to Kechinabandi (Road ID-2109) in Ballari PIU PIU - ADB Financed.	2109	2.17
523	Ballari	Vijayanagara	Hagaribomma nahalli	ADB-KPP-CIR03-31-02	Improvements to road from Marabbihal Thanda to Narayanadevanakere (Road ID-3446) in Ballari PIU PIU - ADB Financed.	3446	3.05
524	Ballari	Vijayanagara	Kudligi	ADB-KPP-CIR03-31-03	Improvements to road from Badeladuku to Kottur-kudligi Road via Doddagollarahatti (Road ID-2228) in Ballari PIU PIU - ADB Financed.	2228	3.55
525	Ballari	Vijayanagara	Kudligi	ADB-KPP-CIR03-31-03	Improvements to road from MB Ayyanahalli to Bishnahalli cross (Road ID-3434) in Ballari PIU PIU - ADB Financed.	3434	3.84
526	Ballari	Vijayanagara	Kudligi	ADB-KPP-CIR03-31-03	Improvements to road from Sakalapura Gollarahatti to NH50 (Road ID-3441) in Ballari PIU PIU - ADB Financed.	3441	2.74
527	Ballari	Vijayanagara	Kudligi	ADB-KPP-CIR03-31-03	Improvements to road from Beeralagudda-Badeladaku road to NH 50 via Morabanahalli (Road ID-3451) in Ballari PIU PIU - ADB Financed.	3451	2.44
528	Ballari	Vijayanagara	Kudligi	ADB-KPP-CIR03-31-03	Improvements to road from Sanklapura to chiratagundu -Koracharahatti road (Road ID-4870) in Ballari PIU PIU - ADB Financed.	4870	2.25
529	Vijayapura	Vijayapura	Babaleshwar	ADB-KPP-CIR02-07-01	Improvements to road from Tonashyal Approach Road (Road ID-841) in Vijayapura PIU - ADB Financed.	841	5.05
530	Vijayapura	Vijayapura	Babaleshwar	ADB-KPP-CIR02-07-01	Improvements to road from MANENADADDI-BHISENDODDI-LUNAR LT TO JOIN BUTANAL-ARAKERI-SIDDAPUR NH ROAD (Road ID-1082) in Vijayapura PIU - ADB Financed.	1082	4.41
531	Vijayapura	Vijayapura	Babaleshwar	ADB-KPP-CIR02-07-01	Improvements Road From Takkalaki- Takkalaki It-01- Takkalaki It-02- up tp MH Border (Road ID-5005) in Vijayapura PIU - ADB Financed.	5005	5.04
532	Vijayapura	Vijayapura	Basavana Bagevadi	ADB-KPP-CIR02-07-03	Improvements to road from Golasangi to Nagawad (Road ID-5239) in 2026 PIU - ADB Financed.	5239	3.39
533	Vijayapura	Vijayapura	Basavana Bagevadi	ADB-KPP-CIR02-07-03	Improvements to road from NH 52 to Halladagenur (Road ID-5240) in 2026 PIU - ADB Financed.	5240	1.75
534	Vijayapura	Vijayapura	Basavana Bagevadi	ADB-KPP-CIR02-07-03	Improvements to road from Ronihal to Mulawad LT (Road ID-5242) in 2026 PIU - ADB Financed.	5242	4.96
535	Vijayapura	Vijayapura	Basavana Bagevadi	ADB-KPP-CIR02-07-03	Improvements to road from SH to Asangi BK (Road ID-5243) in 2026 PIU - ADB Financed.	5243	3.98
536	Vijayapura	Vijayapura	Basavana Bagevadi	ADB-KPP-CIR02-07-03	Improvements to road from SH to Nagaradinni (Road ID-5244) in 2026 PIU - ADB Financed.	5244	1.70
537	Vijayapura	Vijayapura	Bijapur City	ADB-KPP-CIR02-07-05	Improvements Road From Toravi LT-4 to Navarasapur (Road ID-5152) in Vijayapura PIU - ADB Financed.	5152	3.08
538	Vijayapura	Vijayapura	Bijapur City	ADB-KPP-CIR02-07-05	Improvements Road From Takke to Toravi LT-4 (Road ID-5153) in Vijayapura PIU - ADB Financed.	5153	2.35
539	Vijayapura	Vijayapura	Bijapur City	ADB-KPP-CIR02-07-05	Improvements Road From Toravi Kesaraal LT- 3 to Ittangihal-Jalageri MDR (Road ID-5156) in Vijayapura PIU - ADB Financed.	5156	3.04
540	Vijayapura	Vijayapura	Devara Hippargi	ADB-KPP-CIR02-07-07	Improvements Road From BUDIHAI PT VILLAGE TO ANIMADU VIA HALAGUNDAKANAL, ASANTAPUR & CHATTANALLI VILLAGE (Road ID-3494) in Vijayapura PIU - ADB Financed.	3494	10.14
541	Vijayapura	Vijayapura	Devara Hippargi	ADB-KPP-CIR02-07-07	Improvements Road From Kanaal Village to Huvina Hippargi Village via Agasabal Village (Road ID-5276) in Vijayapura PIU - ADB Financed.	5276	3.27
542	Vijayapura	Vijayapura	Indi	ADB-KPP-CIR02-07-09	Improvements to road from Salotagi to Hirebavamar (Road ID-4224) in Vijayapura PIU - ADB Financed.	4224	11.08
543	Vijayapura	Vijayapura	Indi	ADB-KPP-CIR02-07-09	Improvements Road From Kudagi to Babalad (Road ID-4998) in Vijayapura PIU - ADB Financed.	4998	3.18
544	Vijayapura	Vijayapura	Muddebihal	ADB-KPP-CIR02-07-11	Improvements to road from Muddebihal Talikoti SH to Hokrani Approach Road (Road ID-1618) in Vijayapura PIU - ADB Financed.	1618	2.57
545	Vijayapura	Vijayapura	Muddebihal	ADB-KPP-CIR02-07-11	Improvements to road from Muddebihal Talikoti SH to Jakkeral Via Jammaladinni (Road ID-1619) in Vijayapura PIU - ADB Financed.	1619	2.50
546	Vijayapura	Vijayapura	Muddebihal	ADB-KPP-CIR02-07-11	Improvements to road from Tangadagi Nalatawad MDR to Hunakunti via Old Kapanur (Road ID-1622) in Vijayapura PIU - ADB Financed.	1622	3.80
547	Vijayapura	Vijayapura	Muddebihal	ADB-KPP-CIR02-07-11	Improvements to road from Muddebihal to Hadalageri-Yarzeri (Road ID-4907) in Vijayapura PIU - ADB Financed.	4907	5.52
548	Vijayapura	Vijayapura	Nagthan	ADB-KPP-CIR02-07-13	Improvements to road from Baradoti to Shignapur (Road ID-4252) in Vijayapura PIU - ADB Financed.	4252	8.10
549	Vijayapura	Vijayapura	Nagthan	ADB-KPP-CIR02-07-13	Improvements to road from Baradoti to Dummakani (Road ID-4253) in Vijayapura PIU - ADB Financed.	4253	8.04
550	Vijayapura	Vijayapura	Sindgi	ADB-KPP-CIR02-07-15	Improvements to road from Improvements and Asphaltting Road From Huvinali Uchitanavadagi to Alahalli (Road ID-4695) in Vijayapura PIU - ADB Financed.	4695	2.81
551	Vijayapura	Vijayapura	Sindgi	ADB-KPP-CIR02-07-15	Improvements to road from Improvements and Asphaltting Road From Sungathan to Nagavi B K (Road ID-4696) in Vijayapura PIU - ADB Financed.	4696	5.00
552	Vijayapura	Vijayapura	Sindgi	ADB-KPP-CIR02-07-15	Improvements to road from Improvements and Asphaltting Road From Tontapur to Vibhuthihalli (Road ID-4697) in Vijayapura PIU - ADB Financed.	4697	2.70
553	Vijayapura	Vijayapura	Sindgi	ADB-KPP-CIR02-07-15	Improvements to road from Improvements and Asphaltting Road chikallapur to golgeri (Road ID-5284) in Vijayapura PIU - ADB Financed.	5284	4.50
554	Kalburgi	Yadgir	Gurmitkal	ADB-KPP-CIR06-30-02	Improvements to road from Jaigram to MDR Via Wadwat (Road ID-2432) in Kalburgi PIU - ADB Financed.	2432	3.78
555	Kalburgi	Yadgir	Gurmitkal	ADB-KPP-CIR06-30-02	Improvements to road from Kadechur to Bomraloddodi Via Mavinahalli (Road ID-2468) in Kalburgi PIU - ADB Financed.	2468	6.30
556	Kalburgi	Yadgir	Shahapur	ADB-KPP-CIR06-30-03	Improvements to road from Sagar to Ekkigudda (Road ID-3509) in Kalburgi PIU - ADB Financed.	3509	4.16
557	Kalburgi	Yadgir	Shahapur	ADB-KPP-CIR06-30-03	Improvements to road from Madnal to Inglagi (Road ID-3510) in Kalburgi PIU - ADB Financed.	3510	3.86
558	Kalburgi	Yadgir	Shahapur	ADB-KPP-CIR06-30-03	Improvements to road from Naganoor to Kiradalli (Road ID-3512) in Kalburgi PIU - ADB Financed.	3512	7.00
559	Kalburgi	Yadgir	Shorapur	ADB-KPP-CIR06-30-04	Improvements to road from Shorapur Ammapur Main road to Mangihal Via Nagalapur (Road ID-4992) in Kalburgi PIU - ADB Financed.	4992	7.35
560	Kalburgi	Yadgir	Shorapur	ADB-KPP-CIR06-30-04	Improvements to road from Baichhal to Kudalugi (Road ID-5002) in Kalburgi PIU - ADB Financed.	5002	2.50
561	Kalburgi	Yadgir	Yadgir	ADB-KPP-CIR06-30-01	Improvements to road from Konalli to Kandhalli (Road ID-4006) in Kalburgi PIU - ADB Financed.	4006	4.10
562	Kalburgi	Yadgir	Yadgir	ADB-KPP-CIR06-30-01	Improvements to road from Tangadgi to Gundalli Tanda (Road ID-4119) in Kalburgi PIU - ADB Financed.	4119	7.19
563	Bagalkot	Bagalkot	Badami	ADB-KPP-CIR02-01-03	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	136	5.20
564	Bagalkot	Bagalkot	Bilgi	ADB-KPP-CIR02-01-08	Improvements of road from Yandigeri to Join Kaladagi MDR (Excluding Forest stretch of 0.050 km) (Road ID 24) in Bagalkot PIU- ADB financed.	24	3.26

565	Bagalkot	Bagalkot	Jamkhandi	ADB-KPP-CIR02-01-19	Improvements of road from Siddapur to Kulsali Road Upto Taluka Border (Road ID 2160) in Bagalkot PIU- ADB financed.	2160	5.18
566	Bagalkot	Bagalkot	Mudhol	ADB-KPP-CIR02-01-20	Improvements of road from Belagali to Jagadai Navalagi Road Upto TQ Border (Road ID 2085) in Bagalkot PIU- ADB financed.	2085	3.43
567	Ballari	Ballari	Sandur	ADB-KPP-CIR03-05-11	Improvements to road from Survanahalli to Taluka Border (jarmali cross) (Road ID 3354) in Ballari PIU - ADB financed.	3354	4.00
568	Ballari	Ballari	Sandur	ADB-KPP-CIR03-05-11	Improvements to road from Vittalapura metriki main road to taluka border (Gavisiddeshwara temple road) (Road ID 4009) in Ballari PIU - ADB financed.	4009	2.30
569	Ballari	Ballari	Sandur	ADB-KPP-CIR03-05-11	Improvements to road from Torangalu to Taluka Border (Thimmalapura) (Road ID 4886) in Ballari PIU - ADB financed.	4886	5.27
570	Ballari	Ballari	Siraguppa	ADB-KPP-CIR03-05-12	Improvements to road from Mallapura road to join Sirigeri Muddatnur road (Road ID 828) in Ballari PIU - ADB financed.	828	3.28
571	Belagavi	Belagavi	Athani	ADB-KPP-CIR02-04-38	Improvements of road from Chikatti to SH-31 via Sankonatti (Road ID 3813) in Belagavi PIU- ADB financed.	3813	3.42
572	Belagavi	Belagavi	Belgaum Uttar	ADB-KPP-CIR02-04-43	Improvements of road from SH (Kalkhamb) to Siddheshwar Swami Temple Road (Road ID 5431) in Belagavi PIU- ADB financed.	5431	1.12
573	Belagavi	Belagavi	Hukkeri	ADB-KPP-CIR02-04-39	Improvements of road from Awargol to Kotabagi road (Road ID 1644) in Belagavi PIU- ADB financed.	1644	5.80
574	Belagavi	Belagavi	Hukkeri	ADB-KPP-CIR02-04-39	Improvements of road from Shippur to Mattiwad Road (Road ID 1656) in Belagavi PIU- ADB financed.	1656	4.30
575	Belagavi	Belagavi	Khanapur	ADB-KPP-CIR02-04-40	Improvements of road from Mugawade Cross To Kabanali Road (Road ID 1700) in Belagavi PIU- ADB financed.	1700	2.98
576	Belagavi	Belagavi	Khanapur	ADB-KPP-CIR02-04-40	Improvements of road from Chunchawad to Kakkeri (Road ID 1782) in Belagavi PIU- ADB financed.	1782	3.10
577	Belagavi	Belagavi	Raybag	ADB-KPP-CIR02-04-41	Improvements of road from MDR to Mekhali Kotre tota (Road ID 4789) in Belagavi PIU- ADB financed.	4789	3.00
578	Gokak	Belagavi	Samsatti Yellamma	ADB-KPP-CIR02-04-44	Improvements of road from Bhandarhali to Bhandarhali gudda road (Road ID 5150) in Gokak PIU- ADB financed.	5150	3.94
579	Belagavi	Belagavi	Yemkanamard i	ADB-KPP-CIR02-04-42	Improvements of road from Bagarnal Laxmi Nagar to Join SH Road (Road ID 1832) in Belagavi PIU- ADB financed.	1832	2.89
580	Belagavi	Belagavi	Yemkanamard i	ADB-KPP-CIR02-04-42	Improvements of road from Daddi to Bidrevadi to Aladal (Road ID 4344) in Belagavi PIU- ADB financed.	4344	4.56
581	Belagavi	Belagavi	Yemkanamard i	ADB-KPP-CIR02-04-42	Improvements of road from Karikatti To Join shahabandar-hegadal Road (Road ID 4817) in Belagavi PIU- ADB financed.	4817	2.08
582	Belagavi	Belagavi	Yemkanamard i	ADB-KPP-CIR02-04-42	Improvements of road from Honaga to Bailur Via Hosalli, Jumnal, Kenchanatt (Road ID 4821) in Belagavi PIU- ADB financed.	4821	3.65
583	Bengaluru Rural	Bengaluru (Rural)	Hosakote	ADB-KPP-CIR01-02-08	Improvements of road from Kanmasandra to Yenagunte via., M- Sathyavara junction (Road ID 3690) in Bengaluru Rural PIU- ADB financed.	3690	2.93
584	Bengaluru Rural	Bengaluru (Rural)	Hosakote	ADB-KPP-CIR01-02-08	Improvements of road from ONGC (I.O.C) to Paramanahally-Thindlu road via., Giddalapura, Tharabally (Road ID 4575) in Bengaluru Rural PIU- ADB financed.	4575	2.19
585	Mysuru	Chamarajanagara	Chamarajanagar	ADB-KPP-CIR07-08-07	Improvements of road from Hithalagudda to BRHills Road via Maldevanahalli (Road ID 2216) in Mysuru PIU- ADB financed.	2216	5.31
586	Mysuru	Chamarajanagara	Hanur	ADB-KPP- CIR07-08-09	Improvements of road from Arabegere to Badrainahally via Hosalli, Chennur (Road ID 2536) in Mysuru PIU- ADB financed.	2536	6.96
587	Mysuru	Chamarajanagara	Hanur	ADB-KPP- CIR07-08-08	Improvements of road from Karachidoddi to Rasibolihanda Via Karachikatte, Martahlli, Aladamradadoddi, T.G.Doddi (Road ID 2538) in Mysuru PIU- ADB financed.	2538	6.33
588	Mysuru	Chamarajanagara	Hanur	ADB-KPP- CIR07-08-08	Improvements of road from Marur to Ponnachi (Road ID 2540) in Mysuru PIU- ADB financed.	2540	3.08
589	Mysuru	Chamarajanagara	Hanur	ADB-KPP- CIR07-08-09	Improvements of road from Martalli to Vadaradoddi via Anthony Koi, Yeridoddi and Vattikadu (Road ID 2543) in Mysuru PIU- ADB financed.	2543	4.35
590	Mysuru	Chamarajanagara	Hanur	ADB-KPP- CIR07-08-09	Improvements of road from Munisettydoddi to Hosalli Cross (Road ID 4221) in Mysuru PIU- ADB financed.	4221	2.65
591	Mysuru	Chamarajanagara	Kollegal	ADB-KPP- CIR07-08-10	Improvements of road from Bellatha to K.Devarahalli Cross via Mantipalya (Road ID 2503) in Mysuru PIU- ADB financed.	2503	4.00
592	Chikkaballapura	Chikkaballapura	Bagepalli	ADB-KPP-CIR01-29-10	Improvements of road from Julapalya to T-03 via Balehosahalli, Kanampalli (Road ID 417) in Chikkaballapura PIU- ADB financed.	417	9.61
593	Chikkaballapura	Chikkaballapura	Chikkaballapur e	ADB-KPP-CIR01-29-11	Improvements of road from Peresandra to PS road via Basavanapathi, Kothandahalli, Hoovinavaralahalli, Bovihalli (Road ID 462) in Chikkaballapura PIU- ADB financed.	462	11.38
594	Chikkaballapura	Chikkaballapura	Chintamani	ADB-KPP-CIR01-29-12	Improvements of road from CMY ROAD to Y Kurupalli Road via I Kurupalli, Mykapothalahalli, Junjanahalli, Naravamakalahalli, Puligundlahalli (Road ID 3998) in Chikkaballapura PIU- ADB financed.	3998	6.95
595	Chikkaballapura	Chikkaballapura	Sidlaghatta	ADB-KPP-CIR01-29-13	Improvements of road from Dibburali(MDR) to Chelur-MDR via Papatthimahanahalli, Gabbinayana vodu, Nandanavana, Mittahalli (Road ID 3186) in Chikkaballapura PIU- ADB financed.	3186	10.02
596	Chikkamagalur	Chikkamagaluru	Chikkamagalur	ADB-KPP-CIR08-09-09	Improvements of road from Boochmahalli kaval to Belavadi Road (Road ID 3088) in Chikkamagalur PIU- ADB financed.	3088	4.04
597	Chikkamagalur	Chikkamagaluru	Kadur	ADB-KPP-CIR08-09-10	Improvements of road from Rangenahalli to Muslapuradahatti via Galigutti (Road ID 4889) in Chikkamagalur PIU- ADB financed.	4889	6.68
598	Chikkamagalur	Chikkamagaluru	Mudigere	ADB-KPP-CIR08-09-11	Improvements of road from Balekhan Estate to Yadur (Road ID 2978) in Chikkamagalur PIU- ADB financed.	2978	2.72
599	Chikkamagalur	Chikkamagaluru	Mudigere	ADB-KPP-CIR08-09-12	Improvements of road from Mudigere-Belur main road to Hantur road via Jenubyle (Road ID 5259) in Chikkamagalur PIU- ADB financed.	5259	3.15
600	Chikkamagalur	Chikkamagaluru	Mudigere	ADB-KPP-CIR08-09-12	Improvements of road from G Hosalli circle to SH 27 via Tata Estate Padiya colony (Road ID 5273) in Chikkamagalur PIU- ADB financed.	5273	3.40
601	Chikkamagalur	Chikkamagaluru	Mudigere	ADB-KPP-CIR08-09-13	Improvements of road from Bhadrakali To Bilagur -Balehole Road (Road ID 5274) in Chikkamagalur PIU- ADB financed.	5274	5.01
602	Chikkamagalur	Chikkamagaluru	Mudigere	ADB-KPP-CIR08-09-13	Improvements of road from Toranmavu to Doddamagaravalli via Heladalu and Haliyur (Road ID 5275) in Chikkamagalur PIU- ADB financed.	5275	4.91
603	Chikkamagalur	Chikkamagaluru	Mudigere	ADB-KPP-CIR08-09-11	Improvements of road from Balur to Bommanahalli via Horatti (Road ID 5323) in Chikkamagalur PIU- ADB financed.	5323	4.63
604	Chikkamagalur	Chikkamagaluru	Sringeri	ADB-KPP-CIR08-09-14	Improvements of road from Kachagal to Andagaru via Totadakoppa Road (Road ID 168) in Chikkamagalur PIU- ADB financed.	168	8.91
605	Chikkamagalur	Chikkamagaluru	Sringeri	ADB-KPP-CIR08-09-14	Improvements of road from devarakodige to Narve hariharapura Joining Road Via kallumakki (Road ID 973) in Chikkamagalur PIU- ADB financed.	973	2.20
606	Chikkamagalur	Chikkamagaluru	Sringeri	ADB-KPP-CIR08-09-15	Improvements of road from Susalvani To Gulladamane Via Gerubylu Road (Road ID 1568) in Chikkamagalur PIU- ADB financed.	1568	5.10
607	Chikkamagalur	Chikkamagaluru	Sringeri	ADB-KPP-CIR08-09-16	Improvements of road from Ganapathi katte to Kolale via Aduvalli road (Road ID 1573) in Chikkamagalur PIU- ADB financed.	1573	3.15
608	Chikkamagalur	Chikkamagaluru	Sringeri	ADB-KPP-CIR08-09-14	Improvements of road from Kogre to Bettadakolalu via Anumane Road (Road ID 3309) in Chikkamagalur PIU- ADB financed.	3309	3.25
609	Chikkamagalur	Chikkamagaluru	Sringeri	ADB-KPP-CIR08-09-15	Improvements of road from Madaboar To Shankarapura Via Kesakki Kuppuru (Road ID 4322) in Chikkamagalur PIU- ADB financed.	4322	4.00
610	Chikkamagalur	Chikkamagaluru	Sringeri	ADB-KPP-CIR08-09-16	Improvements of road from Gubbur To Melpai Via Hunasekoppa (Road ID 4415) in Chikkamagalur PIU- ADB financed.	4415	3.60
611	Chikkamagalur	Chikkamagaluru	Tarikere	ADB-KPP-CIR08-09-17	Improvements of road from Haliyooru To Samathala Road (Road ID 2567) in Chikkamagalur PIU- ADB financed.	2567	3.13
612	Chikkamagalur	Chikkamagaluru	Tarikere	ADB-KPP-CIR08-09-17	Improvements of road from Lakkavalli to Doddakunduru via Upper Beeranahalli (Road ID 2757) in Chikkamagalur PIU- ADB financed.	2757	4.75
613	Chitradurga	Chitradurga	Holakere	ADB-KPP-CIR04-10-13	Improvements of road from H D pura to Sri karekal temple Nandana hosuru Gollarahatti (Road ID 897) in Chitradurga PIU- ADB financed.	897	2.23
614	Mangalore	Dakshina Kannada	Bantwal	ADB-KPP-CIR08-11-13	Improvements of road from Gadiyara Perlupu to Kadeswalya (Road ID 259) in Mangalore PIU- ADB financed.	259	4.55

615	Mangalore	Dakshina Kannada	Bantwal	ADB-KPP-CIR08-11-13	Improvements of road from Balhila To Barimaru (Road ID 290) in Mangalore PIU- ADB financed.	290	3.45
616	Mangalore	Dakshina Kannada	Bantwal	ADB-KPP-CIR08-11-14	Improvements of road from Agaragandi Majala To Gandhi Kottunja (Road ID 295) in Mangalore PIU- ADB financed.	295	2.89
617	Mangalore	Dakshina Kannada	Bantwal	ADB-KPP-CIR08-11-14	Improvements of road from Voggat(Damodarapalke) to Vamadhapadavu (Road ID 2718) in Mangalore PIU- ADB financed.	2718	2.45
618	Mangalore	Dakshina Kannada	Belthangady	ADB-KPP-CIR08-11-16	Improvements of road from Mundaje to Kayarthodi Road (Road ID 1040) in Mangalore PIU- ADB financed.	1040	3.85
619	Mangalore	Dakshina Kannada	Belthangady	ADB-KPP-CIR08-11-15	Improvements of road from Bandaru Village perla Kurudange Nerolpalke Road (Road ID 1041) in Mangalore PIU- ADB financed.	1041	2.21
620	Mangalore	Dakshina Kannada	Belthangady	ADB-KPP-CIR08-11-16	Improvements of road from Hangerakatta Nettau Nirlaje Road (Road ID 1043) in Mangalore PIU- ADB financed.	1043	4.14
621	Mangalore	Dakshina Kannada	Belthangady	ADB-KPP-CIR08-11-16	Improvements of road from Narya Road Dondale Maya Road (Road ID 1046) in Mangalore PIU- ADB financed.	1046	3.10
622	Mangalore	Dakshina Kannada	Belthangady	ADB-KPP-CIR08-11-15	Improvements of road from Puttila Bajakala Road (Road ID 1052) in Mangalore PIU- ADB financed.	1052	3.11
623	Mangalore	Dakshina Kannada	Mangalore	ADB-KPP-CIR08-11-17	Improvements of road from Arkana-Mithakodi- Kurmadu temple- Boliyaru Road (Road ID 25) in Mangalore PIU- ADB financed.	25	4.86
624	Mangalore	Dakshina Kannada	Mangalore	ADB-KPP-CIR08-11-17	Improvements of road from Majji-Boliyaru-Renthadka Road (Road ID 29) in Mangalore PIU- ADB financed.	29	3.41
625	Mangalore	Dakshina Kannada	Mangalore	ADB-KPP-CIR08-11-18	Improvements of road from Thoudugoli-Kalmijnja Road (Road ID 31) in Mangalore PIU- ADB financed.	31	2.27
626	Mangalore	Dakshina Kannada	Mangalore	ADB-KPP-CIR08-11-18	Improvements of road from Kollaramajala-Montugoli-Kamblapadavu Road (Road ID 3000) in Mangalore PIU- ADB financed.	3000	2.89
627	Mangalore	Dakshina Kannada	Mangalore	ADB-KPP-CIR08-11-04	Improvements of road from Adkapalla Kedambadi Mangalaniti (Road ID 3885) in Mangalore PIU- ADB financed.	3885	4.35
628	Mangalore	Dakshina Kannada	Mangalore	ADB-KPP-CIR08-11-04	Improvements of road from Kinya-Rehmathanagara-Kallarakodi (Road ID 4438) in Mangalore PIU- ADB financed.	4438	2.05
629	Mangalore	Dakshina Kannada	Mangalore City North	ADB-KPP-CIR08-11-11	Improvements of road from Joduthadame to Narlapadavu Tharemar (Road ID 15) in Mangalore PIU- ADB financed.	15	3.25
630	Mangalore	Dakshina Kannada	Mangalore City North	ADB-KPP-CIR08-11-11	Improvements of road from Aramane Bandi to Pupasidikallu Road (Road ID 1057) in Mangalore PIU- ADB financed.	1057	4.28
631	Mangalore	Dakshina Kannada	Mangalore City North	ADB-KPP-CIR08-11-12	Improvements of road from Paduperar korakambala kattalsar Road (Road ID 1059) in Mangalore PIU- ADB financed.	1059	2.52
632	Mangalore	Dakshina Kannada	Mangalore City North	ADB-KPP-CIR08-11-12	Improvements of road from Kuppepadavu To Boliya Road (Road ID 4427) in Mangalore PIU- ADB financed.	4427	2.66
633	Mangalore	Dakshina Kannada	Moodabidiri	ADB-KPP-CIR08-11-09	Improvements of road from Jakkadakatte to Niddodi Road (Road ID 354) in Mangalore PIU- ADB financed.	354	4.57
634	Mangalore	Dakshina Kannada	Moodabidiri	ADB-KPP-CIR08-11-09	Improvements of road from Ikala Kambla To Patte Keredabettu Road (Road ID 501) in Mangalore PIU- ADB financed.	501	1.89
635	Mangalore	Dakshina Kannada	Moodabidiri	ADB-KPP-CIR08-11-10	Improvements of road from Masthikatte Battarakodi to Hosabettu road (Road ID 535) in Mangalore PIU- ADB financed.	535	3.17
636	Mangalore	Dakshina Kannada	Moodabidiri	ADB-KPP-CIR08-11-10	Improvements of road from Nelikaru GP Borugudde to Jyothinagara Renjal Road (Road ID 1306) in Mangalore PIU- ADB financed.	1306	3.48
637	Mangalore	Dakshina Kannada	Moodabidiri	ADB-KPP-CIR08-11-10	Improvements of road from Tenkamijaru GP Kayar Muger to Ashwathpura (Road ID 1893) in Mangalore PIU- ADB financed.	1893	4.07
638	Mangalore	Dakshina Kannada	Moodabidiri	ADB-KPP-CIR08-11-09	Improvements of road from Kinnigoli to Thodama road (Road ID 4867) in Mangalore PIU- ADB financed.	4867	1.46
639	Dakshina Kannada	Dakshina Kannada	Puttur	ADB-KPP-CIR08-11-06	Improvements of road from Kaikara-Minipadavu-Kapikaddu (Road ID 4420) in Mangalore PIU- ADB financed.	4420	2.78
640	Mangalore	Dakshina Kannada	Puttur	ADB-KPP-CIR08-11-05	Improvements of road from Ide- Dumakka- Kanimole Road (Road ID 827) in Mangalore PIU- ADB financed.	827	4.53
641	Mangalore	Dakshina Kannada	Puttur	ADB-KPP-CIR08-11-06	Improvements of road from Joginulle-Vadya-Mrithadka Road (Road ID 837) in Mangalore PIU- ADB financed.	837	3.91
642	Mangalore	Dakshina Kannada	Puttur	ADB-KPP-CIR08-11-06	Improvements of road from Kowdicharu-Mailakochi-Durbethadka road (Road ID 1368) in Mangalore PIU- ADB financed.	1368	2.41
643	Mangalore	Dakshina Kannada	Puttur	ADB-KPP-CIR08-11-05	Improvements of road from Kabaka-kodipadi-Ojala-Berike road (Road ID 1612) in Mangalore PIU- ADB financed.	1612	3.38
644	Mangalore	Dakshina Kannada	Puttur	ADB-KPP-CIR08-11-06	Improvements of road from Sampya-Pelabadi-Olathadka road (Road ID 1643) in Mangalore PIU- ADB financed.	1643	3.02
645	Mangalore	Dakshina Kannada	Puttur	ADB-KPP-CIR08-11-05	Improvements of road from Ujrupade-Kurudakatte-Guradi road (Road ID 2202) in Mangalore PIU- ADB financed.	2202	4.06
646	Mangalore	Dakshina Kannada	Puttur	ADB-KPP-CIR08-11-05	Improvements of road from Kaje-Bellipady school-Rai estate Bellipady cross road (Road ID 3152) in Mangalore PIU- ADB financed.	3152	4.51
647	Mangalore	Dakshina Kannada	Sullia	ADB-KPP-CIR08-11-08	Improvements of road from Mogra-Yadoni road (Road ID 345) in Mangalore PIU- ADB financed.	345	2.75
648	Mangalore	Dakshina Kannada	Sullia	ADB-KPP-CIR08-11-08	Improvements of road from Kudkuli-Renjala -Kiriya road (Road ID 581) in Mangalore PIU- ADB financed.	581	5.20
649	Mangalore	Dakshina Kannada	Sullia	ADB-KPP-CIR08-11-07	Improvements of road from Sunkadakatte to Kombaru road (Road ID 806) in Mangalore PIU- ADB financed.	806	2.10
650	Mangalore	Dakshina Kannada	Sullia	ADB-KPP-CIR08-11-08	Improvements of road from Ivarnadu to kochi road (Road ID 807) in Mangalore PIU- ADB financed.	807	3.18
651	Mangalore	Dakshina Kannada	Sullia	ADB-KPP-CIR08-11-07	Improvements of road from Mavinakatte to Krandrady road (Road ID 822) in Mangalore PIU- ADB financed.	822	2.84
652	Mangalore	Dakshina Kannada	Sullia	ADB-KPP-CIR08-11-07	Improvements of road from Golihadi to Sabaluru road (Road ID 3189) in Mangalore PIU- ADB financed.	3189	2.58
653	Dharwad	Dharwad	Kalaghatgi	ADB-KPP-CIR05-13-13	Improvements to road from Arebasavanakoppa to Guledkoppa (upto tq border) via Hesarambi (Road ID-3093) in Dharwad PIU-ADB Financed	3093	4.90
654	Dharwad	Dharwad	Kalaghatgi	ADB-KPP-CIR05-13-13	Improvements to road from Vecrapur to Kanbarganvi (Road ID-3094) in Dharwad PIU-ADB Financed	3094	5.45
655	Gadag	Gadag	Shirahatti	ADB-KPP-CIR05-14-11	Improvements to road from Akkigunda to SH-6 (Road ID-144) in Gadag PIU- ADB Financed	144	5.45
656	Gadag	Gadag	Shirahatti	ADB-KPP-CIR05-14-11	Improvements to road from Haradagatti to F.Badni (Road ID-4287) in Gadag PIU-ADB Financed	4287	3.63
657	Gadag	Gadag	Shirahatti	ADB-KPP-CIR05-14-11	Improvements to road from Adralli to F-Badni MDR to Kundralli via Sankadal (Road ID-4580) in Gadag PIU-ADB Financed	4580	3.66
658	Hassan	Hassan	Arakalgud	ADB-KPP-CIR07-16-02	Improvements of road from Aladhalli to Bagdalu via Matra (Mathra) (Road ID 2838) in Hassan PIU- ADB financed.	2838	4.85
659	Hassan	Hassan	Arakalgud	ADB-KPP-CIR07-16-02	Improvements of road from Kadavinabachanahalli to Beeranahalli via Mahadeshwara Colony, Veeranahalli, Havinamaranahalli, (Road ID 3723) in Hassan PIU- ADB financed.	3723	4.06
660	Hassan	Hassan	Belur	ADB-KPP-CIR07-16-07	Improvements of road from Vatehalli (SH) to MDR Via Hosamane, Gujanahalli, Heggadde (Road ID 1446) in Hassan PIU- ADB financed.	1446	4.14
661	Hassan	Hassan	Belur	ADB-KPP-CIR07-16-07	Improvements of road from Dolanamane to Malliganuru via Bellavara (Road ID 1450) in Hassan PIU- ADB financed.	1450	2.70
662	Hassan	Hassan	Belur	ADB-KPP-CIR07-16-07	Improvements of road from NH-73 to Taluk border via Devarakeshavi, Kanadur, Mallakeshavi (Road ID 4714) in Hassan PIU- ADB financed.	4714	3.27
663	Hassan	Hassan	Belur	ADB-KPP-CIR07-16-07	Improvements of road from Malsavara-Basuru Road to Baladakallu (Road ID 5050) in Hassan PIU- ADB financed.	5050	1.93
664	Hassan	Hassan	Sakaleshpur	ADB-KPP-CIR07-16-13	Improvements of road from NH-75 to Belagodu Road via Yadehalli (Road ID 4190) in Hassan PIU- ADB financed.	4190	3.76
665	Hassan	Hassan	Shravanabelagola	ADB-KPP-CIR07-16-16	Improvements of road from Halebelagola Gate to Sorehalli via Halebelagola, Parama (Road ID 2036) in Hassan PIU- ADB financed.	2036	2.00
666	Hassan	Hassan	Shravanabelagola	ADB-KPP-CIR07-16-16	Improvements of road from Hirisave-Didaga Road (P.Hosahalli) to Taluk Border via Mudibetta Kaval (Road ID 2316) in Hassan PIU- ADB financed.	2316	2.40
667	Hassan	Hassan	Shravanabelagola	ADB-KPP-CIR07-16-16	Uthenahalli to Devaralli gate via jimenahalli - Devaralli	2368	2.03
668	Haveri	Haveri	Byadgi	ADB-KPP-CIR05-17-13	Improvements to road from Arbagonda - Katenahalli (SH136) to kalladevar Via Kengonda (Road ID-4984) in Haveri PIU-ADB Financed	4984	4.74
669	Haveri	Haveri	Hangal	ADB-KPP-CIR05-17-14	Improvements to road from Gotagodi to Mantagi Via Handhala (Road ID-4952) in Haveri PIU-ADB Financed	4952	4.10
670	Haveri	Haveri	Hangal	ADB-KPP-CIR05-17-14	Improvements to road from Mantagi to Harganahalli (Road ID-5457) in Haveri PIU-ADB Financed	5457	1.28
671	Haveri	Haveri	Hangal	ADB-KPP-CIR05-17-14	Improvements to road from Halesammasagi to Laximpura Gollar Bidar via Laximpura (Road ID-5459) in Haveri PIU-ADB Financed	5459	2.23

672	Mangalore	Kodagu	Madikeri	ADB-KPP-CIR08-18-03	Improvements of road from Gopalpura to Hemmanne Shanivarsanthe Kodlipete Main Road (Road ID 4431) in Dakshina Kannada PIU- ADB financed.	4431	3.03
673	Mangalore	Kodagu	Madikeri	ADB-KPP-CIR08-18-04	Improvements of road from Basariguppe to Alluguruppe Road (Road ID 4822) in Dakshina Kannada PIU- ADB financed.	4822	4.50
674	Mangalore	Kodagu	Madikeri	ADB-KPP-CIR08-18-03	Improvements of road from Chennapura HC to Gowdalli (via Hirikeri, Shivapura, Chikkare) (Road ID 5049) in Dakshina Kannada PIU- ADB financed.	5049	4.98
675	Mangalore	Kodagu	Madikeri	ADB-KPP-CIR08-18-04	Improvements of road from Balagunda to Karkalli Bane Road (Road ID 5177) in Dakshina Kannada PIU- ADB financed.	5177	2.25
676	Mangalore	Kodagu	Madikeri	ADB-KPP-CIR08-18-04	Improvements of road from Panya to Kanbylu Bychanalli Road (Road ID 5182) in Dakshina Kannada PIU- ADB financed.	5182	2.43
677	Mangalore	Kodagu	Virajpet	ADB-KPP-CIR08-18-05	Improvements of road from Kannangala Guhya School Road to Siddapura Main Road (Road ID 3148) in Dakshina Kannada PIU- ADB financed.	3148	3.50
678	Mangalore	Kodagu	Virajpet	ADB-KPP-CIR08-18-05	Improvements of road from Betoli Ramanagara to Gundigere Maseedi Kottolige Road (Road ID 3884) in Dakshina Kannada PIU- ADB financed.	3884	4.27
679	Mangalore	Kodagu	Virajpet	ADB-KPP-CIR08-18-06	Improvements of road from Chikkamandur to Hudikeri Road (Road ID 4003) in Dakshina Kannada PIU- ADB financed.	4003	4.00
680	Mangalore	Kodagu	Virajpet	ADB-KPP-CIR08-18-06	Improvements of road from Balyamandur to Thavarekere Agodu Road (Road ID 4042) in Dakshina Kannada PIU- ADB financed.	4042	6.10
681	Mangalore	Kodagu	Virajpet	ADB-KPP-CIR08-18-07	Improvements of road from Kolakeri to Kokeri Konajageri Road (Road ID 4154) in Dakshina Kannada PIU- ADB financed.	4154	8.38
682	Mangalore	Kodagu	Virajpet	ADB-KPP-CIR08-18-07	Improvements of road from Napoklu to Ajjimotte Pallizane Road (Road ID 4162) in Dakshina Kannada PIU- ADB financed.	4162	3.35
683	Kolar	Kolar	Bangarapet	ADB-KPP-CIRO1-19-13	Improvements of road from Gullahalli - M. Hosahalli road to Muthanur via Chigalaru (Road ID 596) in Kolar PIU- ADB financed.	596	2.35
684	Kolar	Kolar	Kolar	ADB-KPP-CIRO1-19-14	Improvements of road from NH-75 to Kolar-Malur MDR Via Cheluvanahalli (Road ID 2958) in Kolar PIU- ADB financed.	2958	2.82
685	Kolar	Kolar	Kolar	ADB-KPP-CIRO1-19-14	Improvements of road from Kolar-Chikkaballapura Road to NH-75 Via Andrahalli, Suttur, Chokkapura, Henkere, Kendatti Gollihalli, Madivala, Kendatti (Road ID 3469) in Kolar PIU- ADB financed.	3469	5.42
686	Kolar	Kolar	Mulbagal	ADB-KPP-CIRO1-19-10	Improvements of road from Koladevi-Kuthandahalli road to Harapanayakanahalli Road via Duggasandra, Tavarekere. (Road ID 1204) in Kolar PIU- ADB financed.	1204	1.73
687	Kolar	Kolar	Mulbagal	ADB-KPP-CIRO1-19-10	Improvements of road from Devarayasmudra to Avani MDR via Tattanakunte. (Road ID 1663) in Kolar PIU- ADB financed.	1663	3.28
688	Kolar	Kolar	Mulbagal	ADB-KPP-CIRO1-19-10	Improvements of road from NH 234 to Uthnur-Doddagurki road via Gopalapura, K.G Lakshmisagara (Road ID 3841) in Kolar PIU- ADB financed.	3841	3.22
689	Kolar	Kolar	Srinivasapur	ADB-KPP-CIRO1-19-12	Improvements of road from Addagal-Rayalpad Road to (BC Road) SH via Kandlevaripalli, Chirakorapalli, Mandayala (Road ID 382) in Kolar PIU- ADB financed.	382	4.17
690	Kolar	Kolar	Srinivasapur	ADB-KPP-CIRO1-19-12	Improvements of road from Chillapalli to Besthenahalli via Annenahalli, Mathikunte (Road ID 3526) in Kolar PIU- ADB financed.	3526	5.13
691	Kolar	Kolar	Srinivasapur	ADB-KPP-CIRO1-19-12	Improvements of road from Srinivasapura to SP Road Via Avalakuppa (Road ID 4013) in Kolar PIU- ADB financed.	4013	3.99
692	Koppal	Koppal	Gangavathi	ADB-KPP-CIR03-20-11	Improvements to road from Chilikamuki to Chamalapur upto MDR road Vai Gosaladoddi (Road ID 3212) in Koppal PIU - ADB financed.	3212	4.49
693	Mandya	Mandya	Krishnarajpet	ADB-KPP-CIR07-21-04	Improvements of road from Ankanahalli to Tahak Border Via Devarahalli (Road ID 4561) in Mandya PIU- ADB financed.	4561	2.05
694	Mandya	Mandya	Krishnarajpet	ADB-KPP-CIR07-21-04	Improvements of road from SH (Arasikere-Mysore) road to Chowdenahalli (Road ID 4583) in Mandya PIU- ADB financed.	4583	2.28
695	Mysuru	Mysuru	Hunsur	ADB-KPP-CIR07-22-17	Improvements of road from Bachahalli to MDR Near Ramnathapura Terakanambi road (RT Road) via Chikka Hunsur road (Road ID 919) in Mysuru PIU- ADB financed.	919	2.82
696	Mysuru	Mysuru	Hunsur	ADB-KPP-CIR07-22-17	Improvements of road from Gowdanakatte to MDR near Ramanathapura- Terakanambi (RT) road via Survey No-25 (Road ID 4146) in Mysuru PIU- ADB financed.	4146	3.15
697	Mysuru	Mysuru	Hunsur	ADB-KPP-CIR07-22-17	Improvements of road from Thippur to Mahadevapura (Road ID 4476) in Mysuru PIU- ADB financed.	4476	2.06
698	Mysuru	Mysuru	Piriyapatna	ADB-KPP-CIR07-22-18	Improvements of road from Thimakapura to Hosuru keremala via Chowthikoppalu (Road ID 1143) in Mysuru PIU- ADB financed.	1143	5.05
699	Mysuru	Mysuru	Piriyapatna	ADB-KPP-CIR07-22-18	Improvements of road from Gonikoppa Main road to Habaturu- Laxmipura Hadi To Boodittu (Road ID 5168) in Mysuru PIU- ADB financed.	5168	3.36
700	Raichur	Raichur	Devadurga	ADB-KPP-CIR03-23-08	Improvements to road from Galag Main Road to Jalmardi (Road ID 2442) in Raichur PIU - ADB financed.	2442	3.47
701	Raichur	Raichur	Devadurga	ADB-KPP-CIR03-23-08	Improvements to road from Kyadigera to AG Colony (Road ID 3099) in Raichur PIU - ADB financed.	3099	5.50
702	Raichur	Raichur	Raichur	ADB-KPP-CIR03-23-12	Improvements to road from Maliyabad to Aashapur (Road ID 5247) in Raichur PIU - ADB financed.	5247	4.10
703	Raichur	Raichur	Raichur	ADB-KPP-CIR03-23-12	Improvements to road from Bijangera to Bapur tandra (Road ID 5248) in Raichur PIU - ADB financed.	5248	4.93
704	Bangalore rural	Ramanagara	Channapatna	ADB-KPP-CIR01-28-09	Improvements of road from BEVOOR TO KELAGERE VIA HAROHALLIDODDI (Road ID 5135) in Bangalore rural PIU- ADB financed.	5135	3.89
705	Bangalore rural	Ramanagara	Kanakapura	ADB-KPP-CIR01-28-04	Improvements of road from CHAKANAHALLI SUNDAGATTA ROAD TO KERALALUSANDRA VIA KADUVEKEREDODDI (Road ID 1817) in Bangalore rural PIU- ADB financed.	1817	3.20
706	Bangalore rural	Ramanagara	Kanakapura	ADB-KPP-CIR01-28-04	Improvements of road from MARIGOWDANADODDI TO AREKOPPA VIA UYYAMBALLIDODDI, SHIVANEGOWDANADODDI (Road ID 1818) in Bangalore rural PIU- ADB financed.	1818	2.34
707	Bangalore rural	Ramanagara	Kanakapura	ADB-KPP-CIR01-28-04	Improvements of road from KEBBEHALI TO HONNIGANAHALLI (Road ID 1819) in Bangalore rural PIU- ADB financed.	1819	2.39
708	Bangalore rural	Ramanagara	Kanakapura	ADB-KPP-CIR01-28-04	Improvements of road from KANAKAPURA SANGAMA ROAD TO KUPPEDODDI VIA KADUSHIVANAHALLIDODDI (Road ID 3891) in Bangalore rural PIU- ADB financed.	3891	4.40
709	Bangalore rural	Ramanagara	Ramanagaram	ADB-KPP-CIR01-28-10	Improvements of road from THERUBEEDI TO CHANNAPPANADODDI VIA KARIYANADODDI MALLUGAMANADODDI DODDUR CROSS BETTHALLI (Road ID 5130) in Bangalore rural PIU- ADB financed.	5130	2.00
710	Shikaripura	Shimoga	Shikaripura	ADB-KPP-CIR04-24-09	Improvements of road from Shiralakoppa-Hirekeruru SH to Mugalikoppa MDR (Road ID 5443) in Shikaripura PIU- ADB financed.	5443	1.80
711	Shikaripura	Shimoga	Soraba	ADB-KPP-CIR04-24-10	Improvements of road from Shiralakoppa - Ulavi main road to Pura-Sagadde Road (Road ID 5336) in Shikaripura PIU- ADB financed.	5336	2.40
712	Shivamogga	Shivamogga	Bhadravathi	ADB-KPP-CIR04-24-15	Improvements of road from SH65 Hiriyuru To Kalankatte MDR Via Halle Hiriyuru,Chikkageopenahalli,Aralikoppa,Tarikatte (Road ID 2576) in Shivamogga PIU- ADB financed.	2576	8.50
713	Shivamogga	Shivamogga	Bhadravathi	ADB-KPP-CIR04-24-15	Improvements of road from Thavargatta Road(MDR) To Garrage Camp Via Malenahalli,Singanamane (Road ID 2624) in Shivamogga PIU- ADB financed.	2624	5.60
714	Shikaripura	Shivamogga	Sagar	ADB-KPP-CIR04-24-11	Improvements of road from Chennashetikoppa to sulagodu (Road ID 915) in Shikaripura PIU- ADB financed.	915	3.00
715	Shikaripura	Shivamogga	Sagar	ADB-KPP-CIR04-24-11	Improvements of road from Hythur to Hebbarige via soppinamalle (Road ID 1498) in Shikaripura PIU- ADB financed.	1498	2.00
716	Shikaripura	Shivamogga	Sagar	ADB-KPP-CIR04-24-11	Improvements of road from Mulkere to Maisavi Road (Road ID 1958) in Shikaripura PIU- ADB financed.	1958	1.50
717	Shikaripura	Shivamogga	Sagar	ADB-KPP-CIR04-24-11	Improvements of road from SH 25 To SH 25 Via Mudubba,Bhairapura,Barave (Road ID 2438) in Shikaripura PIU- ADB financed.	2438	2.80
718	Shikaripura	Shivamogga	Sagar	ADB-KPP-CIR04-24-11	Improvements of road from Halugudde to Battemallappa (Road ID 2439) in Shikaripura PIU- ADB financed.	2439	2.80

719	Shikaripura	Shivamogga	Sagar	ADB-KPP-CIR04-24-11	Improvements of road from Nichadi ti Chikkabhalagunji Shree Kamaleshwara temple road (Road ID 3173) in Shikaripura PIU- ADB financed.	3173	1.90
720	Shikaripura	Shivamogga	Sagar	ADB-KPP-CIR04-24-11	Improvements of road from Beluru to Kyananuru road (Road ID 4117) in Shikaripura PIU- ADB financed.	4117	2.00
721	Shikaripura	Shivamogga	Sagar	ADB-KPP-CIR04-24-11	Improvements of road from Improvements Road From Shimoga-Hosangara Main road (Karinagoli) To Dibbona Katta (Road ID 4781) in Shikaripura PIU- ADB financed.	4781	2.50
722	Shikaripura	Shivamogga	Shikaripura	ADB-KPP-CIR04-24-09	Improvements of road from Varaha main road to kadenandihalli road (Road ID 2214) in Shikaripura PIU- ADB financed.	2214	2.62
723	Shivamogga	Shivamogga	Shimoga	ADB-KPP-CIR04-24-16	Improvements of road from Shimoga - Aynur Main Road(Gadikoppa) To Purdall Road (Road ID 4989) in Shivamogga PIU- ADB financed.	4989	1.94
724	Shivamogga	Shivamogga	Shimoga Rural	ADB-KPP-CIR04-24-17	Improvements of road from Rechikoppa-Ragihosalli road to kumshi (NH-69) (Road ID 1873) in Shivamogga PIU- ADB financed.	1873	3.14
725	Shivamogga	Shivamogga	Shimoga Rural	ADB-KPP-CIR04-24-17	Improvements of road from Haranahalli (SH-26) to Vitagondanakoppa via Kesavinakatte (Road ID 1887) in Shivamogga PIU- ADB financed.	1887	1.00
726	Shivamogga	Shivamogga	Shimoga Rural	ADB-KPP-CIR04-24-17	Improvements of road from NH-69 near cancer Hospital To Honnavile Via Bidre (Road ID 2217) in Shivamogga PIU- ADB financed.	2217	2.32
727	Shivamogga	Shivamogga	Shimoga Rural	ADB-KPP-CIR04-24-17	Improvements of road from SH115 (K K Road) to Hossa Chandanakere Via D B Halli (Road ID 2558) in Shivamogga PIU- ADB financed.	2558	4.38
728	Shikaripura	Shivamogga	Sorab	ADB-KPP-CIR04-24-10	Improvements of road from Soraba main road to guduginakoppa and sirinayakanakoppa road (Road ID 1455) in Shikaripura PIU- ADB financed.	1455	1.50
729	Shikaripura	Shivamogga	Sorab	ADB-KPP-CIR04-24-10	Improvements of road from Harishi vidyanagara to nelluru-Kodambi road (Road ID 1647) in Shikaripura PIU- ADB financed.	1647	4.76
730	Shikaripura	Shivamogga	Sorab	ADB-KPP-CIR04-24-10	Improvements of road from Thandige main road to hulhikoppa road (Road ID 4122) in Shikaripura PIU- ADB financed.	4122	2.96
731	Shikaripura	Shivamogga	Sorab	ADB-KPP-CIR04-24-10	Improvements of road from Hosabale-Nisarani MDR to Hirale-Mudagodu-Ramagondanakoppa Road (Road ID 4935) in Shikaripura PIU- ADB financed.	4935	2.50
732	Shikaripura	Shivamogga	Sorab	ADB-KPP-CIR04-24-10	Improvements of road from Tekkuru-Hosuru to Gudavi Main Road (Road ID 4959) in Shikaripura PIU- ADB financed.	4959	2.00
733	Shivamogga	Shivamogga	Tirthahalli	ADB-KPP-CIR04-24-18	Improvements of road from NH-766 MADODI TO MDR MATHIKAI (Road ID 1252) in Shivamogga PIU- ADB financed.	1252	3.31
734	Shivamogga	Shivamogga	Tirthahalli	ADB-KPP-CIR04-24-18	Improvements of road from Ryave to T - 09 (Doddabaine To near Manimane (Road ID 2738) in Shivamogga PIU- ADB financed.	2738	4.00
735	Shivamogga	Shivamogga	Tirthahalli	ADB-KPP-CIR04-24-18	Improvements of road from Kesaremane (MDR) To Nilageri Via Baice (Baice To L - 81) (Road ID 2739) in Shivamogga PIU- ADB financed.	2739	3.51
736	Shivamogga	Shivamogga	Tirthahalli	ADB-KPP-CIR04-24-18	Improvements of road from Thirthahalli Nagara Main Road (M H Pura)To Kyathinkoppa Via Balgodu (Road ID 3776) in Shivamogga PIU- ADB financed.	3776	3.38
737	Tumakuru	Tumakuru	Gubbi	ADB-KPP-CIR01--25-23	Improvements of road from NH 206 to Adalgere Cross Via Sagarnahalli (Road ID 3168) in Tumakuru PIU- ADB financed.	3168	2.68
738	Tumakuru	Tumakuru	Tiptur	ADB-KPP-CIR01-25-29	Improvements of road from Nonavinakere-Vignasante Road to Turuvekere Road Via Piechenahalli , Makannahalli & Ranganahalli (Road ID 2533) in Tumakuru PIU- ADB financed.	2533	5.51
739	Tumakuru	Tumakuru	Tiptur	ADB-KPP-CIR01-25-29	Improvements of road from YT Road to MDR Via Lingadevarahalli Vaddarahatti & Lingadevarahalli (Road ID 2544) in Tumakuru PIU- ADB financed.	2544	3.86
740	Tumakuru	Tumakuru	Tiptur	ADB-KPP-CIR01-25-29	Improvements of road from Rudrapura to Rattenahalli (Road ID 4463) in Tumakuru PIU- ADB financed.	4463	3.86
741	Tumakuru	Tumakuru	Tumkur City	ADB-KPP-CIR01--25-25	Improvements of road from TCB Road to Chandrappana palya Via Haronahalli (Road ID 4841) in Tumakuru PIU- ADB financed.	4841	3.51
742	Tumakuru	Tumakuru	Turuvekere	ADB-KPP-CIR01-25-05	Improvements of road from Naduvahalli to Kyamasandra via Hosur (Road ID 2972) in Tumakuru PIU- ADB financed.	2972	4.80
743	Udupi	Udupi	Baindur	ADB-KPP-CIR08-26-04	Improvements of road from Golibettu to Kalgeri via Yderi road (Road ID 547) in Udupi PIU- ADB financed.	547	6.28
744	Udupi	Udupi	Baindur	ADB-KPP-CIR-08-26-05	Improvements of road from Kamblagadhe (Mortu)to Ajri road (Road ID 556) in Udupi PIU- ADB financed.	556	3.77
745	Udupi	Udupi	Baindur	ADB-KPP-CIR08-26-05	Improvements of road from Nandrolti to Marana katte Hosur Road (Road ID 1551) in Udupi PIU- ADB financed.	1551	3.71
746	Udupi	Udupi	Baindur	ADB-KPP-CIR08-26-05	Improvements of road from Nada Sornakodlu to Badakere proper road (Road ID 1741) in Udupi PIU- ADB financed.	1741	5.90
747	Udupi	Udupi	Baindur	ADB-KPP-CIR08-26-04	Improvements of road from Ulloor 11 proper to Halageri via Upprahalli (Road ID 3578) in Udupi PIU- ADB financed.	3578	2.27
748	Udupi	Udupi	Baindur	ADB-KPP-CIR08-26-05	Improvements of road from Aloor proper , Selekodu to Kalikamba Nagara road (Road ID 3581) in Udupi PIU- ADB financed.	3581	4.04
749	Udupi	Udupi	Baindur	ADB-KPP-CIR08-26-04	Improvements of road from Kollikeri to Halligoli via Kamli road (Road ID 4983) in Udupi PIU- ADB financed.	4983	4.40
750	Udupi	Udupi	Kapu	ADB-KPP-CIR-26-06	Improvements of road from Shirva to Thandrapura via Muthupady road (ShirvaNinjoor - T10) (Road ID 519) in Udupi PIU- ADB financed.	519	2.70
751	Udupi	Udupi	Kapu	ADB-KPP-CIR08-26-06	Improvements of road from Thakodibailu to Moodubettu via Moodubelle road (Road ID 1231) in Udupi PIU- ADB financed.	1231	4.32
752	Udupi	Udupi	Kapu	ADB-KPP-CIR08-26-07	Improvements of road from Pragathi Nagara Alevoor thanda to Karvalu road (Road ID 2314) in Udupi PIU- ADB financed.	2314	3.20
753	Udupi	Udupi	Kapu	ADB-KPP-CIR08-26-06	Improvements of road from Aramane Kuturu to Belpu road (Road ID 3730) in Udupi PIU- ADB financed.	3730	3.20
754	Udupi	Udupi	Kapu	ADB-KPP-CIR08-26-06	Improvements of road from Mudarangadi Piluru Halasinakatte Balegundi road (Road ID 3731) in Udupi PIU- ADB financed.	3731	2.72
755	Udupi	Udupi	Kapu	ADB-KPP-CIR08-26-07	Improvements of road from Pernankila to Patla (On SH67) and Moodubettu (on SH67)to Kudi road (Road ID 4760) in Udupi PIU- ADB financed.	4760	4.47
756	Udupi	Udupi	Kapu	ADB-KPP-CIR08-26-07	Improvements of road from Hiridka to Muthuru road(paddham bailu road) (Road ID 4883) in Udupi PIU- ADB financed.	4883	1.98
757	Udupi	Udupi	Karkala	ADB-KPP-CIR08-26-08	Improvements of road from Manjarapalkke Boli to Jargekatte Road (Road ID 329) in Udupi PIU- ADB financed.	329	5.68
758	Udupi	Udupi	Karkala	ADB-KPP-CIR08-26-09	Improvements of road from Hadimane Belanje to Gardarattu via Halckudlu road (Road ID 1960) in Udupi PIU- ADB financed.	1960	2.50
759	Udupi	Udupi	Karkala	ADB-KPP-CIR08-26-08	Improvements of road from Halekatte Kalya to Bajakala road (Road ID 2253) in Udupi PIU- ADB financed.	2253	1.32
760	Udupi	Udupi	Karkala	ADB-KPP-CIR08-26-08	Improvements of road from Palli to Ranganapalkke via Chitrabail road (Road ID 2892) in Udupi PIU- ADB financed.	2892	6.81
761	Udupi	Udupi	Karkala	ADB-KPP-CIR08-26-08	Improvements of road from Kampana to Kepuli road (Road ID 2893) in Udupi PIU- ADB financed.	2893	1.35
762	Udupi	Udupi	Karkala	ADB-KPP-CIR08-26-09	Improvements of road from Deputte Ajskara to Kurupady road (Road ID 2910) in Udupi PIU- ADB financed.	2910	1.80
763	Udupi	Udupi	Karkala	ADB-KPP-CIR08-26-09	Improvements of road from Mudrady to Adka road (Mudrady pete to Ballady Kolapady Ch 0.00 to 4.05km and Eshwara nagara to Varangi Adka cross road @ Ch 1.30km (Road ID 3424) in Udupi PIU- ADB financed.	3424	6.46
764	Udupi	Udupi	Karkala	ADB-KPP-CIR08-26-09	Improvements of road from Hirgana to Kanangi road (Road ID 3488) in Udupi PIU- ADB financed.	3488	3.05
765	Udupi	Udupi	Karkala	ADB-KPP-CIR08-26-08	Improvements of road from Borkalagadde to Kalambadi Padavu road (Road ID 4872) in Udupi PIU- ADB financed.	4872	2.65
766	Udupi	Udupi	Kundapur	ADB-KPP-CIR08-26-10	Improvements of road from Mudalkatte to Kalavara proper road (Road ID 174) in Udupi PIU- ADB financed.	174	5.19
767	Udupi	Udupi	Kundapur	ADB-KPP-CIR08-26-10	Improvements of road from Bidalkatte to Husemakkki road (Road ID 1371) in Udupi PIU- ADB financed.	1371	1.86
768	Udupi	Udupi	Kundapur	ADB-KPP-CIR08-26-11	Improvements of road from Shedimane proper to Thombottu link road (Road ID 1541) in Udupi PIU- ADB financed.	1541	1.61
769	Udupi	Udupi	Kundapur	ADB-KPP-CIR08-26-10	Improvements of road from Molahalli Kaikere cross to Maraththur school road (Road ID 1549) in Udupi PIU- ADB financed.	1549	5.04

770	Udupi	Udupi	Kundapur	ADB-KPP-CIR08-26-11	Improvements of road from Shedimane to Bepde Madamakki road (Road ID 1552) in Udupi PIU- ADB financed.	1552	4.40
771	Udupi	Udupi	Kundapur	ADB-KPP-CIR08-26-11	Improvements of road from Amrakattu (Yelanthur)to Surgoli road (Road ID 2554) in Udupi PIU- ADB financed.	2554	1.57
772	Udupi	Udupi	Kundapur	ADB-KPP-CIR08-26-11	Improvements of road from Naduru to Hanhalli house site (Kaduru)road (Road ID 2555) in Udupi PIU- ADB financed.	2555	2.25
773	Udupi	Udupi	Kundapur	ADB-KPP-CIR08-26-11	Improvements of road from Kallumargi to Shedimane proper and Konjadi via Thonase road (Road ID 4409) in Udupi PIU- ADB financed.	4409	5.09
774	Udupi	Udupi	Udupi	ADB-KPP-CIR08-26-12	Improvements of road from Goddanakatte to Benggal road (Road ID 309) in Udupi PIU- ADB financed.	309	2.97
775	Udupi	Udupi	Udupi	ADB-KPP-CIR08-26-13	Improvements of road from Surebettu to Munkinajeddu road (Road ID 1330) in Udupi PIU- ADB financed.	1330	4.28
776	Udupi	Udupi	Udupi	ADB-KPP-CIR08-26-13	Improvements of road from Kolalagiri to Havanje via Kilanje road (Road ID 2861) in Udupi PIU- ADB financed.	2861	3.35
777	Udupi	Udupi	Udupi	ADB-KPP-CIR08-26-12	Improvements of road from Cherkady H.C. to Alunje road (Road ID 4312) in Udupi PIU- ADB financed.	4312	2.70
778	Udupi	Udupi	Udupi	ADB-KPP-CIR08-26-12	Improvements of road from Arbi to Kelakarje (Kangibettu Kadangodu) road (Road ID 4784) in Udupi PIU- ADB financed.	4784	3.10
779	Karwar	Uttara Kannada	Bhatkal	ADB KPP-CIR05- 27-02	Improvements of road from Konda kuli cross Road to Kodani Panchayat Road Via Beranki (Road ID 1139) in Karwar PIU- ADB financed.	1139	3.00
780	Karwar	Uttara Kannada	Bhatkal	ADB KPP-CIR05- 27-01	Improvements of road from Korlikhan to Bellur Road Via Midle , Shiranikeri (Road ID 1435) in Karwar PIU- ADB financed.	1435	2.50
781	Karwar	Uttara Kannada	Bhatkal	ADB KPP-CIR05- 27-02	Improvements of road from NH-206 to Tumboli Marathikeri (Road ID 2711) in Karwar PIU- ADB financed.	2711	1.53
782	Karwar	Uttara Kannada	Bhatkal	ADB KPP-CIR05- 27-01	Improvements of road from NH-66 to Shirani, Hulibadrulli (Road ID 5441) in Karwar PIU- ADB financed.	5441	1.95
783	Karwar	Uttara Kannada	Bhatkal	ADB KPP-CIR05- 27-02	Improvements of road from Kharwa Cross to Sindoor (Road ID 2229) in Karwar PIU- ADB financed.	2229	2.21
784	Karwar	Uttara Kannada	Bhatkal	ADB KPP-CIR05- 27-01	Improvements of road from Kannadga to MDR (Road ID 5364) in Karwar PIU- ADB financed.	5364	2.08
785	Karwar	Uttara Kannada	Bhatkal	ADB KPP-CIR05- 27-02	Improvements of road from Bommanakeri to Balematha ia Mulethittlu (Road ID 5437) in Karwar PIU- ADB financed.	5437	4.43
786	Karwar	Uttara Kannada	Bhatkal	ADB KPP-CIR05-27-01	Improvements of road from Belke Mogerkeri Road (Road ID 5392) in Karwar PIU- ADB financed.	5392	1.62
787	Karwar	Uttara Kannada	Bhatkal	ADB KPP-CIR05- 27-01	Improvements of road from NH-66 to Ganjikeri, Tattimule (Road ID 5440) in Karwar PIU- ADB financed.	5440	3.30
788	Karwar	Uttara Kannada	Bhatkal	ADB KPP-CIR05-27-01	Improvements of road from Bhatkal - Sagar SH to Henjale (Road ID 5436) in Karwar PIU- ADB financed.	5436	2.50
789	Karwar	Uttara Kannada	Bhatkal	ADB KPP-CIR05-27-02	Improvements of road from Konkankeri, Upjikeri to MDR (Road ID 5369) in Karwar PIU- ADB financed.	5369	3.69
790	Karwar	Uttara Kannada	Bhatkal	ADB KPP-CIR05- 27-02	Improvements of road from NH 206 to Kulkod II (Road ID 5439) in Karwar PIU- ADB financed.	5439	1.53
791	Karwar	Uttara Kannada	Haliyal	ADB KPP-CIR05- 27-03	Improvements of road from Kudalgav to Taluk Boundary(Amshet) via Malamba (Road ID 1155) in Karwar PIU- ADB financed.	1155	9.80
792	Karwar	Uttara Kannada	Haliyal	ADB KPP-CIR05- 27-04	Improvements of road from Ammankoppa to Kumbakatti via Gadiyal (from chainage 2.8 km to 4.3km) (Road ID 2385) in Karwar PIU- ADB financed.	2385	1.50
793	Karwar	Uttara Kannada	Haliyal	ADB KPP-CIR05- 27-04	Improvements of road from SH-46 to SH-93(Kyadagikere) via Timmapur (Road ID 2621) in Karwar PIU- ADB financed.	2621	2.86
794	Karwar	Uttara Kannada	Haliyal	ADB KPP-CIR05- 27-04	Improvements of road from Rayapattan to Garadalli(MDR) (Road ID 3181) in Karwar PIU- ADB financed.	3181	3.16
795	Karwar	Uttara Kannada	Haliyal	ADB KPP-CIR05- 27-03	Improvements of road from Mingeli to Gund (Road ID 4054) in Karwar PIU- ADB financed.	4054	1.35
796	Karwar	Uttara Kannada	Haliyal	ADB KPP-CIR05-27-04	Improvements of road from Gundolly-Kalginikoppa MDR to Pura illage (Road ID 4457) in Karwar PIU- ADB financed.	4457	1.87
797	Karwar	Uttara Kannada	Haliyal	ADB KPP-CIR05- 27-03	Improvements of road from Donisigur to Badasigur ia Bommanahalli (Road ID 4460) in Karwar PIU- ADB financed.	4460	2.39
798	Karwar	Uttara Kannada	Haliyal	ADB KPP-CIR05- 27-04	Improvements of road from Haliyal Dundeli road(SH28) to Yadoga MDR via Neeralga(Road ID 1148) in Karwar PIU- ADB financed.	1148	3.46
799	Karwar	Uttara Kannada	Karwar	ADB KPP-CIR05-27-06	Improvements of road from Nayawada Khandalli Road (Road ID 358) in Karwar PIU- ADB financed.	358	2.72
800	Karwar	Uttara Kannada	Karwar	ADB KPP-CIR05- 27-05	Improvements of road from Masthkatu to Kolje in Kendige + Bridge (Road ID 422) in Karwar PIU- ADB financed.	422	2.46
801	Karwar	Uttara Kannada	Karwar	ADB KPP-CIR05-27-05	Improvements of road from Harwada to Belekeri Road(Road ID 1206) in Karwar PIU- ADB financed.	1206	4.20
802	Karwar	Uttara Kannada	Karwar	ADB KPP-CIR05- 27-05	Improvements of road from Jamgod to Goudarkeri Bolekoppa ia Khangadde(Road ID 2124) in Karwar PIU- ADB financed.	2124	2.62
803	Karwar	Uttara Kannada	Karwar	ADB KPP-CIR05- 27-05	Improvements of road from Kundalli Marakal road(Road ID 2250) in Karwar PIU- ADB financed.	2250	4.61
804	Karwar	Uttara Kannada	Karwar	ADB KPP-CIR05-27-05	Improvements of road from Mahila Mandal Edagudda Khandigadde motigudda road(Road ID 2251) in Karwar PIU- ADB financed.	2251	4.86
805	Karwar	Uttara Kannada	Karwar	ADB KPP-CIR05-27-06	Improvements of road from Makheri (SH-6) to Kadawad MDR Road (Road ID 5359) in Karwar PIU- ADB financed.	5359	3.23
806	Karwar	Uttara Kannada	Karwar	ADB KPP-CIR05- 27-06	Improvements of road from Hosali Cross to NH-66 ia Dummanshitta,Holebag (Road ID 5394) in Karwar PIU- ADB financed.	5394	1.86
807	Karwar	Uttara Kannada	Kumta	ADB KPP-CIR05- 27-08	Improvements of road from Santeagadde to khandagar MDR via hegle (Road ID 917) in Karwar PIU- ADB financed.	917	3.34
808	Karwar	Uttara Kannada	Kumta	ADB KPP-CIR05- 27-07	Improvements of road from Areangadi to Salkod Road ia kolpe, Janakeri , Anneramankeri (Road ID 1386) in Karwar PIU- ADB financed.	1386	3.64
809	Karwar	Uttara Kannada	Kumta	ADB KPP-CIR05-27-08	Improvements of road from NH -766 to Kabbargi (Road ID 2452) in Karwar PIU- ADB financed.	2452	2.28
810	Karwar	Uttara Kannada	Kumta	ADB KPP-CIR05- 27-08	Improvements of road from Santeagui to Sanna hindbail ia Hindbail (Road ID 2690) in Karwar PIU- ADB financed.	2690	2.46
811	Karwar	Uttara Kannada	Kumta	ADB KPP-CIR05- 27-07	Improvements of road from Shikar Ilkar Road ia Mudgarkeri, Mangatakankeri road (Road ID 2994) in Karwar PIU- ADB financed.	2994	2.73
812	Karwar	Uttara Kannada	Kumta	ADB KPP-CIR05- 27-07	Improvements of road from SH 48 to Kelagin Keri ia Konalli , Kengeri ,Hebble hitlu ,Dadamane Keri,Ganigar gadde (Road ID 1952) in Karwar PIU- ADB financed.	1952	2.16
813	Karwar	Uttara Kannada	Kumta	ADB KPP-CIR05- 27-07	Improvements of road from MDR Janatha colony to Holke ia muslimkeri, hooinhitlu (Road ID 2759) in Karwar PIU- ADB financed.	2759	4.27
814	Karwar	Uttara Kannada	Sirsi	ADB KPP-CIR05- 27-10	Improvements of road from Dugadimane to Halageri-Siddapur Road (Padaanabail Bhutappankatte) ia Matigar,Padaanabail (Road ID 337) in Karwar PIU- ADB financed.	337	4.08
815	Karwar	Uttara Kannada	Sirsi	ADB KPP-CIR05- 27-10	Improvements of road from Adakalli Tattikai road to Hosagadde ia Dombé,Adasar, Chhillagadde road (Road ID 555) in Karwar PIU- ADB financed.	555	4.22
816	Karwar	Uttara Kannada	Sirsi	ADB KPP-CIR05-27-09	Improvements of road from Kelagin Saale to Sirsi-Deanlli Road ia Melin Saale(Road ID 959) in Karwar PIU- ADB financed.	959	3.50
817	Karwar	Uttara Kannada	Sirsi	ADB KPP-CIR05- 27-09	Improvements of road from Kakkalli, analli, Sarnagadde, Sonagimane road (Road ID 1927) in Karwar PIU- ADB financed.	1927	6.56
818	Karwar	Uttara Kannada	Sirsi	ADB KPP-CIR05- 27-09	Improvements of road from Sirsi-Dodnalli road to Sirsi-Husari road ia Byagadde, Melina Byagadde (Road ID 1928) in Karwar PIU- ADB financed.	1928	4.69
819	Karwar	Uttara Kannada	Sirsi	ADB KPP-CIR05- 27-09	Improvements of road from Malenalli to T-08 (Belate to Sirsi yallapur road ia malenalli) (Road ID 3254) in Karwar PIU- ADB financed.	3254	5.04
820	Karwar	Uttara Kannada	Yellapur	ADB KPP-CIR05-27-11	Improvements of road from Halasikoppa to SH93(Kukkar) (Road ID 549) in Karwar PIU- ADB financed.	549	4.43
821	Karwar	Uttara Kannada	Yellapur	ADB KPP-CIR05- 27-12	Improvements of road from Somapur to Jayantnagar(NH52). (Road ID 595) in Karwar PIU- ADB financed.	595	2.72
822	Karwar	Uttara Kannada	Yellapur	ADB KPP-CIR05- 27-11	Improvements of road from Bedebhakal halagad road joining MDR. (Road ID 1006) in Karwar PIU- ADB financed.	1006	2.93
823	Karwar	Uttara Kannada	Yellapur	ADB KPP-CIR05- 27-12	Improvements of road from Basapura to Pedar omi ia Nandikatta,Ramapur (Road ID 1520) in Karwar PIU- ADB financed.	1520	4.13
824	Karwar	Uttara Kannada	Yellapur	ADB KPP-CIR05-27-12	Improvements of road from Humagunda to Attieri Doddi ia Attieri, Goularadaddi (Road ID 1521) in Karwar PIU- ADB financed.	1521	4.80
825	Karwar	Uttara Kannada	Yellapur	ADB KPP-CIR05-27-11	Improvements of road from Premnagar(kirvatti) to Mangyantaageri (Road ID 1860) in Karwar PIU- ADB financed.	1860	4.03
826	Ballari	Vijayanagara	Kudligi	ADB-KPP-CIR03-31-09	Improvements to road from Arodi to SH02 (Road ID 3425) in Ballari PIU- ADB financed.	3425	3.42

827	Ballari	Vijayanagara	Kudligi	ADB-KPP-CIR03-31-09	Improvements to road from Siddapura to Jummobanahalli-Hosahalli Road (Road ID 3440) in Ballari PIU - ADB financed.	3440	3.48
828	Ballari	Vijayanagara	Kudligi	ADB-KPP-CIR03-31-09	Improvements to road from NH50 to MDR via Boragatti (Road ID 3442) in Ballari PIU - ADB financed.	3442	2.43
829	Ballari	Vijayanagara	Vijayanagara	ADB-KPP-CIR03-31-10	Improvements to road from Nallapura to upparahalli via HLC (Road ID 4997) in Ballari PIU - ADB financed.	4997	5.33
830	Ballari	Vijayanagara	Vijayanagara	ADB-KPP-CIR03-31-10	Improvements to road from Gundlavaddigeri to Papinayakanahalli village (Road ID 5385) in Ballari PIU - ADB financed.	5385	4.50
831	Vijayapura	Vijayapura	Nagthan	ADB-KPP-CIR02-07-17	Improvements of road from Umarja to Bandarakoti (Road ID 5052) in Vijayapura PIU- ADB financed.	5052	2.20
832	Bagalkot	Bagalkot	Badami	ADB-KPP-CIR02-01-02	Improvements of road from Neelagund to Join Karadigudda MDR (Road ID- 125) in Bagalkot PIU- ADB financed. (Road ID 125) in Bagalkot PIU- ADB financed.	125	3.16
833	Bagalkot	Bagalkot	Badami	ADB-KPP-CIR02-01-02	Improvements of road from Yargoppa SB to Shivapura MDR (Road ID 131) in Bagalkot PIU- ADB financed.	131	3.15
834	Bagalkot	Bagalkot	Badami	ADB-KPP-CIR02-01-02	Improvements of road from Paruti to join Gulledagudda Pattadakallu MDR (Road ID 141) in Bagalkot PIU- ADB financed.	141	3.15
835	Bagalkot	Bagalkot	Bagalkot	ADB-KPP-CIR02-01-05	Improvements of road from Bodanayakanadimi to Nagara Upto T-02 (Road ID 44) in Bagalkot PIU- ADB financed.	44	5.48
836	Bagalkot	Bagalkot	Bagalkot	ADB-KPP-CIR02-01-05	Improvements of road from Bhairmatti to Join T-05 (Road ID 49) in Bagalkot PIU- ADB financed.	49	3.19
837	Bagalkot	Bagalkot	Bagalkot	ADB-KPP-CIR02-01-05	Improvements of road from Bevnal to T-04 (Road ID 132) in Bagalkot PIU- ADB financed.	132	3.58
838	Bagalkot	Bagalkot	Bagalkot	ADB-KPP-CIR02-01-05	Improvements of road from Gundanapalli RC to Shirur (Road ID 4063) in Bagalkot PIU- ADB financed.	4063	3.49
839	Bagalkot	Bagalkot	Bilgi	ADB-KPP-CIR02-01-06	Improvements of road from Teggi to Ballur Shed (Inam Hanchinal) Road (Road ID 2106) in Bagalkot PIU- ADB financed.	2106	3.45
840	Bagalkot	Bagalkot	Bilgi	ADB-KPP-CIR02-01-06	Improvements of road from Jalageri Tirtha Basaveshwar temple to Malagi Jalageri LTI junction via Jalageri (Road ID 4648) in Bagalkot PIU- ADB financed.	4648	3.25
841	Bagalkot	Bagalkot	Bilgi	ADB-KPP-CIR02-01-06	Improvements of road from Hoolageri to Join SH via Ganganabudihah (Road ID 117) in Bagalkot PIU- ADB financed.	117	5.34
842	Bagalkot	Bagalkot	Hungund	ADB-KPP-CIR02-01-12	Improvements of road from Hadagali To Timmapur (Road ID 3393) in Bagalkot PIU- ADB financed.	3393	5.23
843	Bagalkot	Bagalkot	Hungund	ADB-KPP-CIR02-01-12	Improvements of road from NH 51 To join Nidasanur Via Amaravati Binjawadagi Gattiganur (Road ID 2265) in Bagalkot PIU- ADB financed.	2265	10.49
844	Bagalkot	Bagalkot	Jamkhandi	ADB-KPP-CIR02-01-14	Improvements of road from Hirepadasali to Chikkapadasalagi-Adihudi Cross MDR via Kamble vasti road (Road ID 1372) in Bagalkot PIU- ADB financed.	1372	5.15
845	Bagalkot	Bagalkot	Mudhol	ADB-KPP-CIR02-01-16	Improvements of road from Shirul To Join SH 34 (Road ID 3313) in Bagalkot PIU- ADB financed.	3313	3.24
846	Bagalkot	Bagalkot	Mudhol	ADB-KPP-CIR02-01-16	Improvements of road from Ontagodi Murji Road to TQ Border Via Ontagodi RC (Road ID 4744) in Bagalkot PIU- ADB financed.	4744	2.82
847	Bagalkot	Bagalkot	Mudhol	ADB-KPP-CIR02-01-16	Improvements of road from Yadahalli to Kamata Road (Road ID 1972) in Bagalkot PIU- ADB financed.	1972	6.19
848	Bagalkot	Bagalkot	Terdal	ADB-KPP-CIR02-01-18	Improvements of road from Chimmad to Handigund Road Upto TQ Border (Road ID 2337) in Bagalkot PIU- ADB financed.	2337	4.14
849	Bagalkot	Bagalkot	Terdal	ADB-KPP-CIR02-01-18	Improvements of road from Halingali to join koligudda road (Road ID 4606) in Bagalkot PIU- ADB financed.	4606	2.14
850	Bagalkot	Bagalkot	Terdal	ADB-KPP-CIR02-01-18	Improvements of road from Kulahalli-Jamkhandi inside road to join Bandigani cross road (Road ID 5183) in Bagalkot PIU- ADB financed.	5183	2.29
851	Ballari	Ballari	Bellary	ADB-KPP-CIR03-05-06	Improvements to road from Old Yerragudi to Ballari-Adoni main road (Road ID- 351) in Ballari PIU - ADB Financed	351	2.91
852	Ballari	Ballari	Bellary	ADB-KPP-CIR03-05-06	Improvements to road from Ballari adoni main road to gonai (Road ID- 660) in Ballari PIU - ADB Financed	660	2.88
853	Ballari	Ballari	Bellary	ADB-KPP-CIR03-05-06	Improvements to road from Tolamamidi to rupangudi main road (Road ID- 700) in Ballari PIU - ADB Financed	700	2.45
854	Ballari	Ballari	Bellary	ADB-KPP-CIR03-05-06	Improvements to road from Hosa Masidipura to korlagundi (Road ID- 808) in Ballari PIU - ADB Financed	808	5.14
855	Ballari	Ballari	Bellary	ADB-KPP-CIR03-05-06	Improvements to road from Golla Nagenahalli to Byalchinta karekal MDR (Road ID- 5252) in Ballari PIU - ADB Financed	5252	2.84
856	Ballari	Ballari	Bellary City	ADB-KPP-CIR03-05-07	Improvements to road from Vakrani Camp to Batri canal road (ch 0.00 to 2.53 km) in Ballari city Constituency (Road ID- 4745) in Ballari PIU - ADB Financed	4745	2.52
857	Ballari	Ballari	Bellary City	ADB-KPP-CIR03-05-07	Improvements to road from ballari - Kolagal MDR to Allipur- Kolagal MDR (ch: 0.00 to 3.86km) Runs on distributory RBHLC in Ballari city constituency (Road ID- 4756) in Ballari PIU - ADB Financed	4756	3.85
858	Ballari	Ballari	Bellary City	ADB-KPP-CIR03-05-07	Improvements to road from Thirumalanagar B Camp to Bisihalli NH (ch:0.00 to 2.49 km) in Ballari city constituency (Road ID- 4757) in Ballari PIU - ADB Financed	4757	2.48
859	Ballari	Ballari	Bellary City	ADB-KPP-CIR03-05-07	Improvements to road from Thirumalanagar B Camp to K.Bevinahalli - Shankarabanda MDR (ch:0.00 to 2.88 km) in Ballari city constituency (Road ID- 4758) in Ballari PIU - ADB Financed	4758	2.86
860	Ballari	Ballari	Bellary City	ADB-KPP-CIR03-05-07	Improvements to road from Thirumalanagar B Camp SH128 to join Imbrahimpura MDR (Ch:0.00 to 2.01 km) (Road ID- 4759) in Ballari PIU - ADB Financed	4759	2.01
861	Ballari	Ballari	Bellary City	ADB-KPP-CIR03-05-07	Improvements to road from Hanuman Nagar to Ballari bypass via Patrabudihal (ch: 0.00 to 2.32 km) in Ballari city Constituency (Road ID- 4842) in Ballari PIU - ADB Financed	4842	2.33
862	Ballari	Ballari	Kampli	ADB-KPP-CIR03-05-08	Improvements to road from VADHATTI CROSS TO VADHATTI (Road ID- 3257) in Ballari PIU - ADB Financed	3257	2.81
863	Ballari	Ballari	Kampli	ADB-KPP-CIR03-05-08	Improvements to road from Yemmiganuru to guttiganuru (Road ID- 3270) in Ballari PIU - ADB Financed	3270	7.64
864	Ballari	Ballari	Kampli	ADB-KPP-CIR-03-05-08	Improvements to road from Jalibenchu to Korlagundi (Road ID- 5479) in Ballari PIU - ADB Financed	5479	2.80
865	Ballari	Ballari	Sandur	ADB-KPP-CIR03-05-09	Improvements to road from Gollalingamanahalli to bommalagunda (Road ID- 5019) in Ballari PIU - ADB Financed	5019	3.30
866	Ballari	Ballari	Siraguppa	ADB-KPP-CIR03-05-10	Improvements to road from Kuriganur to Mattesugur (Road ID- 913) in Ballari PIU - ADB Financed	913	3.75
867	Ballari	Ballari	Siraguppa	ADB-KPP-CIR03-05-10	Improvements to road from Karur to Kuriganur (Road ID- 925) in Ballari PIU - ADB Financed	925	4.97
868	Ballari	Ballari	Siraguppa	ADB-KPP-CIR03-05-10	Improvements to road from Basavanna camp to Ibrahimpur (Road ID- 892) in Ballari PIU - ADB Financed	892	3.12
869	Bangalore rural	Bangalore rural	Devanahalli	ADB-KPP-CIR01-02-02	Improvements of road from CTR Road to Taluk Border via Alur Duddanahally, Sunnagatta, Bannimangala (Road ID 1707) in Bengaluru Rural PIU- ADB financed.	1707	7.50
870	Bangalore rural	Bangalore rural	Devanahalli	ADB-KPP-CIR01-02-02	Improvements of road from Melekote MDR to SH-74 via Channapura, Seegehalli, Heggadihal (Road ID 3834) in Bengaluru Rural PIU- ADB financed.	3834	2.90

871	Bangalore rural	Bangalore rural	Devanahalli	ADB-KPP-CIR01-02-04	Improvements of road from IVC Road to Devanahalli-Doddaballapura Road via Thimmegowdana Hosahalli, Kempa Lingapura, Bommaru, Sundareshwaranagra. (Road ID 5485) in Bengaluru Rural PIU- ADB financed.	5485	5.00
872	Bangalore rural	Bangalore rural	Devanahalli	ADB-KPP-CIR01-02-04	Improvements of road from Dandiganahally MDR to Ranganathapura palyagara via Doddamuddenahalli, Rodali , Godlu muddenahalli (Road ID 1465) in Bengaluru Rural PIU- ADB financed.	1465	4.56
873	Bangalore rural	Bangalore rural	Devanahalli	ADB-KPP-CIR01-02-02	Improvements of road from Lakshmidvipura Road to Tubagere MDR via Timmejanahalli, Naraganahalli (Road ID 5506) in Bengaluru Rural PIU- ADB financed.	5506	2.18
874	Bangalore rural	Bangalore rural	Doddaballapur	ADB-KPP-CIR01-02-06	Improvements of road from NH 648 to Bhaktrahalli, via Kestur, Basappapalya, Shravanura, Chikkanahalli (Road ID 4597) in Bengaluru Rural PIU- ADB financed.	4597	7.10
875	Bangalore rural	Bangalore rural	Doddaballapur	ADB-KPP-CIR01-02-06	Improvements of road from S. Gollahalli MDR to Chennaveeranahalli MDR via Sankarasanahalli, Thambenahalli, Nagalapura, Kadalappanahalli (Road ID 2143) in Bengaluru Rural PIU- ADB financed.	2143	5.30
876	Bangalore rural	Bangalore rural	Hosakote	ADB-KPP-CIR01-02-07	Improvements of road from NH-207 to Kamblipura via., Vabasandra, Sonnahalipura, Kempapura (Road ID 1718) in Bengaluru Rural PIU- ADB financed.	1718	4.66
877	Bangalore rural	Bangalore rural	Hosakote	ADB-KPP-CIR01-02-07	Improvements of road from SH-96 to Attivatta road via., Haralur, Soluru (Road ID 3909) in Bengaluru Rural PIU- ADB financed.	3909	2.40
878	Bangalore rural	Bangalore rural	Hosakote	ADB-KPP-CIR01-02-07	Improvements of road from NH-207 Doddadunnasandra to Muthukuru MDR (Road ID 4589) in Bengaluru Rural PIU- ADB financed.	4589	2.25
879	Bangalore rural	Bangalore rural	Nelamangala	ADB-KPP-CIR01-02-10	Improvements of road from Sondekoppa MDR (Gerahalli Gate) to Guruvanahalli Road via Mantanakurki, Huchappanapalya, Kulumeckempalinganahalli colony, Gorinable Colony (Road ID 5511) in Bengaluru (Rural) PIU- ADB financed.	5511	4.00
880	Bangalore rural	Bangalore rural	Nelamangala	ADB-KPP-CIR01-02-10	Improvements of road from Taluk border(Sondekoppa) to Thimmegowdanapalya Gate Via Bolamaranahalli. (Road ID 5513) in Bengaluru (Rural) PIU- ADB financed.	5513	2.70
881	Bangalore rural	Bangalore rural	Nelamangala	ADB-KPP-CIR01-02-11	Improvements of road from Thymagondalu-Marohalli MDR to Baradi MDR via Byranahalli, Vardanayakanahalli (Road ID 5514) in Bengaluru (Rural) PIU- ADB financed.	5514	4.60
882	Bangalore rural	Bangalore rural	Nelamangala	ADB-KPP-CIR01-02-11	Improvements of road from Thymagondalu-Hosahalli MDR to Bharathinagara border via Hosahalli, C.T Palya circle, C.T palya colony Vardanayakanahalli (Road ID 5515) in Bengaluru (Rural) PIU- ADB financed.	5515	3.25
883	Bangalore rural	Bangalore rural	Nelamangala	ADB-KPP-CIR01-02-10	Improvements of road from NH-48(Thonachinakuppe) to Yaramanchanahalli (Road ID 5516) in Bengaluru (Rural) PIU- ADB financed.	5516	2.00
884	Bangalore rural	Bangalore rural	Nelamangala	ADB-KPP-CIR01-02-12	Improvements of road from NH-75 to Gollahalli MDR via Chikkasolur , Chikkasolur colony, Bydarahalli. (Road ID 5517) in Bengaluru (Rural) PIU- ADB financed.	5517	3.50
885	Bangalore rural	Bangalore rural	Nelamangala	ADB-KPP-CIR01-02-12	Improvements of road from Narasapura Main Road (Hemapura Gate) to Arebommanahalli via Hemapura (Road ID 5518) in Bengaluru (Rural) PIU- ADB financed.	5518	3.50
886	Bangalore rural	Bangalore rural	Nelamangala	ADB-KPP-CIR01-02-12	Improvements of road from Shivagange MDR to Narsapura MDR via Parvathianapalya, Kannasandra, Venkataiahnapalya, chikkanahalli, Vaderahalli (Road ID 5519) in Bengaluru (Rural) PIU- ADB financed.	5519	5.50
887	Bangalore rural	Bangalore rural	Nelamangala	ADB-KPP-CIR01-02-10	Improvements of road from NH-4 to Tyamagondlu MDR Via Indiranagara , Hanumathapura,Anantapura , Kodipalya (Road ID 3685) in Bengaluru (Rural) PIU- ADB financed.	3685	3.70
888	Bangalore rural	Bangalore rural	Nelamangala	ADB-KPP-CIR01-02-12	Improvements of road from Shivagange MDR to Vccrapura Via Palanahalli (Road ID 5523) in Bengaluru (Rural) PIU- ADB financed.	5523	2.00
889	Gokak	Belagavi	Arabhavi	ADB-KPP-CIR02-04-02	Improvements of road from Nagnur to Mudalgi road (Road ID 4832) in Gokak PIU- ADB financed.	4832	4.50
890	Belagavi	Belagavi	Athani	ADB-KPP-CIR02-04-34	Improvements of road from Janwad to Mahishwadagi (Road ID 3699) in Belagavi PIU- ADB financed.	3699	4.92
891	Belagavi	Belagavi	Athani	ADB-KPP-CIR02-04-34	Improvements of road fromKokatanur to NH-548B via Khotanatti (Road ID 2185) in Belagavi PIU- ADB financed.	2185	4.99
892	Gokak	Belagavi	Bailahongal	ADB-KPP-CIR02-04-04	Improvements of road from Markumbi to Inchal road (Road ID 5347) in Gokak PIU- ADB financed.	5347	5.84
893	Belagavi	Belagavi	Belgaum Dakshin	ADB-KPP-CIR02-04-26	Improvements of road from Vadagaon Mahaveer nagar To Rajhamsagad (Road ID 1793) in Belagavi PIU- ADB financed.	1793	2.10
894	Belagavi	Belagavi	Belgaum Dakshin	ADB-KPP-CIR02-04-26	Improvements of road from Kalmeshwar Nagar To June Belagavi (Road ID 1842) in Belagavi PIU- ADB financed.	1842	3.50
895	Belagavi	Belagavi	Belgaum Uttar	ADB-KPP-CIR02-04-28	Improvements of road from Kalkhamb To Railway line (Sambra Rly Stn) (Road ID 5429) in Belagavi PIU- ADB financed.	5429	1.80
896	Belagavi	Belagavi	Belgaum Uttar	ADB-KPP-CIR02-04-28	Improvements of road from SH to Railway Line (Gandhi Nagar) (Road ID 5381) in Belagavi PIU- ADB financed.	5381	0.54
897	Belagavi	Belagavi	Belgaum Uttar	ADB-KPP-CIR02-04-28	Improvements of road from Hosur to Bypass road (NH 4 to Samarth Nagar) (Road ID 5380) in Belagavi PIU- ADB financed.	5380	1.05
898	Belagavi	Belagavi	Belgaum Uttar	ADB-KPP-CIR02-04-28	Improvements of road from SH (Kalkhamb) to Field Road upto Settling Tank (Road ID 5432) in Belagavi PIU- ADB financed.	5432	0.60
899	Belagavi	Belagavi	Belgaum Uttar	ADB-KPP-CIR02-04-28	Improvements of road from NH-4 to Alarwad Road (Road ID 5435) in Belagavi PIU- ADB financed.	5435	2.46
900	Belagavi	Belagavi	Chikkodi-Sadalga	ADB-KPP-CIR02-04-32	Improvements of road from Hasa Yedur to Join Chandur-Chandur Tek Road via Chavan vasti (Road ID 4733) in Belagavi PIU- ADB financed.	4733	3.69
901	Belagavi	Belagavi	Chikkodi-Sadalga	ADB-KPP-CIR02-04-32	Improvements of road from Chandur to Yadurwadi up to Laxmi temple (Road ID 4768) in Belagavi PIU- ADB financed.	4768	2.49
902	Belagavi	Belagavi	Chikkodi-Sadalga	ADB-KPP-CIR02-04-32	Improvements of road from Kerur Bana to Chikodi-Jodakurali Road via Khinnavar, Patil vasti (Road ID 1694) in Belagavi PIU- ADB financed.	1694	5.00
903	Belagavi	Belagavi	Chikkodi-Sadalga	ADB-KPP-CIR02-04-32	Improvements of road from Nainglaj to Romanale vasti via Lake (Road ID 4727) in Belagavi PIU- ADB financed.	4727	3.49
904	Belagavi	Belagavi	Kagwad	ADB-KPP-CIR02-04-35	Improvements of road from Jakaratti to Madabhavi via Vishnuwadi (Road ID 2126) in Belagavi PIU- ADB financed.	2126	5.33
905	Belagavi	Belagavi	Kagwad	ADB-KPP-CIR02-04-35	Improvements of road from Gundewadi to Bevanur via Laxmiwadi (Road ID 3563) in Belagavi PIU- ADB financed.	3563	5.46
906	Belagavi	Belagavi	Kagwad	ADB-KPP-CIR02-04-35	Improvements of road from Balligeri to Sindhur(State Border) via Bangyankhodi (Road ID 3659) in Belagavi PIU- ADB financed.	3659	6.45
907	Belagavi	Belagavi	Khanapur	ADB-KPP-CIR02-04-29	Improvements of road from Gastolli to Join SH 93 Belagavi-sirsi road (Road ID 1740) in Belagavi PIU- ADB financed.	1740	2.78
908	Gokak	Belagavi	Kittur	ADB-KPP-CIR02-04-08	Improvements of road from Giriyal KS to Navalgatti road (Road ID 4813) in Gokak PIU- ADB financed.	4813	2.93
909	Gokak	Belagavi	Kittur	ADB-KPP-CIR02-04-08	Improvements of road from MDR-Kittur-Tigadolli Road to Jambi upto Khanapur Taluk Border road (Road ID 4810) in Gokak PIU- ADB financed.	4810	2.55

910	Gokak	Belagavi	Kittur	ADB-KPP-CIR02-04-08	Improvements of road from Dasitikoppa (Bandamma gudi) to kadroli (Road ID 4830) in Gokak PIU- ADB financed.	4830	4.05
911	Gokak	Belagavi	Kittur	ADB-KPP-CIR02-04-08	Improvements of road from Hunshikatti to M.K. Hubli road (Road ID 5447) in Gokak PIU- ADB financed.	5447	2.86
912	Belagavi	Belagavi	Kudachi	ADB-KPP-CIR02-04-37	Improvements of road from Hidakal to MDR (Raibag-Harugeri) via Ghandi Nagar (Road ID 1813) in Belagavi PIU- ADB financed.	1813	4.66
913	Belagavi	Belagavi	Kudachi	ADB-KPP-CIR02-04-37	Improvements of road from Suttati cross (SH-53) To Siddapur via Paramanandwadi, Khemalapur (Road ID 3452) in Belagavi PIU- ADB financed.	3452	7.39
914	Belagavi	Belagavi	Kudachi	ADB-KPP-CIR02-04-37	Improvements of road from Morab To Marki Tota (Road ID 2100) in Belagavi PIU- ADB financed.	2100	3.51
915	Belagavi	Belagavi	Nippani	ADB-KPP-CIR02-04-33	Improvements of road from Pangeri B to Shendur Killedar vasti via Shendur (Road ID 1702) in Belagavi PIU- ADB financed.	1702	5.78
916	Belagavi	Belagavi	Nippani	ADB-KPP-CIR02-04-33	Improvements of road from Nagalur Ambabai Mandir to SH via Barabai vasti (Road ID 2425) in Belagavi PIU- ADB financed.	2425	3.00
917	Gokak	Belagavi	Ramdurg	ADB-KPP-CIR02-04-10	Improvements of road from Kallur to Kittur road (Road ID 5128) in Gokak PIU- ADB financed.	5128	5.90
918	Gokak	Belagavi	Ramdurg	ADB-KPP-CIR02-04-10	Improvements of road from Kittur to Benakankoppa (Chicknargund) upto Tq border (Road ID 5266) in Gokak PIU- ADB financed.	5266	4.75
919	Gokak	Belagavi	Ramdurg	ADB-KPP-CIR02-04-10	Improvements of road from Hulkund to Kurnal road (Road ID 5123) in Gokak PIU- ADB financed.	5123	3.90
920	Gokak	Belagavi	Ramdurg	ADB-KPP-CIR02-04-10	Improvements of road from Gudigoppa to lmal road (Road ID 5126) in Gokak PIU- ADB financed.	5126	2.69
921	Belagavi	Belagavi	Raybag	ADB-KPP-CIR02-04-36	Improvements of road from Kabbur to Belagali via Sirikodi (Road ID 2383) in Belagavi PIU- ADB financed.	2383	5.10
922	Belagavi	Belagavi	Raybag	ADB-KPP-CIR02-04-36	Improvements of road from Nasalapur to Bavan Savadatti (Road ID 4787) in Belagavi PIU- ADB financed.	4787	2.96
923	Belagavi	Belagavi	Raybag	ADB-KPP-CIR02-04-36	Improvements of road from Vijaynagar to Kabbur (Road ID 2575) in Belagavi PIU- ADB financed.	2575	2.69
924	Gokak	Belagavi	Saundatti Yellamma	ADB-KPP-CIR02-04-12	Improvements of road from Dasanal to Hirekoppa upto TQB (Road ID 5170) in Gokak PIU- ADB financed.	5170	3.00
925	Gokak	Belagavi	Saundatti Yellamma	ADB-KPP-CIR02-04-12	Improvements of road from Bandamma temple (Ugargol) to Join Hooli - Chikkumbi road (Road ID 5171) in Gokak PIU- ADB financed.	5171	4.18
926	Gokak	Belagavi	Saundatti Yellamma	ADB-KPP-CIR02-04-12	Improvements of road from Tegghal to Tegghal maddi road (Road ID 5147) in Gokak PIU- ADB financed.	5147	3.06
927	Gokak	Belagavi	Saundatti Yellamma	ADB-KPP-CIR02-04-12	Improvements of road from Sopadla to Sopadla tota road (Road ID 5148) in Gokak PIU- ADB financed.	5148	1.67
928	Belagavi	Belagavi	Yemkanamard i	ADB-KPP-CIR02-04-31	Improvements of road from Indira Nagar to T09 Road (Road ID 1826) in Belagavi PIU- ADB financed.	1826	1.12
929	Belagavi	Belagavi	Yemkanamard i	ADB-KPP-CIR02-04-31	Improvements of road from SH To Modaga To Salamawadi road (Road ID 5349) in Belagavi PIU- ADB financed.	5349	2.51
930	Belagavi	Belgaum	Belgaum Dakshin	ADB-KPP-CIR02-04-26	Improvements of road from Devagoudanahatti to Avacharatti via Yarmale (Road ID 5316) in Belagavi PIU- ADB financed.	5316	2.70
931	Belagavi	Belgaum	Belgaum Dakshin	ADB-KPP-CIR02-04-26	Improvements of road from Improvements to Yellur to Railway line (Road ID 5510) in Belagavi PIU- ADB financed.	5510	2.00
932	Belagavi	Belgaum	Belgaum Rural	ADB-KPP-CIR02-04-27	Improvements of road from Mannur To Join Guddadevi - Agasaga Road (Road ID 4820) in Belagavi PIU- ADB financed.	4820	4.03
933	Belagavi	Belgaum	Belgaum Rural	ADB-KPP-CIR02-04-27	Improvements of road from Bassapur to MDR via Hullikatti approched road (Road ID 5376) in Belagavi PIU- ADB financed.	5376	1.52
934	Belagavi	Belgaum	Belgaum Rural	ADB-KPP-CIR02-04-27	Improvements of road from Hullikatti to SH link road (Road ID 5501) in Belagavi PIU- ADB financed.	5501	1.20
935	Belagavi	Belgaum	Belgaum Rural	ADB-KPP-CIR02-04-27	Improvements of road from Kundaskoppa to NH4 (Road ID 5377) in Belagavi PIU- ADB financed.	5377	0.88
936	Belagavi	Belgaum	Belgaum Rural	ADB-KPP-CIR02-04-27	Improvements of road from Mutnal to NH via Hirebagewadi APMC to Bhendegeri App road (Road ID 5378) in Belagavi PIU- ADB financed.	5378	3.91
937	Belagavi	Belgaum	Belgaum Rural	ADB-KPP-CIR02-04-27	Improvements of road from Badas KH to Bidarbhavi road (Road ID 5467) in Belagavi PIU- ADB financed.	5467	3.30
938	Belagavi	Belgaum	Belgaum Rural	ADB-KPP-CIR02-04-27	Improvements of road from Honnihal to Modaga main road (Road ID 5499) in Belagavi PIU- ADB financed.	5499	2.80
939	Belagavi	Belgaum	Belgaum Rural	ADB-KPP-CIR02-04-27	Improvements of road from Sambra to Aste (Road ID 2029) in Belagavi PIU- ADB financed.	2029	1.80
940	Belagavi	Belgaum	Belgaum Uttar	ADB-KPP-CIR02-04-28	Improvements of road from Devaraj ars colony link road (VRL)to NH4 (Road ID 4823) in Belagavi PIU- ADB financed.	4823	2.20
941	Belagavi	Belgaum	Belgaum Uttar	ADB-KPP-CIR02-04-28	Improvements of road from Basvan kudachi to NH4 via Devaraj Ars colony (Road ID 4824) in Belagavi PIU- ADB financed.	4824	2.77
942	Belagavi	Belgaum	Belgaum Uttar	ADB-KPP-CIR02-04-28	Improvements of road from Basavan Kudachi to Nilaji (Road ID 20) in Belagavi PIU- ADB financed.	20	2.36
943	Belagavi	Belgaum	Hukkeri	ADB-KPP-CIR02-04-30	Improvements of road from Bugatialur to shendur via Rashing (Road ID 21) in Belagavi PIU- ADB financed.	21	2.26
944	Belagavi	Belgaum	Hukkeri	ADB-KPP-CIR02-04-30	Improvements of road from Honnihal to Maharashtra Border via Maradi Tota (Road ID 5502) in Belagavi PIU- ADB financed.	5502	1.80
945	Gokak	Belgavi	Arabhavi	ADB-KPP-CIR02-04-02	Improvements of road from Tokaratti to Laxmeshwar Honakuppi main road (Road ID 5444) in Gokak PIU- ADB financed.	5444	4.28
946	Gokak	Belgavi	Arabhavi	ADB-KPP-CIR02-04-02	Improvements of road from Waderhatti to Hunshyal PG new road (Road ID 5445) in Gokak PIU- ADB financed.	5445	2.03
947	Gokak	Belgavi	Bailahongal	ADB-KPP-CIR02-04-04	Improvements of road from Govankoppa to Gudkatti road. (Road ID 5489) in Gokak PIU- ADB financed.	5489	2.04
948	Gokak	Belgavi	Bailahongal	ADB-KPP-CIR02-04-04	Improvements of road from SH Road Murgod to Harugoppa MDR Road (Road ID 5484) in Gokak PIU- ADB financed.	5484	5.66
949	Gokak	Belgavi	Gokak	ADB-KPP-CIR02-04-06	Improvements of road from Maladinni to Dundanatti road via maldinni highschool. (Road ID 5352) in Gokak PIU- ADB financed.	5352	2.00
950	Gokak	Belgavi	Gokak	ADB-KPP-CIR02-04-06	Improvements of road from Maladinni to join Upparatti Melawanki road (Road ID 5403) in Gokak PIU- ADB financed.	5403	3.18
951	Gokak	Belgavi	Gokak	ADB-KPP-CIR02-04-06	Improvements of road from Maladinni to Adibhatti Basavanagar road (Road ID 5404) in Gokak PIU- ADB financed.	5404	3.58
952	Gokak	Belgavi	Gokak	ADB-KPP-CIR02-04-06	Improvements of road from M. Shivapur to Akkiagar road upto TQB. (Road ID 5353) in Gokak PIU- ADB financed.	5353	2.10
953	Gokak	Belgavi	Gokak	ADB-KPP-CIR02-04-06	Improvements of road from Benchinnaradi to Basava nagar road (Road ID 5354) in Gokak PIU- ADB financed.	5354	2.03
954	Gokak	Belgavi	Kittur	ADB-KPP-CIR02-04-08	Improvements of road from Hannikeri to Join Tigadi road (Road ID 5446) in Gokak PIU- ADB financed.	5446	6.15
955	Bengaluru (Urban)	Bengaluru (Urban)	Anekal	ADB-KPP-CIR01-03-07	Improvements of road from SH-35 (Attibele- Anekal Main road) to SH-85 Kelamngalam (TVS)Road via Bhaktipura Dasanapura (Road ID 4067) in Bengaluru (Urban) PIU- ADB financed.	4067	2.88
956	Bengaluru (Urban)	Bengaluru (Urban)	Anekal	ADB-KPP-CIR01-03-07	Improvements of road from Gowrenahalli to MDR via Siddanapalya (Road ID 4145) in Bengaluru (Urban) PIU- ADB financed.	4145	3.25

957	Bengaluru (Urban)	Bengaluru (Urban)	Anekal	ADB-KPP-CIR01-03-07	Improvements of road from Sunawara gate to Muthyala Maduvu (Road ID 5176) in Bengaluru (Urban) PIU- ADB financed.	5176	3.18
958	Bengaluru (Urban)	Bengaluru (Urban)	Anekal	ADB-KPP-CIR01-03-07	Improvements of road from Chandapura-Anekal(MDR) Road to SH-87 via Soppanhalli Kumbaranahalli (Road ID 650) in Bengaluru (Urban) PIU- ADB financed.	650	5.25
959	Bengaluru (Urban)	Bengaluru (Urban)	Yelahanka	ADB-KPP-CIR01-03-05	Improvements of road from NRUTHYA GRAMA TO GUDDADAHALLI MAIN ROAD (Road ID 708) in Bengaluru (Urban) PIU- ADB financed.	708	2.06
960	Bengaluru (Urban)	Bengaluru (Urban)	Yelahanka	ADB-KPP-CIR01-03-05	Improvements of road from BYRAPURA TO KAKOLU (Road ID 712) in Bengaluru (Urban) PIU- ADB financed.	712	2.40
961	Bengaluru (Urban)	Bengaluru (Urban)	Yeshwanthapura	ADB-KPP-CIR01-03-06	Improvements of road from SH-85 (MAGADI MAIN ROAD) TO BANGALORE SOUTH BORDER VIA HONNAGAHATTI (Road ID 3044) in Bengaluru (Urban) PIU- ADB financed.	3044	1.73
962	Bengaluru (Urban)	Bengaluru (Urban)	Yeshwanthapura	ADB-KPP-CIR01-03-06	Improvements of road from KUDUSIDDANAPALYA MAIN ROAD TO PEDDANAPALYA MAIN ROAD VIA PURADAPALYA VILLAGE (Road ID 4219) in Bengaluru (Urban) PIU- ADB financed.	4219	2.27
963	Bengaluru (Urban)	Bengaluru (Urban)	Yeshwanthapura	ADB-KPP-CIR01-03-06	Improvements of road from Kanakapura Main Road (NH- 948) to Nettigere Main Road via Sommanahalli Road (Road ID 4269) in Bengaluru (Urban) PIU- ADB financed.	4269	2.58
964	Bidar	Bidar	Aurad	ADB-KPP-CIR06-06-07	Improvements to Road from Belkoni (BH) to SH 122 via Bopalgad malegaonImprovements of road from Belkoni (BH) to SH 122 via Bopalgad malegaon (Road ID 2276) in Bidar PIU- ADB financed.	2276	3.92
965	Bidar	Bidar	Aurad	ADB-KPP-CIR06-06-07	Improvements to Road from Nagmarpalli to Chintaki Via RaipalliImprovements of road from Nagmarpalli to Chintaki Via Raipalli (Road ID 3342) in Bidar PIU- ADB financed.	3342	7.59
966	Bidar	Bidar	Basavakalyan	ADB-KPP-CIR06-06-08	Improvements to Road from Hirnagaon to Chiknagaon via Banjara TandamImprovements of road from Hirnagaon to Chiknagaon via Banjara Tanda (Road ID 563) in Bidar PIU- ADB financed.	563	5.30
967	Bidar	Bidar	Basavakalyan	ADB-KPP-CIR06-06-08	Improvements to Road from Kita Cross to Basavakalyan (Rural Police Station Basavakalyan)Improvements of road from Kita Cross to Basavakalyan (Rural Police Station Basavakalyan) (Road ID 4399) in Bidar PIU- ADB financed.	4399	3.75
968	Bidar	Bidar	Bhalki	ADB-KPP-CIR06-06-09	Improvements to Road from Mehkar to Naradas Sangama (Upto MDR) via BolegaonImprovements of road from Mehkar to Naradas Sangama (Upto MDR) via Bolegaon (Road ID 3163) in Bidar PIU- ADB financed.	3163	8.55
969	Bidar	Bidar	Bhalki	ADB-KPP-CIR06-06-09	Improvements to Road from Wanjarkheda to Mehkar (upto MDR)Improvements of road from Wanjarkheda to Mehkar (upto MDR) (Road ID 3747) in Bidar PIU- ADB financed.	3747	6.40
970	Bidar	Bidar	Bhalki	ADB-KPP-CIR06-06-09	Improvements to Road from Dharajwadi tunda to SH 34Improvements of road from Dharajwadi tunda to SH 34 (Road ID 3161) in Bidar PIU- ADB financed.	3161	2.80
971	Bidar	Bidar	Bidar	ADB-KPP-CIR06-06-10	Improvements to Road from Aliamber - Chandapur MDR road to Yernalli via, Sangvi and SidhapurImprovements of road from Aliamber - Chandapur MDR road to Yernalli via, Sangvi and Sidhapur (Road ID 1016) in Bidar PIU- ADB financed.	1016	3.65
972	Bidar	Bidar	Bidar	ADB-KPP-CIR06-06-10	Improvements to Road from Chondi to Aliamber via Chondi Thanda, Mamdapur .Improvements of road from Chondi to Aliamber via Chondi Thanda, Mamdapur . (Road ID 1019) in Bidar PIU- ADB financed.	1019	6.92
973	Bidar	Bidar	Bidar	ADB-KPP-CIR06-06-10	Improvements to Road from Aliamber to Shankar ThandaImprovements of road from Aliamber to Shankar Thanda (Road ID 3592) in Bidar PIU- ADB financed.	3592	3.81
974	Bidar	Bidar	Bidar South	ADB-KPP-CIR06-06-11	Improvements to Road from MANDAKNALLI TO MANDAKNALLI THANDAlmprovements of road from MANDAKNALLI TO MANDAKNALLI THANDA (Road ID 3285) in Bidar PIU- ADB financed.	3285	3.06
975	Bidar	Bidar	Bidar South	ADB-KPP-CIR06-06-11	Improvements to Road from MANDAKNALLI TO KASHAMPUR(P) VIA MALIK MIRZAPURImprovements of road from MANDAKNALLI TO KASHAMPUR(P) VIA MALIK MIRZAPUR (Road ID 3290) in Bidar PIU- ADB financed.	3290	4.95
976	Bidar	Bidar	Bidar South	ADB-KPP-CIR06-06-11	Improvements to Road from BAGDAL TO HONNADIImprovements of road from BAGDAL TO HONNADI (Road ID 641) in Bidar PIU- ADB financed.	641	4.57
977	Bidar	Bidar	Humnabad	ADB-KPP-CIR06-06-12	Improvements to Road from Gogga to HulguttiImprovements of road from Gogga to Hulgutti (Road ID 4500) in Bidar PIU- ADB financed.	4500	2.13
978	Bidar	Bidar	Humnabad	ADB-KPP-CIR06-06-12	Improvements to Road from Humnabad to Kallur ThandaImprovements of road from Humnabad to Kallur Thanda (Road ID 1038) in Bidar PIU- ADB financed.	1038	4.43
979	Bidar	Bidar	Humnabad	ADB-KPP-CIR06-06-12	Improvements to Road from Sindhenkera to Hankuni Towards Iiga Walkhindi JunctionImprovements of road from Sindhenkera to Hankuni Towards Iiga Walkhindi Junction (Road ID 4559) in Bidar PIU- ADB financed.	4559	6.30
980	Mysuru	Chamarajanagara	Chamarajanagar	ADB-KPP-CIR07-08-04	Improvements of road from Venkatainachatra to Honnahalli (Road ID 4600) in Mysuru PIU- ADB financed.	4600	9.10
981	Mysuru	Chamarajanagara	Gundlupet	ADB-KPP- CIR07-08-05	Improvements of road from Sagade to Mukkadahalli via Harave (Road ID 3780) in Mysuru PIU- ADB financed.	3780	10.50
982	Mysuru	Chamarajanagara	Gundlupet	ADB-KPP- CIR07-08-05	Improvements of road from Balachavadi to Iakkuru (Road ID 3786) in Mysuru PIU- ADB financed.	3786	4.10
983	Mysuru	Chamarajanagara	Kollegal	ADB-KPP- CIR07-08-06	Improvements of road from Konanahundi to Ummaturu (Road ID 4156) in Mysuru PIU- ADB financed.	4156	3.25
984	Mysuru	Chamarajanagara	Kollegal	ADB-KPP- CIR07-08-06	Improvements of road from Kuderu Cross to Bagalli via Demalli (Road ID 2494) in Mysuru PIU- ADB financed.	2494	6.10
985	Mysuru	Chamarajanagara	Kollegal	ADB-KPP- CIR07-08-06	Improvements of road from Kempnanapura to MDR Junction near Kannegala (Road ID 5465) in Mysore PIU- ADB financed.	5465	2.00
986	Chikkaballapur	Chikkaballapur	Bagepalli	ADB-KPP-CIR01-29-02	Improvements of road from Marganakunte to AP border via Pesalaparthi, Krishnapura, Koliyampalli (Road ID 409) in Chikkaballapura PIU- ADB financed.	409	10.31
987	Chikkaballapur	Chikkaballapur	Chikkaballapur	ADB-KPP-CIR01-29-04	Improvements of road from NH234 to Harobande Via Narasimha Devarabetta,Hanumanthapura , Dinnesohashalli, Arkere, Gunthappannahalli (Road ID 60) in Chikkaballapur PIU- ADB financed.	60	11.88
988	Chikkaballapur	Chikkaballapur	Chintamani	ADB-KPP-CIR01-29-06	Improvements of road from SH-82 to Attur via Jodi-Hosahalli, Subbarayanapete, Virupakshapura (Road ID 3869) in Chikkaballapura PIU- ADB financed.	3869	6.12
989	Chikkaballapur	Chikkaballapur	Gauribidanur	ADB-KPP-CIR01-29-08	Improvements of road from Nakkalahalli colony to Bychapura Via Nakkalahalli, Devaganahalli (Road ID 404) in Chikkaballapura PIU- ADB financed.	404	5.72

990	Chikkaballapur	Chikkaballapur	Gauribidanur	ADB-KPP-CIR08-29-08	Improvements of road from Hirbidanuru road to NH via Chegatagere, H.Kurubarahalli, K.Kurubarahalli (Road ID 405) in Chikkaballapura PIU- ADB financed.	405	4.75
991	Chikkamagaluru	Chikkamagaluru	Chickamagalur	ADB-KPP-CIR08-09-02	Improvements of road from Chikkadevanuru to Jadakanakatte (Road ID 5255) in Chikkamagaluru PIU- ADB financed.	5255	4.00
992	Chikkamagaluru	Chikkamagaluru	Chickamagalur	ADB-KPP-CIR08-09-08	Improvements of road from MDR(Near Adishakthi Nagara) To Hukkunda - Nallur Road Via Mugathihalli and Mathavara (Road ID 5256) in Chikkamagaluru PIU- ADB financed.	5256	4.55
993	Chikkamagaluru	Chikkamagaluru	Chickamagalur	ADB-KPP-CIR08-09-02	Improvements of road from Kalasapura to Eshwarahalli (Road ID 5271) in Chikkamagaluru PIU- ADB financed.	5271	3.25
994	Chikkamagaluru	Chikkamagaluru	Chickamagalur	ADB-KPP-CIR08-09-08	Improvements of road from Bilekahalli to Sarpanahalli-Gungarahalli road (Road ID 5322) in Chikkamagaluru PIU- ADB financed.	5322	1.78
995	Chikkamagaluru	Chikkamagaluru	Kadur	ADB-KPP-CIR08-09-04	Improvements of road from G Vaddarahatti To Kadur -Maravanji Road Via Somanathapura (Road ID 3732) in Chikkamagaluru PIU- ADB financed.	3732	4.80
996	Chikkamagaluru	Chikkamagaluru	Kadur	ADB-KPP-CIR08-09-04	Improvements of road from Asandi to Bovi Colony via Hadagalu (Road ID 3733) in Chikkamagaluru PIU- ADB financed.	3733	3.30
997	Chikkamagaluru	Chikkamagaluru	Tarikere	ADB-KPP-CIR08-09-07	Improvements of road from Ajampur to Naranapur-hebbur road via gejegondanahalli (Road ID 2798) in Chikkamagaluru PIU- ADB financed.	2798	5.98
998	Chikkamagaluru	Chikkamagaluru	Tarikere	ADB-KPP-CIR08-09-07	Improvements of road from Shivapura to Sanna bokikere (Road ID 4229) in Chikkamagaluru PIU- ADB financed.	4229	2.30
999	Chitradurga	Chitradurga	Challakere	ADB-KPP-CIR04-10-02	Improvements of road from Sanikere-Kaparahally Road to Narayanapura via B L Gowda Nagara (Road ID 2466) in Chitradurga PIU- ADB financed.	2466	2.67
1000	Chitradurga	Chitradurga	Challakere	ADB-KPP-CIR04-10-02	Improvements of road from K.K Road - Suranahally gate to Chowluru (Road ID 2981) in Chitradurga PIU- ADB financed.	2981	3.64
1001	Chitradurga	Chitradurga	Challakere	ADB-KPP-CIR04-10-02	Improvements of road from Kadabanakatte Myasarahatty to Doddagatta Gangayanahatti Road via Hirekere Kaval (Road ID 2982) in Chitradurga PIU- ADB financed.	2982	6.45
1002	Chitradurga	Chitradurga	Challakere	ADB-KPP-CIR04-10-02	Improvements of road from K.K road to Chattekamba (Road ID 163) in Chitradurga PIU- ADB financed.	163	4.37
1003	Chitradurga	Chitradurga	Chitradurga	ADB-KPP-CIR04-10-04	Improvements of road from Musandihal to NH -13 (Road ID 2209) in Chitradurga PIU- ADB financed.	2209	6.26
1004	Chitradurga	Chitradurga	Chitradurga	ADB-KPP-CIR04-10-04	Improvements of road from Lakshmisagara to Alaghatta via Kittadahatti, Chikkalagatta (Road ID 3631) in Chitradurga PIU- ADB financed.	3631	5.90
1005	Chitradurga	Chitradurga	Chitradurga	ADB-KPP-CIR04-10-04	Improvements of road from NH-13 to Haliyur via Karihatti Thirumalapura , Kurubarahalli (Road ID 3632) in Chitradurga PIU- ADB financed.	3632	1.88
1006	Chitradurga	Chitradurga	Hiriyur	ADB-KPP-CIR04-10-06	Improvements of road from SH 150A Halemadenahally gate to Lambanahatty via Sheshappannahally,Chitradavarahatty (Road ID 1537) in Chitradurga PIU- ADB financed.	1537	1.75
1007	Chitradurga	Chitradurga	Hiriyur	ADB-KPP-CIR04-10-06	Improvements of road from Burujarappa to HD Pura Road (MDR) Via Sallunse Kallahatti (Road ID 2856) in Chitradurga PIU- ADB financed.	2856	2.41
1008	Chitradurga	Chitradurga	Hiriyur	ADB-KPP-CIR04-10-06	Improvements of road from Kunikere to Kurubarahalli (Road ID 2852) in Chitradurga PIU- ADB financed.	2852	5.29
1009	Chitradurga	Chitradurga	Hiriyur	ADB-KPP-CIR04-10-06	Improvements of road from Eshwaragere to Venakallugudda (Road ID 2954) in Chitradurga PIU- ADB financed.	2954	6.03
1010	Chitradurga	Chitradurga	Holalkere	ADB-KPP-CIR04-10-08	Improvements of road from Chikkajajur to Chikkajajur kaval (Road ID 3943) in Chitradurga PIU- ADB financed.	3943	2.01
1011	Chitradurga	Chitradurga	Holalkere	ADB-KPP-CIR04-10-08	Improvements of road from Byalahal to Advigollarahally via Basavashivanakere (Road ID 3687) in Chitradurga PIU- ADB financed.	3687	2.35
1012	Chitradurga	Chitradurga	Holalkere	ADB-KPP-CIR04-10-08	Improvements of road from Lingadahalli to kashipura (Road ID 3938) in Chitradurga PIU- ADB financed.	3938	1.78
1013	Chitradurga	Chitradurga	Holalkere	ADB-KPP-CIR04-10-08	Improvements of road from Apparasannahalli to Arasanaghatta (Road ID 1659) in Chitradurga PIU- ADB financed.	1659	3.86
1014	Chitradurga	Chitradurga	Hosadurga	ADB-KPP-CIR04-10-10	Improvements of road from Srirampura to Goolihalli (Road ID 2846) in Chitradurga PIU- ADB financed.	2846	1.67
1015	Chitradurga	Chitradurga	Hosadurga	ADB-KPP-CIR04-10-10	Improvements of road from MH-Road to Mengasandra via Kainadu (Road ID 1870) in Chitradurga PIU- ADB financed.	1870	4.59
1016	Chitradurga	Chitradurga	Hosadurga	ADB-KPP-CIR04-10-10	Improvements of road from Nagenahalli to Chinnapura via Nagenahalli gate (Road ID 1877) in Chitradurga PIU- ADB financed.	1877	2.68
1017	Chitradurga	Chitradurga	Hosadurga	ADB-KPP-CIR04-10-10	Improvements of road from Tandaga to Taluk Border (Panchanahalli) via Hosakere (Road ID 2845) in Chitradurga PIU- ADB financed.	2845	3.74
1018	Chitradurga	Chitradurga	Hosadurga	ADB-KPP-CIR04-10-10	Improvements of road from Garaga to Yadagatta via Hanumainahatty, Yadagatta Bovihatti (Road ID 5409) in Chitradurga PIU- ADB financed.	5409	3.70
1019	Chitradurga	Chitradurga	Molakalmuru	ADB-KPP-CIR04-10-12	Improvements of road from Udevu to Bandethimlapura (Road ID 1890) in Chitradurga PIU- ADB financed.	1890	6.90
1020	Chitradurga	Chitradurga	Molakalmuru	ADB-KPP-CIR04-10-12	Improvements of road from Kasavigondanahalli to Basapura via Katamadevarakote (Road ID 1259) in Chitradurga PIU- ADB financed.	1259	5.24
1021	Mangalore	Dakshina Kannada	Bantwal	ADB-KPP-CIR08- 11-01	Improvements of road from Bangarakeri Iruvathur To Kavalkatte (Road ID 255) in Mangalore PIU- ADB financed.	255	3.92
1022	Mangalore	Dakshina Kannada	Mangalore City North	ADB-KPP-CIR08- 11-01	Improvements of road from Kaikamba Nadaje Kukkuri Road (Road ID 1054) in Mangalore PIU- ADB financed.	1054	3.50
1023	Mangalore	Dakshina kannada	Mangalore city north	ADB-KPP-CIR08-11-01	Improvements of road from Kompadvau botalayi uliya road (Road ID 1843) in Mangalore PIU- ADB financed.	1843	1.36
1024	Davanagere	Davanagere	Channagiri	ADB-KPP-CIR04-12-02	Improvements of road from Nimbapura to V.Ramenahalli via Nugehalli,Honnamaradahalli,Bommenahalli,Hiregangur,Yeragattihalli (Road ID 4207) in Davanagere PIU- ADB financed.	4207	9.61
1025	Davanagere	Davanagere	Channagiri	ADB-KPP-CIR04-12-02	Improvements of road from Koratigere to taluk border(Ramaghatta) via Lakshmisagara (Road ID 4843) in Davanagere PIU- ADB financed.	4843	3.30
1026	Davanagere	Davanagere	Channagiri	ADB-KPP-CIR04-12-02	Improvements of road from Chikkadeverahalli to MDR(Needigere-Benkikere) via V Ramenahalli (Road ID 5301) in Davanagere PIU- ADB financed.	5301	2.95
1027	Davanagere	Davanagere	Davanagere North	ADB-KPP-CIR04-12-04	Improvements of road from Kadajji to Taluk Border(Voddinahalli) (Road ID 2825) in Davanagere PIU- ADB financed.	2825	3.96
1028	Davanagere	Davanagere	Davanagere	ADB-KPP-CIR04-12-04	Improvements of road from Avargolla to MDR Near Kakkargolla Ganganarasi Road (Road ID 2828) in Davanagere PIU- ADB financed.	2828	4.38
1029	Davanagere	Davanagere	Davanagere South	ADB-KPP-CIR04-12-06	Improvements of road from MDR near Kuntapalanahalli to MDR near Hadadi (Road ID 1033) in Davanagere PIU- ADB financed.	1033	2.25
1030	Davanagere	Davanagere	Davanagere South	ADB-KPP-CIR04-12-06	Improvements of road from NH48 near Davanagere to Chandranahalli via Pamenahalli (Road ID 2812) in Davanagere PIU- ADB financed.	2812	6.95
1031	Davanagere	Davanagere	Harapanahalli	ADB-KPP-CIR04-12-08	Improvements of road from V koracharahatti to Ragimasalavada road via Animegala thanda (Road ID 727) in Davanagere PIU- ADB financed.	727	3.59

1032	Davanagere	Davanagere	Harapanahalli	ADB-KPP-CIR04-12-08	Improvements of road from SH -151 to Jagalur taluk border via Kasavanahalli (Road ID 3033) in Davanagere PIU- ADB financed.	3033	4.06
1033	Davanagere	Davanagere	Harapanahalli	ADB-KPP-CIR04-12-08	Improvements of road from Udayapura to Shingrihali dodda thanda via Shingrihali sanna thanda (Road ID 3131) in Davanagere PIU- ADB financed.	3131	2.89
1034	Davanagere	Davanagere	Harihar	ADB-KPP-CIR04-12-10	Improvements of road from SH near Malebennur to Taluk border (Bannikodu) via Nitur (Road ID 755) in Davanagere PIU- ADB financed.	755	8.80
1035	Davanagere	Davanagere	Honnali	ADB-KPP-CIR04-12-12	Improvements of road from Thimnenahalli to Mukthenahalli (Road ID 802) in Davanagere PIU- ADB financed.	802	2.00
1036	Davanagere	Davanagere	Honnali	ADB-KPP-CIR04-12-12	Improvements of road from SH Near Masadi to Arakere MDR Via Belimallur (Road ID 804) in Davanagere PIU- ADB financed.	804	7.25
1037	Davanagere	Davanagere	Honnali	ADB-KPP-CIR04-12-12	Improvements of road from Chilur Kadadakatte to Vaderahathur Thanda (Road ID 1540) in Davanagere PIU- ADB financed.	1540	2.50
1038	Davanagere	Davanagere	Honnali	ADB-KPP-CIR04-12-12	Improvements of road from Sasvehalli-Rampura MDR to Hosu Iyanur (Road ID 4775) in Davanagere PIU- ADB financed.	4775	1.85
1039	Davanagere	Davanagere	Honnali	ADB-KPP-CIR04-12-12	Improvements of road from Kulambi MDR to Nelahonne Andra camp junction (Road ID 5304) in Davanagere PIU- ADB financed.	5304	1.90
1040	Davanagere	Davanagere	Jagalur	ADB-KPP-CIR04-12-14	Improvements of road from Bangarakanagudda to Donnehally Via Hosahatty (Road ID 655) in Davanagere PIU- ADB financed.	655	4.14
1041	Davanagere	Davanagere	Jagalur	ADB-KPP-CIR04-12-14	Improvements of road from Hiremallanahole To Siddihally (Road ID 661) in Davanagere PIU- ADB financed.	661	2.41
1042	Davanagere	Davanagere	Jagalur	ADB-KPP-CIR04-12-14	Improvements of road from Bidarakere to Matadadyamavvanahalli (Road ID 4801) in Davanagere PIU- ADB financed.	4801	2.94
1043	Davanagere	Davanagere	Jagalur	ADB-KPP-CIR04-12-14	Improvements of road from Guttidurga to Somanahalli via Gokulahatti (Road ID 5056) in Davanagere PIU- ADB financed.	5056	3.86
1044	Davanagere	Davanagere	Mayakonda	ADB-KPP-CIR04-12-16	Improvements of road from MDR near Gummanur to Halvarthy Via Hosalli Lambanihatti (Road ID 927) in Davanagere PIU- ADB financed.	927	4.11
1045	Davanagere	Davanagere	Mayakonda	ADB-KPP-CIR04-12-16	Improvements of road from NH near Hebbal to MDR near Kenchammanahalli via Hosalli Lambanihatti (Road ID 932) in Davanagere PIU- ADB financed.	932	3.60
1046	Davanagere	Davanagere	Mayakonda	ADB-KPP-CIR04-12-16	Improvements of road from SH 47 (Hindasgatte cross) to Taluk border(Komaranahalli) Via Hindasgatte,Nalkunda (Road ID 4940) in Davanagere PIU- ADB financed.	4940	4.19
1047	Davanagere	Davanagere	Mayakonda	ADB-KPP-CIR04-12-16	Improvements of road from Nalkunda to Taluk Border(Hiryur) via Kyathanahally (Road ID 5306) in Davanagere PIU- ADB financed.	5306	3.59
1048	Dharwad	Dharwad	Dharwad	ADB-KPP-CIR05-13-02	Improvements to road from Amminbhavi to Ayetti (Navalgund tq border) (Road ID-198) in Dharwad PIU-ADB Financed	198	4.68
1049	Dharwad	Dharwad	Dharwad	ADB-KPP-CIR05-13-02	Timprovements of road from Timmapur to Lakhmapur (Road ID 218) in Dharwad PIU- ADB financed.	218	5.52
1050	Dharwad	Dharwad	Dharwad	ADB-KPP-CIR05-13-02	Improvements of road from Maradagi to tq border(Bhairidevarakoppa) (Road ID 977) in Dharwad PIU- ADB financed.	977	3.70
1051	Dharwad	Dharwad	Hubli-Dharwad-Central	ADB-KPP-CIR05-13-04	Improvements of road from Improvements from unkal to sulla (Road ID 4790) in Dharwad PIU- ADB financed.	4790	6.00
1052	Dharwad	Dharwad	Hubli-Dharwad-Central	ADB-KPP-CIR05-13-04	Improvements of road from Improvements from Gopanakoppa to join unkal - sulla (Road ID 4958) in Dharwad PIU- ADB financed.	4958	2.70
1053	Dharwad	Dharwad	Hubli-Dharwad-West	ADB-KPP-CIR05-13-06	Improvements of road from Ittigatti to Gamanagatti MDR Road (Road ID 4838) in Dharwad PIU- ADB financed.	4838	1.67
1054	Dharwad	Dharwad	Hubli-Dharwad-West	ADB-KPP-CIR05-13-06	Improvements of road from Navalur to Amargot MDR Road Via Rayapur Industrial Area (Road ID 4836) in Dharwad PIU- ADB financed.	4836	6.56
1055	Dharwad	Dharwad	Kalaghatgi	ADB-KPP-CIR05-13-08	Improvements of road from Bogenagarkoppa to Kamadhenu (Road ID 3092) in Dharwad PIU- ADB financed.	3092	3.69
1056	Dharwad	Dharwad	Kundgol	ADB-KPP-CIR05-13-10	Improvements of road from Yaranguppi to SH near Yarinanyanapur (Road ID 2001) in Dharwad PIU- ADB financed.	2001	2.85
1057	Dharwad	Dharwad	Kundgol	ADB-KPP-CIR05-13-10	Improvements of road from Ramankoppa to Kubihal via Vithalapur (Road ID 5291) in Dharwad PIU- ADB financed.	5291	5.58
1058	Dharwad	Dharwad	Navalgund	ADB-KPP-CIR05-13-12	Improvements of road from Gobbargumpi to tq border(Hunashikatti) (Road ID 40) in Dharwad PIU- ADB financed.	40	5.35
1059	Dharwad	Dharwad	Navalgund	ADB-KPP-CIR05-13-12	Improvements of road from Kannur to Bogalur (Road ID 4805) in Dharwad PIU- ADB financed.	4805	2.00
1060	Dharwad	Dharwad	Navalgund	ADB-KPP-CIR05-13-12	Improvements of road from Sasvihali to NH near Annigeri (Road ID 4953) in Dharwad PIU- ADB financed.	4953	5.50
1061	Gadag	Gadag	Gadag	ADB-KPP-CIR05-14-03	Improvements of road from Mulgund to yelishnur (Road ID 4213) in Gadag PIU- ADB financed.	4213	8.26
1062	Gadag	Gadag	Nargund	ADB-KPP-CIR05-14-09	Improvements of road from Kiratageri to Hirekoppa (Road ID 4377) in Gadag PIU- ADB financed.	4377	2.60
1063	Gadag	Gadag	Ron	ADB-KPP-CIR05-14-07	Improvements of road from Hiremanur to Kurabhatti via Basalapur, Ron (Road ID 4741) in Gadag PIU- ADB financed.	4741	11.25
1064	Gadag	Gadag	Ron	ADB-KPP-CIR05-14-10	Improvements of road from Naregal to Tondihal upto Taluk Border via Dyampur (Road ID 4180) in Gadag PIU- ADB financed.	4180	5.18
1065	Hassan	Hassan	Anakalgud	ADB-KPP-CIR07-16-04	Improvements of road from Hangal to Ankanahalli via Dollenahalli (Road ID 1662) in Hassan PIU- ADB financed.	1662	2.69
1066	Hassan	Hassan	Arsikere	ADB-KPP-CIR07-16-05	Improvements of road from MDR (Rameshwara Temple) to Morarji Desai Vasathi Shale (NH) (Road ID 5293) in Hassan PIU- ADB financed.	5293	2.45
1067	Hassan	Hassan	Arsikere	ADB-KPP-CIR07-16-05	Improvements of road from Chikkalkur to Mallapura via Hirekallu Siddeshwara Betta (Road ID 5288) in Hassan PIU- ADB financed.	5288	3.13
1068	Hassan	Hassan	Arsikere	ADB-KPP-CIR07-16-05	Improvements of road from Kellengere to Narayanaghattahalli (Road ID 5294) in Hassan PIU- ADB financed.	5294	2.11
1069	Hassan	Hassan	Arsikere	ADB-KPP-CIR07-16-05	Improvements of road from NH to MDR via Kachiaghatta, Salapura (Road ID 5287) in Hassan PIU- ADB financed.	5287	2.75
1070	Hassan	Hassan	Arsikere	ADB-KPP-CIR07-16-05	Improvements of road from MDR (Narasipura) to MDR via Kottur Basaveshwara temple, Jannavara, Yadavarahatti, Harijana Colony, G.G.Koppalu (Road ID 5297) in Hassan PIU- ADB financed.	5297	4.29
1071	Hassan	Hassan	Hassan	ADB-KPP-CIR07-16-09	Improvements of road from Srirampura to Ibdane (NH) via Yelagondanahalli (Road ID 1136) in Hassan PIU- ADB financed.	1136	3.85
1072	Hassan	Hassan	Hassan	ADB-KPP-CIR07-16-09	Improvements of road from Shanka to NH 373 via Shankadahosahalli (Road ID 2886) in Hassan PIU- ADB financed.	2886	3.40
1073	Hassan	Hassan	Hassan	ADB-KPP-CIR07-16-09	Improvements of road from Beekannahalli to MDR Near Bramadevanahalli (Road ID 1182) in Hassan PIU- ADB financed.	1182	2.09
1074	Hassan	Hassan	Hassan	ADB-KPP-CIR07-16-09	Improvements of road from MDR to MDR via Kindipura, Nanjedevrakaval (Road ID 2894) in Hassan PIU- ADB financed.	2894	3.48
1075	Hassan	Hassan	Holenarasipur	ADB-KPP-CIR07-16-11	Improvements of road from Malali to MDR Via Parasanahalli (Road ID 4794) in Hassan PIU- ADB financed.	4794	2.64
1076	Hassan	Hassan	Holenarasipur	ADB-KPP-CIR07-16-11	Improvements of road from H.Mynahalli to SH (Road ID 1095) in Hassan PIU- ADB financed.	1095	1.97

1077	Hassan	Hassan	Holenarasipur	ADB-KPP-CIR07-16-11	Improvements of road from Thimmalapura to Attavara Hosahalli (SH71) via Attavara and Mudigere. (Road ID 833) in Hassan PIU- ADB financed.	833	6.22
1078	Hassan	Hassan	Sakaleshpur	ADB-KPP-CIR07-16-15	Improvements of road from Bydaralli to SH-21 (Road ID 3805) in Hassan PIU- ADB financed.	3805	2.03
1079	Hassan	Hassan	Sakaleshpur	ADB-KPP-CIR07-16-15	Improvements of road from Hanchoor to Manchenahalli via Hanchoor colony ,Bommachivalli (Road ID 4882) in Hassan PIU- ADB financed.	4882	4.23
1080	Hassan	Hassan	Shravanabelagola	ADB-KPP-CIR07-16-17	Improvements of road from Kodihalli to Taluk Border via Thiippalapura (Road ID 3427) in Hassan PIU- ADB financed.	3427	1.95
1081	Hassan	Hassan	Shravanabelagola	ADB-KPP-CIR07-16-17	Improvements of road from Valegerasomanahalli to NH-75 via Mallavvanaghatta (Road ID 5184) in Hassan PIU- ADB financed.	5184	2.42
1082	Hassan	Hassan	Shravanabelagola	ADB-KPP-CIR07-16-17	Improvements of road from Nallur to Dadadahalli (Road ID 5433) in Hassan PIU- ADB financed.	5433	2.55
1083	Haveri	Haveri	Byadgi	ADB-KPP-CIR05-17-07	Improvements of road from Angargatti to Ramagundenahalli via Hire nandihalli (Road ID 2363) in Haveri PIU- ADB financed.	2363	6.31
1084	Haveri	Haveri	Byadgi	ADB-KPP-CIR05-17-07	Improvements of road from Hanumanahalli to Kalladevar (Road ID 4978) in Haveri PIU- ADB financed.	4978	4.14
1085	Haveri	Haveri	Hangal	ADB-KPP-CIR05-17-08	Improvements of road from Pala-Arekoppa Road to Gotagodi via Bidarakoppa (Road ID 4950) in Haveri PIU- ADB financed.	4950	3.30
1086	Haveri	Haveri	Hangal	ADB-KPP-CIR05-17-08	Improvements of road from GadegundiYallapur to Basapur (Road ID 5456) in Haveri PIU- ADB financed.	5456	2.65
1087	Haveri	Haveri	Hangal	ADB-KPP-CIR05-17-08	Improvements of road from Tadas-Gondi road to Dolleshwar (Road ID 5460) in Haveri PIU- ADB financed.	5460	2.03
1088	Haveri	Haveri	Haveri	ADB-KPP-CIR05-17-10	Improvements of road from Hosaritti to Yalagach (Road ID 1094) in Haveri PIU- ADB financed.	1094	4.83
1089	Haveri	Haveri	Haveri	ADB-KPP-CIR05-17-10	Improvements of road from Ichangi to Bailmadapur cross (Road ID 1201) in Haveri PIU- ADB financed.	1201	4.55
1090	Haveri	Haveri	Haveri	ADB-KPP-CIR05-17-10	Improvements of road from Hesarur to Doddur road upto TB (Road ID 2301) in Haveri PIU- ADB financed.	2301	3.42
1091	Haveri	Haveri	Hirekerur	ADB-KPP-CIR05-17-09	Improvements of road from Hirekabbat to Guddadamadapura via Maidur (Road ID 997) in Haveri PIU- ADB financed.	997	5.50
1092	Haveri	Haveri	Hirekerur	ADB-KPP-CIR05-17-09	Improvements of road from SH-76 to SH-136 (Upto Tadas)via Chikkabudihah, Bhogavi, Yogikoppa, Chinnamulgunda (Road ID 4246) in Haveri PIU- ADB financed.	4246	13.24
1093	Haveri	Haveri	Ranebennur	ADB-KPP-CIR05-17-11	Improvements of road from Chikkakuravatti to Chikkaharalahalli (Road ID 1328) in Haveri PIU- ADB financed.	1328	3.86
1094	Haveri	Haveri	Ranebennur	ADB-KPP-CIR05-17-11	Improvements of road from Billahalli to Nittur via Harogoppa (Road ID 1361) in Haveri PIU- ADB financed.	1361	5.46
1095	Haveri	Haveri	Ranebennur	ADB-KPP-CIR05-17-11	Improvements of road from Chikkaharalahalli to Maidur via Yattinahalli (Road ID 3621) in Haveri PIU- ADB financed.	3621	5.21
1096	Haveri	Haveri	Shiggaon	ADB-KPP-CIR05-17-12	Improvements of road from Hiremanakatti to Chikkabendigeri MDR via Belagali (Road ID 2238) in Haveri PIU- ADB financed.	2238	3.48
1097	Haveri	Haveri	Shiggaon	ADB-KPP-CIR05-17-12	Improvements of road from Attigeri to Hireharakunni TB (Road ID 3663) in Haveri PIU- ADB financed.	3663	4.55
1098	Haveri	Haveri	Shiggaon	ADB-KPP-CIR05-17-12	Improvements of road from Kabanur to Hiremanakatti-Mugali road (Road ID 4555) in Haveri PIU- ADB financed.	4555	2.60
1099	Haveri	Haveri	Shiggaon	ADB-KPP-CIR05-17-12	Improvements of road from Vanahalli to Shiggaon (Road ID 5324) in Haveri PIU- ADB financed.	5324	3.00
1100	Kalburgi	Kalburgi	Afzalpur	ADB-KPP-CIR06-15-10	Improvements of road from Haliyal tanda to NH 150E (Afzalpur-Dudni Road) (Road ID 1531) in Kalburgi PIU- ADB financed.	1531	2.36
1101	Kalburgi	Kalburgi	Afzalpur	ADB-KPP-CIR06-15-10	Improvements of road from Jogur to Hasaragundagi (Road ID 1538) in Kalburgi PIU- ADB financed.	1538	3.94
1102	Kalburgi	Kalburgi	Afzalpur	ADB-KPP-CIR06-15-10	Improvements of road from Kesaratgi to Khandal (Road ID 4292) in Kalburgi PIU- ADB financed.	4292	3.81
1103	Kalburgi	Kalburgi	Afzalpur	ADB-KPP-CIR06-15-10	Improvements of road from Minajagi to Garur B (Road ID 4294) in Kalburgi PIU- ADB financed.	4294	6.26
1104	Kalburgi	Kalburgi	Aland	ADB-KPP-CIR06-15-11	Improvements of road from SH-32 to Salegaon (Road ID 3613) in Kalburgi PIU- ADB financed.	3613	2.60
1105	Kalburgi	Kalburgi	Aland	ADB-KPP-CIR06-15-11	Improvements of road from Tadkal to Walwanwadi (Road ID 3623) in Kalburgi PIU- ADB financed.	3623	5.66
1106	Kalburgi	Kalburgi	Aland	ADB-KPP-CIR06-15-11	Improvements of road from SH-124 (Madan Hippargga -Nimbal road) to Khed umarga (Road ID 4495) in Kalburgi PIU- ADB financed.	4495	2.04
1107	Kalburgi	Kalburgi	Aland	ADB-KPP-CIR06-15-11	Improvements of road from Mogha B to kinni Abbas balance length (Road ID 4761) in Kalburgi PIU- ADB financed.	4761	2.93
1108	Kalburgi	Kalburgi	Aland	ADB-KPP-CIR06-15-11	Improvements of road from SH -122(khandala) to kesar jawalga maharastra state border via jambga k (Road ID 4763) in Kalburgi PIU- ADB financed.	4763	2.60
1109	Kalburgi	Kalburgi	Chincholi	ADB-KPP-CIR06-15-12	Improvements of road from Chengta to Adkimukha tanda (Road ID 5464) in Kalburgi PIU- ADB financed.	5464	4.10
1110	Kalburgi	Kalburgi	Chincholi	ADB-KPP-CIR06-15-12	Improvements of road from MDR Hasargundagi cross to Marapali (Road ID 5490) in Kalburgi PIU- ADB financed.	5490	2.98
1111	Kalburgi	Kalburgi	Chincholi	ADB-KPP-CIR06-15-12	Improvements of road from SH 32 Hulsgud cross to Hulsgud (Road ID 5494) in Kalburgi PIU- ADB financed.	5494	2.36
1112	Kalburgi	Kalburgi	Chittapur	ADB-KPP-CIR06-15-13	Improvements of road from Allur (K) to Ramthirth Via Ramtirth Tanda (Road ID 2639) in Kalburgi PIU- ADB financed.	2639	3.00
1113	Kalburgi	Kalburgi	Chittapur	ADB-KPP-CIR06-15-13	Improvements of road from Sannatti MDR to Nahwar MDR Via Sugur N,Revanak Thanda (Road ID 3504) in Kalburgi PIU- ADB financed.	3504	5.57
1114	Kalburgi	Kalburgi	Chittapur	ADB-KPP-CIR06-15-13	Improvements of road from SH 126 to Malkood (Road ID 4434) in Kalburgi PIU- ADB financed.	4434	3.92
1115	Kalburgi	Kalburgi	Chittapur	ADB-KPP-CIR06-15-13	Improvements of road from Kamaknoor to taluka Border (Road ID 5016) in Kalburgi PIU- ADB financed.	5016	2.61
1116	Kalburgi	Kalburgi	Gulbarga Dakshin	ADB-KPP-CIR06-15-14	Improvements of road from Keri Bhosga Approach Road to Astaga (Road ID 4406) in Kalburgi PIU- ADB financed.	4406	5.91
1117	Kalburgi	Kalburgi	Gulbarga Dakshin	ADB-KPP-CIR06-15-14	Improvements of road from Melkunda B cross to Gudur (Road ID 4740) in Kalburgi PIU- ADB financed.	4740	8.20
1118	Kalburgi	Kalburgi	Gulbarga Rural	ADB-KPP-CIR06-15-15	Improvements of road from Mahagoan to Mahagoan Wadi (Road ID 2436) in Kalburgi PIU- ADB financed.	2436	4.55
1119	Kalburgi	Kalburgi	Gulbarga Rural	ADB-KPP-CIR06-15-15	Improvements of road from Srichand to Apchand (Road ID 4504) in Kalburgi PIU- ADB financed.	4504	3.03
1120	Kalburgi	Kalburgi	Gulbarga Rural	ADB-KPP-CIR06-15-15	Improvements of road from HUMANBAD MAIN ROAD NH-50 TO ALGUD (Road ID 4566) in Kalburgi PIU- ADB financed.	4566	2.52
1121	Kalburgi	Kalburgi	Gulbarga Rural	ADB-KPP-CIR06-15-15	Improvements of road from NH-50 TO BHEEMNAL TANDA (Road ID 4568) in Kalburgi PIU- ADB financed.	4568	2.13
1122	Kalburgi	Kalburgi	Gulbarga Uttar	ADB-KPP-CIR06-15-16	Improvements of road from Keri ambalga to Chinchansur (Road ID 5173) in Kalburgi PIU- ADB financed.	5173	5.35
1123	Kalburgi	Kalburgi	Gulbarga Uttar	ADB-KPP-CIR06-15-16	Improvements of road from SH-51 (jumbga cross)to Keri Ambalaga via Jambga B, Astaga (Road ID 5175) in Kalburgi PIU- ADB financed.	5175	8.63
1124	Kalburgi	Kalburgi	Jevargi	ADB-KPP-CIR06-15-17	Improvements of road from SH157(Bilwar cross) to kachur (Road ID 4378) in Kalburgi PIU- ADB financed.	4378	2.37

1125	Kalburgi	Kalburgi	Jevargi	ADB-KPP-CIR06-15-17	Improvements of road from Hippuragi SN to Kasarbhosaga (Road ID 5493) in Kalburgi PIU- ADB financed.	5493	4.56
1126	Kalburgi	Kalburgi	Jevargi	ADB-KPP-CIR06-15-17	Improvements of road from Kodchi (SH-157) to Yalwar (Road ID 306) in Kalburgi PIU- ADB financed.	306	4.63
1127	Kalburgi	Kalburgi	Jevargi	ADB-KPP-CIR06-15-17	Improvements of road from Maradgi S A To Mudbole B (Road ID 307) in Kalburgi PIU- ADB financed.	307	4.65
1128	Kalburgi	Kalburgi	Sedam	ADB-KPP-CIR06-15-18	Improvements of road from Approach road to Allipur Thanda (Road ID 3666) in Kalburgi PIU- ADB financed.	3666	3.00
1129	Kalburgi	Kalburgi	Sedam	ADB-KPP-CIR06-15-18	Improvements of road from Madna to Tummalakunta tanda (Road ID 3669) in Kalburgi PIU- ADB financed.	3669	3.00
1130	Kalburgi	Kalburgi	Sedam	ADB-KPP-CIR06-15-18	Improvements of road from Chandapur to Chandu naik tanda (Road ID 4336) in Kalburgi PIU- ADB financed.	4336	2.54
1131	Kalburgi	Kalburgi	Sedam	ADB-KPP-CIR06-15-18	Improvements of road from Turnur Cross to Turnur (Road ID 4370) in Kalburgi PIU- ADB financed.	4370	4.03
1132	Kalburgi	Kalburgi	Sedam	ADB-KPP-CIR06-15-18	Improvements of road from Gadikeswar to Kupnoor (Road ID 4374) in Kalburgi PIU- ADB financed.	4374	5.67
1133	Kolar	Kolar	Bangarapete	ADB-KPP-CIRO1-19-02	Improvements of road from Improvements of road from Bangarpet - Kamasamudra Road (Paravanahalli) to Thangodimitta via Paravanahalli, Hosamane, Thangodimitta (Road ID 950) in Kolar PIU- ADB financed.	950	2.88
1134	Kolar	Kolar	Bangarapete	ADB-KPP-CIRO1-19-02	Improvements of road from Improvements of road from Bangarpet - V Kota SH to Doddachinnahalli Road via Chinnakote, Devaganahalli, Ajiapalli (Road ID 1975) in Kolar PIU- ADB financed.	1975	3.52
1135	Kolar	Kolar	Bangarapete	ADB-KPP-CIRO1-19-02	Improvements of road from Improvements of road from Bangarpet - Kamunanahalli Road to Balamande via Bhavanahalli(Buvanahalli), suriganahalli, Kadirenahalli, Bartegowdanuru, Boyiluru, Balamande (Road ID 748) in Kolar PIU- ADB financed.	748	5.57
1136	Kolar	Kolar	Kolar	ADB-KPP-CIRO1-19-04	Improvements of road from Improvements of road from Raghuipathi Agrahara road to Bellahalli via Channasandra (Road ID 5508) in Kolar PIU- ADB financed.	5508	2.12
1137	Kolar	Kolar	Kolar	ADB-KPP-CIRO1-19-04	Improvements of road from Improvements of road from Dimba to Shillengere via Dimbachamanahalli, Kurubarahalli (Road ID 2492) in Kolar PIU- ADB financed.	2492	4.30
1138	Kolar	Kolar	Kolar Gold Field	ADB-KPP-CIRO1-19-06	Improvements of road from Improvements of road from K V Road to gopenahalli Road via N G Hulkur, Seethampalli, Mallapalli. (Road ID 1126) in Kolar PIU- ADB financed.	1126	3.87
1139	Kolar	Kolar	Kolar Gold Field	ADB-KPP-CIRO1-19-06	Improvements of road from Improvements of road from Bethamangala -MBL Road to Ramasagara Road via Bettakur, Gennerahalli, Vaddarahalli. (Road ID 1108) in Kolar PIU- ADB financed.	1108	3.90
1140	Kolar	Kolar	Kolar Gold Field	ADB-KPP-CIRO1-19-06	Improvements of road from Improvements of road from K.V Road to K.V Road via Pooganahalli, Kadariganakuppe. (Road ID 1217) in Kolar PIU- ADB financed.	1217	3.17
1141	Kolar	Kolar	Kolar Gold Field	ADB-KPP-CIRO1-19-06	Improvements of road from Improvements of road from Bhattarakuppa to Marasandra via Nayanahalli. (Road ID 3609) in Kolar PIU- ADB financed.	3609	3.59
1142	Kolar	Kolar	Kolar Gold Field	ADB-KPP-CIRO1-19-06	Improvements of road from KV Road to Sarvareddyhalli via Pillagundlahalli. (Road ID 5282) in Kolar PIU- ADB financed.	5282	2.46
1143	Kolar	Kolar	Malur	ADB-KPP-CIRO1-19-08	Improvements of road from Improvements of road from Dinnaahalli-Thoralakki road to Ganiganahalli via Nidamkunahalli, Ajiapamahalli. (Road ID 5374) in Kolar PIU- ADB financed.	5374	3.36
1144	Kolar	Kolar	Malur	ADB-KPP-CIRO1-19-08	Improvements of road from Improvements of road from Bangarpete Main road to Makarahalli via Bethahalli (Road ID 5373) in Kolar PIU- ADB financed.	5373	2.19
1145	Kolar	Kolar	Malur	ADB-KPP-CIRO1-19-08	Improvements of road from Improvements of road from KMH road to Pura cross via Chudagondanahalli, Kodur (Road ID 5372) in Kolar PIU- ADB financed.	5372	2.76
1146	Kolar	Kolar	Malur	ADB-KPP-CIRO1-19-08	Improvements of road from Improvements of road from Huladenahalli to Rajenahalli -Thoralakki Road via Adikarahatti (Road ID 753) in Kolar PIU- ADB financed.	753	3.19
1147	Koppal	Koppal	Gangavathi	ADB-KPP-CIR03-20-06	Improvements to road from Sangapur to SH-36 Vai Lebageri (Road ID-215) in Koppal PIU - ADB Financed	215	4.36
1148	Koppal	Koppal	Gangavathi	ADB-KPP-CIR03-20-06	Improvements to road from Venkatgiri to Udamakal (Road ID-240) in Koppal PIU - ADB Financed	240	1.92
1149	Koppal	Koppal	Kanakagiri	ADB-KPP-CIR03-20-07	Improvements to road from Chikkadankankal-Basaweshwar nagar-29th distributory camp-Tondihal road (Road ID- 1299) in Koppal PIU - ADB Financed	1299	6.95
1150	Koppal	Koppal	Kanakagiri	ADB-KPP-CIR03-20-07	Improvements to road from Budagumpa to Laxmi camp (Road ID- 5151) in Koppal PIU - ADB Financed	5151	6.36
1151	Koppal	Koppal	Koppal	ADB-KPP-CIR03-20-08	Improvements to road from Mattur to Betageri (Road ID- 69) in Koppal PIU - ADB Financed	69	3.15
1152	Koppal	Koppal	Koppal	ADB-KPP-CIR03-20-08	Improvements to road from Chilwadagi to Kalakeri (Road ID- 72) in Koppal PIU - ADB Financed	72	3.60
1153	Koppal	Koppal	Koppal	ADB-KPP-CIR03-20-08	Improvements to road from Hulgi to NH-57 Vai Mattimudlapur,Holemudlapur (Road ID- 3999) in Koppal PIU - ADB Financed	3999	4.12
1154	Koppal	Koppal	Kushtagi	ADB-KPP-CIR03-20-09	Improvements to road from Bilekal to Kodatageri (Road ID- 4942) in Koppal PIU - ADB Financed	4942	3.89
1155	Koppal	Koppal	Kushtagi	ADB-KPP-CIR03-20-09	Improvements to road from Jagir Rampur to M Gudalur Vai Madapur Road (Road ID- 4945) in Koppal PIU - ADB Financed	4945	7.35
1156	Koppal	Koppal	Yelburga	ADB-KPP-CIR03-20-10	Improvements to road from Makkalli to Vajrabandi SH Vai Salabhavi (Road ID- 3302) in Koppal PIU - ADB Financed	3302	3.50
1157	Koppal	Koppal	Yelburga	ADB-KPP-CIR03-20-10	Improvements to road from Ryavanki to Bevoor SH (Road ID- 339) in Koppal PIU - ADB Financed	339	5.10
1158	Koppal	Koppal	Yelburga	ADB-KPP-CIR03-20-10	Improvements to road from Balageri to Yadiyapur (Road ID- 3327) in Koppal PIU - ADB Financed	3327	2.83
1159	Koppal	Koppal	Yelburga	ADB-KPP-CIR03-20-10	Improvements to road from Gandai to Katagihalli (Road ID- 4772) in Koppal PIU - ADB Financed	4772	4.87
1160	Mandya	Mandya	Krishnarajpet	ADB-KPP-CIR07-21-03	Improvements of road from Themenahally to SH road (Road ID 2948) in Mandya PIU- ADB financed.	2948	1.98
1161	Mandya	Mandya	Krishnarajpet	ADB-KPP-CIR07-21-03	Improvements of road from Makavalli to Kundanahalli via Karoti (Road ID 4564) in Mandya PIU- ADB financed.	4564	2.43
1162	Mandya	Mandya	Krishnarajpet	ADB-KPP-CIR07-21-03	Improvements of road from Bevinahally to Tahuk Border Via Shivanahally (Road ID 5522) in Mandya PIU- ADB financed.	5522	2.62
1163	Mandya	Mandya	Maddur	ADB-KPP-CIR07-21-08	Improvements of road from Mallahanagara Ashrayacolony to Sadolalu road (Road ID 4326) in Mandya PIU- ADB financed.	4326	2.04
1164	Mandya	Mandya	Maddur	ADB-KPP-CIR07-21-08	Improvements of road from Huthagere to Doddankanahalli (Road ID 5037) in Mandya PIU- ADB financed.	5037	2.53
1165	Mandya	Mandya	Maddur	ADB-KPP-CIR07-21-08	Improvements of road from Kadaluru to Athaguru via Chinnanadoddi, Kuridoddi (Road ID 2919) in Mandya PIU- ADB financed.	2919	2.41
1166	Mandya	Mandya	Maddur	ADB-KPP-CIR07-21-08	Improvements of road from Arivanahally to Thoppannahally via Kempegowdanadoddi , Ankegowdanadoddi (Road ID 2912) in Mandya PIU- ADB financed.	2912	3.80

1167	Mandya	Mandya	Maddur	ADB-KPP-CIR07-21-08	Improvements of road from S I Honnalagere to join KM dodd main road Via Hosur and H Hosahalli (Road ID 5469) in Mandya PIU- ADB financed.	5469	4.76
1168	Mandya	Mandya	Malavalli	ADB-KPP-CIR07-21-09	Improvements of road from Dadadapura to Jadaganapura via Sulthan Road (Road ID 4363) in Mandya PIU- ADB financed.	4363	2.06
1169	Mandya	Mandya	Malavalli	ADB-KPP-CIR07-21-09	Improvements of road from NH-209 to Maragowdanahalli (Road ID 3931) in Mandya PIU- ADB financed.	3931	3.77
1170	Mandya	Mandya	Malavalli	ADB-KPP-CIR07-21-09	Improvements of road from B G Pura to Naraynapura (Road ID 3940) in Mandya PIU- ADB financed.	3940	3.35
1171	Mandya	Mandya	Malavalli	ADB-KPP-CIR07-21-09	Improvements of road from Dugganahalli to Thalagavadi Devipura (Road ID 5036) in Mandya PIU- ADB financed.	5036	3.22
1172	Mandya	Mandya	Malavalli	ADB-KPP-CIR07-21-09	Improvements of road from Kamsagara to Thuraganur (Road ID 5451) in Mandya PIU- ADB financed.	5451	1.86
1173	Mandya	Mandya	Malavalli	ADB-KPP-CIR07-21-09	Improvements of road from Kanakapura-Malavalli (NH-948) main road to Channipura (Road ID 5474) in Mandya PIU- ADB financed.	5474	1.49
1174	Mandya	Mandya	Mandya	ADB-KPP-CIR07-21-10	Improvements of road from Baby to Karekatte (Road ID 5454) in Mandya PIU- ADB financed.	5454	1.89
1175	Mandya	Mandya	Mandya	ADB-KPP-CIR07-21-10	Improvements of road from Machagowdanahally to Basaralu -Koppa MDR (Road ID 5450) in Mandya PIU- ADB financed.	5450	1.19
1176	Mandya	Mandya	Mandya	ADB-KPP-CIR07-21-10	Improvements of road from Muthegere to Hosakoppalu (Road ID 5448) in Mandya PIU- ADB financed.	5448	2.95
1177	Mandya	Mandya	Mandya	ADB-KPP-CIR07-21-10	Improvements of road from (Mandya-Basaralu MDR) Tavaregere to Marasinganahally (Road ID 5449) in Mandya PIU- ADB financed.	5449	4.08
1178	Mandya	Mandya	Mandya	ADB-KPP-CIR07-21-10	Improvements of road from Ummadahalli to Hosabudnur (Road ID 5455) in Mandya PIU- ADB financed.	5455	3.00
1179	Mandya	Mandya	Mandya	ADB-KPP-CIR07-21-10	Improvements of road from Muddanagattu to join Mandya-Nagamangala main road (MDR) (Road ID 5475) in Mandya PIU- ADB financed.	5475	2.46
1180	Mandya	Mandya	Melukote	ADB-KPP-CIR07-21-14	Improvements of road from Sanaba gate to Byataranakoppalu Kerethonnur MDR Via Thirumalapura (Road ID 3807) in Mandya PIU- ADB financed.	3807	2.65
1181	Mandya	Mandya	Melukote	ADB-KPP-CIR07-21-14	Improvements of road from Damadahalli-Jayanthinagara SH to Taluk border Via Haleyelekere (Road ID 4408) in Mandya PIU- ADB financed.	4408	2.63
1182	Mandya	Mandya	Melukote	ADB-KPP-CIR07-21-14	Improvements of road from Babybetta to Dinka road (Road ID 5401) in Mandya PIU- ADB financed.	5401	2.46
1183	Mandya	Mandya	Melukote	ADB-KPP-CIR07-21-14	Improvements of road from Chandre to Vaddarahalli (Road ID 5520) in Mandya PIU- ADB financed.	5520	1.70
1184	Mandya	Mandya	Nagamangala	ADB-KPP-CIR07-21-15	Improvements of road from Nagamangala -Devalapura SH to Devalapura Via Hombalekoppalu,Gollarahalli,Muttasandra. (Road ID 943) in Mandya PIU- ADB financed.	943	4.87
1185	Mandya	Mandya	Nagamangala	ADB-KPP-CIR07-21-15	Improvements of road from Hottagowdanakoppalu to Huchakalegowdana koppalu via Muddinganakoppalu,Bursadagunte (Road ID 914) in Mandya PIU- ADB financed.	914	4.55
1186	Mandya	Mandya	Nagamangala	ADB-KPP-CIR07-21-15	Improvements of road from Maddur koppa SH road to Doddahosagavi via chikkahosagavi (Road ID 5134) in Mandya PIU- ADB financed.	5134	2.27
1187	Mandya	Mandya	Nagamangala	ADB-KPP-CIR07-21-15	Improvements of road from H.Kyathanahally to Subbarayanakoppalu (Road ID 5478) in Mandya PIU- ADB financed.	5478	1.70
1188	Mandya	Mandya	Shrirangapattana	ADB-KPP-CIR07-21-16	Improvements of road from NH-275 (Bengaluru- Mysore Main Road) to Induvahi via Molekoppalu, Molekoppalu Forest (Road ID 4084) in Mandya PIU- ADB financed.	4084	3.45
1189	Mandya	Mandya	Shrirangapattana	ADB-KPP-CIR07-21-16	Improvements of road from Mangala to Haluvadi (Road ID 4083) in Mandya PIU- ADB financed.	4083	4.68
1190	Mandya	Mandya	Shrirangapattana	ADB-KPP-CIR07-21-16	Improvements of road from Mandya Arakere MDR to A Hulikere (Road ID 5452) in Mandya PIU- ADB financed.	5452	2.31
1191	Mandya	Mandya	Shrirangapattana	ADB-KPP-CIR07-21-16	Improvements of road from Old NH (Bangalore-Mysore main road) to Bevinahally Via Kiraganduru (Road ID 5453) in Mandya PIU- ADB financed.	5453	4.15
1192	Mysuru	Mysuru	Chamundeshwari	ADB-KPP- CIR07-22-09	Improvements of road from Ring road near sathagalli to Banmur road via Galagarahundi (Road ID 1336) in Mysuru PIU- ADB financed.	1336	3.43
1193	Mysuru	Mysuru	Chamundeshwari	ADB-KPP- CIR07-22-09	Improvements of road from Mavinahalli to dhanagalli via baradanapura, dariapura (Road ID 1341) in Mysuru PIU- ADB financed.	1341	6.36
1194	Mysuru	Mysuru	Heggadadevan kote	ADB-KPP- CIR07-22-13	Improvements of road from Annur Gaddige road to Vishwakarma colony via Muskere (Road ID 896) in Mysuru PIU- ADB financed.	896	3.80
1195	Mysuru	Mysuru	Heggadadevan kote	ADB-KPP- CIR07-22-13	Improvements of road from Chikkakereyuru to Gendegowdara colony main road via bhovi colony (Road ID 2877) in Mysuru PIU- ADB financed.	2877	2.63
1196	Mysuru	Mysuru	Heggadadevan kote	ADB-KPP- CIR07-22-13	Improvements of road from Savve to Pailwan Colony (Bhogeshwar) via Annayana shed (Road ID 4282) in Mysuru PIU- ADB financed.	4282	1.95
1197	Mysuru	Mysuru	Heggadadevan kote	ADB-KPP- CIR07-22-13	Improvements of road from Kundur to Kallambulu Cross via Kallambulu VP Dadadahalli (Road ID 4286) in Mysuru PIU- ADB financed.	4286	1.56
1198	Mysuru	Mysuru	Heggadadevan kote	ADB-KPP- CIR07-22-13	Improvements of road from MM Road to Channegowdanahundi via Boppanahally (Road ID 5071) in Mysuru PIU- ADB financed.	5071	3.00
1199	Mysuru	Mysuru	Heggadadevan kote	ADB-KPP- CIR07-22-13	Improvements of road from Beechanahalli road to Nerale Hosuru via Yelamathur (Road ID 5078) in Mysuru PIU- ADB financed.	5078	1.85
1200	Mysuru	Mysuru	Hunsur	ADB-KPP- CIR07-22-14	Improvements of road from Kalegowdana Koppalu (T-06) to NH 275 Road (Road ID 4477) in Mysuru PIU- ADB financed.	4477	2.83
1201	Mysuru	Mysuru	Krishnarajanagera	ADB-KPP- CIR07-22-15	Improvements of road from Doddavaddargudi to KR Nagara Taluk Border via,Harambhully (Road ID 1012) in Mysuru PIU- ADB financed.	1012	2.82
1202	Mysuru	Mysuru	Krishnarajanagera	ADB-KPP- CIR07-22-15	Improvements of road from Bylapura to Chikkanayakanahalli Via Lakshmipura (Road ID 5146) in Mysuru PIU- ADB financed.	5146	3.77
1203	Mysuru	Mysuru	Krishnarajanagera	ADB-KPP- CIR07-22-15	Improvements of road from Mundur to Senabinakoppalu Handpost Saligrama Road Via Doddakoppalu & Salukoppalu (Road ID 4316) in Mysuru PIU- ADB financed.	4316	3.78
1204	Mysuru	Mysuru	Krishnarajanagera	ADB-KPP- CIR07-22-15	Improvements of road from Kanchagarakoppalu to Hebbali Main Road Via Siddapura and Arasanakoppalu (Road ID 5241) in Mysuru PIU- ADB financed.	5241	4.35
1205	Mysuru	Mysuru	Nanjangud	ADB-KPP- CIR07-22-10	Improvements of road from Haradhanahalli to Basapura (Road ID 299) in Mysuru PIU- ADB financed.	299	3.90
1206	Mysuru	Mysuru	Nanjangud	ADB-KPP- CIR07-22-10	Improvements of road from Hadya to Shettahalli (Road ID 423) in Mysuru PIU- ADB financed.	423	8.35
1207	Mysuru	Mysuru	Piriyapatna	ADB-KPP- CIR07-22-16	Improvements of road from Bettadapura SH to Navilodikaval Via Hardur (Road ID 5164) in Mysuru PIU- ADB financed.	5164	2.01
1208	Mysuru	Mysuru	Piriyapatna	ADB-KPP- CIR07-22-16	Improvements of road from Nandipura to Ramanathathunga Via Nandipura Bore (Road ID 1152) in Mysuru PIU- ADB financed.	1152	4.16
1209	Mysuru	Mysuru	T. Narasipur	ADB-KPP- CIR07-22-11	Improvements of road from Konagahalli to Kayambally via Chittagiahanakoppalu (Road ID 4694) in Mysuru PIU- ADB financed.	4694	4.70
1210	Mysuru	Mysuru	Varuna	ADB-KPP- CIR07-22-12	Improvements of road from Kadavekatteundi to Hosahally via Mahadevicolony (Road ID 1526) in Mysuru PIU- ADB financed.	1526	4.67

1211	Raichur	Raichur	Lingsugur	ADB-KPP-CIR03-23-09	Improvements to road from Hireheridhal to Pilelhal via Bannigol (Road ID- 2599) in Raichur PIU - ADB Financed	2691	9.44
1212	Raichur	Raichur	Manvi	ADB-KPP-CIR03-23-10	Improvements to road from Dr. Camp to Nugdoni via N.Hosur (Road ID- 88) in Raichur PIU - ADB Financed	88	4.10
1213	Raichur	Raichur	Manvi	ADB-KPP-CIR03-23-10	Improvements to road from Byagwat to Tadkal - Tadkal Camp Road (Road ID- 2529) in Raichur PIU - ADB Financed	2529	5.76
1214	Raichur	Raichur	Manvi	ADB-KPP-CIR03-23-10	Improvements to road from Kallur to Dinni (Road ID- 3190) in Raichur PIU - ADB Financed	3190	6.17
1215	Raichur	Raichur	Maski	ADB-KPP-CIR03-23-11	Improvements to road from Benchmardi road to Maski via Sanahal (Road ID- 2431) in Raichur PIU - ADB Financed	2431	9.83
1216	Raichur	Raichur	Maski	ADB-KPP-CIR03-23-11	Improvements to road from Shankar nagara camp to hirekadabur via S.Ramaldinni (Road ID- 4924) in Raichur PIU - ADB Financed	4924	3.48
1217	Raichur	Raichur	Raichur Rural	ADB-KPP-CIR03-23-13	Improvements to road from Construction of road from Ganmoor to Chandarbanda (Road ID- 1931) in Raichur PIU - ADB Financed	1931	3.44
1218	Raichur	Raichur	Raichur Rural	ADB-KPP-CIR03-23-13	Improvements to road from Bevinbenchi road to Karekal cross via Rangapur (Road ID- 3127) in Raichur PIU - ADB Financed	3127	4.03
1219	Raichur	Raichur	Raichur Rural	ADB-KPP-CIR03-23-13	Improvements to road from Madmandoddi to Appandoddi via Raaldoddi (Road ID- 4480) in Raichur PIU - ADB Financed	4480	4.99
1220	Raichur	Raichur	Raichur Rural	ADB-KPP-CIR03-23-13	Improvements to road from SH link to Maldoddi via kothadoddi J (Road ID- 4481) in Raichur PIU - ADB Financed	4481	3.09
1221	Raichur	Raichur	Raichur Rural	ADB-KPP-CIR03-23-13	Improvements to road from Mandalgera cross to Wadlmdoddi (Road ID- 4507) in Raichur PIU - ADB Financed	4507	2.31
1222	Raichur	Raichur	Sindhanur	ADB-KPP-CIR03-23-14	Improvements to road from jallihal to Ghandmagur (Road ID- 3129) in Raichur PIU - ADB Financed	3129	3.11
1223	Raichur	Raichur	Sindhanur	ADB-KPP-CIR03-23-14	Improvements to road from Gonwar to SH-128 Hedignal cross (Road ID- 3343) in Raichur PIU - ADB Financed	3343	7.00
1224	Raichur	Raichur	Sindhanur	ADB-KPP-CIR03-23-14	Improvements to road from Chirthnal to Donne camp (Road ID- 4483) in Raichur PIU - ADB Financed	4483	3.00
1225	Bangalore rural	Ramanagara	Channapatna	ADB-KPP-CIR01-28-02	Improvements of road from MAHADESHWARA TEMPLE TO MANGALAWARPET VIA HARISANDRA, NEELAKANTANAHALLI, MASIGOWDANADODDI (Road ID 5228) in Bangalore rural PIU- ADB financed.	5228	5.20
1226	Bangalore rural	Ramanagara	Channapatna	ADB-KPP-CIR01-28-02	Improvements of road from HAROOR TO MANKUNDA VIA HANUMAPURADODDI (Road ID 5384) in Bangalore rural PIU- ADB financed.	5384	3.60
1227	Bangalore rural	Ramanagara	Kanakapura	ADB-KPP-CIR01-28-03	Improvements of road from THOPPAGANAHALLI TO GOPASANDRA AND TUNGANI (Road ID 5428) in Bangalore rural PIU- ADB financed.	5428	2.83
1228	Bangalore rural	Ramanagara	Kanakapura	ADB-KPP-CIR01-28-03	Improvements of road from CHATRA TO SUNTARADODDI VIA ANAMANAHALLI, ADANAKUPPE, BARADANAHALLI, UPAKEREDODDI (Road ID 5427) in Bangalore rural PIU- ADB financed.	5427	2.36
1229	Bangalore rural	Ramanagara	Kanakapura	ADB-KPP-CIR01-28-03	Improvements of road from THIGALARAHOSAHALLI TO HULIBELE BOLASHETTYYDODDI ROAD (Road ID 5422) in Bangalore rural PIU- ADB financed.	5422	2.58
1230	Bangalore rural	Ramanagara	Kanakapura	ADB-KPP-CIR01-28-03	Improvements of road from SHIVANAHALLI TO KANAKAPURA - VENKATARAYANADODDI ROAD VIA DODDATANDYA - TULASIDODDI AND KANCHIKALANADODDI (Road ID 5423) in Bangalore rural PIU- ADB financed.	5423	2.00
1231	Bangalore rural	Ramanagara	Magadi	ADB-KPP-CIR01-28-06	Improvements of road from MADBAL MAIN ROAD TO MELANAHALLI VIA PURA, PURAPALYA (Road ID 5206) in Bangalore rural PIU- ADB financed.	5206	2.60
1232	Bangalore rural	Ramanagara	Magadi	ADB-KPP-CIR01-28-06	Improvements of road from KUDUR- SUGGANAHALLI SH LAKKENAHALLI ROAD TO SIDDARANGAIHNAPALYA VIA LAKKENAHALLI COLONY, LAKKENAHALLI (Road ID 5187) in Bangalore rural PIU- ADB financed.	5187	3.00
1233	Bangalore rural	Ramanagara	Magadi	ADB-KPP-CIR01-28-06	Improvements of road from VODDARAPALYA TO MAGADI TUMKUR BORDER VIA KANNUR (Road ID 5188) in Bangalore rural PIU- ADB financed.	5188	2.40
1234	Bangalore rural	Ramanagara	Ramanagaram	ADB-KPP-CIR01-28-08	Improvements of road from NANJAPURA TO KURUBARAHALLI (Road ID 5217) in Bangalore rural PIU- ADB financed.	5217	2.85
1235	Bangalore rural	Ramanagara	Ramanagaram	ADB-KPP-CIR01-28-08	Improvements of road from DODDAMARALAWADI TO KRISHNABOVIDODDI VIA TUKARAMADODDI (Road ID 5142) in Bangalore rural PIU- ADB financed.	5142	2.20
1236	Bangalore rural	Ramanagara	Ramanagaram	ADB-KPP-CIR01-28-08	Improvements of road from MALLENAHALLI TO BASAVANAPURA VIA MARIGOWDANADODDI (Road ID 5180) in Bangalore rural PIU- ADB financed.	5180	2.40
1237	Shikaripura	Shimoga	Shikaripura	ADB-KPP-CIR04-24-08	Improvements of road from Chikkamagadi SH to Chikkeruru (Hirekeruru taluq border) Road (Road ID 5434) in Shikaripura PIU- ADB financed.	5434	1.60
1238	Shikaripura	Shimoga	Shikaripura	ADB-KPP-CIR04-24-08	Improvements of road from Shikaripura-Honnalli (SH) main road to Nalinakoppa Thanda (Road ID 5442) in Shikaripura PIU- ADB financed.	5442	3.60
1239	Shivamogga	Shivamogga	Bhadravathi	ADB-KPP-CIR04-24-12	Improvements of road from SH57 Near Rambhaguri Colony To SH57 Near Garrage Camp (Road ID 2628) in Shivamogga PIU- ADB financed.	2628	2.10
1240	Shivamogga	Shivamogga	Bhadravathi	ADB-KPP-CIR04-24-12	Improvements of road from C B Road To Lakkappana Camp (Road ID 5334) in Shivamogga PIU- ADB financed.	5334	1.01
1241	Shikaripura	Shivamogga	Shikaripura	ADB-KPP-CIR04-24-08	Improvements of road from Bandaik to narasapura (Road ID 2611) in Shikaripura PIU- ADB financed.	2611	2.80
1242	Shikaripura	Shivamogga	Shikaripura	ADB-KPP-CIR04-24-08	Improvements of road from Ambarkoppa MDR to Gandhinagara. (Road ID 5345) in Shikaripura PIU- ADB financed.	5345	2.00
1243	Shivamogga	Shivamogga	Shimoga	ADB-KPP-CIR04-24-13	Improvements of road from shimogga - Savalanga Main Road(Navle) To Basavanagangur (Road ID 4985) in Shivamogga PIU- ADB financed.	4985	2.02
1244	Shivamogga	Shivamogga	Shimoga Rural	ADB-KPP-CIR04-24-14	Improvements of road from Sutkotte To Yadvala Via Rattehalli (Road ID 2324) in Shivamogga PIU- ADB financed.	2324	2.19
1245	Tumakuru	Tumakuru	Chikknayakan halli	ADB-KPP-CIR01-25-27	Improvements of road from SH47 to Hanumanthapura Via Motihalli (Road ID 361) in Tumakuru PIU- ADB financed.	361	4.23
1246	Tumakuru	Tumakuru	Chikknayakan halli	ADB-KPP-CIR01-25-27	Improvements of road from Huchanahalli Gate (MDR) to Chowlakatte (MDR) Via Huchanahalli & Sooralamavu (Road ID 1147) in Tumakuru PIU- ADB financed.	1147	6.85
1247	Tumakuru	Tumakuru	Gubbi	ADB-KPP-CIR01-25-08	Improvements of road from Galaga to T 06 (Road ID 3177) in Tumakuru PIU- ADB financed.	3177	2.70
1248	Tumakuru	Tumakuru	Gubbi	ADB-KPP-CIR01-25-08	Improvements of road from K G Temple Sirivara Road to S Kodihalli (Road ID 3169) in Tumakuru PIU- ADB financed.	3169	2.15
1249	Tumakuru	Tumakuru	Gubbi	ADB-KPP-CIR01-25-08	Improvements of road from Chikkakunnala to V.Kodihalli Via D Kunal AKC Kambathnapalya (Road ID 3172) in Tumakuru PIU- ADB financed.	3172	3.21
1250	Tumakuru	Tumakuru	Gubbi	ADB-KPP-CIR01-25-08	Improvements of road from K G Temple to Jegganahalli Via Chakenahalli (Road ID 3179) in Tumakuru PIU- ADB financed.	3179	2.56
1251	Tumakuru	Tumakuru	Gubbi	ADB-KPP-CIR01-25-08	Improvements of road from K G Temple to Islampura Via Dadubaipalya (Road ID 3960) in Tumakuru PIU- ADB financed.	3960	2.01

1252	Tumakuru	Tumakuru	Gubbi	ADB-KPP-CIR01-25-08	Improvements of road from Doddanetigunte to MDR Via Servegarnapalya (Road ID 4618) in Tumakuru PIU- ADB financed.	4618	2.37
1253	Sira	Tumakuru	Koratagere	ADB-KPP-CIR01-25-16	Improvements of road from Improvements toRoad from Obanahalli cross to Sira-Koratagere border via Obanahalli (Road ID 5462) in Sira PIU- ADB financed.	5462	2.76
1254	Sira	Tumakuru	Koratagere	ADB-KPP-CIR01-25-16	Improvements of road from SH-94 Road to Sunkadahalli cross(Holle Nanjundeshwara Temple) via Lakkaiahnapalya,Chinnahalli (Road ID 5477) in Sira PIU- ADB financed.	5477	3.10
1255	Sira	Tumakuru	Koratagere	ADB-KPP-CIR01-25-16	Improvements of road from Sanjevapura to Purvara-ID Halli Road via Upparapalya,Doddagahalli (Road ID 5458) in Sira PIU- ADB financed.	5458	2.37
1256	Tumakuru	Tumakuru	Koratagere	ADB-KPP-CIR01-25-16	Improvements of road from SH-94 Road to Thimmasandra-Huluvangala Road via Thimmanayakanahalli (Road ID 2266) in Tumakuru PIU- ADB financed.	2266	1.26
1257	Tumakuru	Tumakuru	Koratagere	ADB-KPP-CIR01-25-16	Improvements of road from Holavunhalli-Lingapura Road to SH-94 Road via Bhaktarahalli,Chikkasaggere (Road ID 4366) in Tumakuru PIU- ADB financed.	4366	3.60
1258	Tumakuru	Tumakuru	Kunigal	ADB-KPP-CIR01-25-10	Improvements of road from MDR to Tumakuru Border Via Kattapalya Channayyanapalya Kuriberaiahnapalya (Road ID 2998) in Tumakuru PIU- ADB financed.	2998	3.69
1259	Tumakuru	Tumakuru	Kunigal	ADB-KPP-CIR01-25-10	Improvements of road from K Honnamachanahalli to Sondekoppa Via Balekatte Gajjanapalya Hosapalya Puttaianapalya (Road ID 3083) in Tumakuru PIU- ADB financed.	3083	6.40
1260	Tumakuru	Tumakuru	Kunigal	ADB-KPP-CIR01-25-10	Improvements of road from Pavasandra to Hosuru (Road ID 3001) in Tumakuru PIU- ADB financed.	3001	3.02
1261	Tumakuru	Tumakuru	Kunigal	ADB-KPP-CIR01-25-10	Improvements of road from SH 85 to R Byadrahalli Via Ankanahalli (Road ID 5375) in Tumakuru PIU- ADB financed.	5375	2.58
1262	Tumakuru	Tumakuru	Kunigal	ADB-KPP-CIR01-25-10	Improvements of road from Yachaghatta to T-01 (Road ID 1592) in Tumakuru PIU- ADB financed.	1592	4.17
1263	Sira	Tumakuru	Madhugiri	ADB-KPP-CIR01-25-18	Improvements of road from Madhugiri-Hindupura Road to Chikkamalur via Kempapura (Road ID 5473) in Sira PIU- ADB financed.	5473	2.00
1264	Sira	Tumakuru	Madhugiri	ADB-KPP-CIR01-25-18	Improvements of road from Hosakere-Muddenahally Road to Tippapura (Road ID 5389) in Sira PIU- ADB financed.	5389	1.90
1265	Tumakuru	Tumakuru	Madhugiri	ADB-KPP-CIR01-25-18	Improvements of road from Bramasandra to yaragunte cross via Bandenhalli (Road ID 3572) in Tumakuru PIU- ADB financed.	3572	3.00
1266	Tumakuru	Tumakuru	Madhugiri	ADB-KPP-CIR01-25-18	Improvements of road from Nirakallu to channamallenhalli (Road ID 3976) in Tumakuru PIU- ADB financed.	3976	2.93
1267	Tumakuru	Tumakuru	Madhugiri	ADB-KPP-CIR01-25-18	Improvements of road from Kurkenahally to Mutharayanahalli cross (Road ID 4527) in Tumakuru PIU- ADB financed.	4527	3.48
1268	Sira	Tumakuru	Pavagada	ADB-KPP-CIR01-25-19	Improvements of road from Arlahalli to Byadanoor (Road ID 5476) in Sira PIU- ADB financed.	5476	4.18
1269	Sira	Tumakuru	Pavagada	ADB-KPP-CIR01-25-19	Improvements of road from Rangasamudra to B Hosahalli (Road ID 5487) in Sira PIU- ADB financed.	5487	10.56
1270	Sira	Tumakuru	Pavagada	ADB-KPP-CIR01-25-19	Improvements of road from Rajavanti to Krishnagiri Cross via Chikanayakanahalli,veerlagondi,Kannamed (Road ID 2031) in Sira PIU- ADB financed.	2031	8.87
1271	Sira	Tumakuru	Sira	ADB-KPP-CIR01-25-22	Improvements of road from sira-changavara Road to Brahmasandra (Road ID 5498) in Sira PIU- ADB financed.	5498	2.32
1272	Sira	Tumakuru	Sira	ADB-KPP-CIR01-25-22	Improvements of road from Chikkabanagere to Doddabanagere (Road ID 5495) in Sira PIU- ADB financed.	5495	3.01
1273	Tumakuru	Tumakuru	Sira	ADB-KPP-CIR01-25-22	Improvements of road from Tarur-Thalagunda Road to Mayasandra (Road ID 4045) in Tumakuru PIU- ADB financed.	4045	3.13
1274	Tumakuru	Tumakuru	Sira	ADB-KPP-CIR01-25-22	Improvements of road from Gonihally to Baragur-Madalur Road via Rangapura (Road ID 4159) in Tumakuru PIU- ADB financed.	4159	4.07
1275	Tumakuru	Tumakuru	Sira	ADB-KPP-CIR01-25-22	Improvements of road from Seegahalli to Ragalahally (Road ID 4161) in Tumakuru PIU- ADB financed.	4161	4.30
1276	Tumakuru	Tumakuru	Sira	ADB-KPP-CIR01-25-22	Improvements of road from Dasarhally to Nandihally via Venkatapura (Road ID 4323) in Tumakuru PIU- ADB financed.	4323	1.97
1277	Tumakuru	Tumakuru	Tiptur	ADB-KPP-CIR01-25-28	Improvements of road from Byranayakanahalli to Thimmalapura Via Vasudevarahalli & Harachanahalli (Road ID 2516) in Tumakuru PIU- ADB financed.	2516	3.41
1278	Tumakuru	Tumakuru	Tumkur City	ADB-KPP-CIR01-25-12	Improvements of road from NH 48 to Marijappanahalli Via Marelenahalli (Road ID 4864) in Tumakuru PIU- ADB financed.	4864	2.03
1279	Tumakuru	Tumakuru	Tumkur City	ADB-KPP-CIR01-25-12	Improvements of road from NH 48 to 48 Via Rangapura and Bhovipalya (Road ID 4839) in Tumakuru PIU- ADB financed.	4839	3.38
1280	Tumakuru	Tumakuru	Tumkur Rural	ADB-KPP-CIR01-25-14	Improvements of road from Tamdihalli Cross to Jolamaranahalli Via Thamadhalli (Road ID 3064) in Tumakuru PIU- ADB financed.	3064	2.56
1281	Tumakuru	Tumakuru	Tumkur Rural	ADB-KPP-CIR01-25-14	Improvements of road from Hirehally to Nelamangala Border Via Haraluru Baichapura Rytharapalya (Road ID 3070) in Tumakuru PIU- ADB financed.	3070	7.76
1282	Tumakuru	Tumakuru	Tumkur Rural	ADB-KPP-CIR01-25-14	Improvements of road from Govindanayakanapalya to Bhovipalya Via Hiredoddavadi (Road ID 3769) in Tumakuru PIU- ADB financed.	3769	2.86
1283	Tumakuru	Tumakuru	Turuvekere	ADB-KPP-CIR01-25-06	Improvements of road from Chandrashekarapura to Hurulgere Via C Kodagihalli (Road ID 3758) in Tumakuru PIU- ADB financed.	3758	3.86
1284	Tumakuru	Tumakuru	Turuvekere	ADB-KPP-CIR01-25-06	Improvements of road from Pura to Lalanakatte via varahasandra MDR (Pura Gate) (Road ID 5358) in Tumakuru PIU- ADB financed.	5480	2.37
1285	Uttara Kannada	Uttara Kannada	Haliyal	ADB KPP-CIR05-27-15	Improvements of road from Muttalmuri (SH93) to Taluk Boundary (Road ID 5468) in Uttara Kannada PIU- ADB financed.	5468	3.05
1286	Uttara Kannada	Uttara Kannada	Karwar	ADB KPP-CIR05- 27-13	Improvements of road from Aurad Sadashivgad(SH-34) road to Hosali Angadi Road (Road ID 5358) in Uttara Kannada PIU- ADB financed.	5358	2.63
1287	Uttara Kannada	Uttara Kannada	Kumta	ADB KPP-CIR05- 27-14	Improvements of road from SH 143 to Toregazani via nuranapur (Road ID 2726) in Uttara Kannada PIU- ADB financed.	2726	1.01
1288	Ballari	Vijayanagara	Hadagali	ADB-KPP-CIR-03-31-05	Imporvements to road from Sibara to Angoor (Road ID- 4800) in Ballari PIU - ADB Financed	4800	2.06
1289	Ballari	Vijayanagara	Hadagali	ADB-KPP-CIR03-31-05	Imporvements to road from Hampasagara Colony - 1 to Hampasagara colony - 3 (Road ID- 3793) in Ballari PIU - ADB Financed	3793	1.59
1290	Ballari	Vijayanagara	Hadagali	ADB-KPP-CIR03-31-05	Imporvements to road from Hanakanahalli to Mudenoor via Devagondenahalli (Road ID- 4535) in Ballari PIU - ADB Financed	4535	2.45
1291	Ballari	Vijayanagara	Hadagali	ADB-KPP-CIR03-31-05	Imporvements to road from SH to Navali (Road ID- 4912) in Ballari PIU - ADB Financed	4912	2.93
1292	Ballari	Vijayanagara	Hagaribomma nahalli	ADB-KPP-CIR03-31-06	Imporvements to road from MDR to Kintur Cross (Road ID- 838) in Ballari PIU - ADB Financed	838	2.00
1293	Ballari	Vijayanagara	Hagaribomma nahalli	ADB-KPP-CIR03-31-06	Imporvements to road from Kottur SH to Sangameshwara Via Kudithinamaggi (Road ID- 835) in Ballari PIU - ADB Financed	835	4.90
1294	Ballari	Vijayanagara	Hagaribomma nahalli	ADB-KPP-CIR03-31-06	Imporvements to road from Kottur Harapanahalli SH to Jolada Kudligi MDR Via Chapparadahalli - Marur (Road ID- 3487) in Ballari PIU - ADB Financed	3487	4.50
1295	Ballari	Vijayanagara	Hagaribomma nahalli	ADB-KPP-CIR03-31-06	Imporvements to road from Mothikal Thanda to Doopadahalli Thanda Via Doopadahalli (Road ID- 3492) in Ballari PIU - ADB Financed	3492	4.40

1296	Ballari	Vijayanagara	Kudligi	ADB-KPP-CIR03-31-07	Improvements to road from Barde-Basapura thanda to Govindagiri cross (Road ID- 4868) in Ballari PIU - ADB Financed	4868	2.54
1297	Ballari	Vijayanagara	Kudligi	ADB-KPP-CIR03-31-07	Improvements to road from Yembli vaddarahatti to Kenchammanahalli (Road ID- 4869) in Ballari PIU - ADB Financed	4869	2.50
1298	Ballari	Vijayanagara	Vijayanagara	ADB-KPP-CIR03-31-08	Improvements to road from Hampi to Gangamma gudi near Singhanathanahalli village (Road ID- 5391) in Ballari PIU - ADB Financed	5391	4.00
1299	Vijayapura	Vijayapura	Babaleshwar	ADB-KPP-CIR02-07-02	Improvements of road from Sangapur H to Katral Road (Road ID 2308) in Vijayapura PIU- ADB financed.	2308	5.03
1300	Vijayapura	Vijayapura	Babaleshwar	ADB-KPP-CIR02-07-02	Improvements of road from Mamadapur to Kodabagi. (Road ID 4960) in Vijayapura PIU- ADB financed.	4960	3.71
1301	Vijayapura	Vijayapura	Babaleshwar	ADB-KPP-CIR02-07-02	Improvements of road from: Devapur to Kambagi (Road ID 4995) in Vijayapura PIU- ADB financed.	4995	6.32
1302	Vijayapura	Vijayapura	Basavana Bagevadi	ADB-KPP-CIR02-07-04	Improvements of road from Managuli to Islampur LT 2 (Road ID 5236) in Vijayapura PIU- ADB financed.	5236	3.53
1303	Vijayapura	Vijayapura	Basavana Bagevadi	ADB-KPP-CIR02-07-04	Improvements of road from Ballawur to Basavana Bagevadi (Road ID 5237) in Vijayapura PIU- ADB financed.	5237	5.50
1304	Vijayapura	Vijayapura	Basavana Bagevadi	ADB-KPP-CIR02-07-04	Improvements of road from B.Bagevadi-Ingaleshwara MDR road to join Ingaleshwara Majareballawur (Road ID 5238) in Vijayapura PIU- ADB financed.	5238	2.82
1305	Vijayapura	Vijayapura	Basavana Bagevadi	ADB-KPP-CIR02-07-04	Improvements of road from SH to Nandihal PU (Road ID 5245) in Vijayapura PIU- ADB financed.	5245	2.86
1306	Vijayapura	Vijayapura	Bijapur City	ADB-KPP-CIR02-07-06	Improvements of road from Improvements to from Vijayapur-Jamkhadi Road to Topu Tanda via Kandasari Tanda (Road ID 5154) in Vijayapura PIU- ADB financed.	5154	3.19
1307	Vijayapura	Vijayapura	Bijapur City	ADB-KPP-CIR02-07-06	Improvements of road from: Toravi to Karihal Vasti (Road ID 5155) in Vijayapura PIU- ADB financed.	5155	3.59
1308	Vijayapura	Vijayapura	Devara Hippargi	ADB-KPP-CIR02-07-08	Improvements of road from: Kudaragond Village to Yalagod Village (Road ID 2921) in Vijayapura PIU- ADB financed.	2921	4.09
1309	Vijayapura	Vijayapura	Devara Hippargi	ADB-KPP-CIR02-07-08	Improvements of road from: Korawar Village to Mallal Village (Road ID 2923) in Vijayapura PIU- ADB financed.	2923	4.60
1310	Vijayapura	Vijayapura	Indi	ADB-KPP-CIR02-07-10	Improvements of road from: Savalsang to Hadalasang. (Road ID 4999) in Vijayapura PIU- ADB financed.	4999	6.80
1311	Vijayapura	Vijayapura	Indi	ADB-KPP-CIR02-07-10	Improvements of road from Shirkanalli to Prabhudevarebetta (Road ID 4918) in Vijayapura PIU- ADB financed.	4918	4.60
1312	Vijayapura	Vijayapura	Indi	ADB-KPP-CIR02-07-10	Improvements of road from: Indi to Kesaral LT. (Road ID 5004) in Vijayapura PIU- ADB financed.	5004	3.70
1313	Vijayapura	Vijayapura	Muddebihal	ADB-KPP-CIR02-07-12	Improvements of road from Yarzari-Handaragal Cross-Nagaral (Road ID 4909) in Vijayapura PIU- ADB financed.	4909	2.74
1314	Vijayapura	Vijayapura	Muddebihal	ADB-KPP-CIR02-07-12	Improvements of road from Bidarakundi to Hadalageri (Road ID 4910) in Vijayapura PIU- ADB financed.	4910	1.65
1315	Vijayapura	Vijayapura	Muddebihal	ADB-KPP-CIR02-07-12	Improvements of road from Nalatawad to Kapanur (Road ID 1620) in Vijayapura PIU- ADB financed.	1620	6.70
1316	Vijayapura	Vijayapura	Muddebihal	ADB-KPP-CIR02-07-12	Improvements of road from Amarago-Hadagali-Bailakur-Madari (Road ID 4906) in Vijayapura PIU- ADB financed.	4906	3.87
1317	Vijayapura	Vijayapura	Nagthan	ADB-KPP-CIR02-07-14	Improvements of road from: Shivanagi to Shivanagi LT. (Road ID 5054) in Vijayapura PIU- ADB financed.	5054	3.00
1318	Vijayapura	Vijayapura	Nagthan	ADB-KPP-CIR02-07-14	Improvements of road from: Chadchan to MH Border. (Road ID 5300) in Vijayapura PIU- ADB financed.	5300	5.60
1319	Vijayapura	Vijayapura	Nagthan	ADB-KPP-CIR02-07-14	Improvements of road from: Old Sankha to Nivaragi (Road ID 5327) in Vijayapura PIU- ADB financed.	5327	3.63
1320	Vijayapura	Vijayapura	Sindgi	ADB-KPP-CIR02-07-16	Improvements of road from Chatarakli to Bantihal Via Vidyapeetha (Road ID 254) in Vijayapura PIU- ADB financed.	254	6.43
1321	Vijayapura	Vijayapura	Sindgi	ADB-KPP-CIR02-07-16	Improvements of road from Bommanahalli to Kumasagi (Road ID 5277) in Vijayapura PIU- ADB financed.	5277	5.73
1322	Vijayapura	Vijayapura	Sindgi	ADB-KPP-CIR02-07-16	Improvements of road from sungthan to simisiddeshwar cross in sindagi vijaypur district (Road ID 5285) in Vijayapura PIU- ADB financed.	5285	3.00
1323	Ballari	Vijayanagar	Vijayanagara	ADB-KPP-CIR03-31-08	Improvements to road from Hosa Malapanagudi to kaddirampura thanda (Road ID- 3381) in Ballari PIU - ADB Financed	3381	4.11
1324	Kalburgi	Yadgir	Gurmitkal	ADB-KPP-CIR06-30-06	Improvements of road from M T Palli Cross to Gajarkot (Road ID 5338) in Kalaburagi PIU- ADB financed.	5338	6.02
1325	Kalburgi	Yadgir	Gurmitkal	ADB-KPP-CIR06-30-06	Improvements of road from Chapetla to MT Palli (Road ID 2289) in Kalaburagi PIU- ADB financed.	2289	5.91
1326	Kalburgi	Yadgir	Shahapur	ADB-KPP-CIR06-30-07	Improvements of road from Bantihal to Gogi(K) (Road ID 4762) in Kalaburagi PIU- ADB financed.	4762	5.80
1327	Kalburgi	Yadgir	Shahapur	ADB-KPP-CIR06-30-07	Improvements of road from Maddarki to Taluka Border (Padagadahalli) (Road ID 4766) in Kalaburagi PIU- ADB financed.	4766	3.33
1328	Kalburgi	Yadgir	Shahapur	ADB-KPP-CIR06-30-07	Improvements of road from Kembhavi to Yedayapur Via Murkhal (Road ID 4767) in Kalaburagi PIU- ADB financed.	4767	4.69
1329	Kalburgi	Yadgir	Shorapur	ADB-KPP-CIR06-30-08	Improvements of road from MDR TO SONNAPUR SANNA TANDA VIA HANUMANAL (Road ID 2486) in Kalaburagi PIU- ADB financed.	2486	4.90
1330	Kalburgi	Yadgir	Shorapur	ADB-KPP-CIR06-30-08	Improvements of road from Rajankollur To Goddalmari Cross via Rajawal, Kadadral , Bomnangudda (Road ID 2502) in Kalaburagi PIU- ADB financed.	2502	8.24
1331	Kalburgi	Yadgir	Shorapur	ADB-KPP-CIR06-30-08	Improvements of road from Kakkera Main Road to Yadalbavi (Road ID 5000) in Kalaburagi PIU- ADB financed.	5000	5.30
1332	Kalburgi	Yadgir	Yadgir	ADB-KPP-CIR06-30-05	Improvements of road from SH 15 to Parsapur Via Beemur and Sawoor (Road ID 4386) in Kalaburagi PIU- ADB financed.	4386	5.85
1333	Kalburgi	Yadgir	Yadgir	ADB-KPP-CIR06-30-05	Improvements of road from Anwar to T Wadagera via Hayyal K (Road ID 2279) in Kalaburagi PIU- ADB financed.	2279	6.59
1334	Kalburgi	Yadgir	Yadgir	ADB-KPP-CIR06-30-05	Improvements of road from Naikal to Malahalli (Road ID 5382) in Kalaburagi PIU- ADB financed.	5382	4.20
1335	Kalburgi	Yadgir	Yadgir	ADB-KPP-CIR06-30-05	Improvements of road from Koirur to Helgera Road (Road ID 5383) in Kalaburagi PIU- ADB financed.	5383	1.90

Appendix 2A List 51 Bridges

List of Bridges

S.No.	Bridge ID/Road ID	Name of Bridge	Coordinates/Km		Village Name	Constituency Name	District	Bridge length	Span Arrangement	Culvert type or pier type of foundation	Number of piers	Number of culvert
			Lat	Long								
1	3644	Construction of Long Span Bridge @ Ch 0.09 km of Road From Bankaneri to join SH (Road ID-3644)	15°52' 33.5474"N	75°32' 24.4999"E	Bankaneri	Bagikote	Badami	25	3.0 x 3.0 m, 6 Vents Box Culverts	Box Culverts	6	1
2	131	Construction of Long Span Bridge @ 0.15 km of road from Yanagappa SH to Shivapura MDR Road ID (131)	15°53' 30.335"N	75°39' 36.783"E	Yanagappa	Bagikote	Badami	30	3.0 x 3.0 m, 6 Vents Box Culverts	Box Culverts	6	1
3	1571	Construction of Long Span Bridge @ Ch 2.6 km of Road From Bommnangi (MDR) to Join NH Road ID (1571)	16°13' 33.2441"N	75°59' 12.344"E	Devalapur	Bagikote	Bagalkote	18	2.0 x 2.0 m, 6 Vents Box Culverts	Box Culverts	6	1
4	1571	Construction of Long Span Bridge @ Ch 2.706m of Road From Bommnangi (MDR) to Join NH Road ID (1571)	16°13' 30.0729"N	75°59' 11.6519"E	Devalapur	Bagikote	Bagalkote	15	2.0 x 2.0 m, 6 Vents Box Culverts	Box Culverts	6	1
5	1571	Construction of Long Span Bridge @ Ch 1.41 km of Road From Bommnangi (MDR) to Join NH Road ID (1571)	16°14' 55.565"N	75°59' 25.538"E	Devalapur	Bagikote	Bagalkote	16	2.0 x 2.0 m, 5 Vents Box Culverts	Box Culverts	6	1
6	166	Construction of Long Span Bridge @ Ch 0.642 km of Road From Hiremangari to Join T-02 Road ID (166)	16°13' 25.0529"N	75°59' 49.8962"E	Hiremangari	Bagikote	Bagalkote	28	3.0 x 3.0 m, 6 Vents Box Culverts	Box Culverts	6	1
7	166	Construction of Vented Causeway @ Ch 3.516 km of Road From Hiremangari to Join T-02 Road ID (166)	16°14' 51.3139"N	76°0' 40.8265"E	Hiremangari	Bagikote	Bagalkote	39	Vented Causeway 20 Rows	Vented Causeway	20	1
8	4063	Construction of Box Culvert @ 0.75 km in Gundnappa RC to Shirur Road ID (4063)	16°7' 55.5192"N	75°44' 59.833"E	Gundnappalli	Bagikote	Bagalkote	25.5	3 x 2.5, 8 Vents	Box Culverts	8	1
9	4598	Construction of Long Span Bridge @ Ch 1.738 km of Road From Malagi to Batakurki SH Via Nanuru LT1 & LT2 Road ID (4598)	16°3' 17.3528"N	75°31' 3.2866"E	Malagi	Bagikote	Bilagi	28	2.0 x 2.0 m, 11 Vents Box Culverts	Box Culverts	11	1
10	4598	Construction of Vented Causeway @ Ch 2.19 km of Road From Malagi to Batakurki SH Via Nanuru LT1 & LT2 Road ID (4598)	16°3' 29.3439"N	75°30' 56.6554"E	Malagi	Bagikote	Bilagi	35	Vented Causeway 18 Rows	Vented Causeway	18	1
11	4932	Construction of Long Span Box Culvert 6.0 x 3.0 m 14 vents at Ch 0.73 km to Ch 0.84 km road from Haldanahalli Laya to Biskuru Road Via Kappappa, Honsale Road (Road ID 4932)	13° 09' 32.67" N	77° 07' 09.83" E	KUPPEPALYA	Bangalore south/Ramanagara	Magedi	106	6.0 M X 3.0 M - 14 Vents Box Culvert	Box Culverts	13	1
12	2852	Construction of Long span Bridge at Ch 4.050 km for road from Kurubarahalli to Kurubarahalli (Road ID: 2852)	13°54'50.78"N	76°3'130.52"E	Kurubarahalli	Chitradurga	Hiriyuru	28	4.0 x 4.0, 6 Vents Box	Box Culvert	6	1
13	4207	Construction of Long Span Bridge @ Ch 2.758km of Nimbapura to V.Ramnarahalli via Nugehalli, Honnamarahalli, Bommnahalli, Hiregampur, Yeragattihalli Road ID (4207)	14° 41' 451.45"N	75°59'53.57"E	NUGGEHALLI	Davanagere	Channagiri	70	3 X 3.6 Vents	Box Culvert	6	1
14	755	Construction of Long Span Bridge @ Ch 1.87 km of SH near Malabesuru to Taluk border (Banskodu via Nitru Road ID (755)	14°20'35.90"N	75°47'30.88"E	BANNKODU	Davanagere	Harhara	25	3 X 3.6 Vents	Box Culvert	6	1
15	5306	Construction of Long Span Bridge @ Ch 2.110 km of Nalkunda to Taluka Border (Harpur) via Hyatharahalli Road ID (5306)	14°13'42.91"N	76° 3'44.35"E	KYATHANAHALLY	Davanagere	Mayskonda	60	6V X 9.0m Equal Span_Deck_Slab	Deck Slab & open Foundation for Pier	5	1
16	205	Construction of Long Span Bridge @ Ch 2.020 km of Road From Gongadikoppa to Dhanwad - Helatur road (Near Ayyappaeswamy temple) (Road ID-205)	15° 28.181"N	75° 4.274"E	Gongadikoppa	Dhanwad	Dhanwad	24.9	3.0 X 3.0, 6 Vents Box	Box Culverts	NA	1
17	205	Construction of Long Span Bridge @ Ch 3.300 km of Road From Gongadikoppa to Dhanwad - Helatur road (Near Ayyappaeswamy temple) (Road ID-205)	15° 28.324"N	75° 2.945"E	Gongadikoppa	Dhanwad	Dhanwad	15.58	3.0 X 3.0, 4 Vents Box	Box Culverts	NA	1
18	4837	Construction of Long Span Bridge @ Ch 1.15 km of Road From Sutagetti to Nigatti(Road ID-4837)	15° 23.514"N	75° 3.595"E	Sutagetti,Nigatti	Dhanwad	Hubi-Dhanwad West	18.95	5 V, (3 m x 2.5 m) Box Culvert	Box Culverts	NA	1
19	3097	Construction of Long Span Bridge @ Ch 0.772 km of Road From Malkai to Aralhonda (Road ID- 3097)	15° 6.920"N	75° 0.827"E	Malkai	Dhanwad	Kalghatagi	17.42	7 V, (2 m x 2 m) Box Culvert	Box Culverts	NA	1
20	3097	Construction of Long Span Bridge @ Ch 1.252 km of Road From Malkai to Aralhonda (Road ID- 3097)	15° 6.769"N	75° 0.841"E	Malkai	Dhanwad	Kalghatagi	21.48	6 V, (3 m x 2 m) Box Culvert	Box Culverts	NA	1
21	346	Construction of Long Span Bridge @ Ch 0.48 km of Road From Malkankoppa to Shivapur via Jimnur(Road ID-346)	15° 9.699"N	75° 2.007"E	Malkankoppa,Shivanapur , Jimnur	Dhanwad	Kalghatagi	17.42	7 V, (2 m x 2 m) Box Culvert	Box Culverts	NA	1
22	346	Construction of Long Span Bridge @ Ch 1.30 km of Road From Malkankoppa to Shivapur via Jimnur(Road ID-346)	15° 9.919"N	75° 0.545"E	Malkankoppa,Shivanapur , Jimnur	Dhanwad	Kalghatagi	17.42	7 V, (2 m x 2 m) Box Culvert	Box Culverts	NA	1
23	5291	Construction of Long Span Bridge @ Ch 2.250 km of road from Vittalapur near Ramankoppa to Kuthihur (Road ID 5291)	15° 9.392"N	75° 10.423"E	Vittalapur	Dhanwad	Kundagol	18.08	6 V, (3 m x 3 m) Box Culvert	Box Culverts	NA	1
24	5291	Construction of Long Span Bridge @ Ch 1.5 km of road from Vittalapur near Ramankoppa to Kuthihur (Road ID 5291)	15° 9.579"N	75° 11.429"E	Vittalapur	Dhanwad	Kundagol	18.2	4 V, (4 m x 3.5 m) Box Culvert	Box Culverts	NA	1
25	46	Construction of Long Span Bridge @ Ch 3.48 km of Road from Mirab to Amminahalli (Road ID- 46)	15° 34.089"N	75° 7.708"E	Mirab	Dhanwad	Navalgund	24.9	6 V, (3 m x 3 m) Box Culvert	Box Culverts	NA	1
26	46	Construction of Long Span Bridge @ Ch 0.30 km of Road from Mirab to Amminahalli (Road ID- 46)	15° 34.945"N	75° 9.242"E	Mirab	Dhanwad	Navalgund	49.26	9 V, (4 m x 4 m) Box Culvert	Box Culverts	NA	1
27	3575	Construction of Long Span Bridge @ Ch 8.28 km of Road from Nagai to Kaleswara via Advaisomapura (Road ID 3575)	15° 23.278"N	75° 38.210"E	Kalsapur	Gadag	Gadag	19.01	5 V, (3 m x 3 m) Box Culvert	Box Culverts	NA	1
28	3575	Construction of Long Span Bridge @ Ch 0.36 km of Road from Nagai to Kaleswara via Advaisomapura (Road ID 3575)	15° 21.800"N	75° 37.252"E	Nagni	Gadag	Gadag	15.61	4 V, (3 m x 3 m) Box Culvert	Box Culverts	NA	1
29	4213	Construction of Long Span Bridge @ Ch 0.15 km of Road from Magund to Yelshirur (Road ID 4213)	15° 16.783"N	75° 32.007"E	Magund	Gadag	Gadag	17.02	4 V, (3 m x 2.5 m) Box Culvert	Box Culverts	NA	1
30	1474	Construction of Long Span Bridge @ Ch 0.785 km of Road from SH to Narayanapur via Beralakoppa Neeragi (Road ID 1474)	15° 31.187"N	75° 44.370"E	Beralakoppa	Gadag	Nargund	20.96	5 V, (3 m x 2.5 m) Box Culvert	Box Culverts	NA	1
31	1474	Construction of Long Span Bridge @ Ch 4.56 km of Road from SH to Narayanapur via Beralakoppa Neeragi (Road ID 1474)	15° 30.874"N	75° 43.742"E	Beralakoppa	Gadag	Nargund	24.9	6 V, (3 m x 3 m) Box Culvert	Box Culverts	NA	1
32	1474	Construction of Long Span Bridge @ Ch 2.485 km of Road from SH to Narayanapur via Beralakoppa Neeragi (Road ID 1474)	15° 30.521"N	75° 42.880"E	Beralakoppa	Gadag	Nargund	32.22	9 V, (3 m x 3 m) Box Culvert	Box Culverts	NA	1
33	55	Construction of Long Span Bridge @ Ch 0.574 km of Road from Mundragi to Eklesapur (Road ID 55)	15° 17.955"N	75° 52.967"E	Eklesapur	Gadag	Ron	21.48	6 V, (3 m x 3 m) Box Culvert	Box Culverts	NA	1
34	4287	Construction of Long Span Bridge @ Ch 2.74 km of Road from Haradagatti to F.Badri (Road ID 4287)	15° 6.844"N	75° 32.486"E	F. Badri	Gadag	Shirahatti	28.16	7 V, (3 m x 3 m) Box Culvert	Box Culverts	NA	1

35	144	Construction of Long Span Bridge @ Ch 2.23 km of Road from Aikagund to SH-6 (Road ID 144)	15° 10.032'N	75° 30.525'E	Aikagund	Gadag	Shirahatti	32.22	9 V. (3 m x 3 m) Box Culvert	Box Culverts	NA	1
36	5406	Construction of Long Span Bridge at Ch 2.990km.MRL-03 Chikaharabelli to Chikaharabelli (Road ID 1328)	14°45'40.01"N	75°40'20.47"E	Chikaharabelli	Haveri	Ranebennur	36	4.0 x 4.0 9 Vents Box	Box Culvert	9	1
37	5407	Construction of Long Span Bridge at CH 0.725km.MRL-08 Mantodi to Kanadagi road (Road ID 4550)	15° 1' 18.66"N	75° 16' 1.32"E	Mantodi	Haveri	Shiggaon	30	3.0 x 3.0 10 Vents Box	Box Culvert	10	1
38	2338	Construction of Long Span Bridge @ 2.20 km on Dangasur to Lingadalli cross via tenar road (Road ID (2338)	17°29'38.68"N	75°23'57.53"E	DARGASURUR	Kalaburagi	Aland	18.00	2V X 9.0m Equal Span, Deck_Slab	Deck Slab & open Foundation for Pier	1	1
39	4348	Construction of Long Span Bridge @ 2.33 km on Malgait Cross to Yargal road (Road ID (4348)	17° 7'32.40"N	75°59'41.21"E	MALGATTI	Kalaburagi	Chittapur	18.00	2V X 9.0m Equal Span, Deck_Slab	Deck Slab & open Foundation for Pier	1	1
40	3504	Construction of Long Span Bridge @ 2.07 km on Sammathi MDR to Nalwar MDR road (Road ID - 3504)	16°50'14.47"N	75°59'37.36"E	SUGUR N	Kalaburagi	Chittapur	43.56	9V X 4.0mx4.0m Equal Span Box Culvert	Box Culvert	9	1
41	3504	Construction of Long Span Bridge @ 2.18 km on Sammathi MDR to Nalwar MDR road (Road ID - 3504)	16°50'11.14"N	75°59'53.44"E	SUGUR N	Kalaburagi	Chittapur	21.52	6V X 3.0mx3.0m Equal Span_Box Culvert	Box Culvert	6	1
42	2416	Construction of Long Span Bridge @ 5.01 km on Jawalaga to Gobbarawadagi road (Road ID - 2416)	16°50'31.06"N	75°36'59.31"E	GOSBARAWADAGI	Kalaburagi	Jevargi	14.00	2V X 7.0m Equal Span, Deck_Slab	Deck Slab & open Foundation for Pier	1	1
43	5483	Construction of Long Span Bridge @ 0.81 km on Hipparga SN to Kasanthragga road (Road ID (5483)	16°58'20.86"N	75°35'39.66"E	HIPPARAGA S N	Kalaburagi	Jevargi	54.00	6V X 9.0m Equal Span, Deck_Slab	Deck Slab & open Foundation for Pier	5	1
44	2279	Construction of Bridge at Ch 3.21 km to Road From Anwar to T Wadagers via Hayyal K (Road ID (2279)	16°30'46.45"N	75°56'12.24"E	Hayyalik	Yadgir	Yadgir	48	Deck Slab clear span - 8.00mt of 5vent	Deck Slab & open Foundation for Pier	4	1
45	5495	Construction of Long Span Bridge@Ch 2.96km to Road from Chikabaranaga to Doddabaranaga (Road ID (5495)	14°30'46.45"N	75°56'12.24"E	Doddabaranaga	Tumkur	Sira	36	Deck Slab clear span - 12.00mt of 3vent	Deck Slab & open Foundation for Pier	2	1
46	3731	Construction of Bridge at Ch 0.99km to Road From Mudaranga Pannu Halasirakutalli Bategundi road (Road ID (3731)	13° 10.217'N	74° 50.835'E	Mudaranga	Kaup	Udupi	15	Box culvert (7.00 X 7.00, 2 Vents)	Box Culverts	2 vent Box Bridge	2 vent Box Bridge
47	4872	Construction of Bridge at Ch 1.110 km to Road From Borkalagutta to Kalambad Padavu road (Road ID (4872)	13° 12.887'N	74° 56.580'E	Borkalagutta	Karkala	Udupi	20	Box culvert (8.00 X 8.00, 2 Vents)	Box Culverts	2 vent Box Bridge	2 vent Box Bridge
48	422	MRL -04 Maslakatta to Kolgi Via Kerdige + Bridge (Road ID (422)	14° 42.232'N	74° 27.635'E		Uttara Kannada	Kanwar	30	Box culvert (5.00 X 4.50, 5 Vents)	Box Culverts		
49	4695	Construction of Vented Causeway @ Ch 0.69 km of Road Bidarakundi to Hadhalgi (Road ID (4695)	16°21' 14.9361"N	75°7' 2.9483"E	Bidarakundi	Vijayapur	Muddebihal	30	3 x 3.0, 7 Vents	Box Culverts	7	1
50	4695	Construction of Vented Causeway @ Ch 1.65 km of Road Amrargol - Hutagal-Bidarakundi (Road ID (4695)	16°11' 42.4159"N	75°7' 58.5889"E	Amrargol	Vijayapur	Muddebihal	28	Vented Causeway 20 Rows	Vented Causeway	20	1
51	4695	Construction of Long Span Bridge @ Ch 1.18 km of Huvinali - Uchhanavadagi to Aishalk (Road ID (4695)	17°2' 56.7037"N	75°13' 42.8186"E	Uchhanavadagi	Vijayapur	Sindagi	26	3 x 3.0, 7 Vents	Box Culverts	7	1

Appendix 2B List of 269 Roads

List of 269 Roads							
Sl. No	Division	District	Constituency	MRL/TR	Package No.	Name of the road	Length in Kms
1	Bagalkot	Bagalkot	Badami	MRL 8	ADB-KPP-CIR02-01-03	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	5.20
2	Bagalkot	Bagalkot	Bilgi	MRL 01	ADB-KPP-CIR02-01-08	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.26
3	Bagalkot	Bagalkot	Jamkhandi	MRL 04	ADB-KPP-CIR02-01-19	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	5.18
4	Bagalkot	Bagalkot	Mudhol	MRL 01	ADB-KPP-CIR02-01-20	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.43
5	Ballari	Ballari	Sandur	MRL 16	ADB-KPP-CIR03-05-11	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.00
6	Ballari	Ballari	Sandur	MRL 17	ADB-KPP-CIR03-05-11	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.30
7	Ballari	Ballari	Sandur	MRL 7	ADB-KPP-CIR03-05-11	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	5.27
8	Ballari	Ballari	Siraguppa	MRL 05	ADB-KPP-CIR03-05-12	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.28
9	Belagavi	Belagavi	Athani	MRL 02	ADB-KPP-CIR02-04-38	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.42
10	Belagavi	Belagavi	Belgaum Uttar	MRL 10	ADB-KPP-CIR02-04-43	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	1.12
11	Belagavi	Belagavi	Hukkeri	MRL 03	ADB-KPP-CIR02-04-39	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	5.80
12	Belagavi	Belagavi	Hukkeri	MRL 04	ADB-KPP-CIR02-04-39	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.30
13	Belagavi	Belagavi	Khanapur	MRL 01	ADB-KPP-CIR02-04-40	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.98
14	Belagavi	Belagavi	Khanapur	MRL 16	ADB-KPP-CIR02-04-40	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.10
15	Belagavi	Belagavi	Raybag	MRL 11	ADB-KPP-CIR02-04-41	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.00
16	Gokak	Belagavi	Saundatti Yellamma	MRL 03	ADB-KPP-CIR02-04-44	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.94
17	Belagavi	Belagavi	Yemkanamardi	8	ADB-KPP-CIR02-04-42	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.89
18	Belagavi	Belagavi	Yemkanamardi	MRL 25	ADB-KPP-CIR02-04-42	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.56
19	Belagavi	Belagavi	Yemkanamardi	MRL 30	ADB-KPP-CIR02-04-42	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.08
20	Belagavi	Belagavi	Yemkanamardi	MRL 31	ADB-KPP-CIR02-04-42	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.65
21	Bengaluru Rural	Bengaluru (Rural)	Hosakote	MRL 02	ADB-KPP-CIR01-02-08	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.93
22	Bengaluru Rural	Bengaluru (Rural)	Hosakote	MRL 04	ADB-KPP-CIR01-02-08	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.19
23	Mysuru	Chamarajanagara	Chamarajanagar	MRL	ADB-KPP-CIR07-08-07	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	5.31
24	Mysuru	Chamarajanagara	Hanur	MRL	ADB-KPP-CIR07-08-09	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	6.96
25	Mysuru	Chamarajanagara	Hanur	MRL	ADB-KPP-CIR07-08-08	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	6.33
26	Mysuru	Chamarajanagara	Hanur	MRL	ADB-KPP-CIR07-08-08	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.08
27	Mysuru	Chamarajanagara	Hanur	MRL	ADB-KPP-CIR07-08-09	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.35
28	Mysuru	Chamarajanagara	Hanur	MRL	ADB-KPP-CIR07-08-09	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.65

29	Mysuru	Chamarajanagara	Kollegal	MRL	ADB-KPP-CIR07-08-10	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.00
30	Chikkaballapura	Chikkaballapura	Bagepalli	MRL 134	ADB-KPP-CIR01-29-10	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	9.61
31	Chikkaballapura	Chikkaballapura	Chikkaballapur	MRL 53	ADB-KPP-CIR01-29-11	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	11.38
32	Chikkaballapura	Chikkaballapura	Chintamani	MRL 164	ADB-KPP-CIR01-29-12	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	6.95
33	Chikkaballapura	Chikkaballapura	Sidlaghatta	MRL 159	ADB-KPP-CIR01-29-13	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	10.02
34	Chikkamagalur	Chikkamagaluru	Chikkamagalur	MRL 09	ADB-KPP-CIR08-09-09	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.04
35	Chikkamagalur	Chikkamagaluru	Kadur	MRL 04	ADB-KPP-CIR08-09-10	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	6.68
36	Chikkamagalur	Chikkamagaluru	Mudigere	MRL 01	ADB-KPP-CIR08-09-11	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.72
37	Chikkamagalur	Chikkamagaluru	Mudigere	MRL 019	ADB-KPP-CIR08-09-12	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.15
38	Chikkamagalur	Chikkamagaluru	Mudigere	MRL 022	ADB-KPP-CIR08-09-12	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.40
39	Chikkamagalur	Chikkamagaluru	Mudigere	MRL 002	ADB-KPP-CIR08-09-13	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	5.01
40	Chikkamagalur	Chikkamagaluru	Mudigere	MRL 23	ADB-KPP-CIR08-09-13	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.91
41	Chikkamagalur	Chikkamagaluru	Mudigere	MRL 24	ADB-KPP-CIR08-09-11	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.63
42	Chikkamagalur	Chikkamagaluru	Sringeri	MRL 01	ADB-KPP-CIR08-09-14	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	8.91
43	Chikkamagalur	Chikkamagaluru	Sringeri	MRL 03	ADB-KPP-CIR08-09-14	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.20
44	Chikkamagalur	Chikkamagaluru	Sringeri	TR 01	ADB-KPP-CIR08-09-15	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	5.10
45	Chikkamagalur	Chikkamagaluru	Sringeri	MRL 10	ADB-KPP-CIR08-09-16	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.15
46	Chikkamagalur	Chikkamagaluru	Sringeri	MRL 15	ADB-KPP-CIR08-09-14	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.25
47	Chikkamagalur	Chikkamagaluru	Sringeri	MRL 17	ADB-KPP-CIR08-09-15	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.00
48	Chikkamagalur	Chikkamagaluru	Sringeri	MRL 18	ADB-KPP-CIR08-09-16	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.60
49	Chikkamagalur	Chikkamagaluru	Tarikere	MRL 01	ADB-KPP-CIR08-09-17	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.13
50	Chikkamagalur	Chikkamagaluru	Tarikere	MRL 03	ADB-KPP-CIR08-09-17	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.75
51	Chitradurga	Chitradurga	Holkere	MRL	ADB-KPP-CIR04-10-13	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.23
52	Mangalore	Dakshina Kannada	Bantwal	MRL 03	ADB-KPP-CIR08-11-13	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.55
53	Mangalore	Dakshina Kannada	Bantwal	MRL 05	ADB-KPP-CIR08-11-13	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.45
54	Mangalore	Dakshina Kannada	Bantwal	MRL 10	ADB-KPP-CIR08-11-14	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.89
55	Mangalore	Dakshina Kannada	Bantwal	MRL 19	ADB-KPP-CIR08-11-14	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.45
56	Mangalore	Dakshina Kannada	Belthangady	MRL 2	ADB-KPP-CIR08-11-16	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.85
57	Mangalore	Dakshina Kannada	Belthangady	MRL 3	ADB-KPP-CIR08-11-15	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.21

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87	Mangalore	Dakshina Kannada	Sullia	MRL 3	ADB-KPP-CIR08-11-07	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.10
88	Mangalore	Dakshina Kannada	Sullia	MRL 4	ADB-KPP-CIR08-11-08	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.18
89	Mangalore	Dakshina Kannada	Sullia	MRL 9	ADB-KPP-CIR08-11-07	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.84
90	Mangalore	Dakshina Kannada	Sullia	MRL 16	ADB-KPP-CIR08-11-07	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.58
91	Dharwad	Dharwad	Kalaghatgi	MRL	ADB-KPP-CIR05-13-13	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.90
92	Dharwad	Dharwad	Kalaghatgi	MRL	ADB-KPP-CIR05-13-13	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	5.45
93	Gadag	Gadag	Shirahatti	MRL-3	ADB-KPP-CIR05-14-11	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	5.45
94	Gadag	Gadag	Shirahatti	MRL -1	ADB-KPP-CIR05-14-11	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.63
95	Gadag	Gadag	Shirahatti	MRL-2	ADB-KPP-CIR05-14-11	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.66
96	Hassan	Hassan	Arakalgud	MRL 10	ADB-KPP-CIR07-16-02	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.85
97	Hassan	Hassan	Arakalgud	MRL	ADB-KPP-CIR07-16-02	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.06
98	Hassan	Hassan	Belur	MRL 01	ADB-KPP-CIR07-16-07	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.14
99	Hassan	Hassan	Belur	MRL 02	ADB-KPP-CIR07-16-07	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.70
100	Hassan	Hassan	Belur	MRL 10	ADB-KPP-CIR07-16-07	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.27
101	Hassan	Hassan	Belur	MRL 08	ADB-KPP-CIR07-16-07	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	1.93
102	Hassan	Hassan	Sakaleshpur	MRL 15	ADB-KPP-CIR07-16-13	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.76
103	Hassan	Hassan	Shravanabelagola	MRL 09	ADB-KPP-CIR07-16-16	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.00
104	Hassan	Hassan	Shravanabelagola	MRL 13	ADB-KPP-CIR07-16-16	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.40
105	Hassan	Hassan	Shravanabelagola	MRL 21	ADB-KPP-CIR07-16-16	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.03
106	Haveri	Haveri	Byadgi	MRL 02	ADB-KPP-CIR05-17-13	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.74
107	Haveri	Haveri	Hangal	MRL 06	ADB-KPP-CIR05-17-14	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.10
108	Haveri	Haveri	Hangal	MRL 08	ADB-KPP-CIR05-17-14	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	1.28
109	Haveri	Haveri	Hangal	MRL 09	ADB-KPP-CIR05-17-14	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.23
110	Mangalore	Kodagu	Madikeri	MRL 23	ADB-KPP-CIR08-18-03	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.03
111	Mangalore	Kodagu	Madikeri	MRL 49	ADB-KPP-CIR08-18-04	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.50
112	Mangalore	Kodagu	Madikeri	MRL 45	ADB-KPP-CIR08-18-03	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.98
113	Mangalore	Kodagu	Madikeri	MRL 58	ADB-KPP-CIR08-18-04	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.25
114	Mangalore	Kodagu	Madikeri	MRL 60	ADB-KPP-CIR08-18-04	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.43
115	Mangalore	Kodagu	Virajpet	MRL 27	ADB-KPP-CIR08-18-05	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.50

116	Mangalore	Kodagu	Virajpet	MRL 24	ADB-KPP-CIR08-18-05	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.27
117	Mangalore	Kodagu	Virajpet	MRL 32	ADB-KPP-CIR08-18-06	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.00
118	Mangalore	Kodagu	Virajpet	MRL 35	ADB-KPP-CIR08-18-06	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	6.10
119	Mangalore	Kodagu	Virajpet	MRL 36	ADB-KPP-CIR08-18-07	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	8.38
120	Mangalore	Kodagu	Virajpet	MRL 39	ADB-KPP-CIR08-18-07	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.35
121	Kolar	Kolara	Bangarapet	MRL 3	ADB-KPP-CIRO1-19-13	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.35
122	Kolar	Kolara	Kolar	MRL 8	ADB-KPP-CIRO1-19-14	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.82
123	Kolar	Kolara	Kolar	MRL 3	ADB-KPP-CIRO1-19-14	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	5.42
124	Kolar	Kolara	Mulbagal	MRL 3	ADB-KPP-CIRO1-19-10	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	1.73
125	Kolar	Kolara	Mulbagal	MRL 10	ADB-KPP-CIRO1-19-10	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.28
126	Kolar	Kolara	Mulbagal	MRL 13	ADB-KPP-CIRO1-19-10	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.22
127	Kolar	Kolara	Srinivasapur	MRL 2	ADB-KPP-CIRO1-19-12	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.17
128	Kolar	Kolara	Srinivasapur	MRL 4	ADB-KPP-CIRO1-19-12	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	5.13
129	Kolar	Kolara	Srinivasapur	MRL 1	ADB-KPP-CIRO1-19-12	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.99
130	Koppal	Koppal	Gangavathi	MRL 13	ADB-KPP-CIR03-20-11	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.49
131	Mandya	Mandya	Krishnarajpet	MRL 26	ADB-KPP-CIR07-21-04	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.05
132	Mandya	Mandya	Krishnarajpet	MRL 31	ADB-KPP-CIR07-21-04	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.28
133	Mysuru	Mysuru	Hunsur	MRL 02	ADB-KPP-CIR07-22-17	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.82
134	Mysuru	Mysuru	Hunsur	MRL 05	ADB-KPP-CIR07-22-17	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.15
135	Mysuru	Mysuru	Hunsur	MRL 14	ADB-KPP-CIR07-22-17	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.06
136	Mysuru	Mysuru	Piriyapatna	MRL 05	ADB-KPP-CIR07-22-18	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	5.05
137	Mysuru	Mysuru	Piriyapatna	MRL 27	ADB-KPP-CIR07-22-18	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.36
138	Raichur	Raichur	Devadurga	MRL 01	ADB-KPP-CIR03-23-08	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.47
139	Raichur	Raichur	Devadurga	MRL 02	ADB-KPP-CIR03-23-08	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	5.50
140	Raichur	Raichur	Raichur	MRL 01	ADB-KPP-CIR03-23-12	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.10
141	Raichur	Raichur	Raichur	MRL 04	ADB-KPP-CIR03-23-12	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.93
142	Bangalore rural	Ramanagara	Channapatna	MRL 38	ADB-KPP-CIR01-28-09	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.89
143	Bangalore rural	Ramanagara	Kanakapura	MRL 1	ADB-KPP-CIR01-28-04	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.20
144	Bangalore rural	Ramanagara	Kanakapura	MRL 11	ADB-KPP-CIR01-28-04	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.34

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174	Shivamogga	Shivamogga	Tirthahalli	MRL 24	ADB-KPP-CIR04-24-18	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.38
175	Tumakuru	Tumakuru	Gubbi	MRL 07	ADB-KPP-CIR01--25-23	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.68
176	Tumakuru	Tumakuru	Tiptur	MRL 04	ADB-KPP-CIR01-25-29	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	5.51
177	Tumakuru	Tumakuru	Tiptur	MRL 05	ADB-KPP-CIR01-25-29	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.86
178	Tumakuru	Tumakuru	Tiptur	MRL 12	ADB-KPP-CIR01-25-29	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.86
179	Tumakuru	Tumakuru	Tumkur City	MRL 3	ADB-KPP-CIR01--25-25	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.51
180	Tumakuru	Tumakuru	Turuvekere	MRL 15	ADB-KPP-CIR01-25-05	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.80
181	Udupi	Udupi	Baindur	MRL 01	ADB-KPP-CIR08-26-04	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	6.28
182	Udupi	Udupi	Baindur	MRL 02	ADB-KPP-CIR-08-26-05	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.77
183	Udupi	Udupi	Baindur	MRL 05	ADB-KPP-CIR08-26-05	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.71
184	Udupi	Udupi	Baindur	MRL 09	ADB-KPP-CIR08-26-05	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	5.90
185	Udupi	Udupi	Baindur	MRL 19	ADB-KPP-CIR08-26-04	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.27
186	Udupi	Udupi	Baindur	MRL 20	ADB-KPP-CIR08-26-05	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.04
187	Udupi	Udupi	Baindur	MRL 03	ADB-KPP-CIR08-26-04	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.40
188	Udupi	Udupi	Kapu	MRL 03	ADB-KPP-CIR-26-06	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.70
189	Udupi	Udupi	Kapu	MRL 07	ADB-KPP-CIR08-26-06	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.32
190	Udupi	Udupi	Kapu	MRL 10	ADB-KPP-CIR08-26-07	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.20
191	Udupi	Udupi	Kapu	MRL 12	ADB-KPP-CIR08-26-06	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.20
192	Udupi	Udupi	Kapu	MRL 13	ADB-KPP-CIR08-26-06	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.72
193	Udupi	Udupi	Kapu	MRL 14	ADB-KPP-CIR08-26-07	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.47
194	Udupi	Udupi	Kapu	MRL 02	ADB-KPP-CIR08-26-07	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	1.98
195	Udupi	Udupi	Karkala	MRL 03	ADB-KPP-CIR08-26-08	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	5.68
196	Udupi	Udupi	Karkala	MRL 11	ADB-KPP-CIR08-26-09	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.50
197	Udupi	Udupi	Karkala	MRL 12	ADB-KPP-CIR08-26-08	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	1.32
198	Udupi	Udupi	Karkala	MRL 13	ADB-KPP-CIR08-26-08	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	6.81
199	Udupi	Udupi	Karkala	MRL 14	ADB-KPP-CIR08-26-08	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	1.35
200	Udupi	Udupi	Karkala	MRL 15	ADB-KPP-CIR08-26-09	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	1.80
201	Udupi	Udupi	Karkala	MRL 16	ADB-KPP-CIR08-26-09	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	6.46
202	Udupi	Udupi	Karkala	MRL 08	ADB-KPP-CIR08-26-09	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.05

[illegible]

[illegible]

261	Karwar	Uttara Kannada	Yellapur	MRL 12	ADB KPP- CIR05-27-12	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.13
262	Karwar	Uttara Kannada	Yellapur	MRL 13	ADB KPP- CIR05-27-12	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.80
263	Karwar	Uttara Kannada	Yellapur	MRL 16	ADB KPP- CIR05-27-11	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.03
264	Ballari	Vijayanagara	Kudligi	MRL 02	ADB-KPP- CIR03-31-09	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.42
265	Ballari	Vijayanagara	Kudligi	MRL 05	ADB-KPP- CIR03-31-09	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	3.48
266	Ballari	Vijayanagara	Kudligi	MRL 10	ADB-KPP- CIR03-31-09	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.43
267	Ballari	Vijayanagara	Vijayanagara	MRL 06	ADB-KPP- CIR03-31-10	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	5.33
268	Ballari	Vijayanagara	Vijayanagara	MRL02	ADB-KPP- CIR03-31-10	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	4.50
269	Vijayapura	Vijayapura	Nagthan	MRL 05	ADB-KPP- CIR02-07-17	Improvements of road from Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km) (Road ID-136) in Bagalkot PIU- ADB financed.	2.20

Appendix 2C List of 591 Roads in EAAA

Hampi Ballari EAAA	2	1	4009
Hampi Ballari EAAA	3	2	4886
Hampi Ballari EAAA	4	3	4997
Hampi Ballari EAAA	5	4	5385
Hampi Ballari EAAA	6	5	3378
Hampi Ballari EAAA	7	6	3381
Hampi Ballari EAAA	8	7	4446
Hampi Ballari EAAA	9	8	4468
Hampi Ballari EAAA	10	9	4925
Hampi Ballari EAAA	11	10	5019
Hampi Ballari EAAA	12	11	5391
Broadleaf Forests EAAA	2	1	2438
Broadleaf Forests EAAA	3	2	3173
Broadleaf Forests EAAA	4	3	1006
Broadleaf Forests EAAA	5	4	1040
Broadleaf Forests EAAA	6	5	1046
Broadleaf Forests EAAA	7	6	1139
Broadleaf Forests EAAA	8	7	1143
Broadleaf Forests EAAA	9	8	1148
Broadleaf Forests EAAA	10	9	1155
Broadleaf Forests EAAA	11	10	1252
Broadleaf Forests EAAA	12	11	1306
Broadleaf Forests EAAA	13	12	1368
Broadleaf Forests EAAA	14	13	1386
Broadleaf Forests EAAA	15	14	1446
Broadleaf Forests EAAA	16	15	1450
Broadleaf Forests EAAA	17	16	1455
Broadleaf Forests EAAA	18	17	1498
Broadleaf Forests EAAA	19	18	1520
Broadleaf Forests EAAA	20	19	1521
Broadleaf Forests EAAA	21	20	1541
Broadleaf Forests EAAA	22	21	1551
Broadleaf Forests EAAA	23	22	1552
Broadleaf Forests EAAA	24	23	1568
Broadleaf Forests EAAA	25	24	1573
Broadleaf Forests EAAA	26	25	1643
Broadleaf Forests EAAA	27	26	1647
Broadleaf Forests EAAA	28	27	168
Broadleaf Forests EAAA	29	28	1700
Broadleaf Forests EAAA	30	29	1782
Broadleaf Forests EAAA	31	30	1817
Broadleaf Forests EAAA	32	31	1818
Broadleaf Forests EAAA	33	32	1819
Broadleaf Forests EAAA	34	33	1860
Broadleaf Forests EAAA	35	34	1873
Broadleaf Forests EAAA	36	35	1887
Broadleaf Forests EAAA	37	36	1927

Broadleaf Forests EAAA	38	37	1928
Broadleaf Forests EAAA	39	38	1958
Broadleaf Forests EAAA	40	39	1960
Broadleaf Forests EAAA	41	40	2036
Broadleaf Forests EAAA	42	41	2202
Broadleaf Forests EAAA	43	42	2214
Broadleaf Forests EAAA	44	43	2216
Broadleaf Forests EAAA	45	44	2217
Broadleaf Forests EAAA	46	45	2229
Broadleaf Forests EAAA	47	46	2250
Broadleaf Forests EAAA	48	47	2251
Broadleaf Forests EAAA	49	48	2368
Broadleaf Forests EAAA	50	49	2385
Broadleaf Forests EAAA	51	50	2439
Broadleaf Forests EAAA	52	51	2452
Broadleaf Forests EAAA	53	52	2503
Broadleaf Forests EAAA	54	53	2536
Broadleaf Forests EAAA	55	54	2538
Broadleaf Forests EAAA	56	55	2540
Broadleaf Forests EAAA	57	56	2543
Broadleaf Forests EAAA	58	57	2554
Broadleaf Forests EAAA	59	58	2558
Broadleaf Forests EAAA	60	59	2567
Broadleaf Forests EAAA	61	60	2576
Broadleaf Forests EAAA	62	61	2576
Broadleaf Forests EAAA	63	62	2621
Broadleaf Forests EAAA	64	63	2624
Broadleaf Forests EAAA	65	64	2690
Broadleaf Forests EAAA	66	65	2711
Broadleaf Forests EAAA	67	66	2738
Broadleaf Forests EAAA	68	67	2738
Broadleaf Forests EAAA	69	68	2739
Broadleaf Forests EAAA	70	69	2757
Broadleaf Forests EAAA	71	70	2759
Broadleaf Forests EAAA	72	71	2838
Broadleaf Forests EAAA	73	72	2910
Broadleaf Forests EAAA	74	73	2978
Broadleaf Forests EAAA	75	74	3088
Broadleaf Forests EAAA	76	75	3093
Broadleaf Forests EAAA	77	76	3148
Broadleaf Forests EAAA	78	77	3181
Broadleaf Forests EAAA	79	78	3254
Broadleaf Forests EAAA	80	79	3309
Broadleaf Forests EAAA	81	80	337
Broadleaf Forests EAAA	82	81	3424
Broadleaf Forests EAAA	83	82	345
Broadleaf Forests EAAA	84	83	358
Broadleaf Forests EAAA	85	84	359

Broadleaf Forests EAAA	86	85	3723
Broadleaf Forests EAAA	87	86	3776
Broadleaf Forests EAAA	88	87	3884
Broadleaf Forests EAAA	89	88	3891
Broadleaf Forests EAAA	90	89	4003
Broadleaf Forests EAAA	91	90	4042
Broadleaf Forests EAAA	92	91	4054
Broadleaf Forests EAAA	93	92	4117
Broadleaf Forests EAAA	94	93	4122
Broadleaf Forests EAAA	95	94	4146
Broadleaf Forests EAAA	96	95	4154
Broadleaf Forests EAAA	97	96	4162
Broadleaf Forests EAAA	98	97	4190
Broadleaf Forests EAAA	99	98	422
Broadleaf Forests EAAA	100	99	4221
Broadleaf Forests EAAA	101	100	4322
Broadleaf Forests EAAA	102	101	4409
Broadleaf Forests EAAA	103	102	4415
Broadleaf Forests EAAA	104	103	4420
Broadleaf Forests EAAA	105	104	4431
Broadleaf Forests EAAA	106	105	4457
Broadleaf Forests EAAA	107	106	4460
Broadleaf Forests EAAA	108	107	4476
Broadleaf Forests EAAA	109	108	4561
Broadleaf Forests EAAA	110	109	4575
Broadleaf Forests EAAA	111	110	4583
Broadleaf Forests EAAA	112	111	4714
Broadleaf Forests EAAA	113	112	4781
Broadleaf Forests EAAA	114	113	4822
Broadleaf Forests EAAA	115	114	4889
Broadleaf Forests EAAA	116	115	4935
Broadleaf Forests EAAA	117	116	4952
Broadleaf Forests EAAA	118	117	4959
Broadleaf Forests EAAA	119	118	4983
Broadleaf Forests EAAA	120	119	4989
Broadleaf Forests EAAA	121	120	5049
Broadleaf Forests EAAA	122	121	5050
Broadleaf Forests EAAA	123	122	5130
Broadleaf Forests EAAA	124	123	5135
Broadleaf Forests EAAA	125	124	5168
Broadleaf Forests EAAA	126	125	5177
Broadleaf Forests EAAA	127	126	5182
Broadleaf Forests EAAA	128	127	5259
Broadleaf Forests EAAA	129	128	5273
Broadleaf Forests EAAA	130	129	5274
Broadleaf Forests EAAA	131	130	5275
Broadleaf Forests EAAA	132	131	5336
Broadleaf Forests EAAA	133	132	5364

Broadleaf Forests EAAA	134	133	5436
Broadleaf Forests EAAA	135	134	5437
Broadleaf Forests EAAA	136	135	5443
Broadleaf Forests EAAA	137	136	5457
Broadleaf Forests EAAA	138	137	5459
Broadleaf Forests EAAA	139	138	549
Broadleaf Forests EAAA	140	139	5512
Broadleaf Forests EAAA	141	140	555
Broadleaf Forests EAAA	142	141	556
Broadleaf Forests EAAA	143	142	581
Broadleaf Forests EAAA	144	143	595
Broadleaf Forests EAAA	145	144	596
Broadleaf Forests EAAA	146	145	806
Broadleaf Forests EAAA	147	146	807
Broadleaf Forests EAAA	148	147	822
Broadleaf Forests EAAA	149	148	827
Broadleaf Forests EAAA	150	149	837
Broadleaf Forests EAAA	151	150	915
Broadleaf Forests EAAA	152	151	917
Broadleaf Forests EAAA	153	152	919
Broadleaf Forests EAAA	154	153	959
Broadleaf Forests EAAA	155	154	973
Broadleaf Forests EAAA	156	155	1001
Broadleaf Forests EAAA	157	156	1005
Broadleaf Forests EAAA	158	157	1012
Broadleaf Forests EAAA	159	158	1051
Broadleaf Forests EAAA	160	159	1093
Broadleaf Forests EAAA	161	160	1095
Broadleaf Forests EAAA	162	161	1099
Broadleaf Forests EAAA	163	162	1132
Broadleaf Forests EAAA	164	163	1136
Broadleaf Forests EAAA	165	164	1152
Broadleaf Forests EAAA	166	165	1182
Broadleaf Forests EAAA	167	166	1218
Broadleaf Forests EAAA	168	167	1310
Broadleaf Forests EAAA	169	168	1325
Broadleaf Forests EAAA	170	169	1336
Broadleaf Forests EAAA	171	170	1341
Broadleaf Forests EAAA	172	171	1356
Broadleaf Forests EAAA	173	172	1362
Broadleaf Forests EAAA	174	173	1376
Broadleaf Forests EAAA	175	174	1391
Broadleaf Forests EAAA	176	175	1425
Broadleaf Forests EAAA	177	176	1430
Broadleaf Forests EAAA	178	177	1464
Broadleaf Forests EAAA	179	178	1510
Broadleaf Forests EAAA	180	179	1526
Broadleaf Forests EAAA	181	180	1540

Broadleaf Forests EAAA	182	181	1653
Broadleaf Forests EAAA	183	182	1662
Broadleaf Forests EAAA	184	183	1686
Broadleaf Forests EAAA	185	184	169
Broadleaf Forests EAAA	186	185	1712
Broadleaf Forests EAAA	187	186	1718
Broadleaf Forests EAAA	188	187	1740
Broadleaf Forests EAAA	189	188	1761
Broadleaf Forests EAAA	190	189	1871
Broadleaf Forests EAAA	191	190	2211
Broadleaf Forests EAAA	192	191	2213
Broadleaf Forests EAAA	193	192	2230
Broadleaf Forests EAAA	194	193	2261
Broadleaf Forests EAAA	195	194	2324
Broadleaf Forests EAAA	196	195	2330
Broadleaf Forests EAAA	197	196	2373
Broadleaf Forests EAAA	198	197	241
Broadleaf Forests EAAA	199	198	2440
Broadleaf Forests EAAA	200	199	2456
Broadleaf Forests EAAA	201	200	2458
Broadleaf Forests EAAA	202	201	2459
Broadleaf Forests EAAA	203	202	2462
Broadleaf Forests EAAA	204	203	2474
Broadleaf Forests EAAA	205	204	2491
Broadleaf Forests EAAA	206	205	2494
Broadleaf Forests EAAA	207	206	2568
Broadleaf Forests EAAA	208	207	2584
Broadleaf Forests EAAA	209	208	2611
Broadleaf Forests EAAA	210	209	2628
Broadleaf Forests EAAA	211	210	2679
Broadleaf Forests EAAA	212	211	2735
Broadleaf Forests EAAA	213	212	2795
Broadleaf Forests EAAA	214	213	2798
Broadleaf Forests EAAA	215	214	2809
Broadleaf Forests EAAA	216	215	2815
Broadleaf Forests EAAA	217	216	2837
Broadleaf Forests EAAA	218	217	2877
Broadleaf Forests EAAA	219	218	2886
Broadleaf Forests EAAA	220	219	2889
Broadleaf Forests EAAA	221	220	2894
Broadleaf Forests EAAA	222	221	2895
Broadleaf Forests EAAA	223	222	2911
Broadleaf Forests EAAA	224	223	2912
Broadleaf Forests EAAA	225	224	2919
Broadleaf Forests EAAA	226	225	2929
Broadleaf Forests EAAA	227	226	2948
Broadleaf Forests EAAA	228	227	299
Broadleaf Forests EAAA	229	228	2998

Broadleaf Forests EAAA	230	229	3001
Broadleaf Forests EAAA	231	230	3028
Broadleaf Forests EAAA	232	231	3044
Broadleaf Forests EAAA	233	232	3083
Broadleaf Forests EAAA	234	233	3097
Broadleaf Forests EAAA	235	234	310
Broadleaf Forests EAAA	236	235	3124
Broadleaf Forests EAAA	237	236	319
Broadleaf Forests EAAA	238	237	3427
Broadleaf Forests EAAA	239	238	344
Broadleaf Forests EAAA	240	239	346
Broadleaf Forests EAAA	241	240	3471
Broadleaf Forests EAAA	242	241	3485
Broadleaf Forests EAAA	243	242	349
Broadleaf Forests EAAA	244	243	3562
Broadleaf Forests EAAA	245	244	3628
Broadleaf Forests EAAA	246	245	3636
Broadleaf Forests EAAA	247	246	3691
Broadleaf Forests EAAA	248	247	3703
Broadleaf Forests EAAA	249	248	3704
Broadleaf Forests EAAA	250	249	3732
Broadleaf Forests EAAA	251	250	3733
Broadleaf Forests EAAA	252	251	3771
Broadleaf Forests EAAA	253	252	3772
Broadleaf Forests EAAA	254	253	3780
Broadleaf Forests EAAA	255	254	3786
Broadleaf Forests EAAA	256	255	3805
Broadleaf Forests EAAA	257	256	3807
Broadleaf Forests EAAA	258	257	3817
Broadleaf Forests EAAA	259	258	3819
Broadleaf Forests EAAA	260	259	3844
Broadleaf Forests EAAA	261	260	3847
Broadleaf Forests EAAA	262	261	3853
Broadleaf Forests EAAA	263	262	3909
Broadleaf Forests EAAA	264	263	3931
Broadleaf Forests EAAA	265	264	3940
Broadleaf Forests EAAA	266	265	3981
Broadleaf Forests EAAA	267	266	3996
Broadleaf Forests EAAA	268	267	4062
Broadleaf Forests EAAA	269	268	4067
Broadleaf Forests EAAA	270	269	4083
Broadleaf Forests EAAA	271	270	4084
Broadleaf Forests EAAA	272	271	4145
Broadleaf Forests EAAA	273	272	4147
Broadleaf Forests EAAA	274	273	4156
Broadleaf Forests EAAA	275	274	4189
Broadleaf Forests EAAA	276	275	4196
Broadleaf Forests EAAA	277	276	4201

Broadleaf Forests EAAA	278	277	4207
Broadleaf Forests EAAA	279	278	4218
Broadleaf Forests EAAA	280	279	4219
Broadleaf Forests EAAA	281	280	4220
Broadleaf Forests EAAA	282	281	4221
Broadleaf Forests EAAA	283	282	4229
Broadleaf Forests EAAA	284	283	423
Broadleaf Forests EAAA	285	284	4242
Broadleaf Forests EAAA	286	285	4246
Broadleaf Forests EAAA	287	286	4268
Broadleaf Forests EAAA	288	287	4269
Broadleaf Forests EAAA	289	288	4282
Broadleaf Forests EAAA	290	289	4286
Broadleaf Forests EAAA	291	290	4300
Broadleaf Forests EAAA	292	291	4314
Broadleaf Forests EAAA	293	292	4316
Broadleaf Forests EAAA	294	293	4326
Broadleaf Forests EAAA	295	294	4328
Broadleaf Forests EAAA	296	295	4350
Broadleaf Forests EAAA	297	296	4356
Broadleaf Forests EAAA	298	297	4361
Broadleaf Forests EAAA	299	298	4362
Broadleaf Forests EAAA	300	299	4363
Broadleaf Forests EAAA	301	300	4369
Broadleaf Forests EAAA	302	301	4394
Broadleaf Forests EAAA	303	302	4408
Broadleaf Forests EAAA	304	303	4426
Broadleaf Forests EAAA	305	304	4451
Broadleaf Forests EAAA	306	305	4474
Broadleaf Forests EAAA	307	306	4477
Broadleaf Forests EAAA	308	307	4482
Broadleaf Forests EAAA	309	308	4484
Broadleaf Forests EAAA	310	309	4503
Broadleaf Forests EAAA	311	310	4516
Broadleaf Forests EAAA	312	311	4562
Broadleaf Forests EAAA	313	312	4563
Broadleaf Forests EAAA	314	313	4564
Broadleaf Forests EAAA	315	314	4586
Broadleaf Forests EAAA	316	315	4589
Broadleaf Forests EAAA	317	316	4600
Broadleaf Forests EAAA	318	317	4694
Broadleaf Forests EAAA	319	318	4736
Broadleaf Forests EAAA	320	319	4773
Broadleaf Forests EAAA	321	320	4775
Broadleaf Forests EAAA	322	321	4778
Broadleaf Forests EAAA	323	322	4782
Broadleaf Forests EAAA	324	323	4785
Broadleaf Forests EAAA	325	324	4794

Broadleaf Forests EAAA	326	325	4816
Broadleaf Forests EAAA	327	326	4862
Broadleaf Forests EAAA	328	327	4874
Broadleaf Forests EAAA	329	328	4876
Broadleaf Forests EAAA	330	329	4878
Broadleaf Forests EAAA	331	330	4880
Broadleaf Forests EAAA	332	331	4882
Broadleaf Forests EAAA	333	332	4897
Broadleaf Forests EAAA	334	333	4915
Broadleaf Forests EAAA	335	334	4926
Broadleaf Forests EAAA	336	335	4932
Broadleaf Forests EAAA	337	336	4933
Broadleaf Forests EAAA	338	337	4938
Broadleaf Forests EAAA	339	338	4943
Broadleaf Forests EAAA	340	339	4946
Broadleaf Forests EAAA	341	340	4950
Broadleaf Forests EAAA	342	341	4954
Broadleaf Forests EAAA	343	342	4985
Broadleaf Forests EAAA	344	343	4988
Broadleaf Forests EAAA	345	344	5009
Broadleaf Forests EAAA	346	345	5011
Broadleaf Forests EAAA	347	346	5029
Broadleaf Forests EAAA	348	347	5030
Broadleaf Forests EAAA	349	348	5035
Broadleaf Forests EAAA	350	349	5036
Broadleaf Forests EAAA	351	350	5037
Broadleaf Forests EAAA	352	351	5047
Broadleaf Forests EAAA	353	352	5058
Broadleaf Forests EAAA	354	353	5070
Broadleaf Forests EAAA	355	354	5071
Broadleaf Forests EAAA	356	355	5074
Broadleaf Forests EAAA	357	356	5078
Broadleaf Forests EAAA	358	357	5079
Broadleaf Forests EAAA	359	358	5085
Broadleaf Forests EAAA	360	359	5089
Broadleaf Forests EAAA	361	360	5134
Broadleaf Forests EAAA	362	361	5141
Broadleaf Forests EAAA	363	362	5142
Broadleaf Forests EAAA	364	363	5146
Broadleaf Forests EAAA	365	364	5164
Broadleaf Forests EAAA	366	365	5165
Broadleaf Forests EAAA	367	366	5166
Broadleaf Forests EAAA	368	367	5167
Broadleaf Forests EAAA	369	368	5176
Broadleaf Forests EAAA	370	369	5180
Broadleaf Forests EAAA	371	370	5184
Broadleaf Forests EAAA	372	371	5187
Broadleaf Forests EAAA	373	372	5190

Broadleaf Forests EAAA	374	373	5193
Broadleaf Forests EAAA	375	374	5194
Broadleaf Forests EAAA	376	375	5198
Broadleaf Forests EAAA	377	376	5206
Broadleaf Forests EAAA	378	377	5213
Broadleaf Forests EAAA	379	378	5214
Broadleaf Forests EAAA	380	379	5217
Broadleaf Forests EAAA	381	380	5222
Broadleaf Forests EAAA	382	381	5223
Broadleaf Forests EAAA	383	382	5224
Broadleaf Forests EAAA	384	383	5226
Broadleaf Forests EAAA	385	384	5227
Broadleaf Forests EAAA	386	385	5228
Broadleaf Forests EAAA	387	386	5241
Broadleaf Forests EAAA	388	387	5246
Broadleaf Forests EAAA	389	388	5255
Broadleaf Forests EAAA	390	389	5256
Broadleaf Forests EAAA	391	390	5258
Broadleaf Forests EAAA	392	391	5270
Broadleaf Forests EAAA	393	392	5271
Broadleaf Forests EAAA	394	393	5272
Broadleaf Forests EAAA	395	394	5287
Broadleaf Forests EAAA	396	395	5288
Broadleaf Forests EAAA	397	396	5290
Broadleaf Forests EAAA	398	397	5292
Broadleaf Forests EAAA	399	398	5293
Broadleaf Forests EAAA	400	399	5294
Broadleaf Forests EAAA	401	400	5295
Broadleaf Forests EAAA	402	401	5297
Broadleaf Forests EAAA	403	402	5298
Broadleaf Forests EAAA	404	403	5301
Broadleaf Forests EAAA	405	404	5304
Broadleaf Forests EAAA	406	405	5320
Broadleaf Forests EAAA	407	406	5322
Broadleaf Forests EAAA	408	407	5324
Broadleaf Forests EAAA	409	408	5328
Broadleaf Forests EAAA	410	409	5329
Broadleaf Forests EAAA	411	410	5330
Broadleaf Forests EAAA	412	411	5331
Broadleaf Forests EAAA	413	412	5332
Broadleaf Forests EAAA	414	413	5333
Broadleaf Forests EAAA	415	414	5334
Broadleaf Forests EAAA	416	415	5335
Broadleaf Forests EAAA	417	416	5340
Broadleaf Forests EAAA	418	417	5343
Broadleaf Forests EAAA	419	418	5344
Broadleaf Forests EAAA	420	419	5345
Broadleaf Forests EAAA	421	420	5346

Broadleaf Forests EAAA	422	421	5351
Broadleaf Forests EAAA	423	422	5372
Broadleaf Forests EAAA	424	423	5373
Broadleaf Forests EAAA	425	424	5374
Broadleaf Forests EAAA	426	425	5375
Broadleaf Forests EAAA	427	426	5384
Broadleaf Forests EAAA	428	427	5401
Broadleaf Forests EAAA	429	428	5422
Broadleaf Forests EAAA	430	429	5423
Broadleaf Forests EAAA	431	430	5427
Broadleaf Forests EAAA	432	431	5428
Broadleaf Forests EAAA	433	432	5433
Broadleaf Forests EAAA	434	433	5434
Broadleaf Forests EAAA	435	434	5442
Broadleaf Forests EAAA	436	435	5448
Broadleaf Forests EAAA	437	436	5449
Broadleaf Forests EAAA	438	437	5450
Broadleaf Forests EAAA	439	438	5451
Broadleaf Forests EAAA	440	439	5452
Broadleaf Forests EAAA	441	440	5453
Broadleaf Forests EAAA	442	441	5454
Broadleaf Forests EAAA	443	442	5455
Broadleaf Forests EAAA	444	443	5456
Broadleaf Forests EAAA	445	444	5460
Broadleaf Forests EAAA	446	445	5465
Broadleaf Forests EAAA	447	446	5468
Broadleaf Forests EAAA	448	447	5469
Broadleaf Forests EAAA	449	448	5474
Broadleaf Forests EAAA	450	449	5475
Broadleaf Forests EAAA	451	450	5478
Broadleaf Forests EAAA	452	451	5507
Broadleaf Forests EAAA	453	452	5511
Broadleaf Forests EAAA	454	453	5513
Broadleaf Forests EAAA	455	454	5517
Broadleaf Forests EAAA	456	455	5519
Broadleaf Forests EAAA	457	456	5520
Broadleaf Forests EAAA	458	457	606
Broadleaf Forests EAAA	459	458	650
Broadleaf Forests EAAA	460	459	677
Broadleaf Forests EAAA	461	460	688
Broadleaf Forests EAAA	462	461	703
Broadleaf Forests EAAA	463	462	707
Broadleaf Forests EAAA	464	463	713
Broadleaf Forests EAAA	465	464	726
Broadleaf Forests EAAA	466	465	748
Broadleaf Forests EAAA	467	466	753
Broadleaf Forests EAAA	468	467	755
Broadleaf Forests EAAA	469	468	767

Broadleaf Forests EAAA	470	469	800
Broadleaf Forests EAAA	471	470	802
Broadleaf Forests EAAA	472	471	804
Broadleaf Forests EAAA	473	472	830
Broadleaf Forests EAAA	474	473	833
Broadleaf Forests EAAA	475	474	844
Broadleaf Forests EAAA	476	475	855
Broadleaf Forests EAAA	477	476	858
Broadleaf Forests EAAA	478	477	891
Broadleaf Forests EAAA	479	478	896
Broadleaf Forests EAAA	480	479	914
Broadleaf Forests EAAA	481	480	924
Broadleaf Forests EAAA	482	481	928
Broadleaf Forests EAAA	483	482	929
Broadleaf Forests EAAA	484	483	940
Broadleaf Forests EAAA	485	484	943
Broadleaf Forests EAAA	486	485	954
Broadleaf Forests EAAA	487	486	986
Broadleaf Forests EAAA	488	487	997
Broadleaf Forests EAAA	489	488	1592
Mysuru Plateau EAAA	2		2958
Mysuru Plateau EAAA	3		3469
Mysuru Plateau EAAA	4		3690
Mysuru Plateau EAAA	5		4575
Mysuru Plateau EAAA	6		5512
Mysuru Plateau EAAA	7		596
Mysuru Plateau EAAA	8		113
Mysuru Plateau EAAA	9		1203
Mysuru Plateau EAAA	10		1218
Mysuru Plateau EAAA	11		1425
Mysuru Plateau EAAA	12		1465
Mysuru Plateau EAAA	13		1686
Mysuru Plateau EAAA	14		1697
Mysuru Plateau EAAA	15		1706
Mysuru Plateau EAAA	16		1707
Mysuru Plateau EAAA	17		1717
Mysuru Plateau EAAA	18		1718
Mysuru Plateau EAAA	19		1897
Mysuru Plateau EAAA	20		1975
Mysuru Plateau EAAA	21		2143
Mysuru Plateau EAAA	22		2144
Mysuru Plateau EAAA	23		2211
Mysuru Plateau EAAA	24		2266
Mysuru Plateau EAAA	25		2492
Mysuru Plateau EAAA	26		2735
Mysuru Plateau EAAA	27		2789
Mysuru Plateau EAAA	28		3044
Mysuru Plateau EAAA	29		3539

Mysuru Plateau EAAA	30		3769
Mysuru Plateau EAAA	31		3834
Mysuru Plateau EAAA	32		3909
Mysuru Plateau EAAA	33		3996
Mysuru Plateau EAAA	34		4067
Mysuru Plateau EAAA	35		4070
Mysuru Plateau EAAA	36		4145
Mysuru Plateau EAAA	37		4218
Mysuru Plateau EAAA	38		4219
Mysuru Plateau EAAA	39		4220
Mysuru Plateau EAAA	40		4268
Mysuru Plateau EAAA	41		4269
Mysuru Plateau EAAA	42		4578
Mysuru Plateau EAAA	43		4579
Mysuru Plateau EAAA	44		4589
Mysuru Plateau EAAA	45		4597
Mysuru Plateau EAAA	46		5176
Mysuru Plateau EAAA	47		5214
Mysuru Plateau EAAA	48		5272
Mysuru Plateau EAAA	49		5372
Mysuru Plateau EAAA	50		5373
Mysuru Plateau EAAA	51		5374
Mysuru Plateau EAAA	52		5477
Mysuru Plateau EAAA	53		5485
Mysuru Plateau EAAA	54		5506
Mysuru Plateau EAAA	55		5511
Mysuru Plateau EAAA	56		5513
Mysuru Plateau EAAA	57		5514
Mysuru Plateau EAAA	58		5515
Mysuru Plateau EAAA	59		5516
Mysuru Plateau EAAA	60		5518
Mysuru Plateau EAAA	61		5519
Mysuru Plateau EAAA	62		650
Mysuru Plateau EAAA	63		703
Mysuru Plateau EAAA	64		704
Mysuru Plateau EAAA	65		708
Mysuru Plateau EAAA	66		710
Mysuru Plateau EAAA	67		712
Mysuru Plateau EAAA	68		726
Mysuru Plateau EAAA	69		748
Mysuru Plateau EAAA	70		753
Mysuru Plateau EAAA	71		950
Mysuru Plateau EAAA	72		960
Kolar Leaf-Nosed Bat EAAA	2		2958
Kolar Leaf-Nosed Bat EAAA	3		3469
Kolar Leaf-Nosed Bat EAAA	4		3526
Kolar Leaf-Nosed Bat EAAA	5		3841
Kolar Leaf-Nosed Bat EAAA	6		1663

Kolar Leaf-Nosed Bat EAAA	7		120
Kolar Leaf-Nosed Bat EAAA	8		1697
Kolar Leaf-Nosed Bat EAAA	9		2585
Kolar Leaf-Nosed Bat EAAA	10		2492
Kolar Leaf-Nosed Bat EAAA	11		3462
Sarada darwinii EAAA	2	1	1693
Sarada darwinii EAAA	3	2	1694
Sarada darwinii EAAA	4	3	1708
Sarada darwinii EAAA	5	4	2425
Sarada darwinii EAAA	6	5	3686
Sarada darwinii EAAA	7	6	4197
Sarada darwinii EAAA	8	7	4849
Sarada darwinii EAAA	9	8	4733
Sarada darwinii EAAA	10	9	4727
Sarada darwinii EAAA	11	10	4720
Sarada darwinii EAAA	12	11	1703

Appendix 2D

- 1. List of 307 Roads in Forests**
- 2. List of 86 roads in ESZ**
- 3. List of 14 Roads in Protected Area**

List of 307 roads traversing forest area and requiring Working Permission/NoC before civil works

Road ID	count	unique	min	max	range	sum	mean	median	stddev	minority	majority	q1	q3	lqr
2718	1	1	2.36E-07	2.36E-07	0	2.36E-07	2.36E-07	2.36E-07	0	2.36E-07	2.36E-07	2.36E-07	2.36E-07	0
5344	1	1	0.000145228	0.000145228	0	0.000145228	0.000145228	0.000145228	0	0.000145228	0.000145228	0.000145228	0.000145228	0
830	2	1	0.000160944	0.000160944	0	0.000321888	0.000160944	0.000160944	0	0.000160944	0.000160944	0.000160944	0.000160944	0
1315	1	1	0.00069819	0.00069819	0	0.00069819	0.00069819	0.00069819	0	0.00069819	0.00069819	0.00069819	0.00069819	0
3701	1	1	0.000759685	0.000759685	0	0.000759685	0.000759685	0.000759685	0	0.000759685	0.000759685	0.000759685	0.000759685	0
5222	1	1	0.00120397	0.00120397	0	0.00120397	0.00120397	0.00120397	0	0.00120397	0.00120397	0.00120397	0.00120397	0
2684	2	1	0.00078139	0.00078139	0	0.00156278	0.00078139	0.00078139	0	0.00078139	0.00078139	0.00078139	0.00078139	0
3703	1	1	0.00273622	0.00273622	0	0.00273622	0.00273622	0.00273622	0	0.00273622	0.00273622	0.00273622	0.00273622	0
5174	1	1	0.00316951	0.00316951	0	0.00316951	0.00316951	0.00316951	0	0.00316951	0.00316951	0.00316951	0.00316951	0
462	1	1	0.00401696	0.00401696	0	0.00401696	0.00401696	0.00401696	0	0.00401696	0.00401696	0.00401696	0.00401696	0
2216	1	1	0.0049611	0.0049611	0	0.0049611	0.0049611	0.0049611	0	0.0049611	0.0049611	0.0049611	0.0049611	0
4394	2	2	0.000227116	0.00513229	0.004905	0.005359406	0.002679703	0.002679703	0.002453	0.000227116	0.000227116	0.000227116	0.00513229	0.004905
2267	1	1	0.00598029	0.00598029	0	0.00598029	0.00598029	0.00598029	0	0.00598029	0.00598029	0.00598029	0.00598029	0
4822	1	1	0.00661351	0.00661351	0	0.00661351	0.00661351	0.00661351	0	0.00661351	0.00661351	0.00661351	0.00661351	0
5328	2	2	0.000404983	0.00739422	0.006989	0.007799203	0.003899602	0.003899602	0.003495	0.000404983	0.000404983	0.000404983	0.00739422	0.006989
5459	1	1	0.00839167	0.00839167	0	0.00839167	0.00839167	0.00839167	0	0.00839167	0.00839167	0.00839167	0.00839167	0
3723	1	1	0.00960468	0.00960468	0	0.00960468	0.00960468	0.00960468	0	0.00960468	0.00960468	0.00960468	0.00960468	0
4362	1	1	0.0110051	0.0110051	0	0.0110051	0.0110051	0.0110051	0	0.0110051	0.0110051	0.0110051	0.0110051	0
24	1	1	0.0114937	0.0114937	0	0.0114937	0.0114937	0.0114937	0	0.0114937	0.0114937	0.0114937	0.0114937	0
3884	1	1	0.012345	0.012345	0	0.012345	0.012345	0.012345	0	0.012345	0.012345	0.012345	0.012345	0
4003	1	1	0.0185692	0.0185692	0	0.0185692	0.0185692	0.0185692	0	0.0185692	0.0185692	0.0185692	0.0185692	0
1656	1	1	0.0192799	0.0192799	0	0.0192799	0.0192799	0.0192799	0	0.0192799	0.0192799	0.0192799	0.0192799	0
1455	1	1	0.019792	0.019792	0	0.019792	0.019792	0.019792	0	0.019792	0.019792	0.019792	0.019792	0
351	1	1	0.0210001	0.0210001	0	0.0210001	0.0210001	0.0210001	0	0.0210001	0.0210001	0.0210001	0.0210001	0
3485	1	1	0.0210395	0.0210395	0	0.0210395	0.0210395	0.0210395	0	0.0210395	0.0210395	0.0210395	0.0210395	0
4575	1	1	0.0228387	0.0228387	0	0.0228387	0.0228387	0.0228387	0	0.0228387	0.0228387	0.0228387	0.0228387	0
3442	1	1	0.0248883	0.0248883	0	0.0248883	0.0248883	0.0248883	0	0.0248883	0.0248883	0.0248883	0.0248883	0
3690	1	1	0.028903	0.028903	0	0.028903	0.028903	0.028903	0	0.028903	0.028903	0.028903	0.028903	0
5359	2	2	0.00438363	0.0269582	0.022575	0.03134183	0.015670915	0.015670915	0.011287	0.00438363	0.00438363	0.00438363	0.0269582	0.022575
1465	1	1	0.0345993	0.0345993	0	0.0345993	0.0345993	0.0345993	0	0.0345993	0.0345993	0.0345993	0.0345993	0
5168	1	1	0.040544	0.040544	0	0.040544	0.040544	0.040544	0	0.040544	0.040544	0.040544	0.040544	0
4463	1	1	0.0424036	0.0424036	0	0.0424036	0.0424036	0.0424036	0	0.0424036	0.0424036	0.0424036	0.0424036	0
535	1	1	0.0485061	0.0485061	0	0.0485061	0.0485061	0.0485061	0	0.0485061	0.0485061	0.0485061	0.0485061	0
5487	1	1	0.0612851	0.0612851	0	0.0612851	0.0612851	0.0612851	0	0.0612851	0.0612851	0.0612851	0.0612851	0
5176	1	1	0.0659989	0.0659989	0	0.0659989	0.0659989	0.0659989	0	0.0659989	0.0659989	0.0659989	0.0659989	0
3148	1	1	0.0741905	0.0741905	0	0.0741905	0.0741905	0.0741905	0	0.0741905	0.0741905	0.0741905	0.0741905	0
5259	1	1	0.0759274	0.0759274	0	0.0759274	0.0759274	0.0759274	0	0.0759274	0.0759274	0.0759274	0.0759274	0
1012	1	1	0.0781453	0.0781453	0	0.0781453	0.0781453	0.0781453	0	0.0781453	0.0781453	0.0781453	0.0781453	0
2765	1	1	0.0819393	0.0819393	0	0.0819393	0.0819393	0.0819393	0	0.0819393	0.0819393	0.0819393	0.0819393	0
4984	2	2	0.031432	0.0574535	0.026022	0.0888855	0.04444275	0.04444275	0.013011	0.031432	0.031432	0.031432	0.0574535	0.026022
5247	1	1	0.101842	0.101842	0	0.101842	0.101842	0.101842	0	0.101842	0.101842	0.101842	0.101842	0
1832	1	1	0.102882	0.102882	0	0.102882	0.102882	0.102882	0	0.102882	0.102882	0.102882	0.102882	0
5150	1	1	0.104265	0.104265	0	0.104265	0.104265	0.104265	0	0.104265	0.104265	0.104265	0.104265	0
5457	1	1	0.104385	0.104385	0	0.104385	0.104385	0.104385	0	0.104385	0.104385	0.104385	0.104385	0
4586	1	1	0.105012	0.105012	0	0.105012	0.105012	0.105012	0	0.105012	0.105012	0.105012	0.105012	0
354	2	2	0.0143097	0.0953391	0.081029	0.1096488	0.0548244	0.0548244	0.040515	0.0143097	0.0143097	0.0143097	0.0953391	0.081029
2214	1	1	0.114663	0.114663	0	0.114663	0.114663	0.114663	0	0.114663	0.114663	0.114663	0.114663	0
3813	2	1	0.0573642	0.0573642	0	0.1147284	0.0573642	0.0573642	0	0.0573642	0.0573642	0.0573642	0.0573642	0
897	1	1	0.118453	0.118453	0	0.118453	0.118453	0.118453	0	0.118453	0.118453	0.118453	0.118453	0
2230	1	1	0.123255	0.123255	0	0.123255	0.123255	0.123255	0	0.123255	0.123255	0.123255	0.123255	0
4872	2	2	0.0545136	0.0697515	0.015238	0.1242651	0.06213255	0.06213255	0.007819	0.0545136	0.0545136	0.0545136	0.0697515	0.015238
837	1	1	0.131337	0.131337	0	0.131337	0.131337	0.131337	0	0.131337	0.131337	0.131337	0.131337	0
5256	1	1	0.134123	0.134123	0	0.134123	0.134123	0.134123	0	0.134123	0.134123	0.134123	0.134123	0
5334	1	1	0.136047	0.136047	0	0.136047	0.136047	0.136047	0	0.136047	0.136047	0.136047	0.136047	0
1147	1	1	0.13796	0.13796	0	0.13796	0.13796	0.13796	0	0.13796	0.13796	0.13796	0.13796	0
60	1	1	0.138562	0.138562	0	0.138562	0.138562	0.138562	0	0.138562	0.138562	0.138562	0.138562	0
4409	1	1	0.138572	0.138572	0	0.138572	0.138572	0.138572	0	0.138572	0.138572	0.138572	0.138572	0
5473	1	1	0.148709	0.148709	0	0.148709	0.148709	0.148709	0	0.148709	0.148709	0.148709	0.148709	0
650	1	1	0.149437	0.149437	0	0.149437	0.149437	0.149437	0	0.149437	0.149437	0.149437	0.149437	0
4952	1	1	0.149862	0.149862	0	0.149862	0.149862	0.149862	0	0.149862	0.149862	0.149862	0.149862	0
5448	1	1	0.152981	0.152981	0	0.152981	0.152981	0.152981	0	0.152981	0.152981	0.152981	0.152981	0
2056	2	1	0.0774563	0.0774563	0	0.1549126	0.0774563	0.0774563	0	0.0774563	0.0774563	0.0774563	0.0774563	0
5248	1	1	0.168442	0.168442	0	0.168442	0.168442	0.168442	0	0.168442	0.168442	0.168442	0.168442	0
4920	1	1	0.171431	0.171431	0	0.171431	0.171431	0.171431	0	0.171431	0.171431	0.171431	0.171431	0
4760	1	1	0.18264	0.18264	0	0.18264	0.18264	0.18264	0	0.18264	0.18264	0.18264	0.18264	0
1038	3	3	0.00432389	0.114043	0.109719	0.18447979	0.061493263	0.0661129	0.044912	0.00432389	0.00432389	0.035218395	0.09007795	0.05486
828	2	1	0.0930074	0.0930074	0	0.1860148	0.0930074	0.0930074	0	0.0930074	0.0930074	0.0930074	0.0930074	0
1392	1	1	0.188499	0.188499	0	0.188499	0.188499	0.188499	0	0.188499	0.188499	0.188499	0.188499	0
3807	1	1	0.1891	0.1891	0	0.1891	0.1891	0.1891	0	0.1891	0.1891	0.1891	0.1891	0
5431	1	1	0.191639	0.191639	0	0.191639	0.191639	0.191639	0	0.191639	0.191639	0.191639	0.191639	0
5326	1	1	0.198093	0.198093	0	0.198093	0.198093	0.198093	0	0.198093	0.198093	0.198093	0.198093	0
3844	1	1	0.198239	0.198239	0	0.198239	0.198239	0.198239	0	0.198239	0.198239	0.198239	0.198239	0
1887	1	1	0.206											

4915	1	1	0.360185	0.360185	0	0.360185	0.360185	0.360185	0	0.360185	0.360185	0.360185	0.360185	0
1099	2	2	0.10368	0.260237	0.156557	0.363917	0.1819585	0.1819585	0.078279	0.10368	0.10368	0.10368	0.260237	0.156557
2438	3	3	0.102483	0.142064	0.039581	0.364059	0.121353	0.119512	0.016211	0.102483	0.102483	0.1109975	0.130788	0.019791
382	1	1	0.369772	0.369772	0	0.369772	0.369772	0.369772	0	0.369772	0.369772	0.369772	0.369772	0
1266	1	1	0.387143	0.387143	0	0.387143	0.387143	0.387143	0	0.387143	0.387143	0.387143	0.387143	0
1489	1	1	0.393364	0.393364	0	0.393364	0.393364	0.393364	0	0.393364	0.393364	0.393364	0.393364	0
1057	1	1	0.395221	0.395221	0	0.395221	0.395221	0.395221	0	0.395221	0.395221	0.395221	0.395221	0
891	1	1	0.409056	0.409056	0	0.409056	0.409056	0.409056	0	0.409056	0.409056	0.409056	0.409056	0
1952	2	2	0.0818573	0.332492	0.250635	0.4143493	0.20717465	0.20717465	0.125317	0.0818573	0.0818573	0.0818573	0.332492	0.250635
4013	1	1	0.420626	0.420626	0	0.420626	0.420626	0.420626	0	0.420626	0.420626	0.420626	0.420626	0
4563	1	1	0.422066	0.422066	0	0.422066	0.422066	0.422066	0	0.422066	0.422066	0.422066	0.422066	0
3732	1	1	0.426829	0.426829	0	0.426829	0.426829	0.426829	0	0.426829	0.426829	0.426829	0.426829	0
1538	1	1	0.43084	0.43084	0	0.43084	0.43084	0.43084	0	0.43084	0.43084	0.43084	0.43084	0
3425	1	1	0.433132	0.433132	0	0.433132	0.433132	0.433132	0	0.433132	0.433132	0.433132	0.433132	0
4564	2	2	0.0633864	0.370711	0.307325	0.4340974	0.2170487	0.2170487	0.153862	0.0633864	0.0633864	0.0633864	0.370711	0.307325
5351	1	1	0.435889	0.435889	0	0.435889	0.435889	0.435889	0	0.435889	0.435889	0.435889	0.435889	0
925	3	3	0.00393096	0.235882	0.231951	0.4458996	0.14863332	0.206087	0.10304	0.00393096	0.00393096	0.10500898	0.220984	0.115976
940	1	1	0.447948	0.447948	0	0.447948	0.447948	0.447948	0	0.447948	0.447948	0.447948	0.447948	0
641	2	2	0.123559	0.341362	0.217803	0.464921	0.2324605	0.2324605	0.108902	0.123559	0.123559	0.123559	0.341362	0.217803
1204	2	2	0.227067	0.239965	0.012898	0.467032	0.233516	0.233516	0.006449	0.227067	0.227067	0.227067	0.239965	0.012898
4084	1	1	0.467389	0.467389	0	0.467389	0.467389	0.467389	0	0.467389	0.467389	0.467389	0.467389	0
1306	6	4	0.0211823	0.307257	0.286075	0.4680608	0.078010133	0.0366466	0.103004	0.0281472	0.0211823	0.0211823	0.045146	0.023964
3177	1	1	0.469654	0.469654	0	0.469654	0.469654	0.469654	0	0.469654	0.469654	0.469654	0.469654	0
3309	2	2	0.199608	0.277012	0.077404	0.47662	0.23831	0.23831	0.038702	0.199608	0.199608	0.199608	0.277012	0.077404
3869	1	1	0.498796	0.498796	0	0.498796	0.498796	0.498796	0	0.498796	0.498796	0.498796	0.498796	0
5441	3	3	0.0276741	0.439087	0.411413	0.5010553	0.167018433	0.0342942	0.192401	0.0276741	0.0276741	0.03098415	0.2366906	0.205706
822	1	1	0.501138	0.501138	0	0.501138	0.501138	0.501138	0	0.501138	0.501138	0.501138	0.501138	0
3173	1	1	0.511266	0.511266	0	0.511266	0.511266	0.511266	0	0.511266	0.511266	0.511266	0.511266	0
4460	1	1	0.537296	0.537296	0	0.537296	0.537296	0.537296	0	0.537296	0.537296	0.537296	0.537296	0
4784	5	4	0.0273632	0.396769	0.369406	0.5377237	0.10754474	0.0302219	0.145013	0.0302219	0.0273632	0.0273632	0.0560064	0.028643
563	2	2	0.0541905	0.486275	0.432085	0.5404655	0.27023275	0.27023275	0.216042	0.0541905	0.0541905	0.0541905	0.486275	0.432085
2533	2	2	0.224682	0.315865	0.091183	0.540547	0.2702735	0.2702735	0.045592	0.224682	0.224682	0.224682	0.315865	0.091183
3291	3	3	0.0511035	0.348205	0.297102	0.5594835	0.1864945	0.160175	0.122711	0.0511035	0.0511035	0.10563925	0.25419	0.148551
914	1	1	0.566398	0.566398	0	0.566398	0.566398	0.566398	0	0.566398	0.566398	0.566398	0.566398	0
807	1	1	0.569401	0.569401	0	0.569401	0.569401	0.569401	0	0.569401	0.569401	0.569401	0.569401	0
5443	1	1	0.569952	0.569952	0	0.569952	0.569952	0.569952	0	0.569952	0.569952	0.569952	0.569952	0
5401	1	1	0.570395	0.570395	0	0.570395	0.570395	0.570395	0	0.570395	0.570395	0.570395	0.570395	0
919	1	1	0.575336	0.575336	0	0.575336	0.575336	0.575336	0	0.575336	0.575336	0.575336	0.575336	0
1371	2	2	0.000826253	0.587222	0.586396	0.588048253	0.294024127	0.294024127	0.293198	0.000826253	0.000826253	0.000826253	0.587222	0.586396
2892	2	2	0.20664	0.396886	0.190246	0.603526	0.301763	0.301763	0.095123	0.20664	0.20664	0.20664	0.396886	0.190246
4344	1	1	0.605195	0.605195	0	0.605195	0.605195	0.605195	0	0.605195	0.605195	0.605195	0.605195	0
1610	2	1	0.30298	0.30298	0	0.60596	0.30298	0.30298	0	0.30298	0.30298	0.30298	0.30298	0
1873	1	1	0.607244	0.607244	0	0.607244	0.607244	0.607244	0	0.607244	0.607244	0.607244	0.607244	0
4935	2	2	0.210474	0.443628	0.233154	0.654102	0.327051	0.327051	0.116577	0.210474	0.210474	0.210474	0.443628	0.233154
2439	2	2	0.194125	0.462478	0.268353	0.656603	0.3283015	0.3283015	0.134177	0.194125	0.194125	0.194125	0.462478	0.268353
5340	1	1	0.660501	0.660501	0	0.660501	0.660501	0.660501	0	0.660501	0.660501	0.660501	0.660501	0
596	1	1	0.665886	0.665886	0	0.665886	0.665886	0.665886	0	0.665886	0.665886	0.665886	0.665886	0
1040	2	2	0.0333748	0.637222	0.603847	0.6705968	0.3352984	0.3352984	0.301924	0.0333748	0.0333748	0.0333748	0.637222	0.603847
404	1	1	0.673955	0.673955	0	0.673955	0.673955	0.673955	0	0.673955	0.673955	0.673955	0.673955	0
2838	2	2	0.00719444	0.67055	0.663356	0.6774444	0.33887222	0.33887222	0.331678	0.00719444	0.00719444	0.00719444	0.67055	0.663356
565	1	1	0.689583	0.689583	0	0.689583	0.689583	0.689583	0	0.689583	0.689583	0.689583	0.689583	0
943	3	3	0.0335355	0.410662	0.377127	0.6933865	0.231128833	0.249189	0.15449	0.0335355	0.0335355	0.14136225	0.3299525	0.188563
1700	2	2	0.29102	0.405283	0.114263	0.696303	0.3481515	0.3481515	0.057132	0.29102	0.29102	0.29102	0.405283	0.114263
3469	1	1	0.697156	0.697156	0	0.697156	0.697156	0.697156	0	0.697156	0.697156	0.697156	0.697156	0
2160	1	1	0.714304	0.714304	0	0.714304	0.714304	0.714304	0	0.714304	0.714304	0.714304	0.714304	0
1958	2	2	0.0303241	0.702902	0.672578	0.7332261	0.36661305	0.36661305	0.336289	0.0303241	0.0303241	0.0303241	0.702902	0.672578
136	1	1	0.741352	0.741352	0	0.741352	0.741352	0.741352	0	0.741352	0.741352	0.741352	0.741352	0
3099	1	1	0.74485	0.74485	0	0.74485	0.74485	0.74485	0	0.74485	0.74485	0.74485	0.74485	0
1362	1	1	0.751108	0.751108	0	0.751108	0.751108	0.751108	0	0.751108	0.751108	0.751108	0.751108	0
4399	1	1	0.764576	0.764576	0	0.764576	0.764576	0.764576	0	0.764576	0.764576	0.764576	0.764576	0
5335	1	1	0.774568	0.774568	0	0.774568	0.774568	0.774568	0	0.774568	0.774568	0.774568	0.774568	0
3117	2	2	0.104861	0.669938	0.565077	0.774799	0.3873995	0.3873995	0.282539	0.104861	0.104861	0.104861	0.669938	0.565077
4420	2	2	0.311897	0.465425	0.153528	0.777322	0.388661	0.388661	0.076764	0.311897	0.311897	0.311897	0.465425	0.153528
5439	2	2	0.111922	0.666657	0.554735	0.778579	0.3892895	0.3892895	0.277368	0.111922	0.111922	0.111922	0.666657	0.554735
5490	1	1	0.811658	0.811658	0	0.811658	0.811658	0.811658	0	0.811658	0.811658	0.811658	0.811658	0
1043	2	2	0.395248	0.416821	0.021573	0.812069	0.4060345	0.4060345	0.010787	0.395248	0.395248	0.395248	0.416821	0.021573
2324	2	2	1.59096e-07	0.83537	0.83537	0.835370159	0.41768508	0.41768508	0.417685	1.59096e-07	1.59096e-07	1.59096e-07	0.83537	0.83537
1612	1	1	0.835945	0.835945	0	0.835945	0.835945	0.835945	0	0.835945	0.835945	0.835945	0.835945	0
5345	1	1	0.837007	0.837007	0	0.837007	0.837007	0.837007	0	0.837007	0.837007	0.837007	0.837007	0
2085	1	1	0.837426	0.837426	0	0.837426	0.837426	0.837426	0	0.837426	0.837426	0.837426	0.837426	0
5323	2	2	0.15933	0.686451	0.527121	0.845781	0.4228905	0.4228905	0.263561	0.15933	0.15933	0.15933	0.686451	0.527121
1368	9	7	0.0387468	0.300585	0.261838	0.8793988	0.097710978	0.0772906	0.077881	0.0514903	0.0387468	0.0514903	0.0847165	0.033226
2442	1	1	0.884651	0.884651	0	0.884651	0.884651	0.884651	0</					

4954	4	4	0.00875229	0.976726	0.967974	1.35655929	0.339139823	0.1855405	0.377845	0.00875229	0.00875229	0.065110145	0.6131695	0.548059
5364	1	1	1.37386	1.37386	0	1.37386	1.37386	1.37386	0	1.37386	1.37386	1.37386	1.37386	0
767	1	1	1.42565	1.42565	0	1.42565	1.42565	1.42565	0	1.42565	1.42565	1.42565	1.42565	0
2576	2	2	0.0379779	1.40212	1.364142	1.4400979	0.72004895	0.72004895	0.682071	0.0379779	0.0379779	0.0379779	1.40212	1.364142
2314	4	3	0.174178	0.612418	0.43824	1.478266	0.3695665	0.345835	0.19825	0.517492	0.174178	0.174178	0.564955	0.390777
470	3	3	0.23406	0.80491	0.57085	1.483187	0.494395667	0.444217	0.235734	0.23406	0.23406	0.3391385	0.6245635	0.285425
4766	1	1	1.51684	1.51684	0	1.51684	1.51684	1.51684	0	1.51684	1.51684	1.51684	1.51684	0
5462	3	3	0.209558	0.783252	0.573694	1.553047	0.517682333	0.560237	0.236135	0.209558	0.209558	0.3848975	0.6717445	0.286847
5273	4	4	0.231818	0.812432	0.580614	1.557417	0.38935425	0.2565835	0.244608	0.231818	0.231818	0.2384555	0.540253	0.301798
417	2	2	0.0708889	1.50971	1.438821	1.5805989	0.79029945	0.79029945	0.719411	0.0708889	0.0708889	0.0708889	1.50971	1.438821
581	7	7	0.0734574	0.398906	0.325449	1.5816229	0.225946129	0.257081	0.118814	0.0734574	0.0734574	0.11436575	0.3117235	0.197358
3440	1	1	1.58424	1.58424	0	1.58424	1.58424	1.58424	0	1.58424	1.58424	1.58424	1.58424	0
3189	1	1	1.5868	1.5868	0	1.5868	1.5868	1.5868	0	1.5868	1.5868	1.5868	1.5868	0
5292	2	2	0.0483672	1.55094	1.502573	1.5993072	0.7996536	0.7996536	0.751286	0.0483672	0.0483672	0.0483672	1.55094	1.502573
4817	3	3	0.00412363	1.62291	1.618786	1.63290582	0.54430194	0.00587219	0.762691	0.00412363	0.00412363	0.00499791	0.814391095	0.809393
4122	2	2	0.326115	1.31282	0.986705	1.638935	0.8194675	0.8194675	0.493353	0.326115	0.326115	0.326115	1.31282	0.986705
2759	1	1	1.6393	1.6393	0	1.6393	1.6393	1.6393	0	1.6393	1.6393	1.6393	1.6393	0
2229	1	1	1.65081	1.65081	0	1.65081	1.65081	1.65081	0	1.65081	1.65081	1.65081	1.65081	0
2124	2	2	0.205378	1.4458	1.240422	1.651178	0.825589	0.620211	0.205378	0.205378	0.205378	1.4458	1.240422	
3093	4	4	0.0155021	0.781454	0.765952	1.6594451	0.414861275	0.4312445	0.285906	0.0155021	0.0155021	0.15958255	0.67014	0.510557
5369	2	2	0.459109	1.20249	0.743381	1.661599	0.8307995	0.8307995	0.371691	0.459109	0.459109	0.459109	1.20249	0.743381
5166	3	2	0.162859	1.34652	1.183661	1.672238	0.557412667	0.162859	0.557983	1.34652	0.162859	0.162859	0.7546895	0.591831
3504	1	1	1.68345	1.68345	0	1.68345	1.68345	1.68345	0	1.68345	1.68345	1.68345	1.68345	0
1252	1	1	1.69352	1.69352	0	1.69352	1.69352	1.69352	0	1.69352	1.69352	1.69352	1.69352	0
4781	3	3	0.319309	1.04926	0.729951	1.698084	0.566028	0.329515	0.341722	0.319309	0.319309	0.324412	0.6893875	0.364976
3354	2	2	0.639841	1.05968	0.419839	1.699521	0.8497605	0.8497605	0.20992	0.639841	0.639841	1.05968	0.419839	
1549	5	4	0.0189321	0.964555	0.945623	1.7048941	0.34097882	0.284177	0.326904	0.0189321	0.284177	0.153053	0.284177	0.131124
4983	15	10	6.65569e-06	0.270107	0.2701	1.718636601	0.114575773	0.0705026	0.102639	0.00372049	6.65569e-06	0.0162639	0.208448	0.192184
5436	2	2	0.210541	1.51689	1.306349	1.727431	0.8637155	0.8637155	0.653175	0.210541	0.210541	0.210541	1.51689	1.306349
1139	1	1	1.77692	1.77692	0	1.77692	1.77692	1.77692	0	1.77692	1.77692	1.77692	1.77692	0
1386	2	2	0.117648	1.67039	1.552742	1.788038	0.894019	0.894019	0.776371	0.117648	0.117648	1.67039	1.552742	
1960	3	2	0.358001	1.09217	0.734169	1.808172	0.602724	0.358001	0.358001	1.09217	0.358001	0.358001	0.7250855	0.367085
1520	2	2	0.123436	1.76763	1.644194	1.891066	0.945533	0.945533	0.822097	0.123436	0.123436	1.76763	1.644194	
2555	4	3	0.0800295	0.733657	0.653628	1.8982065	0.474551625	0.54226	0.240087	0.0800295	0.54226	0.31114475	0.6379585	0.326814
3163	4	4	7.53295e-05	0.834082	0.834007	1.96274633	0.490686582	0.5642945	0.307615	7.53295e-05	0.248545165	0.732828	0.484283	
2690	2	2	0.799712	1.17822	0.378508	1.977932	0.988966	0.988966	0.189254	0.799712	0.799712	0.799712	1.17822	0.378508
2624	1	1	1.98047	1.98047	0	1.98047	1.98047	1.98047	0	1.98047	1.98047	1.98047	1.98047	0
595	3	3	0.127874	1.21429	1.086416	1.993975	0.664658333	0.651811	0.44362	0.127874	0.127874	0.3898425	0.9330505	0.543208
5329	2	2	0.254251	0.924081	0.66983	2.102413	0.700804333	0.924081	0.315761	0.254251	0.924081	0.589166	0.924081	0.334915
556	5	4	0.213731	0.653575	0.439844	2.114292	0.4228584	0.381565	0.197367	0.213731	0.213731	0.65169	0.437959	
5330	4	4	0.00602083	1.00386	0.997839	2.12446783	0.531116958	0.5572935	0.474129	0.00602083	0.00602083	0.058438915	1.003795	0.943536
1647	6	5	0.0556594	0.750327	0.694668	2.1524696	0.358744933	0.287845	0.266199	0.0556594	0.287845	0.0951382	0.675655	0.580517
4886	3	3	0.00429241	1.71713	1.712838	2.16212841	0.72070947	0.440706	0.726753	0.00429241	0.00429241	0.222499205	1.078918	0.856419
1006	3	3	0.601238	0.867759	0.266521	2.20551	0.735183333	0.736553	0.108811	0.601238	0.601238	0.6688955	0.802156	0.133261
5219	4	4	0.0546456	1.28658	1.231934	2.2634986	0.56587465	0.4611365	0.486206	0.0546456	0.0546456	1.242523	1.007497	0.883245
337	5	5	0.0468078	0.883666	0.836858	2.2692618	0.45385236	0.380039	0.299233	0.0468078	0.0468078	0.266623	0.692126	0.425503
168	8	5	0.0387456	1.46435	1.425604	2.3272612	0.29090765	0.048253	0.478368	0.592408	0.0387456	0.04077865	0.32305115	0.282273
3181	2	2	1.13723	1.20716	0.06993	2.34439	1.172195	1.172195	0.034965	1.13723	1.13723	1.13723	1.20716	0.06993
5440	2	2	0.0844242	2.30124	2.216816	2.3856642	1.1928321	1.108408	0.0844242	0.0844242	0.0844242	2.30124	2.216816	
917	2	2	0.127011	2.2614	2.134389	2.388411	1.1942055	1.1942055	1.067195	0.127011	0.127011	2.2614	2.134389	
2739	5	5	0.181281	0.836602	0.655321	2.416392	0.4832784	0.464518	0.265155	0.181281	0.181281	0.272661	0.72643	0.518869
2452	3	3	0.468623	1.46487	0.996247	2.48311	0.827703333	0.549617	0.451757	0.468623	0.468623	0.50912	1.0072435	0.498124
1521	2	2	0.373	2.12625	1.75325	2.49925	1.249625	1.249625	0.876625	0.373	0.373	2.12625	1.75325	
1551	2	2	0.239767	2.30094	2.061173	2.540707	1.2703535	1.2703535	1.030587	0.239767	0.239767	2.30094	2.061173	
4415	12	7	0.00829245	0.823786	0.815494	2.5443676	0.212030633	0.09073	0.282205	0.0709957	0.00829245	0.034523	0.2064805	0.171958
959	2	2	1.01373	1.6123	0.59857	2.62603	1.313015	1.313015	0.299285	1.01373	1.01373	1.6123	0.59857	
2251	1	1	2.62743	2.62743	0	2.62743	2.62743	2.62743	0	2.62743	2.62743	2.62743	2.62743	0
2711	2	2	0.495599	2.15598	1.660381	2.651579	1.3257895	1.3257895	0.830191	0.495599	0.495599	2.15598	1.660381	
1552	3	2	0.192947	2.33444	2.141493	2.720334	0.906778	0.192947	1.009509	2.33444	0.192947	1.2636935	1.070747	
3891	2	2	0.0636297	2.7189	2.65527	2.7825297	1.39126485	1.39126485	1.327635	0.0636297	0.0636297	2.7189	2.65527	
1741	8	6	0.0275777	0.708328	0.68075	2.7849069	0.349363363	0.3258705	0.272123	0.0275777	0.0471556	0.6564745	0.6609319	
422	1	1	2.79654	2.79654	0	2.79654	2.79654	2.79654	0	2.79654	2.79654	2.79654	2.79654	0
1435	5	5	0.0276741	1.11708	1.089406	2.8302521	0.56605042	0.600832	0.36758	0.0276741	0.0276741	0.342638	0.740208	0.39939
2982	1	1	2.83448	2.83448	0	2.83448	2.83448	2.83448	0	2.83448	2.83448	2.83448	2.83448	0
2250	3	3	0.177932	1.71412	1.536188	2.835742	0.945247333	0.94369	0.627147	0.177932	0.177932	0.560811	1.328905	0.768094
4146	1	1	2.84002	2.84002	0	2.84002	2.84002	2.84002	0	2.84002	2.84002	2.84002	2.84002	0
5295	1	1	2.85963	2.85963	0	2.85963	2.85963	2.85963	0	2.85963	2.85963	2.85963	2.85963	0
1860	4	4	0.090209	1.83795	1.747741	3.015651	0.75391275	0.543746	0.656717	0.090209	0.090209	0.265583	1.2422425	0.97666
5437	3	3	0.0284925	1.65955	1.631058	3.0220025	1.007334167	1.33396	0.704793	0.0284925	0.0284925	0.68122625	1.496755	0.815529
1928	4	4	0.000112469	1.80274	1.802628	3.033878469	0.758469617	0.615513	0.655593	0.000112469	0.000112469	0.267923735	1.2490155	0.981092
547	9	6	0.101629	0.791651	0.690022	3.034517	0.337186556	0.186577	0.266216	0.101629	0.108392</			

List of 86 Roads in ESZ

Sr No	Road ID
1	55
2	144
3	358
4	596
5	748
6	753
7	896
8	919
9	928
10	950
11	960
12	1142
13	1143
14	1143
15	1144
16	1156
17	1203
18	1218
19	1521
20	1537
21	1552
22	1568
23	1573
24	1644
25	1700
26	1817
27	1818
28	1819
29	1873
30	1887
31	1960
32	1975
33	2211
34	2216
35	2324
36	2438
37	2439
38	2503
39	2536
40	2538
41	2540
42	2543
43	2576
44	2584
45	2624
46	2628
47	2711

48	2757
49	2877
50	3366
51	3575
52	3581
53	4003
54	4042
55	4054
56	4146
57	4213
58	4282
59	4287
60	4322
61	4415
62	4460
63	4476
64	4522
65	4535
66	4580
67	4912
68	4983
69	4984
70	4985
71	4988
72	4989
73	4997
74	5071
75	5078
76	5130
77	5167
78	5168
79	5332
80	5340
81	5364
82	5373
83	5374
84	5385
85	5392
86	5436

List of 14 roads in Protected Area

Sr No	Road ID
1	2628
2	4221
3	1521
4	1551
5	1644
6	1960
7	2503
8	2536
9	3212
10	3891
11	4054
12	4221
13	556
14	596

Appendix -2

Waste Management Plan

Project: Karnataka Road Improvement Projects

This annexure provides a structured waste management plan with issues, mitigation measures, key performance indicators (KPIs), frequency, and accountability for implementation and supervision.

1. Purpose and Scope

This Waste Management Plan has been prepared to ensure that all waste generated during the construction and operation of the Hassan road projects is minimized, segregated, handled, transported, reused, recycled, stored, and disposed of in a safe and environmentally sound manner. The plan applies to all project roads, labour camps, borrow areas, construction plant sites, storage yards, and related ancillary facilities. The plan is intended to address the issues identified in the Hassan IEE, including construction debris, camp waste, bituminous and non-bituminous waste, oil and grease contamination, wastewater from camps, and risks to drains, ponds, canals, and nearby water bodies.

2. Applicable Waste Issues

The EIA identifies several waste-related issues that require control during project implementation. These include contamination of soil due to leakage or spillage of oil, bituminous materials and other construction wastes; deterioration of surface water quality due to camp discharges and construction runoff; risks associated with solid waste from camps and muck disposal; and the need for proper disposal of unusable debris and bituminous waste at pre-designated disposal locations. The EIA also states that construction camps, vehicle maintenance areas, and fuel storage areas can create environmental risks if wastes and wastewater are not handled properly.

3. Waste Management Principles

The project shall apply the following waste management principles: (i) waste generation shall be avoided or reduced at source wherever feasible; (ii) materials with reuse value shall be recovered and reused within the project, especially construction debris suitable for subgrade works, temporary roads, or filling; (iii) recyclable wastes shall be segregated and transferred only to authorized recyclers; (iv) hazardous wastes shall be stored in protected and impermeable areas and disposed of only through approved channels; and (v) final disposal shall be undertaken only at approved and compliant disposal facilities. These principles are consistent with Annexure 11, which requires reuse of debris where feasible, safe storage of waste, use of authorized recyclers, and disposal only in compliant facilities.

1. Construction Debris Management

Issue	Mitigation Measure / Action	KPI	Monitoring Frequency	Implementation Responsibility	Supervision Responsibility	Compliance Standard
Uncontrolled disposal of debris	Contractor shall dispose debris only at approved sites away from settlements and obtain prior approvals.	100% approved sites used	Monthly	Contractor	PIU/CSC	ADB SPS 2009 & KSPCB norms
Waste generation	Contractor shall maximize reuse of debris in road works.	≥70% reuse	Monthly	Contractor	PIU	EMP targets

2. Hazardous Waste Management

Issue	Mitigation Measure / Action	KPI	Monitoring Frequency	Implementation Responsibility	Supervision Responsibility	Compliance Standard
Oil and chemical contamination	Contractor shall store hazardous waste on impervious floors with spill containment and dispose through authorized recyclers.	Zero spills, 100% recycler disposal	Weekly	Contractor	PIU	Hazardous Waste Rules 2016
Unsafe storage	Dedicated hazardous waste storage with secondary containment (110%).	100% compliant storage	Weekly	Contractor	PIU/AE	CPCB/KSPCB guidelines

3. Domestic Waste Management

Issue	Mitigation Measure / Action	KPI	Monitoring Frequency	Implementation Responsibility	Supervision Responsibility	Compliance Standard
Improper camp waste handling	Contractor shall segregate and compost biodegradable waste and dispose balance to approved landfill.	100% segregation	Weekly	Contractor	PIU	SWM Rules 2016
Public health risks	Waste shall not be openly dumped or burned.	Zero open dumping	Weekly	Contractor	PIU	ADB SPS 2009

4. Wastewater Management

Issue	Mitigation Measure / Action	KPI	Monitoring Frequency	Implementation Responsibility	Supervision Responsibility	Compliance Standard
Untreated wastewater discharge	Contractor shall treat camp wastewater through septic tanks/soak pits.	100% treated discharge	Monthly	Contractor	PIU	CPCB standards

5. Dust and Waste Transport Management

Issue	Mitigation Measure / Action	KPI	Monitoring Frequency	Implementation Responsibility	Supervision Responsibility	Compliance Standard
Dust emissions	All waste transported in covered trucks.	100% covered	Daily	Contractor	AE	CPCB Air Standards

6. Water Body Protection

Issue	Mitigation Measure / Action	KPI	Monitoring Frequency	Implementation Responsibility	Supervision Responsibility	Compliance Standard
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Drain blockage	Waste shall not be stored near drains and silt barriers shall be installed.	Zero blockage incidents	Weekly	Contractor	PIU	ADB SPS 2009
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7. Record Keeping and Reporting

Issue	Mitigation Measure / Action	KPI	Monitoring Frequency	Implementation Responsibility	Supervision Responsibility	Compliance Standard
Lack of documentation	Contractor shall maintain records of waste generation, recycling, and disposal.	100% record availability	Monthly	Contractor	PIU	Annexure 11 requirements

8. Emergency and Safety Measures

Issue	Mitigation Measure / Action	KPI	Monitoring Frequency	Implementation Responsibility	Supervision Responsibility	Compliance Standard
Fire hazards	Fire extinguishers shall be provided at waste storage areas.	100% coverage	Weekly	Contractor	PIU	OHS standards
Spill emergencies	Spill response kits and training shall be provided.	Zero unaddressed spills	Weekly	Contractor	PIU	ADB SPS 2009

Appendix 3

CHANCE FIND PROCEDURE (CFP)

CHANCE FIND PROCEDURE (CFP)

1. Purpose and Scope

1.1 Purpose

The purpose of this Chance Find Procedure (CFP) is to establish a systematic, legally compliant, and internationally aligned framework for the management of unexpected discoveries of archaeological, cultural, religious, or historical importance encountered during project implementation.

This procedure ensures that:

- Any discovered cultural resources are identified, protected, and documented to ensure their significance is properly recorded and preserved.
 - Relevant authorities are informed promptly so that legally required inspection, guidance, and clearance can be obtained.
 - Project works are managed in a manner that avoids irreversible damage to cultural heritage resources and surrounding areas.
-

1.2 Scope

This procedure applies to all project-related activities, including but not limited to:

- Road widening, excavation, and earthworks within the Right-of-Way (ROW), where subsurface cultural materials may be exposed during construction.
- Quarrying and borrow area development, as extraction activities may disturb buried archaeological or geological materials.
- Construction camps, batching plants, and haul roads, where ground preparation and temporary facilities may affect undocumented cultural assets.
- Temporary diversions and ancillary works, which may involve land disturbance beyond the main carriageway area.

It is applicable to:

- Contractors and subcontractors, who are directly responsible for site activities and immediate implementation of the procedure.
- Project Implementation Unit (PIU) and Project Management Unit (PMU), which provide oversight, coordination, and decision-making support.
- Supervision consultants (Authority Engineer / PISC), who verify compliance and support technical documentation and reporting.

The CFP is valid for all phases of the project lifecycle:

- Pre-construction, when site screening, planning, and worker orientation are carried out.
- Construction, when excavation, earthworks, and other ground-disturbing activities present the highest chance-find risk.
- Demobilization, when temporary sites are restored and any residual cultural heritage issues are closed out.

2. Applicable Policy and Legal Framework

2.1 International Safeguard Requirements

The procedure is aligned with ADB Safeguard Policy Statement (SPS), 2009, which requires:

- Avoidance of impacts on physical cultural resources (PCR) by identifying risks early and modifying works where necessary.
- Adoption of chance find procedures to ensure a clear response mechanism for unexpected discoveries.
- Consultation with affected communities and relevant authorities to ensure culturally appropriate and legally compliant decisions.

In addition:

- UNESCO World Heritage Convention (1972) promotes the protection of cultural assets of local and global importance, particularly where heritage values may extend beyond the project area.
 - International good practice (e.g., IFC/GIIP) emphasizes precaution, documentation, and professional evaluation before any work is resumed.
-

2.2 National Legal Framework

The following legislation governs archaeological and cultural heritage protection in India:

- **Ancient Monuments and Archaeological Sites and Remains Act, 1958 (AMASR Act)**, which provides for the protection and regulation of nationally important monuments and archaeological sites.
- **Antiquities and Art Treasures Act, 1972**, which regulates the ownership, movement, and protection of antiquities and art treasures.
- **Indian Treasure Trove Act, 1878**, which requires reporting of valuable finds discovered beneath the ground or in concealed locations.

These laws mandate that:

- All archaeological or cultural finds are the property of the Government and must be reported for official assessment and custody decisions.
- Unauthorized removal, damage, or sale is prohibited to prevent loss, trafficking, or destruction of cultural heritage.

The EMP also recognizes that all finds such as fossils, antiquities, and structures must be handled as per applicable legislation and reported to authorities.

2.3 State-Level Requirements

At the state level, the project shall comply with:

- Karnataka Ancient and Historical Monuments and Archaeological Sites and Remains Act, which governs protection of state-level monuments and archaeological sites.
- Guidelines issued by the competent state authorities, which provide procedural direction for reporting and managing local heritage resources.
 - Department of Archaeology, Museums and Heritage, Government of Karnataka, which is responsible for inspection, advice, and clearance for state-level heritage matters.

These authorities have jurisdiction over:

- State-protected monuments, which require protection from construction-related impacts and unauthorized disturbance.
 - Local heritage structures and undocumented sites, which may not be formally listed but may hold cultural, historical, or community value.
-

3. Definition and Types of Chance Finds

3.1 Definition

A "chance find" refers to any **unexpected discovery of cultural, archaeological, historical, or religious significance** encountered during project activities.

Such finds may occur during:

- Excavation, where buried objects, foundations, or remains may be exposed.
 - Soil removal, which may reveal artifacts or cultural deposits below the surface.
 - Cutting of slopes, where undisturbed soil layers may contain archaeological or geological materials.
 - Borrow material extraction, which can disturb large areas and expose previously unknown cultural or fossil resources.
-

3.2 Types of Chance Finds

3.2.1 *Archaeological Objects*

These include movable artifacts such as:

- Coins, tools, pottery fragments, which may indicate past settlement, trade, or domestic activity.
- Sculptures, idols, inscriptions, which may have religious, artistic, or historical significance.
- Ornaments or decorative elements, which may form part of ancient structures, rituals, or cultural practices.

3.2.2 *Structural Remains*

These include immovable structures such as:

- Foundations, walls, paving, which may represent remains of historic buildings, settlements, or routes.

- Burial sites, tombs, which require immediate protection and sensitive handling in consultation with authorities and communities.
- Old buildings or temple remnants, which may have cultural, religious, or architectural importance.

3.2.3 Cultural and Religious Sites

These include:

- Shrines, temples, mosques, which may be actively used by local communities and require uninterrupted access and respectful treatment.
- Sacred trees or groves, which may hold religious, ecological, or customary significance.
- Community cultural landmarks, which may be important for local identity, festivals, or traditional practices.

3.2.4 Paleontological/Geological Finds

- Fossils, which may provide scientific evidence of past life forms and require expert assessment.
 - Significant geological formations, which may have scientific, educational, or conservation value.
-

4. Roles and Responsibilities

4.1 Contractor

The contractor bears the primary responsibility for:

- Stopping work immediately upon discovery to prevent further disturbance or accidental damage to the find.
 - Securing the site through barricading, signage, or controlled access to protect the discovery area.
 - Reporting to the PIU and Engineer so that the formal notification and verification process can be initiated.
 - Preventing theft or damage by ensuring that no person removes, handles, or alters the find without authorization.
-

4.2 Project Implementation Unit (PIU)

The PIU is responsible for:

- Coordinating with ASI and State Archaeology Department to obtain technical advice, inspection, and statutory clearance.
- Providing instructions for further action based on authority recommendations and site-specific conditions.
- Approving resumption of works only after required safeguards, documentation, and clearances are completed.

4.3 Environmental Specialist / Supervision Consultant

Responsibilities include:

- Verification and documentation of finds to confirm the location, condition, and immediate risks associated with the discovery.
 - Ensuring compliance with this CFP by checking that site teams follow the required stop-work, protection, and reporting steps.
 - Maintaining records and monitoring to ensure that all chance finds are traceable and reported in project compliance documents.
-

4.4 Archaeological Authorities

- ASI (central authority), responsible for nationally protected monuments, archaeological sites, and antiquities.
- Karnataka Department of Archaeology (state authority), responsible for state-level heritage resources and local archaeological matters.

They are responsible for:

- Site inspection to examine the find, surrounding context, and potential heritage value.
 - Classification of finds to determine whether the discovery is archaeological, cultural, religious, paleontological, or otherwise significant.
 - Issuing clearance or directives to guide mitigation, preservation, salvage, or safe resumption of works.
-

5. Step-by-Step Chance Find Procedure

5.1 Step 1: Discovery

Upon encountering any potential cultural or archaeological material:

- The worker or supervisor must immediately inform the site engineer so that the response procedure can begin without delay.
 - Work must be stopped in the vicinity of the discovery to avoid accidental disturbance, breakage, or loss of evidence.
-

5.2 Step 2: Immediate Suspension of Works

- All construction activities within a minimum radius of 25–50 m shall be suspended to create a protective buffer around the find.
 - Equipment must be moved away from the site to prevent vibration, collision, or further ground disturbance.
-

5.3 Step 3: Site Protection and Demarcation

The contractor shall:

- Install barricades or fencing to physically prevent entry into the discovery area.
- Place warning signage to inform workers and visitors that access is restricted.
- Deploy guards if necessary to ensure continuous protection in sensitive or high-risk locations.

No material shall be removed or disturbed.

5.4 Step 4: Initial Documentation

The contractor shall prepare a Chance Find Report (CFR) including:

- Date and time of discovery, to establish an official record of when the find was identified.
 - Location (chainage and GPS coordinates), to allow authorities and project teams to accurately locate and revisit the site.
 - Description of the find, including visible characteristics, material type, and approximate condition.
 - Photographs, to provide visual evidence without disturbing the discovery.
 - Approximate depth and context, to help experts assess the origin, setting, and potential significance of the find.
-

5.5 Step 5: Reporting to PIU

- Report must be submitted within 24 hours to ensure timely escalation and decision-making.
 - PIU and Environmental Specialist shall verify the find to confirm that protection, documentation, and reporting requirements have been followed.
-

5.6 Step 6: Notification to Authorities

PIU shall notify:

- ASI, where the find may relate to nationally important archaeological remains, antiquities, or protected heritage.
- Karnataka Archaeology Department, where the find may fall under state-level heritage jurisdiction or require local expert review.

within 48 hours of discovery

5.7 Step 7: Expert Assessment

Authorities will:

- Inspect the site to assess the find, its setting, and any immediate risks from project activities.
 - Determine significance by evaluating the cultural, historical, archaeological, religious, or scientific value of the discovery.
 - Recommend actions based on the importance of the find and the feasibility of protection or mitigation.
 - Clearance, where no further cultural heritage risk is identified and works may proceed.
 - Salvage excavation, where controlled recovery and documentation are required before work resumes.
 - Preservation in situ, where the find should remain protected at its original location.
-

5.8 Step 8: Decision and Mitigation

Based on authority directions:

- Design modifications may be required to avoid direct impact on the find or to maintain an adequate protection buffer.
 - Salvage or protection measures will be implemented in accordance with authority instructions and approved mitigation plans.
-

5.9 Step 9: Resumption of Work

- Work shall resume only after written clearance from authorities and PIU to confirm that all required protection, documentation, and mitigation measures have been completed.
-

5.10 Step 10: Reporting and Record Keeping

All findings shall be:

- Recorded in a Chance Find Register to maintain a traceable record of each discovery, action taken, and final clearance status.
 - Reported in Environmental Monitoring Reports to demonstrate compliance with EMP and safeguard requirements.
-

6. Preventive Measures

To minimize risks:

- Restrict excavation to approved areas to minimize unnecessary ground disturbance and reduce the likelihood of damaging unknown heritage resources.
- Avoid disturbance outside ROW to prevent impacts on areas not assessed or cleared during project planning.

- Conduct pre-construction site walkovers to identify visible cultural features before construction begins.
 - Mark known cultural properties to ensure workers can recognize and avoid sensitive locations.
 - Engage communities for identification because local residents may know about undocumented shrines, burial places, sacred trees, or heritage features.
-

7. Training and Awareness

Contractor shall:

- Conduct induction training on key heritage protection requirements before workers begin site activities.
 - Cultural sensitivity, so workers understand the importance of respecting local beliefs, religious places, and heritage values.
 - CFP procedures, so workers know how to stop work, report, and protect a chance find.
 - Carry out regular toolbox talks to reinforce the procedure during active construction stages.
 - Display posters at work sites to provide visible reminders of reporting steps and emergency contact points.
-

8. Community Engagement

- Inform villagers about cultural protection measures so they are aware of safeguards and construction-stage controls.
 - Encourage reporting of finds by creating clear channels for communities to share local knowledge or alert project staff.
 - Ensure uninterrupted access to religious sites to avoid disruption of worship, rituals, or community practices.
-

10. Monitoring and Compliance

- PIU shall conduct periodic monitoring to verify that the CFP is implemented consistently at construction sites.
- Compliance shall be part of EMP audits to ensure chance find management is reviewed along with other environmental safeguards.
- Non-compliance shall be treated as a serious safeguard issue requiring corrective action.
 - May result in penalties where contractual or regulatory requirements are violated.
 - May lead to suspension of works where continued activity poses risk to cultural heritage or legal compliance.

Appendix 5

List of Proposed Project Roads with Cultural Heritage Properties Located within 2 km of the Road Alignment

Appendix 5: List of Proposed Project Roads with Cultural Heritage Properties Located within 2 km of the Road Alignment

S. No.	Road ID	District	Cultural Heritage Assets (ASI/State/Local importance) within 2 km
1	4561	Mandya	Maaramma Temple at distance of 25m from the road, Basaveshwara temple at distance of 20m from the road.
2	4583	Mandya	Kamma Temple at distance of 15m from the road And Chowdeshwari temple at distance of 10m from the road.
3	4997	Vijayanagara	Sunklammadevi Temple at 200m from Road
4	41	Gadag	Temple at a distance - 0.100km
5	69	Koppal	Durgadevi Temple in Betageri village
6	72	Koppal	Maruteshwara Temple in Chilavadagi village
7	169	Mandya	Sri Doddamma Temple is located Distance 150m from end chainage Ch. 3.410 km In Naragalu Village
8	183	Koppal	Marulasiddeshwara Temple in Bisaralli village
9	186	Koppal	Durgadevi Temple in Betageri village
10	212	Koppal	Budagumpa Budeshwara Temple in village
11	215	Koppal	Bheemambika Temple in Lebageri village
12	220	Koppal	Marutheswara Temple in Abbigeri village
13	240	Koppal	Laxmivenkateswara Temple in Venkatagiri village
14	339	Koppal	Iranna Temple at Ryavanki
15	517	Koppal	Sharanabasaveswara Temple in Bandi village
16	524	Koppal	Shivaparvathi Temple at Hiremyageri
17	550	Koppal	Hanuman Temple in Bylakampur village
18	630	Ballari	Ch:100m Kalikadevi Temple in Akkatangirahal & Ch:2090m Sarabanna Tatha Mutt Temple in Akkatangirahal & Ch:2800m Sri Rajayogi Hanumanatha Vadhuthara Mutt Temple in Akkatangirahal & Ch:2830m Sri Basaweshwara Temple in Akkatangirahal
19	671	Bagalkot	Ch:160m shirdi baba Temple in Meenahalli & Ch:340m Babu Rayappa Temple in Meenahalli & Ch:250m Sri Shivalaya Temple in Meenahalli
20	695	Ballari	Ch:310m Temple in vanenur & Ch:5700m Sri Banni Mahakali Devi Prasanna Temple in Gududur & Ch:6030m Sunkamma Temple in Gududur
21	798	Koppal	Basaveswara Temple in Ka;akera village
22	810	Ballari	Ch:7710m Sunkamma Temple in Gududur
23	825	Ballari	Ch:5460m Sri Hanuman Temple in Arjun raj camp
24	830	Hassan	Ch:1750m Sri Ranganathaswami Temple in Jakkenahalli
25	833	Hassan	At the CH:1260m Sri Kollapura Devi Temple is 70m from the C/L of the road in Attavara Village, At the CH:1980m Sri Beeralingeswara Temple is 20m from the C/L of the road in Attavara Village, At the CH:2160m Sri Kollapuradamma temple Sri Kshethra is 12 from the C/L of the road in Attavara Village, At the CH:3300m Sri Yoga Narashimaswamy Temple is 90 from the C/L of the Road in Mudigere Village, At the CH:3570m Sri Anjaneya Temple is 12

S. No.	Road ID	District	Cultural Heritage Assets (ASI/State/Local importance) within 2 km
			from the C/L of the Road in Mudigere Village, At the CH:3620m Sri Omkareshwara Devalya is 15 from the C/L of the Road in Mudigere Village,
26	909	Ballari	Ch:420m Basaweshwara Temple in B G Dinni
27	914	Mandya	Sri Sri Sri adideva Muddappa Swamy temple in kasalagere at ch. 3.40 km & Sri annadani muddulingeshwara swamy temple in mussandra at ch. 3.725 km
28	929	Mandya	Sri Varakallu Deviramma Temple Distance from C/L 200.00 m at Ch. 0.00km in Karadya Village & Grama devathe sri maramma Temple Distance from 60.00 m at Ch.3.430 km in Machalagatta village
29	940	Mandya	At Ch:0.150 Km (Near Sri Ram Temple in Handenahally Village)
30	943	Mandya	Sri rama Temple Distance from C/L 20.00 m at Ch. 0.15km in Handenahalli Village & Krishna Temple Distance from C/L 60.00 m at Ch. 2.77km in mallasandra village
31	1005	Hassan	Ch:3700m Sri Hulikallahalli Veerabhadra swara Temple in hulekallhalli & Ch:5790m Basaveshawaraswami Temple in hulekallhalli
32	1093	Mandya	Ch. 0.600km Basaveshwara Temple
33	1099	Mandya	Ch.1.83 Hanuman Temple
34	1132	Hassan	Ch:1080m Sri Eshwara temple in Singatgere & Ch:1280m Thirumala Temple in Nittur
35	1182	Hassan	At CH:910m Sri Rama Temple 15m From the C/L of the Road Soppinahalli Village
36	1211	Dakshina Kannada	Sri Vajillay Doomavathi Daivastana Pedamale Neermarga is located at Ch 0.00 km distance 200.00 m from road in Bhattrakodi village
37	1299	Koppal	Dyamammadevi Temple in Tondihal village
38	1392	Dakshina Kannada	At ch 0.380km, Sri Gowramma temple is located distance of 5.0 m from road in Haleyangadi village and at ch 0.570 km, Dharma daiva Jharandaya temple distance from 55.0 m in Padupanambur Kilpady village & Sri UMA Maheshwari temple is presence at Ch 1.120km distance 40.00m from road at Padupanambur village & at chainagae 2.86 km Babbarya Daivastana Kadike is located of 10.00m from road in Haleyangadi, Sasihitlu village
39	2440	Hassan	Ch:750m Mulkatammadevi Temple in Siddarahatti & Ch:930m Sri Basaweshwara Temple in Siddarahatti
40	2795	Hassan	Ch:10m Veeranjuneya Temple in Kortikere & Ch:2100m Ramamandira Temple in Agrahara
41	2815	Mandya	Ch. 1.260km Borappa Temple Distance from C/L 5.00 m Ch. 2.640km Manchamma Devi Temple Distance from C/L 8.00 m Ch. 4.680km Sri Chowdeshwari Temple Distance from C/L 10.00 m Ch. 5.070km Sri Siddeshwara Temple Distance from C/L 5.00 m Ch. 6.070km Sri Venkateshwara Temple Distance from C/L 165.00 m
42	2837	Hassan	Ch:2360m Sri Rama Temple in Honnagannahalli

S. No.	Road ID	District	Cultural Heritage Assets (ASI/State/Local importance) within 2 km
43	2886	Hassan	At CH:250m Sri lakshmi Temple 18m From the C/L of the Road & At CH:520 Sri Eshwara Temple 15m From C/L of the Road in Shanka Village.
44	2894	Hassan	At CH:360m Sri Gramadevi Temple 15m From the C/L of the Road in Kindipura Village, At CH:1230m Ramanjaneya Temple 30m From the C/L of the Road NajadevaraKval Village
45	2911	Mandya	Ch. 1.530km Sri Bommalingeshwara Swami Temple Distance from C/L 7.00 m
46	2912	Mandya	At Ch.Shri Beereshwara Swamy Temple,At ch.0.500km Sri Keerthi Raja Temple ,At ch.4.590km Shri Bettada arasammana betta Temple
47	2919	Mandya	At ch.0.000km Kalabayrewara Temple ,Hanuman Temple ,Veerabhadrewara Temple,CSI Sawdat Church.
48	2948	Mandya	At Ch.0.270 km Maruthi Temple
49	3044	Bengaluru (Urban)	Shri Kshetra Honnavva Mantralaya Mandira
50	3235	Koppal	Gangaparameshwari Temple in Hanaval village
51	3299	Koppal	Mahamaya temple at Kuknoor
52	3302	Koppal	Hanuman Temple in Makkalli village
53	3327	Koppal	Siddalingeshwar temple at yadiyapur
54	3367	Ballari	Ch:5180m Sri BeeralengeshwaraTemple in Chitinaginahalu
55	3485	Hassan	Ch:1170m Sri Chowdeshwari temple in Lingalapura & Ch:200m temple in Siddarahalli
56	3595	Hassan	Ch:990m DoddammaTemple in Mellahalli
57	3628	Mandya	Ch. 1.470 km Ganesha Temple Distance from C/L 80.00 mCh. 1.600 km Basava Temple Distance from C/L 60.00 mCh. 5.230 km Sri Kamalingeshwara Temple Distance from C/L 220.00 mCh. 5.340 km Maramma Temple Distance from C/L 80.00 mCh. 5.350 km Anjaneya Temple Distance from C/L 20.00 mCh. 5.450 km Bairaveshwara Temple Distance from C/L 210.00 m
58	3636	Mandya	Ch. 1.370km Ganesha Temple Distance from C/L 140.00 mCh. 1.560km Kabbalamma Temple Distance from C/L 180.00 mCh. 1.570km Maramma Temple Distance from C/L 15.00 mCh. 2.850km Basaveshwara Temple Distance from C/L 45.00 mCh. 2.950km Beerappa Temple Distance from C/L 45.00 mCh. 3.485km Chamundeshwari Temple Distance from C/L 180.00 m
59	3704	Mandya	Sri Venkateswara Temple Distance 110m from Ch.0.210 km In Satenahally Village & Sri Laxmi devi Temple Distance 80m from Ch.4.170 km In Hanumanahalli Village
60	3771	Hassan	Ch:1380m Muttharayappa Temple in Honnaganahalli
61	3772	Hassan	740M Madina Masjid in Huliappa Playa& 1700M Huchamma Temple Mavinakere

S. No.	Road ID	District	Cultural Heritage Assets (ASI/State/Local importance) within 2 km
62	3807	Mandya	Ch. 0.900km Shiva Temple Distance from C/L 6.00 m,Ch. 2.940km Pleknamma Temple Distance from C/L 70.00 m.
63	3817	Hassan	Ch:3960m Sri urodayadeva Temple in Kallahalli & Ch:5250m Sri Sri Lakshmidēvi Temple in Kallahalli
64	3819	Hassan	Ch:1460m Bukkapuramma Temple in Cheekanahalli
65	3844	Hassan	Ch:1440m Sri Renuka Devi temple in Halthore Koppalu
66	3931	Mandya	Ch. 3.3900km Basaveshwara Temple from C/L 15.00 m,Ch. 3.480km Nagalingeshwara Temple Distance from C/L 5.00 m
67	3940	Mandya	Ch. 0.0km Shri Manteshwamy Punya Kshethra from C/L 150.00 m,Ch. 0.100km Doddammathayi temple Distance from C/L 15.00 m,Ch. 3.350km Siddppaji Temple temple Distance from C/L 250.00 m
68	3999	Koppal	Huligi Temple in Huligi village
69	4083	Mandya	Ch. 0.360km Shri Chamundeswari Temple,Anjaneya Temple Distance from C/L 150.00 m, Ch. 0.510km Sri Mangala Malleshwara Swamy Temple Distance from C/L 215.00 m Ch. 4.680km Sri Vinayaka temple Distance from C/L 5.00 m,Ch. 4.680km maramma temple Distance from C/L 15.00 m
70	4084	Mandya	Ch. 0.000km Shri Kala Bhairaveshwara Temple Distance from C/L 250.00 m, Ch. 2.370km Sri Kabbalamma Temple Distance from C/L 80.00 m Ch. 5.1250km Shri Hiriyyamma Temple Distance from C/L 250.00 m
71	4189	Hassan	Ch:2420m MarammaTemple in Kenchanahally & Ch:2680m Sri Ranganatha Swamy Temple in Kenchanahally
72	4326	Mandya	At Ch.0.000 km SankarathiAt Ch.0.510 km Byaraweshwra Temple
73	4328	Mandya	Ch. 0.000km Shaneshwara Temple Distance from C/L 200.00 m & Ch. 0.250km Seethalingeshwara Temple Distance from C/L 250.00 m
74	4350	Mandya	Ch. 0.0km Pattadarani Temple Distance from C/L 80.00 m , Ch. 0.225km Chandramouleshwara Temple Distance from C/L 80.00 m,Ch. 0.240km kollapuradamma temple Distance from C/L 5.00 m,Ch. 0.600km Statue Distance from C/L 5.00 m
75	4356	Mandya	Ch. 0.450km Pattaladamma Temple Distance from C/L 8.00 m,Ch. 2.520km Hanuman Temple Distance from C/L 4.00 m
76	4361	Mandya	Ch. 2.640km Basaveshwara Temple Distance from C/L 350.00 m
77	4362	Mandya	Ch. 0.000km Doddamma Temple Distance from C/L 300.00 m Ch. 0.930km Rama Mandira Temple Distance from C/L 8.00 m
78	4363	Mandya	Ch. 0.870km Shree Basaveshwara Swamy Temple Distance from C/L 10.00 m,Ch. 1.950km Ramamandira Distance from C/L 5.00 m
79	4369	Mandya	Ch. 0.900km Hucchamma Devi Temple Distance from C/L 10.00 m Ch. 1.020km Anjaneya Temple Distance from C/L 10.00 m Ch. 1.080km Kodandarama Temple Distance from C/L 5.00 m Ch. 2.310km Basaveshwara Temple Distance from C/L 180.00 m
80	4408	Mandya	Ch. 0.900km Basaveshwara Temple Distance from C/L 300.00 m Ch. 2.820km Sri Shanimahatma Swamy Temple Distance from C/L 20.00 m,Ch. 3.740km Aarathi Ukkada Ahalya Devi Maramma Temple Distance from C/L 250.00 m
81	4446	Ballari	Hampi world heritage site

S. No.	Road ID	District	Cultural Heritage Assets (ASI/State/Local importance) within 2 km
82	4451	Hassan	Ch:1690m Dyavamma Temple in Thattekere
83	4482	Mandya	0.78Kumbaladevi Temple
84	4484	Mandya	Ch. 0.075km Basaveshwara Temple Distance from C/L 5.00 mCh. 1.270km Nandi Temple Distance from C/L 3.00 m
85	4503	Hassan	Ch:1200m Sri Channakeshava Temple in Agile
86	4516	Mandya	Ch. 1.110km Anjaneya Temple Distance from C/L 6.00 m ,Ch. 1.470km Maramma Temple Distance from C/L 110.00 m
87	4562	Mandya	Ch. 0.00km maramma Temple Distance from C/L 250.00 m
88	4563	Mandya	Ch. 1.89Village Goddess Temple
89	4564	Mandya	At Ch.0.000 km Eshvara TempleAt Ch.0.940 km Village Goddess Temple
90	4586	Mandya	Ch. 0.75Basaveshwara Temple
91	4794	Hassan	Malali Lakshmi devi temple at 100m from start poiont
92	4897	Hassan	Ch:1320m Sri Anjanaya Temple in Ediganahosur
93	4915	Hassan	Ch:1500m Sri Basaweshwara Temple in Kalamaranahalli
94	4933	Mandya	Ch. 2.510km Anjaneya Temple Distance from C/L 85.00 m
95	4938	Mandya	Ch. 0.075km Maramma Temple Distance from C/L 5.00 m
96	4939	Koppal	Veerupaxilinga Shivachayary Mata at Chalageri
97	4941	Koppal	Durgadevi Temple in Donnegudda village
98	4942	Koppal	Hanuman Temple in Bilekal and Kodatageri village
99	4945	Koppal	Doddabasaveshwar shivachyaray Mata at M Gudadur
100	5029	Mandya	Ch. 1.280km Shaneshwara Temple Distance from C/L 20.00 m Ch. 1.540km Sri Rama Temple Distance from C/L 145.00 m Ch. 1.560km Siddappaji Temple Distance from C/L 150.00 m
101	5030	Mandya	Ch. 0.000km Anjaneya Swamy Temple Distance from C/L 200.00 mCh. 0.240km Kalikamba Temple Distance from C/L 5.00 mCh. 2.160km Maaramma Temple Distance from C/L 20.00 mCh. 2.160km Kaalikamba Temple Distance from C/L 3.00 mCh. 3.295km Siddeshwara Temple Distance from C/L 3.00 mCh. 4.050km Pattaladamma Temple Distance from C/L 45.00 mCh. 4.050km Adichuchanagiri Temple Distance from C/L 60.00 m
102	5035	Mandya	Ch. 0.900km Desi lingeshwara temple,Marrama Temple Distance From C/L 85.00m
103	5036	Mandya	Ch. 0.0kmMadivala machideva tempal from C/L 250.00 m,Ch. 0.450km Pattaladevamma Temple Distance from C/L 7.00 m,Ch. 0.570km Shree garakalli chikkamma devi temple Distance from C/L

S. No.	Road ID	District	Cultural Heritage Assets (ASI/State/Local importance) within 2 km
			40.00 m,,Ch. 2.670km Shree Chamundeshwari Temple Distance from C/L 150.00 m,Ch. 3.180km Hiriya Temple,Ramamandira,Marigudi Distance from C/L 150.00 m
104	5037	Mandya	At Ch.0.000 km Manchamma Temple & Hebbaramma Temple At Ch.2.530 km Huliuramma Temple & Huchamma Temple
105	5070	Mandya	Ch. 1.290 km Sri Pattaladamma Temple Distance from C/L 60.00 m ,Ch. 4.960 km Sri Mayyamma Temple Distance from C/L 250.00 m
106	5134	Mandya	Krishana Temple in Chikkahosagavi village at ch. 0.880km & Chowdeshwari Temple at ch.2.00 km & Sri Channakeshava Swamy Temple at ch 2.70km
107	5151	Koppal	Sharanabasaveswara Temple in Budagumpa village
108	5288	Hassan	1500m Sri Siddeshwaraswamy temple
109	5293	Hassan	400m from alignment Sri Rameshwara temple
110	5297	Hassan	200m from alignment Sri Basaveshwara temple
111	5391	Vijayanagara	UNESCO Hampi World Heritage

Appendix 6

OCCUPATIONAL HEALTH & SAFETY (OHS) PLAN

OCCUPATIONAL HEALTH & SAFETY (OHS) PLAN

1. Introduction

1.1 Background

The Rural Road Improvement Project involves the strengthening, widening, and upgrading of existing rural road infrastructure across multiple packages within the Hassan district. The scope of works includes earthworks, pavement construction, operation of plant and machinery, drainage works, and associated construction activities.

These construction activities expose workers and nearby communities to a range of occupational health and safety (OHS) risks such as dust emissions, noise, physical injuries, exposure to hazardous materials, and health risks associated with labour camps. The baseline OHS annexure identifies multiple risks including respiratory exposure, accidents, electrocution, and unhygienic conditions at camp sites.

Given these risks, a comprehensive and structured OHS Plan is required to systematically identify hazards, implement preventive measures, and ensure safe working conditions during the entire project lifecycle.

1.2 Purpose of the OHS Plan

The purpose of this OHS Plan is to:

- **Establish a systematic approach to identifying and managing occupational hazards:** The plan provides a structured process for identifying hazards associated with construction activities, assessing the level of risk, and implementing appropriate control measures before work begins. This includes routine hazard identification, risk assessment, work-specific safety planning, and periodic review of control effectiveness.
- **Prevent workplace accidents, injuries, and illnesses:** The plan prioritizes preventive action by requiring safe work procedures, competent supervision, provision of appropriate equipment, and regular site inspections. Particular attention is given to high-risk activities such as excavation, plant operation, electrical work, working at height, and handling of hazardous materials.
- **Promote a safe working culture among all project personnel:** Safety shall be treated as a shared responsibility of the contractor, subcontractors, supervisors, engineers, and workers. The plan promotes awareness through induction training, toolbox talks, visible safety signage, reporting of unsafe conditions, and active participation of workers in maintaining safe work practices.
- **Ensure compliance with applicable national regulations and ADB SPS 2009 requirements:** The plan aligns project implementation with applicable Indian labour, safety, health, and environmental requirements, including provisions for safe working conditions, welfare facilities, accident reporting, and emergency preparedness. It also supports ADB safeguard expectations for identifying risks, implementing mitigation measures, monitoring performance, and documenting compliance.

- **Provide clear procedures for emergency preparedness and response:** The plan establishes requirements for emergency communication, first aid, evacuation, fire response, spill control, accident response, and coordination with nearby medical and emergency services. These procedures shall be communicated to all workers and tested through periodic drills.

The plan aims to achieve a “zero harm” environment where risks are minimized, controlled, and continuously monitored.

1.3 Scope of the Plan

This plan applies to:

- **All construction sites including roads, culverts, and drainage works:** The plan applies to active work fronts where excavation, embankment formation, pavement construction, culvert works, drain construction, material handling, and movement of workers and equipment are undertaken. Site-specific controls shall be adopted according to the activity and location.
- **Construction plants such as hot mix plants, crushers, and batching plants:** These facilities involve risks related to dust, noise, moving machinery, high temperatures, fuel storage, electrical systems, and vehicle movement. The plan requires dedicated safety controls, access restrictions, machine guarding, emissions control, and emergency arrangements at each plant location.
- **Labour camps and temporary facilities:** The plan covers health, hygiene, sanitation, drinking water, waste management, accommodation, cooking areas, lighting, security, and disease prevention measures at all worker camps and temporary site facilities.
- **Transportation routes, borrow areas, and quarries:** OHS controls shall be implemented for haul roads, material transport routes, borrow areas, and quarry interfaces to manage risks from traffic movement, slope instability, dust generation, loading and unloading, and community-worker interface.
- **All personnel including workers, supervisors, engineers, and subcontractors:** The plan applies equally to direct workers, contractual workers, subcontractor personnel, equipment operators, site engineers, visitors, and supervisory staff. No person shall be permitted to work at site without required induction, PPE, and authorization for assigned tasks.

The provisions of this plan are applicable throughout the project phases, including pre-construction, construction, and demobilization stages.

2. Policy and Regulatory Framework

2.1 Applicable Laws and Standards

The OHS Plan is developed in compliance with:

- **ADB Safeguard Policy Statement (SPS), 2009:** The SPS requires borrowers to identify project impacts and risks, prepare and implement environmental

management measures, consult stakeholders, and monitor implementation. For this OHS Plan, the relevant requirement is to provide a safe and healthy working environment, prevent accidents and diseases, and maintain emergency preparedness and response arrangements.

- **Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996:** The Act regulates employment conditions and provides for safety, health, and welfare measures for construction workers. It is applicable to establishments employing ten or more building workers and requires welfare facilities such as drinking water, latrines, first aid, accommodation, and safety measures.
- **Occupational Safety, Health and Working Conditions Code, 2020:** The Code consolidates provisions related to occupational safety, health, and working conditions and reinforces employer responsibility to maintain safe workplaces, provide welfare facilities, and prevent occupational risks.
- **Factories Act, 1948:** Where construction plants or facilities fall within the scope of factory operations, the relevant requirements on worker safety, machinery guarding, cleanliness, ventilation, lighting, drinking water, and welfare facilities shall be complied with.
- **Environmental Protection Act, 1986:** Environmental controls related to emissions, waste handling, hazardous material storage, and pollution prevention shall be implemented to reduce associated occupational health risks to workers and nearby communities.

These regulations require the provision of safe working conditions, adequate facilities, and protection from occupational hazards.

3. Hazardous Activities Identified for the Project

3.1 Activity-Based Hazard Identification

The project includes several activities with associated risks, as identified in the annexure:

3.1.1 Plant Operations

Operation of hot mix plants, crushers, and batching plants exposes workers to dust and gaseous emissions, which may cause respiratory diseases and long-term health issues.

3.1.2 Machinery and Vehicle Operation

The use of heavy machinery and vehicles introduces risks of collisions, overturning, and run-over accidents that can result in serious injuries or fatalities.

3.1.3 Excavation and Earthworks

Earthwork activities generate significant dust, causing respiratory issues and reduced visibility, which can increase accident risks.

3.1.4 Concreting and Masonry

Exposure to cement can cause skin irritation, burns, and respiratory problems due to inhalation of fine particles.

3.1.5 Bituminous Works

Paving operations involve exposure to high temperatures and fumes, leading to burns and inhalation hazards.

3.1.6 Working at Height

Bridge works and elevated operations pose risks of falling from height, leading to severe injuries.

3.1.7 Electrical Work

Electrical installations and maintenance may lead to electrocution or electric shocks.

3.1.8 Welding Activities

Welding operations can cause eye injuries due to arc flash and heat exposure.

3.1.9 Hazardous Materials Handling

Handling fuels, oils, and chemicals can result in chemical injuries.

3.1.10 Labour Camp Conditions

Unhygienic conditions may lead to waterborne diseases, vector-borne diseases, and health issues.

3.1.11 Noise Exposure

Noise from DG sets and machinery can lead to hearing impairment and stress.

3.1.12 Waste Handling

Improper waste disposal can lead to health hazards and environmental contamination.

4. Occupational Health Impacts

4.1 Air Pollution Impacts

Dust and emissions generated during construction can cause respiratory problems such as asthma and bronchitis. Workers operating in dusty environments are particularly vulnerable.

Mitigation Measures

- **Regular water sprinkling at work sites:** Water sprinkling shall be carried out on exposed surfaces, haul roads, active earthwork areas, and material handling locations to suppress dust generation. The frequency shall be increased during dry and windy conditions.
- **Maintenance of equipment to reduce emissions:** Construction machinery, vehicles, DG sets, and plant equipment shall be maintained in good operating condition to minimize smoke, exhaust emissions, and excessive noise. Preventive maintenance records shall be maintained by the contractor.
- **Use of protective masks by workers:** Workers engaged in dusty activities such as excavation, aggregate handling, crushing, and cement-related works shall be provided suitable respiratory protection. Supervisors shall ensure that masks are worn correctly and replaced when damaged or clogged.

- **Avoidance of unnecessary idling of machinery:** Engines of vehicles and equipment shall be switched off when not in active use to reduce emissions, fuel consumption, and worker exposure to exhaust fumes.
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4.2 Water Pollution and Sanitation Impacts

Poor sanitation and stagnant water can lead to diseases such as cholera, typhoid, and malaria.

Mitigation Measures

- **Provision of proper sanitation facilities:** Adequate toilets, bathing areas, handwashing facilities, and safe drinking water shall be provided at labour camps and major work sites. Facilities shall be gender-sensitive, accessible, regularly cleaned, and maintained in hygienic condition.
 - **Regular cleaning of camps:** Labour camps shall be cleaned on a routine basis to prevent accumulation of waste, foul odour, stagnant water, and unhygienic living conditions. The contractor shall assign responsible staff for housekeeping and camp inspection.
 - **Drainage of stagnant water:** Open drains, low-lying areas, and water collection points shall be inspected and cleared regularly to prevent mosquito breeding and waterlogging.
 - **Vector control measures:** Vector control shall include removal of stagnant water, covered waste bins, periodic disinfection, awareness among workers, and coordination with local health authorities where required.
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4.3 Solid Waste Impacts

Improper waste disposal can contaminate water sources and attract disease vectors.

Mitigation Measures

- **Segregation of waste:** Waste shall be segregated at source into biodegradable waste, recyclable waste, construction debris, used oil, contaminated materials, and hazardous waste. Separate labelled bins or storage areas shall be provided to avoid mixing and unsafe handling.
 - **Proper disposal at designated sites:** Waste shall be transported and disposed only at approved or designated locations. Hazardous and contaminated waste shall be handled using appropriate PPE and disposed through authorized vendors or as per applicable regulatory requirements.
 - **Regular waste collection:** Waste collection schedules shall be maintained for camps, work sites, plant areas, and storage yards to prevent accumulation, odour, vector attraction, and accidental exposure of workers.
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5. Occupational Health and Safety Management Measures

5.1 General Safety Measures

- **Preparation of site-specific safety plans:** Before commencement of work, the contractor shall prepare site-specific safety plans for each major activity and location. These plans shall identify hazards, required PPE, equipment safety controls, access arrangements, emergency contacts, and supervision responsibilities.
 - **Daily safety briefings and toolbox talks:** Supervisors shall conduct daily briefings before work starts to explain the day's activities, key hazards, required controls, weather-related risks, traffic arrangements, and emergency procedures.
 - **Hazard identification before tasks:** Each task shall be reviewed before execution to identify unsafe conditions, equipment defects, worker exposure, and site constraints. Work shall not proceed until identified hazards are controlled.
 - **Supervision by trained safety personnel:** Competent supervisors and safety personnel shall be deployed at active work fronts to monitor compliance, correct unsafe practices, maintain records, and coordinate with the contractor's management team.
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5.2 Personal Protective Equipment (PPE)

PPE shall be provided and enforced for all workers. This includes:

- **Helmets to prevent head injuries:** Safety helmets shall be worn by all workers, supervisors, visitors, and equipment operators in active construction zones to reduce injury risk from falling objects, accidental impact, and overhead work.
- **Reflective jackets for visibility:** High-visibility jackets shall be mandatory for personnel working near traffic, plant movement, haul roads, night work areas, and locations with reduced visibility.
- **Gloves for material handling:** Suitable gloves shall be provided based on the task, including cut-resistant gloves for sharp materials, chemical-resistant gloves for fuel or oil handling, and heat-resistant gloves for bituminous works.
- **Safety shoes for foot protection:** Workers shall use safety footwear with protective toe caps and slip-resistant soles to prevent injuries from falling materials, sharp objects, hot surfaces, and uneven ground conditions.
- **Goggles to protect against dust and sparks:** Eye protection shall be used during cutting, grinding, welding, concreting, aggregate handling, and dusty operations to prevent injuries from particles, sparks, and splashes.
- **Ear protection in high-noise areas:** Ear plugs or ear muffs shall be provided to workers exposed to high noise levels near crushers, DG sets, compactors, and heavy machinery for prolonged periods.

Proper use and maintenance of PPE shall be ensured.

5.3 Site Safety Measures

- **Installation of barricades around work zones:** Barricades shall be installed around excavations, open trenches, machinery operation areas, material storage zones, and traffic diversions to prevent accidental entry and protect workers and the public.
 - **Clear signage indicating hazards:** Warning signs, speed restriction boards, PPE requirement boards, diversion signs, and emergency information shall be displayed prominently in local language and English at appropriate locations.
 - **Controlled access to dangerous areas:** Entry to high-risk areas such as plant zones, fuel storage, electrical rooms, deep excavations, and lifting zones shall be restricted to authorized and trained personnel only.
 - **Provision of adequate lighting:** Work areas, access routes, camps, storage yards, and emergency assembly points shall be provided with sufficient lighting, especially during early morning, evening, night work, or low-visibility conditions.
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5.4 Plant and Equipment Safety

- **Regular inspection and maintenance:** All plant and equipment shall be inspected before use and maintained as per manufacturer recommendations. Defective equipment shall be withdrawn from service until repaired and certified fit for use.
 - **Installation of safety guards:** Moving parts, belts, pulleys, rotating shafts, crushers, mixers, and other hazardous components shall be fitted with guards to prevent entanglement, crushing, or contact injuries.
 - **Restriction of unauthorized access:** Plant areas shall be barricaded and access-controlled. Only trained operators, mechanics, supervisors, and authorized personnel shall be allowed to enter or operate equipment.
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5.5 Excavation Safety

- **Stabilization of excavation walls:** Excavation sides shall be protected through safe slopes, benching, shoring, or other suitable support depending on soil conditions, depth, groundwater, and nearby loadings.
 - **Avoidance of steep slopes:** Excavations shall not be left with unstable or near-vertical faces unless properly supported. Spoil, materials, and equipment shall be kept at a safe distance from excavation edges.
 - **Restriction of access to hazardous zones:** Open excavations shall be barricaded, marked with warning signs, and provided with safe access and egress. Unauthorized entry shall be prohibited.
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5.6 Working at Height

- **Use of safety harnesses:** Full-body harnesses with secure anchorage shall be used where workers are exposed to fall hazards. Harnesses shall be inspected before use and connected to approved lifelines or anchor points.

- **Installation of guardrails:** Guardrails, toe boards, and edge protection shall be provided at elevated platforms, bridge works, scaffolds, and open edges to prevent falls of workers and materials.
 - **Proper scaffolding:** Scaffolds shall be erected on firm ground by competent persons, inspected before use, and provided with stable platforms, safe access, bracing, and load limits.
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5.7 Electrical Safety

- **Proper insulation of cables:** Electrical cables shall be insulated, routed safely, protected from water and mechanical damage, and kept away from vehicle movement areas wherever possible.
 - **Use of earthing systems:** Electrical equipment, panels, generators, and temporary power systems shall be properly earthed to reduce risks of shock and electrocution.
 - **Regular inspection:** Electrical installations shall be inspected by competent personnel. Damaged cables, loose connections, overloaded sockets, and exposed live parts shall be corrected immediately.
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5.8 Fire Safety

- **Provision of fire extinguishers:** Appropriate fire extinguishers shall be provided at fuel storage areas, plant locations, workshops, camps, electrical rooms, and hot work areas. Extinguishers shall be inspected regularly and workers shall be trained in their use.
 - **Safe storage of flammable materials:** Fuels, oils, bitumen, gas cylinders, and other flammable materials shall be stored in designated, ventilated, labelled, and secured areas away from ignition sources.
 - **Emergency response plans:** Fire response procedures shall include alarm raising, evacuation, isolation of fuel sources, use of firefighting equipment, emergency contacts, and assembly points.
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6. Occupational Health Services

6.1 First Aid

- **First aid kits at all sites:** Adequately stocked first aid kits shall be available at work fronts, plant sites, labour camps, vehicles, and site offices. Contents shall be checked periodically and replenished immediately after use.
 - **Trained first aid personnel:** Sufficient workers and supervisors shall be trained in basic first aid, emergency stabilization, communication protocols, and referral procedures to nearby medical facilities.
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6.2 Medical Facilities

- **Access to nearest hospital:** The contractor shall identify the nearest hospitals, clinics, and emergency medical facilities for each work package and display contact details at work sites, camps, and site offices.
 - **Emergency transport arrangements:** A vehicle or ambulance arrangement shall be available for prompt transfer of injured or ill workers to medical facilities. Drivers and supervisors shall be informed of emergency routes and contacts.
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6.3 Health Monitoring

- **Periodic health check-ups:** Workers shall undergo health check-ups at appropriate intervals, with special attention to workers exposed to dust, noise, bitumen fumes, chemicals, and physically demanding activities.
 - **Monitoring of occupational illnesses:** The contractor shall maintain records of reported illnesses, symptoms related to occupational exposure, medical referrals, and corrective actions taken to reduce recurrence.
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7. Emergency Preparedness and Response

7.1 Potential Emergencies

- **Accidents:** Potential accidents include vehicle collisions, slips and falls, struck-by incidents, equipment-related injuries, excavation collapse, and injuries during material handling. Immediate response shall focus on securing the area, providing first aid, and notifying responsible personnel.
 - **Fires:** Fire risks may arise from fuel storage, electrical faults, welding, bituminous works, gas cylinders, and camp cooking areas. Fire prevention and response arrangements shall be maintained at all high-risk locations.
 - **Chemical spills:** Spills may occur during storage, handling, refuelling, maintenance, or transport of fuels, oils, lubricants, chemicals, and bituminous materials. Spill kits and trained personnel shall be available at relevant locations.
 - **Natural hazards:** Heavy rain, lightning, flooding, heat stress, and unstable ground conditions may affect worker safety. Weather conditions shall be monitored and work shall be suspended where unsafe conditions are identified.
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7.2 Emergency Response Plan

- **Immediate response procedures:** Emergency procedures shall define how to raise an alarm, stop work, isolate the hazard, provide first aid, inform the site supervisor, and record the incident. Emergency instructions shall be displayed at work sites and camps.
- **Evacuation routes:** Safe evacuation routes and assembly points shall be identified, marked, and kept free from obstruction. Workers shall be briefed on evacuation arrangements during induction and emergency drills.

- **Coordination with emergency services:** The contractor shall maintain updated contact details of hospitals, fire services, police, ambulance providers, local administration, and project representatives for prompt coordination during emergencies.
-

7.3 Equipment

- **Fire extinguishers:** Fire extinguishers suitable for electrical, fuel, oil, and general fires shall be placed at accessible locations and inspected regularly to confirm serviceability.
 - **First aid kits:** First aid kits shall be maintained at work fronts, vehicles, camps, and offices to ensure immediate treatment is available before referral to medical facilities.
 - **Emergency communication systems:** Mobile phones, contact lists, alarms, public address arrangements, or other communication systems shall be available to ensure rapid notification during emergencies.
-

8. Training and Capacity Building

8.1 Induction Training

All workers shall receive training on:

- **OHS Plan:** Workers shall be oriented on the purpose of the OHS Plan, their responsibilities, basic safety rules, reporting requirements, and consequences of unsafe behaviour.
 - **Site hazards:** Workers shall be informed about hazards specific to their work locations, including traffic movement, excavation, plant operations, electrical risks, dust, noise, hot works, and hazardous materials.
 - **Emergency procedures:** Training shall cover alarm raising, evacuation, first aid access, emergency contacts, fire response, spill response, and reporting of accidents and near-misses.
-

8.2 Toolbox Talks

Regular toolbox talks shall:

- **Highlight specific daily risks:** Toolbox talks shall focus on activities planned for the day and the associated hazards, including equipment movement, weather conditions, traffic interface, excavation safety, lifting, material handling, and PPE requirements.
 - **Reinforce safe practices:** Supervisors shall use toolbox talks to remind workers of safe work methods, lessons from recent incidents, correct PPE use, housekeeping expectations, and immediate reporting of unsafe conditions.
-

8.3 Specialized Training

Specific training shall be provided for:

- **Equipment operators:** Operators shall receive task-specific training on safe operation, pre-start checks, speed control, blind spots, reversing procedures, warning alarms, and safe parking of machinery.
 - **Electrical workers:** Electrical personnel shall be trained on isolation procedures, lockout arrangements, earthing, inspection of temporary electrical installations, and emergency response for electric shock incidents.
 - **Supervisors:** Supervisors shall be trained on hazard identification, permit-to-work requirements, incident reporting, corrective action tracking, worker briefing, and enforcement of site safety requirements.
-

9. Monitoring and Reporting

9.1 Monitoring

- **Regular inspections of sites:** The contractor's safety team shall conduct routine inspections of work fronts, camps, plant areas, storage yards, traffic diversions, and emergency facilities to verify implementation of this plan.
 - **Compliance checks:** The PIU and Supervision Consultant shall review implementation against approved OHS requirements, site-specific safety plans, statutory obligations, and corrective action records.
-

9.2 Incident Reporting

- **Record all accidents and near-misses:** All injuries, property damage incidents, environmental incidents, unsafe occurrences, and near-misses shall be recorded in an incident register, irrespective of severity.
 - **Investigate causes:** Incidents shall be investigated to identify immediate causes, root causes, unsafe acts, unsafe conditions, and management system gaps. Findings shall be documented and shared with relevant teams.
 - **Implement corrective measures:** Corrective and preventive actions shall be assigned to responsible persons with target dates and tracked until closure. Lessons learned shall be integrated into toolbox talks and future work planning.
-

9.3 Documentation

Maintain records of:

- **Safety incidents:** Records shall include accident reports, near-miss reports, investigation findings, photographs where relevant, medical referrals, and corrective action status.
- **Training:** Training records shall include induction attendance, toolbox talk registers, specialized training details, trainer names, topics covered, and worker signatures.
- **Health monitoring:** Health monitoring records shall include medical check-up schedules, occupational illness records, first aid usage, referrals, and follow-up actions while maintaining confidentiality of personal medical information.

10. Institutional Arrangements

10.1 Contractor

- **Implementation of OHS Plan:** The contractor shall be primarily responsible for implementing this OHS Plan at all work sites, plants, camps, and ancillary facilities. This includes provision of resources, PPE, safety personnel, training, documentation, emergency arrangements, and corrective actions.
 - **Appointment of Safety Officer:** The contractor shall appoint qualified safety personnel with authority to inspect works, stop unsafe activities, conduct training, maintain records, and report OHS performance to project management.
-

10.2 PIU

- **Monitoring compliance:** The PIU shall monitor overall implementation of OHS requirements through periodic site visits, review of reports, participation in review meetings, and follow-up on non-compliances.
 - **Ensuring implementation:** The PIU shall ensure that contractors allocate adequate resources, address repeated non-compliances, and integrate OHS performance into contract management and progress review processes.
-

10.3 Supervision Consultant

- **Independent verification:** The Supervision Consultant shall verify implementation of OHS measures through inspections, document review, worker interaction, and validation of corrective actions taken by the contractor.
- **Reporting:** The Supervision Consultant shall include OHS performance, incidents, training, inspections, non-compliances, and corrective actions in periodic progress and safeguard monitoring reports.

Appendix – 7

Emergency Response Plan

Emergency Response Plan

1. Occupational Health Emergencies

Explanation

Occupational health emergencies may arise due to the operation of heavy machinery, excavation activities, and exposure to electrical systems. These incidents can result in injuries ranging from minor cuts to severe or fatal accidents.

Actions and Responsibilities

- The **Site Engineer** shall ensure that all construction activities are immediately stopped in the affected area to prevent escalation of the incident.
- The **First Aid Team**, under the supervision of the Safety Officer, shall promptly administer first aid to the injured worker and stabilize the condition.
- The **Contractor** shall arrange for immediate evacuation of the injured person to the nearest hospital or primary health center using the designated emergency vehicle or ambulance.
- The **Safety Officer** shall inform the PIU and Authority Engineer within 24 hours of the incident and ensure that all required documentation is completed.
- The **Contractor, in coordination with the Authority Engineer**, shall conduct a detailed investigation to identify root causes and implement corrective and preventive measures before resuming work.

2. Fire and Explosion Emergencies

Explanation

Fire and explosion risks are primarily associated with fuel storage areas, bitumen handling operations, electrical systems, and gas cylinders used for cutting and welding activities.

Actions and Responsibilities

- The **Site Engineer** shall immediately isolate the source of ignition and shut down all electrical and fuel supply systems in the affected area.
- The **Fire Response Team** shall use appropriate fire extinguishers (such as foam for fuel fires and CO₂ for electrical fires) to control the situation.
- The **Safety Officer** shall organize the safe evacuation of all personnel to designated assembly points and ensure that no unauthorized access occurs in the affected area.
- The **Communication Officer** shall notify the nearest fire department and local authorities without delay.

- The **Authority Engineer** shall verify site safety conditions after the incident and approve the recommencement of work only after ensuring that all risks have been adequately mitigated.
-

3. Hazardous Material Spill Management

Explanation

Spills involving diesel, lubricants, bitumen, or other hazardous substances can pose significant risks to soil quality, surface water bodies, and nearby agricultural land.

Actions and Responsibilities

- The **Site Team**, under the direction of the Site Engineer, shall immediately contain the spill using sandbags, absorbent materials, or physical barriers to prevent further spread.
 - The **Environmental Officer** shall ensure the appropriate use of spill response kits and supervise the containment process.
 - The **Contractor** shall ensure that spilled materials are prevented from entering water bodies, drains, or agricultural areas.
 - The **Contractor** shall arrange for the safe collection, storage, and disposal of contaminated materials in accordance with Karnataka State Pollution Control Board (KSPCB) guidelines.
 - The **Safety Officer** shall report the incident to the PIU and document the response measures undertaken.
-

4. Flooding and Waterlogging

Explanation

Flooding and waterlogging may occur during heavy monsoon rains, particularly in low-lying areas and regions with inadequate drainage systems, leading to disruption of construction activities and damage to infrastructure.

Actions and Responsibilities

- The **Site Engineer** shall suspend construction activities when heavy rainfall or flooding conditions are observed.
- The **Contractor** shall deploy pumps, construct temporary drainage channels, and clear obstructions in existing drains to facilitate the safe discharge of water.
- The **Store Manager** shall ensure that all construction materials, fuel storage, and equipment are safely relocated or protected from water damage.
- The **Contractor** shall evacuate labour camps located in flood-prone areas and relocate workers to safe locations.

- The **PIU**, in coordination with district authorities, shall monitor flood conditions and provide guidance for safe resumption of works.
-

5. Traffic Accidents and Public Safety Emergencies

Explanation

Traffic accidents may occur due to the interaction between construction vehicles and public transport, particularly in narrow rural roads with high pedestrian and vehicular movement.

Actions and Responsibilities

- The **First Aid Team** shall provide immediate medical assistance to injured persons and arrange for transportation to nearby healthcare facilities.
 - The **Communication Officer** shall promptly inform the local police and emergency services regarding the incident.
 - The **Contractor** shall deploy trained traffic marshals and ensure immediate crowd and traffic control at the accident site.
 - The **Authority Engineer** shall review the adequacy of traffic management measures and recommend improvements in signage, barricading, and safety protocols.
-

6. Electrical and Mechanical Failures

Explanation

Mechanical failures and electrical faults may lead to accidents such as electrocution, equipment collapse, or fire.

Actions and Responsibilities

- The **Authorized Electrician** shall immediately shut down power supply to the affected equipment or area to eliminate electrical hazards.
 - The **Site Engineer** shall restrict access to the affected area until it is deemed safe.
 - The **Maintenance Team** shall inspect the equipment thoroughly to identify faults and undertake necessary repairs.
 - The **Authority Engineer** shall verify safety compliance before permitting the resumption of equipment operations.
-

7. Public Health Emergencies (Labour Camps)

Explanation

Labour camps may pose risks of communicable diseases and health hazards due to overcrowding, inadequate sanitation, and unsafe water supply.

Actions and Responsibilities

- The **Camp Manager** shall isolate affected individuals and prevent further contact with other workers.
- The **Contractor** shall arrange for immediate medical examination and treatment of affected personnel.
- The **Safety Officer** shall ensure that sanitation facilities are upgraded and disinfected regularly to prevent further spread of disease.
- The **Authority Engineer** shall monitor compliance with health and hygiene standards at labour camps and ensure corrective measures are implemented.

Appendix 8

Labour Accommodation Plan

LABOUR ACCOMMODATION PLAN (LAP)

1. Objectives of the Labour Accommodation Plan

The objective of this Labour Accommodation Plan (LAP) is to ensure that any worker accommodation established for the project is planned, constructed, operated, monitored and closed in a manner that is safe, hygienic, non-discriminatory and consistent with applicable national/local regulations, the project Environmental Management Plan (EMP), labour management requirements, and international good practice reflected in the IFC/EBRD Guidance Note on Workers' Accommodation. The LAP requires the Contractor to provide accommodation that is clean, secure, adequately serviced, respectful of workers' rights and freedom of movement, and managed through documented procedures for health and safety, security, grievance redress, community relations, emergency response, sanitation, food safety, medical support and site reinstatement.

2. Project Labour Requirements

2.1 Workforce Characteristics

The Contractor shall prepare a project-specific workforce estimate before establishing any labour camp, including the number of skilled, semi-skilled and unskilled workers, expected peak workforce, duration of stay, gender composition, migrant/local workforce ratio, and special accommodation needs. Local labour shall be prioritised wherever feasible to reduce pressure on housing, utilities, transport, health services and community cohesion. Camp size, location and design shall be confirmed by the Contractor based on the approved construction programme and peak workforce estimate.

2.2 Labour Composition

Category	Details
Skilled Labour	Operators, engineers
Semi-skilled Labour	Masons, drivers
Unskilled Labour	General workers

3. Site Selection Criteria for Labour Camps

Before establishing any labour camp, the Contractor shall assess the availability of local workforce and existing housing options in nearby communities. New accommodation shall be developed only where local labour or suitable existing housing is insufficient. Camp sites shall be selected to avoid flood-prone areas, unstable land, natural drainage channels, water bodies, protected/forest areas, sensitive receptors, cultural heritage sites, community facilities and locations where workers may be exposed to excessive noise, dust, emissions, traffic or operational hazards. Sites shall have adequate access, safe and free transport to worksites where required, reliable water supply, drainage, sanitation

feasibility, emergency access and sufficient setback from settlements to avoid disturbance while preserving workers' freedom of movement. All statutory permissions, land-use approvals and community consultations shall be completed before camp establishment.

4. Labour Camp Layout Planning

4.1 Layout Planning Principles

The camp layout shall be prepared as a scaled drawing and approved before construction. The layout shall provide clearly demarcated zones for accommodation, toilets and bathing areas, kitchen/canteen, drinking water points, laundry, recreation/rest areas, first aid room, waste storage, hazardous material storage, parking, security post and emergency assembly area. The design shall ensure adequate drainage, safe internal circulation, lighting, fire separation, emergency exits, access for ambulances/fire vehicles, gender-segregated facilities, privacy, mosquito/vector control, and separation of sleeping areas from cooking, fuel storage, waste handling and material storage areas.

4.2 Camp Infrastructure Components

Component	Description
Residential Units	Worker housing
Kitchen	Cooking facilities
Sanitation	Toilets and bathing
Health Unit	First aid
Storage	Material storage
Waste Area	Waste handling

5. Accommodation Standards

Parameter	Upgraded Standard
Floor space	Minimum 4.0–5.5 m ² per worker or 10–12.5 m ³ air volume per resident; overcrowding is prohibited.
Room occupancy	Single or double rooms are preferred. Collective rooms shall be minimised and limited to a reasonable number of workers, generally 2–8 persons per room.
Ceiling height	Minimum 2.10 m clear height; higher local building standards shall prevail where applicable.

Beds	One separate bed per worker; hot-bedding and triple-deck bunks are prohibited; minimum 1 m spacing between beds; double-deck bunks shall be avoided or minimised.
Privacy and storage	Lockable doors/windows, mosquito screens where required, curtains/partitions, individual lockers/cupboards, and separate storage/drying areas for work clothes, boots and PPE.
Gender separation	Separate sleeping, toilet, bathing and sanitary facilities shall be provided for men and women, except in family accommodation.

6. Basic Amenities and Facilities

6.1 Water Supply

Free, safe and conveniently accessible potable water shall be available at all times in the same accommodation area/building as the sleeping facilities. The design supply shall provide 80–180 litres per person per day depending on climate, camp size and use. Drinking water shall comply with IS 10500 and, where more stringent or applicable, WHO drinking water quality standards. All storage tanks shall be covered, protected from contamination, cleaned periodically and tested through a documented water quality monitoring programme.

6.2 Sanitation Facilities

Separate toilet, bathing and handwashing facilities shall be provided for men and women, constructed with easily cleanable materials, lockable doors, adequate privacy, lighting, ventilation, anti-slip flooring, drainage and continuous water supply. Toilets, urinals, washbasins and showers shall be provided at adequate ratios, with a minimum benchmark of one unit per 15 workers and higher standards applied where required by law or site conditions. Toilets shall be conveniently located, accessible without passing through sleeping rooms, cleaned frequently and maintained in working condition. Wastewater and sewage shall be treated through approved septic tanks/soak pits or other authorised systems and shall not contaminate land, water bodies, drains or nearby communities.

6.3 Cooking and Canteen Facilities

Cooking and canteen facilities shall be separate from sleeping areas, adequately ventilated, fire-safe, pest-protected, easy to clean and equipped with LPG or other approved clean fuel. Canteens shall provide sufficient space, seating, drinking water and hygienic serving arrangements. Food preparation areas shall have washable non-toxic surfaces, handwashing facilities, safe storage, refrigeration where required, separate handling of raw and cooked food, sealable waste containers and frequent waste removal. The WHO “Five Keys to Safer Food” approach or equivalent food safety procedure shall

be implemented. Food shall be nutritious, culturally appropriate and respectful of workers' religious requirements.

6.4 Health Facilities

First aid facilities shall be available on site at all times, with adequately stocked first aid kits, trained first aiders and a clearly displayed emergency contact list. For larger camps, a dedicated first aid/medical room shall be provided with potable water, handwashing facilities, couch, basic medical supplies, communication equipment and incident register. The Contractor shall establish tie-ups with nearby health facilities, arrange emergency transport, maintain records of illnesses/injuries, and report outbreaks of communicable disease, food poisoning or serious casualties to the relevant authorities and the Employer/Engineer.

7. Occupational Health and Safety (OHS)

The Contractor shall prepare and implement a camp-specific Health, Safety and Emergency Response Plan covering electrical safety, structural safety, fire prevention, food safety, water safety, sanitation, vector control, traffic safety, first aid, medical referral, infectious disease prevention, heat stress, emergency evacuation and incident reporting. Fire safety arrangements shall include extinguishers, alarms or manual warning systems, emergency exits, assembly points, periodic drills, trained fire wardens and routine inspection of electrical installations, LPG storage and cooking areas. Workers shall receive induction and periodic training on camp rules, hygiene, PPE, emergency procedures, communicable disease prevention, alcohol/drug risks, gender-based violence and harassment prevention, and safe conduct within nearby communities.

8. Environmental Management at Labour Camps

Aspect	Upgraded Measures
Drainage and stagnant water	Provide peripheral drains, maintain natural drainage, prevent waterlogging and stagnant water, and implement mosquito/vector control.
Solid waste	Provide covered, leak-proof bins; segregate biodegradable, recyclable and hazardous waste; remove waste regularly through authorised handlers; prohibit open dumping and burning.
Wastewater and sewage	Treat and dispose wastewater through approved septic tank/soak pit or authorised facility; prevent discharge to water bodies, agricultural fields or public drains.
Air, dust and noise	Control dust on access roads, restrict noisy activities near rest hours, maintain generators/equipment, and provide buffer from sensitive receptors.
Pest and vector control	Implement periodic disinfection, pest control, mosquito control, waste removal and housekeeping inspection across living, kitchen and sanitation areas.

9. Social Safeguards

The Contractor shall prohibit child labour, forced labour, withholding of identity documents, debt bondage, discriminatory housing allocation and any restriction on workers' freedom of movement except where temporary, lawful and justified for safety/security reasons. Workers shall receive written camp rules, grievance procedures, disciplinary procedures and emergency contacts in a language they understand. Freedom of association shall be respected. Housing rules shall be fair, non-discriminatory and proportionate, including clear provisions on visitors, alcohol, tobacco, quiet hours, waste management, hygiene, harassment prevention and disciplinary action. Separate, safe and private facilities shall be provided for women workers, with appropriate security arrangements and access to female medical staff where feasible.

10. Health and Awareness Programs

The Contractor shall conduct induction and refresher awareness sessions covering personal hygiene, handwashing, safe drinking water, food safety, sanitation, vector-borne disease prevention, HIV/AIDS and other communicable disease awareness, heat stress, safe transport, fire safety, emergency response, responsible behaviour in nearby communities, gender-based violence and harassment prevention, and the worker

grievance mechanism. Attendance records, training materials and photographs shall be maintained for audit purposes.

11. Monitoring and Reporting

The Contractor shall implement a documented inspection and reporting system for labour accommodation. Daily housekeeping checks, weekly camp inspections and monthly compliance audits shall cover occupancy, water quality, sanitation, toilets/showers, solid waste, wastewater, drainage, kitchen hygiene, food safety, first aid, fire safety, vector control, security, grievance records, training, worker consultation and community complaints. Non-compliances shall be recorded in a corrective action register with responsibility, target date, closure evidence and verification by the Engineer/CSC/PIU as applicable.

12. Institutional Responsibilities

Stakeholder	Upgraded Responsibilities
Contractor	Prepare site-specific LAP and camp layout; obtain approvals; provide compliant facilities; appoint camp manager; implement OHS, sanitation, food safety, security, grievance, community relations and closure measures; maintain records and submit reports.
Camp Manager	Manage day-to-day accommodation standards, housekeeping, occupancy, worker consultation, grievance logging, emergency preparedness, inspection checklists, corrective actions and reporting.
PISC/Engineer	Review and approve LAP/layout; conduct routine supervision; verify corrective actions; review monitoring records; escalate serious non-compliance to PIU.
PIU/Employer	Ensure contractual inclusion of accommodation standards; monitor implementation; review audit findings; ensure unresolved issues are addressed through contractual remedies.
Local Authorities	Provide regulatory approvals/oversight as applicable for land use, water, sanitation, fire safety, health, waste disposal and labour welfare.

13. Camp Closure and Site Restoration

Camp closure shall be planned from the outset. The Contractor shall prepare a closure and reinstatement plan before demobilisation, including removal of temporary structures,

toilets, septic systems where required, waste, debris, hazardous materials, foundations and utilities; cleaning and disinfection of the site; restoration of drainage; levelling and stabilisation of disturbed land; removal or authorised handover of reusable facilities; and photographic evidence of completion. Any residual contamination, waste disposal or community grievance related to camp closure shall be resolved before final acceptance by the Engineer/PIU.

Appendix 9

Topsoil Management Plan (TSMP)

TOPSOIL MANAGEMENT PLAN (TSMP)

1. Objectives of the Topsoil Management Plan

The Topsoil Management Plan (TSMP) is designed to achieve the following objectives:

- **Systematic stripping of topsoil prior to earthworks:** Topsoil shall be removed before excavation, grading, widening, embankment formation, camp establishment, or any other activity involving ground disturbance. This will prevent loss of fertile soil and ensure that biologically active soil is available for later site restoration.
- **Safe storage and preservation of soil quality:** Stripped topsoil shall be stored in designated, protected stockpile areas to maintain its fertility, organic content, seed bank, and microbial activity. Storage practices shall avoid compaction, erosion, contamination, and mixing with subsoil or construction waste.
- **Maximum reuse for restoration and landscaping:** Conserved topsoil shall be reused as a priority material for embankment slope dressing, roadside plantation, borrow area rehabilitation, and restoration of temporary construction facilities. Reuse will reduce the need for external soil resources and support quicker vegetation establishment.
- **Minimization of environmental impacts:** Proper topsoil handling shall reduce soil erosion, dust generation, sediment-laden runoff, and contamination of nearby water bodies or agricultural land. Erosion and runoff control measures shall be implemented at stripping, storage, transport, and reuse locations.
- **Restoration of disturbed sites:** All temporarily disturbed project sites shall be restored to pre-construction condition or better, wherever practicable. Restoration shall include re-spreading of topsoil, surface stabilization, vegetation establishment, and removal of construction debris and temporary facilities.

2. Scope of Topsoil Management

This Topsoil Management Plan is applicable across all areas of the project where soil disturbance is expected.

2.1 Applicable Locations

Topsoil management measures shall be implemented at:

- **Road Right of Way (RoW) areas:** Topsoil shall be stripped from road formation, widening, shoulder improvement, drain construction, and other locations within the approved RoW before civil works commence.
- **Borrow areas:** Topsoil from borrow areas shall be removed and stored separately before extraction of embankment material. The conserved soil shall be reapplied during borrow area rehabilitation to support restoration of productive land use.
- **Quarry approach and haul roads:** Where temporary access roads require ground clearance, topsoil shall be conserved and reused during closure or stabilization of disturbed access routes.
- **Construction camps, batching plants, and storage yards:** Topsoil removed from temporary facility areas shall be stockpiled within or near the facility boundary and reused during decommissioning and site restoration.

- **Temporary diversions and access routes:** Topsoil shall be conserved from temporary diversions and access tracks to enable reinstatement of land after the diversion or access route is no longer required.

2.2 Implementation Responsibility

The contractor shall be solely responsible for implementing this TSMP. Implementation shall be:

- **Integration into construction planning and scheduling:** The contractor shall identify areas requiring topsoil stripping during work planning and ensure that stripping, storage, transport, and reuse activities are sequenced with civil works to avoid unnecessary exposure of soil.
- **Supervision by the Environmental Officer:** The contractor's Environmental Officer shall supervise implementation, verify storage locations, maintain records, and ensure that workers and equipment operators follow the prescribed handling procedures.
- **Monitoring by PIU/KRRDA:** PIU/KRRDA shall review compliance through site inspections, monthly environmental monitoring reports, and corrective action tracking where non-compliances are observed.

3. Topsoil Stripping

3.1 Stripping Methodology

Topsoil stripping shall be carried out prior to any excavation, grading, or filling operations. The method shall include:

- **Removal depth:** The topsoil layer shall generally be stripped to a depth of 150–300 mm, depending on site-specific soil profile, organic matter content, and field conditions. The exact depth shall be confirmed by the Environmental Officer before stripping begins.
- **Use of controlled mechanical equipment:** Graders, excavators, loaders, or other suitable equipment shall be used carefully to remove topsoil without excessive compaction or mixing with subsoil. Operators shall be briefed on the required stripping depth and boundary limits.
- **Separation from subsoil:** Topsoil shall be handled separately from murum, subgrade, unsuitable material, excavated spoil, and construction debris. Separate stockpiles shall be maintained and clearly marked to prevent accidental mixing during construction.

Stripping operations shall be conducted in a phased manner, corresponding to construction progress, so that only required areas are exposed at a time.

3.2 Good Practice Measures

- **Avoid stripping during monsoon or heavy rainfall:** Topsoil stripping shall be planned outside heavy rainfall periods to reduce the risk of erosion, sediment runoff, and loss of fertile soil. If emergency stripping is unavoidable, temporary drainage and sediment control measures shall be installed before work starts.

- **Minimize duration of exposed surfaces:** Stripped areas shall not be left exposed for prolonged periods. Construction activities, temporary stabilization, or restoration measures shall follow as soon as practicable to reduce erosion and dust generation.
- **Prevent mixing with unsuitable materials:** Topsoil shall not be mixed with murum, subgrade soil, construction debris, bituminous waste, concrete waste, or contaminated material. Any contaminated topsoil shall be segregated, assessed, and managed separately as directed by the Environmental Officer.

4. Storage of Topsoil

4.1 Storage Design and Location

Topsoil shall be stored in designated locations identified in advance. Storage areas shall comply with the following:

- **Location away from drainage and flood-prone areas:** Stockpiles shall be located away from natural drainage channels, water bodies, low-lying areas, flood-prone zones, and agricultural fields to avoid erosion, sediment transport, and off-site impacts during rainfall.
- **Accessibility for reuse:** Storage locations shall be selected so that the conserved topsoil can be easily retrieved and transported to restoration areas without unnecessary handling, double movement, or disturbance to local traffic and communities.
- **Protection from compaction:** Stockpile areas shall be demarcated and protected from vehicle movement, parking, material stacking, and equipment operation. Compaction shall be avoided to preserve soil structure, aeration, and biological activity.

Stockpiles shall be constructed with:

- **Maximum stockpile height:** Topsoil stockpiles shall preferably not exceed 2 meters in height to reduce compaction, overheating, loss of biological quality, and instability of the stockpile.
- **Stable side slopes:** Stockpiles shall be formed with stable side slopes not steeper than 1:2 or as appropriate to site conditions. The stockpile surface shall be shaped to avoid ponding and to promote controlled runoff.

4.2 Protection and Maintenance

To maintain soil quality during storage:

- **Covering and stabilization:** Stockpiles shall be covered with mulch, grass vegetation, geo-textile, or other suitable protective material where required to minimize wind erosion, surface crusting, and loss of soil moisture.
- **Peripheral bunds and drains:** Temporary bunds, diversion drains, or toe drains shall be provided around stockpiles to divert clean runoff, prevent erosion of stored soil, and control sediment movement during rainfall.
- **Signage and demarcation:** Each storage area shall be clearly demarcated and provided with signage indicating "Topsoil Storage Area". This will prevent accidental use, mixing, or removal of stored topsoil for non-restoration purposes.

For long-term storage (>3 months), biological stabilization (grass seeding) shall be mandatory.

5. Transportation of Topsoil

Topsoil transportation shall be carried out with care to preserve its structure and fertility.

5.1 Transport Measures

- **Covered transportation:** Trucks carrying topsoil shall be covered with tarpaulin or other suitable covering to prevent dust emissions, wind loss, and spillage during transportation.
- **Controlled loading and unloading:** Loading shall be carried out carefully to prevent segregation, excessive compaction, or contamination. Topsoil shall not be mixed with other construction materials during loading, transport, or unloading.
- **Pre-defined transport routes:** Haul routes shall be identified in advance and approved by the Engineer/Environmental Officer. Routes shall be selected to minimize disturbance to settlements, schools, markets, agricultural areas, and sensitive receptors.

5.2 Impact Minimization

- **Avoidance of sensitive routes and peak hours:** Transportation shall avoid village roads, congested locations, school zones, and peak traffic hours where feasible. This will reduce safety risks, nuisance, and disruption to local communities.
- **Immediate cleanup of spillage:** Any topsoil spilled during loading, hauling, or unloading shall be collected immediately and returned to the designated stockpile or reuse location. Spillage on paved or village roads shall not be left unattended.
- **Dust suppression:** Water sprinkling shall be undertaken along haul routes, stockpile areas, and loading/unloading points as required, particularly during dry and windy conditions.

6. Reuse of Topsoil

6.1 Priority Areas for Reuse

Topsoil shall be reused for ecological restoration in the following areas:

- **Embankment slopes and cut slopes:** Topsoil shall be applied on finished slopes to provide a growth medium for grassing and bio-engineering measures, thereby improving slope stability and reducing erosion.
- **Roadside plantation zones:** Conserved topsoil shall be reused in plantation pits, median/roadside green areas, and other landscaping zones to improve seedling survival and support vegetation growth.
- **Borrow area reclamation:** Topsoil shall be reapplied after completion of borrow excavation to restore the land surface and support revegetation, agricultural reuse, or other approved post-use conditions.
- **Construction camps and temporary facilities:** During closure of camps, yards, batching plants, and temporary access areas, topsoil shall be spread over cleaned and graded surfaces to facilitate restoration of the site.

6.2 Application Procedure

- **Surface preparation:** Areas receiving topsoil shall be cleared of construction debris, unsuitable material, and waste. The surface shall be graded to the required profile and lightly scarified where necessary to improve bonding with the topsoil layer.
- **Uniform spreading thickness:** Topsoil shall generally be spread in a uniform layer of 100–150 mm thickness, or as specified by the Engineer based on restoration requirements and availability of conserved soil.
- **Immediate vegetation establishment:** Grass seeding, turfing, or plantation shall be undertaken soon after spreading to stabilize the soil surface, reduce erosion, and improve restoration success.
- **Irrigation and aftercare:** Irrigation, mulching, gap filling, and protection from grazing or disturbance shall be provided where required until vegetation is established and the restored area is stable.

7. Environmental Protection Measures

7.1 Erosion Control

- **Temporary slope protection:** Exposed slopes and stockpile faces shall be protected using mulching, grassing, jute matting, temporary covers, or other suitable measures depending on site conditions and rainfall risk.
- **Limit exposed soil surface:** Stripping and excavation shall be limited to the minimum area required for immediate construction activity. Progressive restoration shall be adopted to reduce erosion risk.
- **Silt traps and check dams:** Temporary silt traps, sediment barriers, or check dams shall be installed at vulnerable locations, particularly near drains, watercourses, agricultural fields, and low-lying areas.

7.2 Dust Control

- **Water sprinkling:** Regular water sprinkling shall be carried out at stockpile areas, haul roads, and loading/unloading points to control dust emissions, especially during dry weather and high wind conditions.
- **Avoid dry handling during windy conditions:** Handling of dry topsoil shall be minimized during strong winds. Where handling cannot be avoided, covering, sprinkling, and reduced drop heights shall be used to control dust.

7.3 Prevention of Contamination

- **Storage away from contamination sources:** Topsoil shall not be stored near fuel and oil storage areas, workshops, waste disposal sites, concrete batching areas, bitumen handling zones, or any location where accidental contamination may occur.
- **Segregation from hazardous and construction waste:** Topsoil shall be strictly segregated from hazardous materials, concrete waste, bituminous waste, demolition debris, and unsuitable excavated material. If contamination is suspected, the affected material shall be isolated and managed in accordance with the project environmental procedures.

7.4 Runoff Management

- **Diversion drains:** Diversion drains shall be constructed around stockpiles and stripped areas to prevent clean runoff from flowing over exposed soil and carrying sediment into nearby receptors.
- **Protection of streams and agricultural fields:** Runoff from topsoil storage and handling areas shall not be allowed to enter streams, ponds, irrigation channels, or agricultural fields without sediment control measures.
- **Vegetative stabilization:** Stockpile slopes and restored areas shall be stabilized through grassing or other vegetation measures where storage duration or site sensitivity requires additional protection.

8. Integration with Other Management Plans

Topsoil management shall be aligned with:

8.1 Borrow Area Management Plan

- Topsoil removed from borrow areas shall be preserved
 - Reapplied after excavation for land restoration
-

8.2 Labour Camp Management Plan

- Topsoil removed during camp construction shall be reused during camp closure
- Ensures restoration of camp site to original land use

9. Institutional Responsibilities

9.1 Roles and Functions

Stakeholder	Detailed Responsibilities
Contractor	Identify stripping areas, implement storage and reuse, maintain records
Environmental Officer	Monitor compliance, provide guidance, conduct inspections
PIU / KRRDA	Approve plans, ensure overall environmental compliance
Engineer	Supervise field execution and verify implementation
Local Authorities	Ensure adherence to environmental laws and approvals

10. Monitoring and Reporting

10.1 Monitoring Parameters

Monitoring shall include:

- **Quantity of topsoil stripped and stored:** The contractor shall record the estimated volume of topsoil stripped from each location, the quantity stored, and the quantity reused. Records shall be updated regularly and verified during inspections.
- **Location and condition of stockpiles:** Monitoring shall verify whether stockpiles are located in approved areas, properly demarcated, protected from runoff, and free from contamination or unauthorized disturbance.

- **Evidence of erosion or contamination:** Inspections shall check for erosion gullies, sediment movement, dust generation, oil stains, waste mixing, or any sign that topsoil quality has been compromised.
- **Status of reuse and restoration:** Monitoring shall confirm that stored topsoil is reused in approved restoration areas and that vegetation establishment, slope stabilization, and site rehabilitation are progressing satisfactorily.

10.2 Monitoring Frequency

- **Weekly inspections by contractor:** The contractor's Environmental Officer shall conduct weekly inspections of stripping, storage, transport, and reuse areas and record observations, non-compliances, and corrective actions.
- **Monthly monitoring reports to PIU:** Monthly reports shall summarize topsoil quantities, site photographs, inspection findings, corrective actions, and progress of restoration activities for review by PIU/KRRDA.
- **Quarterly audits by environmental specialists:** Environmental specialists shall undertake periodic audits to verify compliance with the TSMP, assess effectiveness of mitigation measures, and recommend improvements where required.

10.3 Documentation Requirements

The contractor shall maintain:

- **Topsoil inventory registers:** Registers shall include chainage/location, area stripped, stripping depth, estimated volume, date of stripping, storage location, reuse location, and balance quantity available.
- **Maps showing storage and reuse locations:** Site maps or sketches shall be maintained to show approved topsoil stockpile locations and final reuse areas, including borrow areas, slopes, plantation zones, camps, and yards.
- **Records of quantities reused:** The contractor shall maintain records showing where and when topsoil was reused, the approximate quantity applied, and the restoration purpose for which it was used.
- **Photographic evidence:** Photographs shall be taken before stripping, during stockpiling, during reuse, and after restoration to demonstrate compliance and support environmental monitoring reports.

Appendix 10

Worker Code of Conduct

Worker Code of Conduct for Construction of Rural Roads in Karnataka

1. Purpose

This Worker Code of Conduct establishes the minimum standards of behaviour, safety, labour welfare, environmental responsibility and community interaction expected from all workers engaged in the construction, rehabilitation, improvement and maintenance of rural roads in Karnataka. It is intended to promote a safe, respectful, lawful and environmentally responsible workplace and to ensure compliance with applicable Indian labour laws, labour codes, Karnataka rules, contract conditions and project safeguards requirements.

2. Legal and Regulatory Basis

This Code of Conduct shall be implemented in accordance with applicable labour and welfare requirements, including the Code on Wages, 2019; the Occupational Safety, Health and Working Conditions Code, 2020; the Code on Social Security, 2020; the Industrial Relations Code, 2020; the Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996 and applicable Karnataka Rules; the Building and Other Construction Workers' Welfare Cess Act, 1996; provisions relating to contract labour and inter-State migrant workers; and applicable Karnataka notifications, rules and welfare board requirements. Where project-specific safeguards, contract conditions or lender requirements prescribe higher standards, the higher standard shall apply.

3. Applicability

This Code applies to all persons engaged at the project site, including direct workers, contract workers, sub-contractor workers, migrant workers, skilled and unskilled labourers, drivers, equipment operators, security personnel, supervisors, camp staff and any other personnel working on behalf of the Contractor or its sub-contractors. The Contractor shall ensure that every worker receives an orientation on this Code before deployment and signs an acknowledgement confirming that the requirements have been understood.

4. Fundamental Worker Rights and Labour Standards

- No worker shall be engaged below the legally permissible age. Child labour and forced labour are strictly prohibited.
- All workers shall be provided clear information on employment terms, wages, working hours, rest days, overtime, deductions, benefits and grievance procedures.
- Wages shall be paid at rates not less than the applicable minimum wages and within the legally prescribed payment period.
- Overtime shall be voluntary, recorded and paid at the applicable legal rate.
- Workers shall not be discriminated against on the basis of caste, religion, gender, disability, place of origin, language, marital status, migration status or any other protected characteristic.
- Workers shall have access to safe drinking water, sanitation facilities, rest areas, first aid, welfare facilities and, where applicable, worker accommodation that meets legal and contract requirements.

- Eligible construction workers shall be supported for registration with the Karnataka Building and Other Construction Workers Welfare Board and access to applicable welfare benefits.

5. General Standards of Conduct

- Workers shall perform assigned duties honestly, responsibly and in accordance with lawful instructions issued by supervisors.
- Workers shall report to work fit for duty and shall not work under the influence of alcohol, narcotics or intoxicating substances.
- Workers shall treat co-workers, supervisors, community members, road users, women, children and vulnerable persons with dignity and respect.
- Workers shall maintain discipline at the worksite, labour camp, material storage areas, machinery yards and community interface locations.
- Workers shall not engage in fighting, intimidation, abusive language, theft, gambling, vandalism, extortion, coercion or any other unlawful activity.
- Workers shall protect project property, public assets, utilities, community infrastructure and private property from avoidable damage.
- Workers shall comply with security, entry, attendance, identification and site movement requirements established for the project.

6. Occupational Health and Safety Requirements

- Workers shall follow all site-specific health and safety instructions, toolbox talks, traffic management measures, method statements and permit-to-work requirements.
- Workers shall use appropriate personal protective equipment, including safety helmets, reflective jackets, safety shoes, gloves, eye protection, hearing protection, masks, fall-protection equipment and any task-specific safety equipment provided by the Contractor.
- Workers shall not remove, bypass, damage or misuse safety guards, barricades, warning signs, traffic cones, lights or other safety devices.
- Workers shall immediately report unsafe conditions, near misses, accidents, injuries, occupational illness, fire hazards, equipment defects, slope instability, electrical hazards, traffic risks and any incident involving the public.
- Workers shall operate machinery, vehicles, tools, electrical equipment, lifting appliances and construction equipment only if trained, authorised and medically fit for such work.
- Workers shall follow safe procedures for excavation, working near live traffic, hot work, lifting operations, confined spaces, work at height, bituminous works, concrete works, handling of chemicals and operation of plant and machinery.
- Workers shall keep work areas clean and free from trip hazards, loose materials, protruding nails, exposed reinforcement, uncontrolled waste and unsafe storage.
- Workers shall cooperate with emergency drills, first-aid arrangements, accident investigations and corrective actions.

7. Conduct Towards Local Communities and Road Users

- Workers shall respect local customs, cultural practices, religious places, schools, health facilities, community spaces and private property.

- Workers shall not trespass on private land, enter houses, damage crops, use community resources without permission or obstruct access to residences, farms, shops, schools or public facilities.
- Workers shall maintain courteous behaviour with local residents, pedestrians, road users and vulnerable road users, including children, elderly persons and persons with disabilities.
- Workers shall follow traffic safety instructions and shall not drive vehicles or operate equipment rashly, negligently or without authorisation.
- Workers shall avoid unnecessary noise, dust, waste disposal, water contamination, open defecation and any activity that may create nuisance or risk to local communities.
- Workers shall not purchase, consume, transport or trade illegal substances or wildlife products and shall not engage in hunting, trapping, poaching or disturbance of wildlife.

8. Prevention of Harassment, Abuse and Exploitation

- Harassment, bullying, intimidation, discrimination, verbal abuse, physical abuse and humiliating treatment are strictly prohibited.
- Workers shall not engage in any form of sexual harassment, inappropriate physical contact, stalking, coercion, exploitation, offensive gestures, obscene remarks or conduct that compromises the dignity and safety of others.
- Workers shall not engage in any exploitative interaction with children or vulnerable persons. Any concern involving the safety of children or vulnerable persons shall be reported immediately to the designated project authority.
- Workers shall respect the privacy, dignity and personal boundaries of all persons at the workplace, labour camp and community interface areas.
- Retaliation against any person who reports harassment, unsafe conduct, labour violation or grievance in good faith is prohibited.

9. Labour Camp and Worker Accommodation Conduct

- Workers staying in project accommodation shall maintain cleanliness, hygiene, fire safety, waste segregation and orderly use of shared facilities.
- Workers shall use designated toilets, bathing areas, cooking areas, waste bins, drinking water points and rest areas responsibly.
- Workers shall not overload electrical connections, tamper with wiring, store flammable materials unsafely or cook in unauthorised areas.
- Workers shall respect camp quiet hours, visitor restrictions, access controls and instructions issued by camp management.
- Workers shall immediately report communicable disease symptoms, unsafe accommodation conditions, water quality concerns, food safety issues, fire hazards and security concerns.

10. Environmental Protection Requirements

- Workers shall avoid pollution of water bodies, drains, agricultural land, forest areas, community ponds and roadside vegetation.

- Workers shall dispose of waste only at designated locations and shall not burn waste unless specifically authorised under approved procedures.
- Workers shall prevent spillage of fuel, oil, bitumen, chemicals, cement slurry and hazardous materials and shall report spills immediately.
- Workers shall not cut trees, collect firewood, disturb vegetation, damage wildlife habitat or enter restricted ecological areas without authorisation.
- Workers shall follow approved procedures for borrow areas, quarry materials, muck disposal, dust suppression, noise control and protection of sensitive receptors.

11. Reporting, Grievance Redress and Whistleblower Protection

Workers shall report grievances, safety concerns, wage issues, harassment, discrimination, camp-related concerns, accidents, near misses, environmental incidents and community complaints through the project grievance redress mechanism, supervisor, safety officer, labour officer or designated contractor representative. Complaints may be submitted verbally or in writing. Confidentiality shall be maintained to the extent possible, and no worker shall be penalised, threatened or dismissed for raising a concern in good faith.

12. Disciplinary Action

Violation of this Code may result in corrective counselling, written warning, retraining, removal from specific tasks, suspension from site, termination of employment or contract engagement, reporting to competent authorities, recovery for damages where legally permissible, or other action consistent with applicable law, contract provisions and principles of natural justice. Serious violations, including violence, harassment, theft, substance abuse at work, unsafe operation of equipment, child labour, forced labour, retaliation, sexual harassment, major safety breaches or unlawful acts, shall be treated as misconduct and addressed immediately.

13. Contractor Responsibilities for Implementation

- Translate and explain this Code in Kannada, Hindi or other languages understood by workers, as required.
- Display the Code at worksites, labour camps, site offices, batching areas, plant yards and other prominent locations.
- Conduct induction training and periodic refresher training on labour rights, safety, conduct, community interaction, environmental protection and grievance reporting.
- Maintain signed acknowledgements, attendance records of training, wage records, worker registers, identity documents, age verification records, accident records and grievance records.
- Ensure that sub-contractors, labour suppliers and camp managers comply with this Code and applicable labour laws.
- Provide workers with legally required welfare facilities, personal protective equipment, safe tools, first aid, drinking water, sanitation, rest areas and emergency arrangements.
- Monitor compliance through regular site inspections, toolbox meetings, labour camp inspections, worker consultations and corrective action tracking.

14. Worker Acknowledgement

I confirm that the Worker Code of Conduct has been explained to me in a language I understand. I agree to comply with the requirements stated in this Code and understand that violation of the Code may result in disciplinary action in accordance with applicable law and project requirements.

Worker Name	
Designation / Trade	
Employer / Contractor	
Worksite / Package	
Signature / Thumb Impression	
Date	
Witness / Supervisor	

Appendix 11

Sample Traffic Management Plan

Sample Traffic Management Plan (TMP)

1. Introduction

1.1 Background

The Rural Road Improvement Project under the KRRIP (Pragathi Patha Scheme) involves the improvement and strengthening of existing rural roads across Hassan district. The project roads primarily serve local communities, agricultural movements, public transport, and access to essential services. Since the works will be undertaken on existing rural roads that remain in use during construction, traffic management is a critical requirement for safe and uninterrupted movement of road users.

The roads traverse predominantly through:

- Agricultural areas
- Scattered rural habitations

These project characteristics, together with mixed traffic composition, limited carriageway width, and the presence of pedestrians, livestock, agricultural vehicles, and local access points, require a structured Traffic Management Plan. The TMP provides the procedures, responsibilities, control measures, and communication arrangements necessary to ensure road safety, maintain community connectivity, and minimize construction-related inconvenience.

1.2 Need for the Traffic Management Plan

Construction activities such as:

- Earthwork
- Culvert and drainage works

Construction activities such as earthwork, pavement works, culvert construction, drainage improvement, material transportation, and movement of construction equipment can temporarily reduce usable road width, affect visibility, obstruct access, and create safety risks for road users and workers. A detailed TMP is therefore required to define site-specific arrangements before the commencement of works and to ensure that traffic control measures are implemented consistently throughout the construction period.

- **Ensure safe and efficient traffic movement:** Traffic shall be guided through work zones using advance warning signs, barricades, cones, flagmen, and clearly defined travel paths so that motorists, pedestrians, cyclists, agricultural vehicles, and public transport can move safely with minimum conflict.
- **Maintain community connectivity:** Access to villages, houses, shops, schools, farms, bus stops, religious places, and other community facilities shall be maintained at all times through temporary access arrangements, staged construction, or properly marked diversions.
- **Protect workers and the public:** Work areas shall be physically separated from live traffic through barricading, buffer zones, reflective devices, and trained traffic control personnel. Workers shall use appropriate personal protective equipment and shall not be exposed to uncontrolled traffic movement.

- **Reduce inconvenience and delays:** Construction shall be planned in manageable stretches, with prior public information and traffic regulation measures, to reduce waiting time, congestion, confusion, and disruption to daily movement of local communities.
-

1.3 Objective of TMP

The core objective of this TMP is to provide a practical and enforceable framework for managing traffic during construction so that safety of all road users and construction personnel is ensured while disruption to local mobility, access, and public services is minimized.

Specifically, this TMP aims to:

- **Ensure safety of pedestrians, motorists, cyclists, and other vulnerable road users:** Safe passage shall be provided through segregated walking areas, marked crossings, controlled traffic movement, and adequate warning systems, particularly near settlements and sensitive receptors.
 - **Protect construction personnel from traffic hazards:** Work zones shall be planned to avoid direct interaction between workers and moving traffic. Flagmen, barricades, reflective signs, and buffer areas shall be used to maintain a safe working environment.
 - **Maintain traffic flow to the extent possible:** Traffic movement shall be sustained through staged construction, partial road closure, one-way control, temporary diversions, and STOP–GO arrangements depending on site conditions.
 - **Prevent accidents, congestion, and unsafe driving behavior:** Speed control measures, advance warning, route guidance, night-time visibility devices, and regular inspection of traffic control arrangements shall be implemented to reduce the likelihood of incidents.
 - **Maintain access to properties, farms, and services:** Temporary ramps, access tracks, pedestrian paths, and prior information to affected households or establishments shall be provided wherever construction affects existing access.
-

2. Project-Specific Traffic Characteristics

2.1 Traffic Composition

Traffic on project roads typically includes:

- **Two-wheelers:** Two-wheelers are expected to remain the dominant mode of movement on rural roads and are highly vulnerable to loose material, sudden diversions, uneven surfaces, and poor visibility. Traffic control measures shall therefore provide clear riding paths and adequate warning at approach sections.
- **Cars and jeeps:** Local passenger vehicles shall be guided through work zones using speed control, lane discipline, and directional signage to prevent abrupt manoeuvres and conflict with construction equipment.
- **Tractors and agricultural vehicles:** Agricultural vehicles may move slowly and require wider turning space near field access points. Temporary access shall

therefore be maintained and diversions shall be designed to accommodate such movements.

- **Buses and goods vehicles:** Public transport and goods vehicles require adequate turning radius, stable riding surface, and proper traffic control at narrowed sections. Advance information shall be provided where delays or diversions are expected.
- **Non-motorized vehicles:** Bullock carts and other slow-moving vehicles shall be considered while designing diversions, temporary tracks, and passing arrangements, particularly in agricultural stretches.
- **Pedestrians and livestock:** Pedestrian and livestock movement is common in rural settlements. Safe walking paths, controlled crossings, and additional cautionary signs shall be provided in habitation areas.

This mixed traffic environment requires flexible and location-specific traffic control measures, with special emphasis on vulnerable users, slow-moving vehicles, and access-dependent rural communities.

2.2 Traffic Volume and Speed

- **Traffic volume:** Traffic volume is generally expected to be low to moderate; however, localized congestion may occur near settlements, schools, markets, bus stops, junctions, and during peak agricultural or commuting periods. The contractor shall assess site-specific traffic conditions before commencing work in each stretch.
 - **Speed variation:** Vehicle speeds are typically low within villages and moderate in open rural stretches. Advance warning and speed reduction measures shall be installed before work zones to ensure drivers reduce speed gradually and safely.
 - **Peak movement periods:** Additional traffic control personnel shall be deployed during school opening/closing hours, market days, agricultural produce movement, festivals, and other periods of increased local traffic.
-

2.3 Road Constraints

- **Narrow carriageways in built-up sections:** Narrow carriageways reduce the space available for simultaneous traffic movement and construction activity. In such stretches, staged construction, one-way traffic control, and temporary pedestrian paths shall be adopted.
- **Lack of shoulder space in some locations:** Where shoulders are unavailable or weak, material stacking, equipment parking, and pedestrian movement shall be carefully controlled to avoid encroachment into the traffic path.
- **Limited alternate routes in rural areas:** Since alternate routes may be absent or unsuitable, full closures shall be avoided unless unavoidable. When closure is necessary, prior approval, community notification, and safe temporary diversion shall be ensured.
- **Presence of intersections and access points:** Junctions, farm accesses, house accesses, and public facility entrances require clear visibility, temporary access arrangements, and traffic marshals where needed to prevent conflicts.

2.4 Sensitive Locations

Special attention is required at:

- **Schools:** Works near schools shall be planned outside peak student movement hours to the extent possible, with reduced speed, warning signs, pedestrian crossings, and flagmen.
 - **Market areas:** Market areas attract pedestrian activity, parked vehicles, and loading/unloading movements. Additional barricading, parking control, and community notification shall be provided.
 - **Religious places:** Temporary access shall be maintained, and works shall be scheduled to avoid major prayer times, festivals, or local gatherings where feasible.
 - **Bus stops:** Safe boarding and alighting areas shall be maintained or temporarily relocated in consultation with local stakeholders, with proper signage and pedestrian safety measures.
 - **Village entry points:** Village entry points shall be provided with speed reduction signs, caution boards, and traffic guidance to alert road users about construction activity ahead.
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3. Traffic Management During Construction

3.1 General Approach

Construction shall be executed:

- **Execution in small stretches:** Construction shall normally be undertaken in manageable stretches of about 200–500 m at a time, or as appropriate based on site conditions, so that the length of traffic-affected area remains limited and controllable.
- **Partial closure as the preferred approach:** Wherever technically feasible, one portion of the carriageway shall remain available for regulated movement while work is undertaken on the other portion. This approach shall be supported by flagmen, signs, cones, and barricades.

This ensures:

- **Reduced traffic disruption:** Limiting the work area reduces queue length, travel delay, and public inconvenience, especially on roads with limited detour options.
 - **Better traffic control:** Smaller work zones allow effective deployment of traffic control personnel, better visibility of signs, and quicker corrective action in case of unsafe conditions.
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3.2 Lane Management

3.2.1 Partial Road Closure

- **Manual traffic regulation:** During partial closure, traffic shall be regulated by trained flagmen positioned at both ends of the work zone. Movement shall be allowed alternately in each direction based on visibility, traffic volume, and available road

width. Clear communication shall be maintained between flagmen through hand signals, whistles, mobile phones, or other reliable means.

3.2.2 STOP–GO System

- **Flagmen control:** Flagmen shall control the entry and exit of vehicles into the single-lane section and shall ensure that opposing traffic is not released simultaneously. They shall be positioned at safe and visible locations before the narrowed section.
 - **Reflective STOP/GO signs:** Reflective STOP/GO signs, LED batons, and warning flags shall be used to guide road users during both daytime and low-light conditions. Signs shall be kept clean, upright, and visible at all times.
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3.3 Full Road Closure

Full closure shall be used only when unavoidable, such as:

- **Culvert reconstruction:** Full closure may be required where culvert reconstruction occupies the full carriageway width and no safe partial passage is possible. In such cases, a temporary diversion or alternative access shall be operational before closure.
- **Major widening or deep excavation:** Where widening, embankment works, or excavation creates unsafe edge conditions or insufficient road width, traffic shall be diverted or closure shall be implemented only after approval and public notification.

Procedure

- **Prior approval:** The contractor shall obtain prior written approval from the PIU and relevant local administration before implementing any full road closure. The proposal shall include location, duration, diversion arrangement, safety measures, and communication plan.
 - **Public consultation:** Affected communities, panchayats, transport operators, schools, and emergency service providers shall be informed in advance about the closure and alternate arrangements.
 - **Provision of alternate routes:** Diversion routes shall be inspected, made safe, signposted, and maintained for the full duration of closure. Where alternate routes are not available, temporary access shall be constructed before closure.
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3.4 Traffic Diversions

Temporary diversions shall:

- **Location of diversion:** Temporary diversions shall preferably be constructed adjacent to the project road wherever land and site conditions permit, so that travel distance and community inconvenience are minimized.
- **Safety and stability:** Diversions shall have a stable riding surface, adequate width for expected traffic, safe side slopes, proper drainage, and protection at edges or excavated sections.

- **Directional signage:** Direction boards, advance information signs, reflective markers, and night visibility arrangements shall be installed at all approach points and decision points along the diversion.
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3.5 Work Zone Layout

Each work zone shall include:

- **Advance warning zone:** This zone shall alert road users before they reach the work area through warning signs, speed reduction signs, and caution boards placed at suitable distances based on approach speed and site visibility.
- **Transition zone:** This zone shall guide traffic from its normal path to the temporary travel path using cones, barricades, taper arrangements, reflective markers, and flagmen where required.
- **Work area:** The work area shall be clearly separated from live traffic and shall include only authorized workers, equipment, and materials necessary for the activity.
- **Buffer zone:** A clear buffer shall be maintained between moving traffic and the active work area to provide recovery space and reduce risk in case of vehicle deviation.

Adequate space shall be maintained between:

- **Traffic and workers:** Workers shall not be positioned within the live traffic path. Safe separation shall be maintained through barricading, cones, flagging, and buffer space.
 - **Traffic and equipment:** Construction machinery, parked vehicles, stockpiles, and excavated material shall be kept outside the traffic path and shall be marked with reflective devices where located near movement corridors.
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4. Traffic Control Devices

4.1 Types of Devices

The following devices shall be installed:

- **Warning signs:** Warning signs shall inform road users of construction activity, narrowed carriageway, men at work, loose surface, diversion, speed reduction, and other hazards before they enter the work zone.
- **Regulatory signs:** Regulatory signs shall be used to control speed, direction, overtaking, stopping, and entry restrictions where required for safe movement through the construction zone.
- **Barricades:** Barricades shall separate work areas, excavations, material storage, and unsafe sections from road users and shall be reflective for night-time visibility.
- **Traffic cones:** Cones shall be used to guide vehicles through temporary alignments, define tapers, and indicate restricted areas. They shall be placed at regular intervals and maintained upright.
- **Reflective tapes:** Reflective tapes shall be fixed on barricades, signs, equipment, and temporary structures to improve visibility during low-light and night-time conditions.

- **Flashing lights:** Flashing lights shall be provided at critical locations such as diversions, excavations, sharp curves, culverts, and night work areas to alert approaching road users.
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4.2 Installation Guidelines

- **Installation before construction:** All required traffic control devices shall be installed before physical work starts at any location. No work shall commence until the site has been checked and confirmed safe for traffic movement.
 - **Day and night visibility:** Signs and barricades shall be positioned to remain clearly visible during daytime, night-time, rain, dust, or low-light conditions. Reflective materials shall be used wherever visibility is a concern.
 - **Spacing and placement:** Minimum spacing between signs, cones, barricades, and other devices shall be maintained based on approach speed, available sight distance, road geometry, and the nature of the hazard.
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4.3 Maintenance of Devices

- **Daily inspection:** The contractor shall inspect all signs, cones, barricades, lights, and diversion markers at the start and end of each working day and after rainfall, high winds, or any incident.
 - **Immediate replacement:** Damaged, displaced, dirty, missing, or poorly visible devices shall be repaired, cleaned, repositioned, or replaced immediately to maintain traffic safety.
-

5. Pedestrian and Community Safety

5.1 Pedestrian Management

- **Safe walking paths:** Temporary pedestrian paths shall be provided where regular walking routes are affected by construction. These paths shall be clearly separated from machinery, excavations, material storage, and moving traffic.
 - **Marked crossing points:** Pedestrian crossing points shall be identified and marked near schools, bus stops, markets, habitations, and other high-use locations. Flagmen shall assist pedestrians where traffic conflicts are likely.
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5.2 Protection of Sensitive Locations

- **Schools and temples:** Work speed shall be reduced, noisy or hazardous activities shall be scheduled carefully, and safe access shall be maintained. Additional signage, barricades, and flagmen shall be provided during periods of high pedestrian movement.
- **Markets, bus stops, and village centres:** Traffic control shall account for pedestrian concentration, parking, stopping, and informal roadside activity.

Temporary waiting areas, access routes, and warning signs shall be provided where required.

5.3 Access Management

- **Access to houses:** Household access shall be maintained through temporary ramps, footpaths, or short access tracks. Residents shall be informed in advance if temporary restrictions are unavoidable.
- **Access to shops and commercial activities:** Construction shall be managed to avoid prolonged blockage of shop fronts and local businesses. Safe customer access and loading/unloading space shall be provided where feasible.
- **Access to farms:** Farm access shall be maintained for tractors, agricultural machinery, livestock, and produce movement, particularly during sowing, harvesting, and market transport periods.
- **Access to public services:** Access to schools, health facilities, anganwadi centres, bus stops, water points, and religious places shall be maintained throughout construction.

Temporary access arrangements shall be stable, safe for pedestrians and vehicles, clearly marked, and maintained until permanent access is restored.

6. Public Awareness and Communication

6.1 Notification Strategy

Public shall be informed through:

- **Village meetings:** The contractor, in coordination with the PIU and local representatives, shall conduct meetings before starting works in each stretch to explain construction schedule, traffic restrictions, diversions, safety precautions, and grievance contacts.
 - **Notice boards:** Information boards shall be placed at prominent locations such as panchayat offices, bus stops, schools, markets, and approach roads to provide details of the work and traffic arrangements.
 - **Public announcements:** Announcements through local channels, community representatives, or other suitable means shall be made before road closures, major diversions, or works at sensitive locations.
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6.2 Awareness Campaign

Campaigns shall educate public on:

- **Work zone safety:** Communities shall be informed about safe movement near construction zones, including the need to follow marked routes, avoid entering work areas, and keep children and livestock away from machinery and excavations.

- **Traffic signs:** Road users shall be sensitized on the meaning of temporary signs, STOP–GO controls, diversion boards, and speed restrictions so that traffic control measures are understood and followed.
 - **Safe driving practices:** Drivers shall be encouraged to reduce speed, avoid overtaking in work zones, follow flagmen instructions, use headlights where needed, and remain alert for pedestrians, livestock, and uneven road surfaces.
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6.3 Information Dissemination

Information shall include:

- **Nature of construction work:** Information shall clearly describe the type of work being undertaken, such as earthwork, culvert work, pavement improvement, drainage work, or widening.
- **Duration:** Expected start date, completion date, working hours, and any period of restricted access shall be communicated in advance.
- **Diversion routes:** Where diversions are required, route details, direction signs, access points, and expected travel changes shall be communicated to affected users.
- **Contact details:** Contact numbers of the contractor's site representative, traffic safety officer, PIU representative, and grievance focal point shall be displayed for reporting issues or emergencies.

7. Safety of Workers

7.1 Personal Protective Equipment

Workers shall wear:

- **Reflective vests:** All workers within or near the traffic zone shall wear high-visibility reflective vests so that they are clearly visible to drivers during day and night conditions.
 - **Helmets:** Safety helmets shall be worn by workers exposed to construction equipment, material handling, overhead risks, or roadside work hazards.
 - **Safety shoes:** Safety shoes shall be used to reduce risk from sharp objects, uneven surfaces, falling materials, and movement of equipment within construction areas.
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7.2 Traffic Control Personnel

- **Training of flaggers:** Flaggers shall be trained in traffic control, hand signals, STOP–GO procedures, communication methods, emergency response, and safe positioning before deployment.
 - **Reflective jackets:** Traffic control personnel shall wear high-visibility reflective jackets at all times so that road users can identify and follow their instructions.
 - **LED batons:** LED batons or equivalent visible signalling devices shall be used during evening, night, foggy, or low-visibility conditions.
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8. Vehicle and Equipment Management

8.1 Vehicle Condition

All vehicles shall:

- **Roadworthiness:** All construction vehicles and equipment shall be fit for operation, with functional brakes, lights, indicators, mirrors, reverse alarms, and other safety features before entering the work site.
 - **Pollution standards:** Vehicles and machinery shall comply with applicable emission and pollution control requirements and shall not be operated if excessive smoke, leakage, or unsafe mechanical condition is observed.
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8.2 Maintenance

Contractor shall:

- **Regular inspections:** The contractor shall inspect vehicles and equipment at regular intervals to ensure safe operation, prevent breakdowns in traffic areas, and avoid hazards due to mechanical failure.
- **Vehicle logs:** Vehicle movement, maintenance records, inspection findings, and corrective actions shall be recorded and made available for review by the Engineer or PIU when required.

9. Emergency Management

9.1 Emergency Access

- **Unobstructed emergency access:** Access for ambulances, fire services, police, and other emergency vehicles shall be maintained at all times. Traffic control personnel shall be instructed to prioritize emergency movement through or around work zones.
 - **Alternate emergency routes:** Where normal access is affected, an alternate route or temporary access shall be identified, marked, and communicated to emergency service providers and local communities.
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9.2 Coordination

- **Coordination with emergency services:** The contractor shall inform local emergency services, police, health facilities, and panchayat representatives before implementing any road closure or major diversion. Emergency contact details shall be displayed at the site and shared with traffic control personnel.
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10. Monitoring and Supervision

10.1 Responsibilities

- **Contractor:** The contractor shall be responsible for preparing site-specific traffic arrangements, installing and maintaining traffic control devices, deploying trained

personnel, ensuring worker safety, maintaining access, and recording daily inspections.

- **PIU:** The PIU shall review implementation progress, coordinate with local authorities where required, address public concerns, and ensure that traffic management commitments are complied with.
 - **Engineer:** The Engineer shall supervise implementation, review site-specific TMPs, inspect work zone safety arrangements, and instruct corrective actions where deficiencies are observed.
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10.2 Inspection

- **Daily inspection:** The contractor shall conduct daily inspection of work zones, signs, barricades, diversions, pedestrian access, night visibility devices, and emergency access arrangements.
 - **Periodic audits:** The Engineer and PIU shall undertake periodic audits to verify compliance with approved TMP requirements and to identify recurring safety issues or improvement needs.
 - **Immediate corrective action:** Any unsafe condition, damaged sign, blocked access, poor visibility, or public complaint shall be addressed immediately and documented in the site inspection record.
-

11. Institutional Coordination

11.1 Coordination Agencies

- **Traffic Police:** Traffic Police shall be consulted for road closures, major diversions, management of junctions, and regulation of traffic in congested or sensitive areas where enforcement support is required.
 - **Local Administration:** Local administration shall be involved for approvals, public communication, emergency coordination, and management of issues affecting community access or public services.
 - **Panchayats:** Panchayats shall support community-level information dissemination, identification of sensitive locations, resolution of local access concerns, and communication with affected residents.
-

11.2 Approval

- **Approval of site-specific TMP:** The contractor shall submit a site-specific TMP for each road or work package before execution. The submission shall include work zone layout, traffic control devices, diversion plan, access arrangements, emergency access, public communication measures, responsible personnel, and inspection format. Work shall commence only after approval by the Engineer/PIU.
-

12. Implementation Schedule

TMP shall:

- **Begin before construction:** Traffic control devices, access arrangements, public notifications, and worker briefing shall be completed before construction starts at any location.
- **Continue throughout construction:** TMP measures shall remain in place and functional for the entire duration of construction, including non-working hours where hazards remain present.
- **Be updated regularly:** The TMP shall be reviewed and updated whenever site conditions change, construction staging is revised, new sensitive locations are identified, or safety deficiencies are observed.

Appendix 12

Semi Annual Environmental Monitoring Report

Environmental Monitoring Report

Loan Number: -----

Reporting period: (month/year to month/year)

(Title of Project)

Prepared by: -----

Implementing Agency: -----

Executing Agency: -----

Date: (dd/ mm/ yyyy)

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1. Introduction
2. Compliance status with National /State /Local statutory environmental requirements
3. Compliance status with the environmental covenants as stipulated in the Loan Agreement
4. Compliance status with environmental management and monitoring plans and environmental assessment and review framework/procedures as stipulated in the environmental documentation as agreed with ADB
5. Approach and methodology engaged for environmental monitoring of the project
- 6. Monitoring of environmental receptors/ attributes, including Biodiversity Action Plan**

monitoring items (e.g. ambient air, surface water, ground water, land, ecological aspects, noise, hazardous/toxic wastes, habitat protection, wildlife movement, invasive species, compensatory plantation, and biodiversity enhancement measures)
7. Any other environmental aspects, impacts observed during implementation which were not covered earlier
8. Details of Grievance Redress Committee and complaints received from public and actions taken thereof to resolve
9. Public consultation during project implementation
10. Institutional set-up for EMP implementation
11. Follow-up actions and conclusions

1. Introduction

- overall project description with location map;
- project objectives;
- environmental category;
- environmental performance indicators, if any;
- overall project progress, agreed milestones and implementation schedules;
- any other information useful for assessing environmental performance of the project

(Limited to 3/4 of a page)

2. Compliance status with National /State /Local statutory environmental requirements

- Tabular presentation of statutory environmental requirements for the project at national, state and local levels (applicable to the borrower, sub-borrowers, contractors, vendors, etc. as the case may be), and the status of compliance thereof.
- If the project is not in compliance with any of those requirements, the report would provide actions proposed for achieving compliance within an agreed time frame duly approved by the respective regulatory agencies.

(Limited to 1/2 to 1 page)

3. Compliance status with the environmental covenants as stipulated in the Loan Agreement

- Tabular presentation of environmental covenants as stipulated in the Loan Agreement and the status of compliance thereof.
- If the project is not in compliance with any of those requirements, the report would provide actions proposed for achieving compliance within a time frame to be reviewed and approved by the ADB.

(Limited to 3/4 of a page)

4. Compliance status with environmental management and monitoring plans as stipulated in the environmental documentation as agreed with ADB

- Tabular presentation of environmental management and monitoring plans and environmental assessment and review framework/procedures as agreed and the status of implementation thereof.

- The status chart would provide details of actions proposed to be taken by various agencies, including contractors/vendors for implementation, the current status of compliance.
- In case any corrective measures are warranted, the status chart would outline the corrective action plan with an agreed time frame duly agreed by all those agencies concerned for ADB's review and concurrence.
- In case of corrective measures are implemented based on the earlier monitoring, the status chart would elaborate clearly the improvements noticed and further steps required if any.

(Limited to 2-3 pages)

5. Approach and methodology engaged for environmental monitoring of the project

- Monitoring basis
 - rationale for selection of sampling/ monitoring locations,
 - selection of environmental receptors /attributes for monitoring,
 - linkage with environmental performance indicators agreed upon,
 - phases of project – design, construction, operation
- Standards /monitoring methods to be employed for assessment
- Monitoring Quality Control

(Limited to 1 page)

6. Monitoring of environmental receptors/ attributes (e.g. ambient air, surface water, ground water, land, ecological aspects, noise, hazardous/toxic wastes, etc.)

- Type of environmental receptor/attribute to be monitored (for each type)
 - Method of monitoring
 - Duration and frequency of monitoring
 - Equipment /instrumentation to be used for monitoring
 - Sampling locations/ sites for monitoring (linked with Appendix 1 – location map)
 - Reporting monitoring results (provide tabular presentation)
 - Detailed analyses of monitoring reports and conclusions (use histograms or any other methods)
 - Correlate the monitoring results with statutory requirements at national/state/local levels
 - Corrective actions proposed in case on non-compliance /improvements noticed due to corrective actions taken during the reporting period, and further actions required if any.
 - Recommendations /Suggestions.

(Limited to 2 pages)

7. Biodiveristy Action Plan monitoring

Status of each biodiversity action plan item with evidence.

BAP Item	Details of the BAP item	Performance indicators	Status of implementation progress	Recommendation or corrective action

8. Any other environmental aspects, impacts observed during implementation which were not covered earlier

(Limited to 1/2 page)

9. Details of Grievance Redress Committee and complaints received from public and actions taken thereof to resolve

(Limited to 1 page)

10. Public consultation during project implementation

Public consultation details such as outcomes, attendance sheet and dated photographs of the public consultation for all sub-projects during the project implementation

(Limited to 1 page)

11. Institutional set-up for EMP implementation

12. BAP implementation station

(Include monitoring report of BAP Implementation, provide status of implementation of each item of BAP with evidence of implementation including but not limited to photographs, letter, report)

13. Follow-up actions and conclusions

(Limited to 1/2 to 1 page)

Signed by:

Monitoring agency:

(name, title, date)

Authorized signatory from Implementing Agency /Executing Agency:

(name, title, date)

APPENDIX 1

Project location map showing the environmentally sensitive sites if any, and environmental monitoring stations along the project

Appendix 13

Borrow Area Management Plan

Borrow Area Management Plan (BAMP)

This Borrow Area Management Plan has been prepared to guide the identification, approval, operation, monitoring, restoration, and closure of borrow areas required for road construction works. The plan shall be implemented by the Contractor under the supervision of the PIU/KRRDA and the PISC/PIU, and shall form an integral part of the project Environmental Management Plan and contract environmental obligations.

The objective of the plan is to ensure that extraction of earth material is undertaken only from approved locations, in a controlled and environmentally responsible manner, with adequate safeguards for drainage, slope stability, occupational health and safety, landowner consent, community protection, and post-use restoration.

1. Objectives of Borrow Area Management Plan

The specific objectives of this BAMP are to:

- Ensure scientific and controlled extraction of earth materials only from approved borrow areas, with prior verification of land ownership, material suitability, access, drainage, safety, and restoration requirements.
- Minimize environmental and social impacts by avoiding sensitive locations such as irrigated agricultural land, settlements, water bodies, wetlands, forests, drainage channels, grazing land, and community resources.
- Establish clear procedures for borrow area selection, including screening of land use, ownership, ecological sensitivity, access route, haulage impacts, slope stability, drainage, and restoration feasibility.
- Ensure that borrow area operation remains within approved limits for boundary, depth, quantity, excavation method, topsoil handling, drainage control, dust suppression, and public safety.
- Plan and complete restoration of borrow areas through topsoil reuse, slope stabilization, drainage restoration, debris removal, revegetation, and landowner-agreed post-use development.
- Ensure compliance with ECoP and IRC guidance, including IRC:10-1961, and relevant rural road environmental management requirements for safe excavation, setbacks, drainage, topsoil conservation, and reclamation.
- Ensure compliance with applicable environmental, land, safety, pollution control, and statutory requirements before opening or operating any borrow area.
- Maintain EMP/IEE compliance through borrow area registers, approvals, monthly reporting, monitoring, corrective actions, closure documentation, and final verification by PIU/KRRDA and the Engineer.

2. Requirement and Sourcing of Earth Material

2.1 Scope of Borrow Material Use

Borrow material shall be required for:

- **Road embankment construction:** Borrow material shall be used for embankment construction only after the earthwork requirement has been minimized through design optimization, balancing of cut-and-fill quantities, reuse of suitable excavated

material, and use of approved local or alternative materials wherever feasible. The selected material shall be tested and approved before use, and excavation shall be undertaken only from approved sources with provisions for topsoil conservation, drainage control, public safety, and restoration.

- **Widening of carriageway:** Borrow material may be required where carriageway widening is necessary to meet the approved design width. Such widening shall avoid unnecessary land take, loss of productive topsoil, disturbance to vegetation, obstruction of natural drainage, and impacts on water bodies or community resources. The works shall be planned in accordance with the approved design and relevant ECoP requirements for alignment, drainage, erosion control, and material sourcing.
- **Shoulder formation:** Borrow material used for shoulder formation shall support road safety, drainage, and long-term stability of the road edge. The material shall be properly placed and compacted so that shoulders do not erode, generate excessive dust, obstruct side drains, or divert runoff onto adjoining land. Where shoulders are constructed near settlements, agricultural fields, or water bodies, additional care shall be taken to avoid nuisance, sediment runoff, and damage to adjacent land.
- **Subgrade strengthening:** Borrow or alternative materials may be used for strengthening weak or unsuitable subgrade only after testing and approval by the Engineer. Where feasible, locally available material, stabilized soil, quarry overburden, or suitable excavated material shall be considered to reduce dependency on new borrow areas. Any unsuitable, surplus, or rejected material shall be reused or disposed of in accordance with the waste management provisions of the ECoP.

Wherever feasible, the project shall prioritize:

- **Use of locally available material:** Locally available materials shall be prioritized where they are technically suitable and environmentally acceptable. This approach reduces haulage distance, fuel consumption, dust generation, traffic disruption, and transportation-related safety risks. However, local sourcing shall not be permitted from sensitive locations such as forests, wetlands, water bodies, active drainage channels, protected areas, unstable slopes, or land where extraction may cause livelihood loss or community conflict.
- **Reuse of excavated materials:** Suitable excavated material generated from road cutting, drain excavation, site clearance, or other project works shall be reused before fresh borrowing is considered. Such material may be used for embankment fill, subgrade improvement, shoulders, slope protection, capping layers, or access improvements, subject to screening, testing, and approval. Reuse of excavated material reduces waste generation and minimizes the need for opening additional borrow areas.
- **Minimization of borrow area dependency:** Borrow area dependency shall be minimized through design optimization, reuse of suitable excavated material, balancing of cut-and-fill quantities, and use of approved alternative materials. Borrow areas shall be used only when project-generated or locally available approved materials are insufficient. This approach reduces land disturbance, topsoil loss, restoration burden, haulage impacts, dust emissions, and community inconvenience.

2.2 Source Strategy

Material sourcing shall follow the hierarchy:

1. **Reuse of excavated material from road cutting:** Reuse of suitable excavated material from road cutting shall be the first preference in the material sourcing hierarchy. The material shall be screened, tested, and approved before use. Where suitable, it may be used for embankment construction, subgrade strengthening, shoulders, slope protection, or other approved project components. This reduces both disposal requirements and the need for fresh borrowing.
2. **Existing approved borrow pits:** Existing approved borrow pits shall be considered before opening any new borrow area, provided that the material is suitable, the source is legally permitted, and the pit can be operated safely without causing over-extraction, stagnant water, unsafe slopes, erosion, damage to adjoining land, or unresolved community grievances. Use of existing pits shall still require approval, documentation, and restoration controls.
3. **New borrow areas only if necessary:** New borrow areas shall be opened only as a last option after confirming that reuse of excavated material and existing approved sources are insufficient. New areas shall require landowner or Gram Panchayat consent, PIU/KRRDA and Engineer approval, environmental and social screening, topsoil preservation, drainage control, safe excavation practices, and an agreed restoration or redevelopment plan before excavation begins.

This sourcing hierarchy reduces environmental footprint and transportation impacts by minimizing land disturbance, haulage distance, dust emissions, traffic risks, fuel use, community disturbance, and overall dependency on new borrow areas.

2.3 Pre-Approval Requirements

No borrow area shall be opened or operated until the Contractor has submitted a site-specific borrow area proposal and obtained written approval from the Engineer/CSC and PIU/KRRDA. The proposal shall include location details, land ownership and consent, estimated quantity, access route, site photographs, environmental and social screening, drainage arrangements, excavation methodology, safety provisions, and a restoration plan agreed with the landowner.

The Contractor shall maintain a borrow area register and shall update it throughout the construction period. Any change in location, extraction quantity, haul route, depth of excavation, land use restoration option, or ownership status shall require prior approval before implementation.

3. Selection Criteria for Borrow Areas

Borrow areas shall be selected in compliance with environmental and social safeguards to prevent ecological damage.

3.1 Environmental Criteria

- Borrow areas shall be located away from water bodies, wetlands, streams, drainage channels, riverbeds, flood-prone areas, forest land, protected areas, wildlife corridors, and other ecologically sensitive locations to avoid impacts on surface water, drainage, aquatic habitats, vegetation, and biodiversity.

- Sites shall not be selected where excavation may obstruct natural drainage, increase erosion, create stagnant water, cause sediment runoff, or affect downstream land users. Adequate buffer distance shall be maintained from water bodies and drainage lines, and runoff from the borrow area shall be safely diverted to approved drainage outlets.
- Borrowing shall be avoided on productive or irrigated agricultural land unless there is no feasible alternative and written consent, statutory permission where applicable, and an agreed restoration plan are available. Topsoil shall be stripped, stored separately, protected from erosion, and reused during reclamation.
- Preference shall be given to barren, degraded, non-irrigated, low-productivity, or unused land where extraction can be carried out safely and restored to an agreed post-use condition without long-term environmental damage.

3.2 Physical Criteria

- Soil type suitable for embankment
- Stable terrain with minimal slope
- Adequate access roads for transportation
- Non-flood-prone areas (important in Malnad regions)

3.3 Social Criteria

- Borrow area selection shall avoid displacement, loss of livelihood, loss of access to agricultural land, grazing land, community resources, public utilities, or any other asset used by local communities.
- Borrow areas shall be located at a safe distance from settlements, schools, health facilities, cultural and religious properties, markets, community gathering places, and other sensitive receptors to reduce dust, noise, traffic safety risks, and community disturbance.
- The Contractor shall obtain written consent from the landowner for private land or from the Gram Panchayat/competent authority for community or Gram Sabha land before using any site as a borrow area. The consent shall clearly specify the area, duration of use, depth of excavation, compensation or payment terms if any, restoration obligations, and agreed post-use land condition.
- Consultation with affected landowners and nearby communities shall be carried out before opening the borrow area, and any complaint related to dust, access, drainage, safety, crop damage, road damage, or restoration shall be recorded and resolved through the project grievance redress mechanism.

3.4 Regulatory Requirements

- No borrow area shall be opened or operated without prior written approval from the PIU/KRRDA and the Engineer/CSC based on a site-specific borrow area proposal, environmental and social screening, land ownership documents, consent records, proposed excavation quantity, access route, drainage provisions, safety measures, and restoration plan.
- Where required, approvals or permissions shall be obtained from local authorities, revenue authorities, Gram Panchayat, mining/geology department, forest department, pollution control authority, or any other competent agency before commencement of excavation.

- The Contractor shall maintain all documentary evidence, including landowner consent or lease agreement, regulatory approval, Engineer/PIU approval, site photographs, GPS coordinates, material test results, borrow area layout plan, topsoil management plan, restoration plan, inspection records, and closure certificate.
- Any change in borrow area location, ownership, approved quantity, excavation depth, haul route, drainage arrangement, or restoration option shall require prior review and written approval before implementation.

3.5 Exclusion Criteria

- Borrow areas shall not be located within forest land, protected areas, wildlife corridors, wetlands, riverbeds, active drainage channels, or other ecologically sensitive areas.
- Borrowing shall be avoided on productive agricultural land unless written consent, statutory permission, and a mutually agreed restoration plan are available.
- Sites shall not be selected where excavation may affect slope stability, natural drainage, community access, cultural properties, schools, health facilities, settlements, or public utilities.
- Excavation below the groundwater table shall not be permitted unless specifically assessed, approved, and provided with appropriate safety and drainage measures.

4. Borrow Area Planning and Design

4.1 Layout and Design Principles

Borrow areas shall be planned based on:

- Controlled excavation depth (typically not exceeding 1.5–2.0 m)
- Proper slope design (side slopes 1:2 or flatter)
- Segregation and preservation of topsoil

Topsoil shall be carefully stripped (150–300 mm) and stored for reuse during reclamation.

4.2 Borrow Area Layout Plan

For each proposed borrow area, the Contractor shall prepare a site layout plan showing boundaries, excavation blocks, topsoil stockpile location, access and haul roads, drainage channels, safety barricades, entry/exit points, nearby receptors, existing land use, and proposed post-use restoration arrangement. The layout shall be reviewed and approved before commencement of excavation.

4.3 Drainage and Safety Provisions

- Peripheral drains shall be constructed to prevent water accumulation
- Excavation shall not obstruct natural drainage patterns
- Warning signage and barricading shall be provided

4.4 Documentation Prior to Operation

- Landowner consent or lease agreement with clear terms for use and restoration.
- Regulatory permission, if applicable, from local authorities or competent agencies.
- Environmental and social screening checklist.
- Baseline photographs and GPS coordinates.

- Approved restoration and closure plan.

5. Borrow Area Operation

5.1 Excavation Practices

- Extraction shall be done in a planned and phased manner
- No vertical cuts shall be allowed
- Excavation shall proceed uniformly to avoid pits and depressions
- Avoid excavation below groundwater table

5.2 Topsoil Management

- Topsoil shall be:
 - Stripped before excavation
 - Stored separately in designated stockpiles
- Reused for:
 - Rehabilitation
 - Plantation activities

5.3 Operational Controls

- Excavation shall be limited to the approved boundary, depth, and quantity.
- Topsoil and unsuitable material shall be stored separately and protected from erosion.
- Drainage shall be maintained at all times to avoid ponding, waterlogging, or diversion of runoff onto adjoining land.
- Access shall be restricted to authorized personnel and vehicles only.
- Any community complaint related to dust, noise, access, road safety, drainage, land damage, or restoration shall be recorded and resolved through the project grievance redress mechanism.

5.4 Haulage and Transportation

- Transportation routes shall be planned to avoid:
 - Settlements
 - Congested areas
- Measures to control impacts:
 - Water sprinkling to control dust
 - Covering of trucks
 - Speed control

6. Permits, Consents and Compliance Requirements

The Contractor shall ensure that all borrow area activities comply with applicable project requirements, statutory approvals, landowner agreements, contract conditions, the project EMP, and relevant road sector guidelines. No excavation shall commence until all required approvals are available and verified by the Engineer/CSC.

Requirement	Minimum Evidence to be Maintained
Landowner consent/lease	Signed agreement, ownership record, restoration condition, and final acceptance record.

Regulatory approval, where applicable	Approval letter, permit, local body clearance, or other competent authority permission.
Engineer/PIU approval	Approved borrow area proposal, checklist, layout plan, and closure plan.
EMP compliance	Inspection records, monitoring results, corrective action records, and monthly reports.

7. Environmental Management Measures

7.1 Air Pollution Control

- **Dust suppression through regular sprinkling:** Water shall be sprinkled on haul roads, exposed surfaces, and active excavation areas at regular intervals to control fugitive dust and reduce nuisance to nearby communities and workers.
- **Covering of transported material:** Trucks carrying borrow material shall be covered with tarpaulin or similar material to prevent dust emission, spillage, and deposition of loose soil along haul routes.
- **Maintenance of vehicles and equipment:** Construction vehicles and equipment shall be regularly maintained to reduce exhaust emissions, smoke, and dust generation during excavation, loading, and transportation.

7.2 Noise Control

- **Restrict operation during daytime:** Borrow area excavation, loading, and haulage shall preferably be carried out during daytime to minimize disturbance to local communities and avoid night-time safety risks.
- **Maintain equipment to reduce noise:** Machinery, vehicles, and generators shall be maintained in good working condition with functional silencers to reduce operational noise at source.
- **Avoid operations near sensitive receptors:** Noisy activities shall be avoided or minimized near schools, health facilities, settlements, religious places, and other sensitive receptors, especially during peak use hours.

7.3 Soil and Water Conservation

- **Avoid over-extraction:** Excavation shall be limited to the approved depth, quantity, and boundary to prevent unsafe pits, slope instability, excessive land degradation, and difficult restoration.
- **Maintain buffer zones around water bodies:** Adequate buffer distances shall be maintained from ponds, streams, rivers, wetlands, and drainage channels to prevent bank erosion, water quality impacts, and disturbance to natural drainage.
- **Prevent silt runoff into nearby streams:** Silt traps, sediment barriers, drainage controls, and proper stockpile management shall be used to prevent sediment-laden runoff from entering nearby streams, drains, or water bodies.

7.4 Biodiversity Protection

- **No extraction from forest areas:** Borrowing shall not be permitted within forest land or protected natural habitats unless specifically assessed, permitted, and approved by the competent authority.
- **No extraction from wildlife corridors:** Borrow areas shall not be located in wildlife movement routes or ecological corridors to avoid habitat disturbance, barrier effects, and increased risk to fauna.
- **Preserve existing vegetation where possible:** Existing trees, shrubs, and ground vegetation shall be retained wherever feasible to reduce erosion, protect local habitat, and support faster site recovery after closure.

8. Rehabilitation and Closure Plan

8.1 Reclamation Strategy

Borrow areas shall be restored immediately after use through:

- **Backfilling and grading:** Excavated areas shall be backfilled where required and graded to achieve stable landform, safe slopes, and smooth transition with adjoining ground.
- **Levelling of excavated surfaces:** Uneven surfaces, depressions, and unsafe pits shall be levelled to prevent water stagnation, erosion, accidents, and difficulty in future land use.
- **Re-spreading of stored topsoil:** Conserved topsoil shall be re-spread over the restored area to support vegetation growth, improve soil fertility, and enable agreed post-use development.

8.2 Post-Use Land Development Options

Depending on landowner agreement, borrow areas may be converted into:

- **Agricultural land:** Where agreed with the landowner, the borrow area shall be restored to a cultivable condition by levelling, replacing topsoil, and ensuring adequate drainage.
- **Water harvesting ponds:** In suitable barren or low-productivity areas, the borrow pit may be developed into a safe water harvesting pond with stable slopes, controlled inflow and outflow, and protection against erosion.
- **Tree plantation areas:** Borrow areas may be converted into plantation areas using suitable native species to stabilize soil, improve site recovery, and enhance local environmental value.

8.3 Plantation Measures

- **Native species plantation shall be carried out:** Locally suitable native species shall be planted to improve survival, support local ecology, and reduce maintenance needs.
- **Minimum survival rate: 70%:** Plantation shall be monitored to ensure at least 70% survival, and replacement planting shall be undertaken where survival is below the required level.

- **Maintenance period: at least 1 year:** Planted areas shall be maintained for at least one year through watering, protection, weeding, and replacement of damaged or dead plants.

9. Health and Safety Measures

- **Barricading of borrow areas:** Borrow area boundaries, excavation edges, and unsafe pits shall be barricaded to prevent accidental entry by workers, local residents, livestock, and road users.
- **Warning signage:** Clear warning signs shall be placed at access points, haul routes, and excavation zones to inform people about active excavation, vehicle movement, deep pits, and restricted areas.
- **Controlled access:** Entry to the borrow area shall be limited to authorized personnel and vehicles only to reduce accident risks and ensure safe site operations.
- **Provision of PPE to workers:** Workers shall be provided with appropriate personal protective equipment such as helmets, safety shoes, reflective jackets, gloves, masks, and eye protection based on the nature of work.
- **Emergency preparedness:** First-aid kits, emergency contact numbers, trained personnel, and access for emergency response shall be maintained at or near the borrow area to respond promptly to accidents or incidents.

10. Institutional Responsibilities

Stakeholder	Responsibilities
Contractor	Identification, operation, and rehabilitation of borrow areas
Environmental Officer	Monitoring environmental compliance
PIU / KRRDA	Approval and supervision
CSC / Engineer	Field-level monitoring
Landowner	Agreement and final land use decision
Local Authorities	Regulatory compliance

11. Monitoring Plan

11.1 Environmental Monitoring

Monitoring shall include:

- **Air quality near borrow areas:** Air quality shall be monitored through visual checks for dust emissions and, where required, ambient air quality monitoring near borrow areas, haul roads, settlements, and sensitive receptors.
- **Noise levels:** Noise levels shall be checked during excavation, loading, and transportation activities, particularly near settlements, schools, health facilities, and other sensitive receptors.
- **Soil erosion and slope stability:** Borrow area slopes, excavated faces, topsoil stockpiles, and drainage channels shall be inspected to identify erosion, slope failure, unsafe pits, or instability requiring corrective action.
- **Water quality in nearby sources:** Nearby ponds, streams, wells, drains, and other water sources shall be checked for silt runoff, turbidity, contamination, or drainage impacts caused by borrow area operation.

11.2 Inspection Frequency

- **Weekly site inspections:** Weekly inspections shall be carried out during active excavation and haulage to verify compliance with approved limits, drainage controls, dust suppression, safety measures, and topsoil protection.
- **Monthly reporting to PIU:** Monthly compliance reports shall be submitted to the PIU/KRRDA summarizing approval status, extraction quantity, monitoring observations, grievances, corrective actions, and restoration progress.
- **Final inspection after restoration:** A final inspection shall be conducted after completion of restoration to confirm that the borrow area has been safely reclaimed, drainage restored, topsoil reused, vegetation established where applicable, and landowner acceptance obtained.

12. Reporting Requirements

The contractor shall maintain:

- **Borrow area register:** The register shall record each borrow area location, GPS details, ownership, approval status, extraction quantity, operational status, restoration status, and closure verification.
- **Quantities excavated:** The Contractor shall maintain records of approved and actual quantities excavated from each borrow area to ensure extraction remains within permitted limits.
- **Consent and approvals:** Copies of landowner or Gram Panchayat consent, regulatory permissions, Engineer/PIU approval, site layout plans, and restoration agreements shall be maintained for audit and verification.
- **Rehabilitation status:** The status of reclamation, topsoil reuse, slope stabilization, drainage restoration, plantation, landowner acceptance, and closure approval shall be reported until the borrow area is fully closed.

Monthly reports shall be submitted to PIU for compliance tracking.

13. Borrow Area Register Format

Sl. No	Location/GPS	Landowner/Authority	Approved Quantity	Approval Status	Restoration Status
1	To be filled by Contractor	To be filled	To be filled	Approved/Pending	Open/Restored/Closed

13. Closure and Handover Checklist

- Excavation completed within approved limits and no further material extraction proposed.
- Side slopes graded and stabilized.
- Drainage restored and no stagnant water or unsafe depression remains.

- Stored topsoil re-spread and area prepared for agreed post-use land development.
- Plantation or vegetation measures completed, where applicable.
- Temporary access damage repaired and haul route restored.
- Final photographs and closure inspection record attached.
- Landowner acceptance and Engineer/PIU closure approval obtained.

Appendix 14

Environmental Monitoring Template with KPIs

Environmental Monitoring Template with KPIs

Instructions for Filling the Environment Monitoring Sheets (EMS) and Plan Templates

The following instructions should be applied while completing each Environmental Monitoring Sheet (EMS) and related management plan template for the Project. The templates should be filled using actual site-specific observations, measurements, records, approvals, and compliance status for the relevant reporting period. All entries should be clear, verifiable, dated where applicable, and supported by inspection notes, photographs, laboratory reports, permits, registers, and corrective action records.

1. **Identify the applicable EMS or plan:** Before filling the table, confirm the specific subject being monitored, such as construction camp, borrow area, wastewater, air quality, noise, PPE, plantation, or compliance tracking. Complete only those templates that are relevant to the current construction activity, location, and reporting period.
2. **Enter site-specific information against each parameter:** For each parameter listed in the template, record the actual condition observed at site or the data obtained from field measurements, documents, inspections, registers, or laboratory monitoring. Generic statements should be avoided.
3. **Use the KPI column to record measurable performance:** The Key Performance Indicator should be filled with the actual achievement or status, such as percentage compliance, number of units inspected, number of trees planted, concentration level measured, number of workers using PPE, or number of non-compliances identified. Wherever possible, quantitative values should be used instead of narrative remarks.
4. **State the monitoring method actually used:** In the monitoring method column, specify how the information was verified, such as site inspection, checklist review, document verification, instrument monitoring, laboratory testing, measurement, metering, record review, or audit. The method entered should match the evidence available.
5. **Record the monitoring frequency for implementation and reporting:** Indicate whether the parameter is monitored weekly, monthly, quarterly, post-use, or at any other required interval. If the template is being used for a specific reporting month or quarter, the reporting period should be clearly reflected in the associated records or heading.
6. **Assign the responsible person or agency clearly:** The responsibility column should mention the implementing or supervising entity accountable for monitoring and action, such as Contractor, Environmental Officer, Safety Officer, Assistant Engineer, PIU, or Contractor/PIU jointly. Responsibility should align with contractual and EMP requirements.
7. **Check compliance against the stated standard or quantity:** Fill the standard or quantity column with the applicable benchmark, such as 100% compliance, CPCB standards, permit conditions, EMP requirements, approved quantities, compensation ratios, or target survival rates. The performance observed should then be compared against this benchmark.
8. **Provide remarks or supporting notes where needed:** If any deviation, shortfall, damage, missing approval, equipment failure, or partial compliance is identified, a brief explanatory note should be recorded in the monitoring file or remarks section, if available. Reference to photographs, test reports, notices, or corrective action logs should also be added where relevant.

9. **Record non-compliance and corrective actions immediately:** Where monitoring shows non-compliance, the issue should be described clearly, the responsible person should be informed, and corrective action should be initiated with a target closure date. Follow-up monitoring should confirm whether the issue has been resolved.
10. **Ensure consistency with approvals, EMP, and statutory requirements:** All entries should be checked against the EMP, contractor's method statements, permit conditions, ADB SPS 2009 requirements, and applicable Indian laws and CPCB or SPCB standards. Inconsistent or unsupported entries should not be included.
11. **Maintain documentary evidence for verification:** Every completed template should be supported by documentary evidence such as field inspection sheets, laboratory reports, calibration records, waste disposal manifests, plantation registers, PPE issue records, photographs, and copies of valid permits or approvals.
12. **Review and sign before submission:** Each completed EMS or plan template should be reviewed by the designated site environmental or safety personnel and then submitted to the PIU or supervision team as part of monthly or quarterly environmental compliance reporting. Incomplete fields should be avoided, and any "not applicable" entry should be justified.

EMS 1: CONSTRUCTION CAMP/ PLANT SITE MANAGEMENT PLAN

Sl. No.	Description	Compliance
1	Name of the location	
2	Nearest road chainage.	
3	Name of the owner	
4	Area involved	
5	Arrangements with the owner (agreement with land owner, including the restoration aspects, should be attached as an Annexure)	
6	Existing land use	
7	Photographs depicting the present condition of the construction camp and access road.	
8	Land use of the area surrounding the borrow area including a map	
9	Site layout plan of the construction camp	
10	Establishment and maintenance of demarcated and labeled different areas within the camp	
11	Number of trees to be removed, if any, along with compensation measures	
12	Proposed top soil management	
13	Activities planned in the construction camp	
14	Machinery & equipment to be used on site	
15	Labour camp facilities onsite	
16	Health facilities	
17	Site drainage provisions	
18	Copy of the consents to establish and operate should be attached as an Annexure	
19	Conditions laid down in the clearance / licenses and plans	
20	Staff strength and details such as contractor staff vs sub-contractors, women labour, migrant vs local labour and skilled & unskilled labour	
21	Access road condition and proposed maintenance	
22	Safety provision such as fire protection equipment and personal protective measure	
23	Closure / completion plan Format EMS: IA	

EMS 1A: CLOSURE PLAN CONSTRUCTION CAMP SITE

	Description	Compliance
1	Name / identity of location	
2	Distance from the Project Road and side	
3	Name of the owner	

- Details of the Land
- 4
 - i. Survey Number
 - ii. Boundaries
 - iii. Other Revenue Details
 - 5
 - ✓ Details of settlements, sensitive areas, water bodies, wells and bore wells within 500 m Population in Numbers Name of the Village Distance from the construction camp
 - ✓ Details of water bodies/ sensitive areas/ wells/ bore wells
 2. Physical Details
 - ✓ Number of Labour Stationed
 - ✓ Number of Dwellings Constructed Number of toilets provided were dwellings demolished.
 - ✓ Was the wastewater treatment facility demolished and cleared was the solid waste generated cleared and disposed of properly; if yes specify the location and quantity.
 - ✓ Whether any soil was contaminated with oils and waste oils was cleared and disposed safely, if yes specify the location and quantity.
 3. Was scrap generated while the construction removed, if yes specify the details such as where, when, to whom and quantity.
 - 6
 - 7 Land Use before Establishment Proposed Use after completion of works

EMS 2: BORROW AREA NO:

S. No	Description	Compliance
1.	Name/ identity of location	
2.	Nearest project road chainage	
3.	Name of the owner	
4.	Area involved/capacity/quantity	
5.	Type of material proposed to be taken	
6.	Arrangement with the owner including restoration aspect.	
7.	Existing land use	
8.	Land use of the area surrounding the proposed area	
9.	A map of the area	
10.	Number of trees to be removed, if any along with the compensation measure	
11.	Top soil management if required	
12.	Access road condition and proposed maintenance	
13.	Photograph depicting the present condition of the proposed area and access road	
14.	Closure/ completion plan EMS2A	

EMS 2A: CLOSURE PLAN FOR BORROW AREA

S. No	Description	Compliance
1	Name/ identity of location	
2	Nearest Project chainage, distance from the Project Road and side	
3	Name of the owner	
4	Details of the Land i. Survey Number ii. Boundaries Other iii. Revenue Details	
5	Details of settlements, sensitive areas, water bodies within 500 m Population in Number Name of the Village Distance from the borrow area Details of water bodies/ sensitive areas/ wells/ bore wells	
6	Physical Details Length and width in meters Depth excavated in meters Quantity Excavated in cum Type of materials excavated	
7	Land Use before Opening Proposed Use before opening Details of surroundings	
8	Drawing showing the dimensions of the borrow areas, access roads and features of surrounding	
9	Number of trees removed (girth>300mm), if any along with the compensation measure	
10	Details of top soil Quantity excavated in cum Where was it used	
11	Initial access road condition and final access road condition	
12	Photographs depicting the original condition, during the operation, top soil management, and after closure	
13	Copy of the agreement with the Owner Details of the agreed	
14	Land use after rehabilitation Details should be submitted if the final	
15	Satisfaction certificate from the owner	
16	Details of the practical problems faced and solutions adopted, if	

EMS 3: CONSTRUCTION CAMP AND ENVIRONMENTAL MANAGEMENT

S. No	Issue	Status	
1	Drainage System 1. Closed drainage	Camp -1	Camp-2
2	Disposal for Wastewater		
	1. Kitchen wastewater		
	2. Wastewater from water closets 3. Wastewater from bathrooms 4. Wastewater from the vehicular washings.		
3	Collection and Disposal of Solid Waste		
	I. Waste from the office 2. Waste from the kitchen 3. Waste from sweeping		
4	Drinking Water facility		
5	I. Source with quantity 2. No of bore wells with capacity 3. Location of the well and bore well 4. Any treatment facility 5. No of overhead tanks 6. Test results of the Drinking Water		
6	First Aid Facilities		
7	Roads in Camp site		
8	Type of road Dust suppression practicing or not, if the roads are not tarred. Condition of the road.		
5	Fuel Storage		
	I. Impervious Base 2. Spills and Wastewater will be collected in a sump 3. Number of drums where wastes are collected. 4. Number of drums disposed 5. Garbage and Night Soil II. Provision of Garbage Bins 5. Separation of Polythene materials 6. Records of solid waste removal from septic tanks		

EMS 4: TOP SOIL MANAGEMENT

S. No	Chainage in Km	Quantity in cum	Whether preserved in accordance with specifications	Remarks
1				
2				
3				
4				
5				

EMS 5: CONSTRUCTION PLANTS AND POLLUTION CONTROL

S. No	Construction Plant	Locations	Capacity	Description of Pollution Control System/ Equipment	Remarks
1					
2					
3					
4					
5					

EMS 6: MACHINERY/ VEHICLES AND POLLUTION CONTROL

S. No	Machinery/ vehicles with capacity	Diesel consumed during the month	Engine oil consumed during the month	PUC certificate no and validity	Machinery new/ old	Remarks
1						

S. No	Machinery/ vehicles with capacity	Diesel consumed during the month	Engine oil consumed during the month	PUC certificate no and validity	Machinery new/ old	Remarks
2						

3						
4						
5						

EMS 7: DETAILS OF THE DG SETS WITH THE POLLUTION CONTROL EQUIPMENT

S. No	Capacity in KVA	Vertical Stack If provided height in m	Noise Control System	Remarks
Camp Site				
Crusher				
Plant Site				
Construction Works				

EMS 8: DETAILS OF OIL STORAGE

S. No	Type of Product	Location	Number of Barrels	Capacity of barrels in Liters	Increase/ Decrease in Storage	Stored on Impervious base (Yes/No)	Remarks
1	Diesel						
2	Petrol						
3	Engine Oils						
4	Lubricants						

EMS 9: WORKING AT WATER COURSE AND POLLUTION CONTROL MEASURES

S. No	Location	Type	Stream/ Canal Diversion	Silt Fencing	Remarks

EMS 10: DETAILS OF THE GROUND WATER EXTRACTION

S. No	Location	Capacity of Motor Installed	Quantity of water drawn in Kiloliters			Ground water department	Type of source
			During the month	Up to end of last month	Total		
1							
2							
3							
4							

EMS 11: PERSONAL PROTECTIVE EQUIPMENT

S. No	Details of Equipment	Total Procured in No	Distributed in No	Available in store in No	Remarks
1	Helmets				
2	Safety Shoes				
3	Safety Shoes				
4	Nose Masks				
5	Hand Gloves				
6	Goggles				
7	Safety Belts				
8	Ear Plugs				
9	Reflective Jackets				
10	Gum Boots				

EMS 12: STATUS OF CONSENTS AND PERMISSIONS

Plant	Consent	Number / Status	Validity Date	Remarks
Hot Mix Plants				
Crusher				
Batching Plant				
WMM Plant				
Crusher				
Labour License				

EMS 13: DEVIATIONS WITH CORRECTIVE ACTIONS

S. No	Deviation	Corrective Actions	Schedule

EMS 14: DETAILS OF TREE AND SHRUBS PLANTATION

S. No	Location/ Chainage in 'km'	Number of trees planted	Number of shrubs planted	Survival rate in%	Remarks

EMS 15: PLANTATION OF SHRUBS AND GRASS

S. No	Location/ Chainage	Number of Shrubs planted	Area of gross planted	Survival at 6 months interval	Remarks

LJ

EMS 16: IMPLEMENTATION OF ENHANCEMENT MEASURES

S. No	Type of Enhancement	Side of the Road (R/L)	Progress of Completion		
			Target Date	Actual Completion date	Reasons of delay if any

EMS 17: EMISSION MANAGEMENT

1.	Name of project					
2.	Name and address of the Contractor					
3.	Contract date and duration					
B	Environmental Monitoring Details					
Sl. No	Details of Monitoring Location	Period of Monitoring	Details of values exceeding the relevant standards	Reasons for pollution	Details of Corrective actions taken	Remarks
a.	Ambient Air Monitoring					
1.						
2.						
b.	Water Monitoring					
1.						
2.						
c.	Noise Monitoring*					
1.						
2.						
C	Submission Details					
	Submitted by (Environment & Safety Officer of Contractor)			Approved by (Environmental Officer of PIU)		
Signature & date						
Name						
Designation						
Remarks by PIU						
* Noise monitoring at the site will be done by the PIU, using the Noise Meter. The PIU has to give the monitoring results to the Contractor for corrective actions, if any, required and including in this report. Note: The Contractor has to conduct Environmental Monitoring through a NABL approved Laboratory as per the Environmental Monitoring Plan given in the EMP, fill this format and submit to the PIU along with the Monthly Report, if monitoring was due in that month. A copy of the monitoring report given by the Laboratory has to be attached to this format. The PIU has to visit the site and verify the details. Additional mitigation measures, if required, can be suggested by the PIU. The Environmental Expert of PIU has to give back a copy of this format to the contractor after his approval with remarks.						

Appendix 15

**Sample Grievance Registration Form (to be
provided in Kannada and English)**

Appendix 15

Sample Grievance Registration Form (to be provided in Kannada and English)

The -----Project welcomes complaints, suggestions, queries and comments regarding project implementation. We encourage persons with grievance to provide their name and contact information to enable us to get in touch with you for clarification and feedback. Should you choose to include your personal details but want that information to remain confidential, please inform us by writing/typing *(CONFIDENTIAL)* above your name. Thank you.

Date		Place of registration			
Contact Information/Personal Details					
Name		Gender		Age	
Home Address					
Place					
Phone Number					
E-mail					
Complaint/Suggestion/Comment/Question Please provide the details (who, what, where and how) of your grievance below					
How do you want us to reach you for feedback or update on your comment/grievance?					

FOR OFFICIAL USE ONLY

Registered by: (Name of Official registering grievance)	
Mode of communication: Note/Letter Email Verbal/Telephonic	
Reviewed by: (Names/Positions of Official(s) reviewing grievance)	
Action Taken:	
Whether Action Taken Disclosed:	Yes
Means of Disclosure:	

Appendix 16

**Surface Water Bodies Identified within 500 m of the
Proposed Project Roads**

Appendix 2: Surface Water Bodies Identified within 500 m of the Proposed Project Roads

S.N O.	Road ID	District	Surface water bodies
1	337	Uttara Kannada	Local small nalas nearest to road
2	417	Chikballapur	Lake from Ch: 3.600 to 4.350 & Lake from Ch: 7.560 to 7.950 m
3	422	Uttara Kannada	Local nalas
4	462	Chikballapur	Lake from Ch: 3.390 to 3.540 & Lake from Ch: 7.590 to 7.830 m & Lake from Ch: 9.360 to 10.250 m
5	549	Uttara Kannada	Local nalas
6	555	Uttara Kannada	Local small nalas nearest to road
7	828	Bellary	Malapura lake 30 m from ROW
8	959	Uttara Kannada	Local small nalas nearest to road
9	1006	Uttara Kannada	Small Nalas
10	1143	Mysore	Lake from Ch: 1620 to 1710m, 55095 to 5220m & at Ch: 3240 at a distance of 130 m
11	1521	Uttara Kannada	Attiveri Lake is located 1.00km from the road
12	1568	Chikmagalur	1 lake at 2.56km (Bhadra Back water)
13	1573	Chikmagalur	1 lake at 87 m from Road
14	1644	Belgaum	Ghataprabha River
15	1656	Belgaum	Local Nala
16	1663	Kolar	A Lake is present from 1+600 to 1+900 for 300m in Tattanakunte village
17	1700	Belgaum	Local Nala
18	1782	Belgaum	Local Nala
19	1817	Ramanagara	Hosakere lake at Chainage 1.70 km (RHS)
20	1819	Ramanagara	Arkavathi river at Chainage 3.10km
21	1832	Belgaum	Local Nala
22	1927	Uttara Kannada	Local small nalas nearest to road
23	1928	Uttara Kannada	Local small nalas nearest to road
24	2216	Chamrajnagar	Pond is present at 10 Mts from RoW
25	2368	Hassan	HLBC Canal crossing the road
26	2533	Tumkur	Ponds Near
27	2544	Tumkur	Canal Crossing
28	2567	Chikmagalur	1 lake at 205 m from Road
29	2757	Chikmagalur	1 lake at 2.15km (Bhadra Back water)
30	2958	Kolar	Cheluvanahalli Tank at CH:1.86 to 2.20
31	2972	Tumkur	Ponds
32	3088	Chikmagalur	1 lake at 589 m from Road
33	3093	Dharwad	4 lakes at Ch:0.00km,2.800km, 1 stream at ch:4.45km
34	3094	Dharwad	1 lake at Ch:0.500km, 1 stream at ch:0.500km
35	3186	Chikballapur	Lake from Ch: 4.560 to 4.860

S.N O.	Road ID	District	Surface water bodies
36	3254	Uttara Kannada	Local small nalas nearest to road
37	3309	Chikmagalur	1 lake at 140 m from Road
38	3425	Vijayanagara	Valley Crossing at Ch 400m
39	3469	Kolar	Handeahalli at Ch: 0.840 to 1.50 , Solur tank at CH:2.13 to 2.50, Kendatti tank Ch: 4.62 to 4.93
40	3526	Kolar	A lake is present from 0+450 to 1+450 in Chillapalli village
41	3690	Bangalore Rural	Yelagunte tank 230 m
42	3723	Hassan	Hemavathi river from the road center 1Km
43	3813	Belgaum	Local nala
44	4003	Kodagu	Ponds in Agricultural land for irrigation purpose
45	4042	Kodagu	Ponds in Agricultural land for irrigation purpose
46	4154	Kodagu	Stream Passes where road ends
47	4162	Kodagu	Cauvery river passes 900 Mts away from Road
48	4287	Gadag	Haradagatti pond parallel to road runs
49	4344	Belgaum	Local Nala
50	4415	Chikmagalur	1 lake at 30 m from Road
51	4460	Uttara Kannada	Back water of Kali River (Bommanahalli check Dam) 250m away from the road
52	4463	Tumkur	Lake 300 m
53	4476	Mysore	Lake at Ch: 1400 m at 100m
54	4561	Mandya	Lake at Ch 0.260 Km
55	4575	Bangalore Rural	Tharabally tank 230m
56	4583	Mandya	Lake at Ch 1.160Km
57	4789	Belgaum	Local Nala
58	4817	Belgaum	Local Nala
59	4821	Belgaum	Local Nala
60	4886	Bellary	passes along the HLC canal
61	4952	Haveri	1. Lake from the road center 60m at Ch.0.00km 2. Lake along the road at Ch.0.960km 3. water tank along the road center at 100m, Pond at Ch.1.170km and Ch: 3.360 Km
62	4997	Vijayanagara	Water body at 100m
63	5052	Bijapur	Bhima river Barrage at end point
64	5130	Ramanagara	Tank at Ch 0 km and at Ch 0.75 Km
65	5135	Ramanagara	Bevoor lake at chainage 0.40 km (LHS)
66	5168	Mysore	Lake from Ch: 430 to 625m, at Ch: 2125 m at a distance of 170m, at Ch: 2250 m at a distance of 60m & at Ch: 3000 m at a distance of 150 m
67	16	Bagalkot	Yes
68	30	Dharwad	3 agricultural ponds
69	60	Chikkaballapur	Lake from Ch: 2.900 to 3.400Km
70	127	Dharwad	1 lake and 1 agricultural pond

S.N O.	Road ID	District	Surface water bodies
71	198	Dharwad	1 lake at Ch:0.00km, 1 stream at ch:4.780km
72	205	Dharwad	2 lake at Ch:0.00km, 2 streams at ch:2.220km & 4.00km
73	218	Dharwad	1 lake at Ch:0.00km, 1 stream at ch:2.220km
74	241	Shivamogga	Irrigation canal on RHS along the proposed alignment. Canal along the proposed alignment having 1.20 m wide. Bhadra riverbank is 100 m away from the end chainage of the proposed road alignment.
75	254	Vijayapura	canal
76	306	Kalburgi	Nala Crossing
77	307	Kalburgi	Nala Crossing
78	317	Kalburgi	Pond 10 m From the Center of the Road
79	344	Chamarajanagara	Pond is Present 15 mts from Centerline
80	346	Dharwad	1 lake at Ch:0.500km, 1 lake at Ch:1.00km, 1 lake at Ch:4.00km, stream at ch:5.500km
81	349	Dharwad	4 lakes at Ch:1.00km,3.00km,3.200km,4.30km, stream at ch:2.00km
82	398	Chikkaballapura	Valley from at Ch: 3100 to 3385 m
83	404	Chikkaballapura	Valley crossing Ch: 800 & 5600 m
84	438	Kolar	Pond present near Ch 0+300 to 0+700
85	606	Davanagere	at Ch 150.0M on RHS side lake and 4.8KM on RHS Lake
86	677	Chamarajanagara	Pond is Present 12 mts from Centerline
87	679	Ballari	At Ch:0m To Ch:150m Canal at L/S & At Ch:120m To Ch:150m Pond at R/S
88	686	Kalburgi	3 Ponds 60m, 35m, 20 m From the Center of the Road
89	695	Ballari	At Ch:1220m To Ch:1390m Canal at R/S & At Ch:5830m To Ch:6045 m Pond at L/S
90	710	Bengaluru (Urban)	Lake at 10 m from road
91	713	Chamarajanagara	Pond is Present 15 mts from Centerline
92	726	Bengaluru (Urban)	Pond at 10 m from road
93	753	Kolar	Lake is present from 0+100 to 0+700 in Huladenahalli and 2+750 to 3+150 near Rajenahalli
94	758	Davanagere	Yes, 50 m from center of road
95	781	Davanagere	Yes, 100 m from center of road
96	825	Ballari	At Ch:100m To Ch:1640m Canal at L/S & At Ch:6550m To Ch:6880m Pond at R/S
97	830	Hassan	At Ch:1440m To Ch:2000m Tank & At Ch:1440m To Ch:2000m Tank
98	838	Vijayanagara	Yes 600m, Tungabhadra Backwater
99	844	Mysuru	Canal crossing at Ch: 1320 m
100	858	Mysuru	Lake from Ch: 0 to 65 m, Canal crossing at Ch: 0, 2470 m
101	891	Mysuru	Lake from Ch: 335 to 490 m & 2630 to 3000 m
102	896	Mysuru	Canal crossing at Ch: 1195 m & 1625m, earthen canal from Ch: 3400 to 3580m

S.N O.	Road ID	District	Surface water bodies
103	912	Kolara	Pond 600 m away from the road from Ch 0.50 to 1.50km and at Ch 1.65km
104	914	Mandya	Lake is located at a distance 10m from the Road C/L at Ch. 2.40 km & Lake is located at a distance 250m from the Road C/L at ch.4.020 km
105	924	Mysuru	Canal along road from Ch: 3800 to 4010m & Canal crossing at Ch: 2965 m
106	928	Mysuru	Lake from Ch: 750 to 830m & 2220 to 2350 m
107	929	Mandya	Surface water from Pond at 80 m from Ch: 1.670 Km
108	940	Mandya	Surface water from Pond at 125 m from Ch: 0.390 Km
109	943	Mandya	Pond is located at a distance 150m from the Road C/L at Ch. 0.675 km
110	954	Haveri	1. at Ch 2.190 km left Side Water Body
111	977	Dharwad	stream at ch:3.70km, krishihonda pond at ch:2.50km
112	979	Dharwad	3 lakes at Ch:0.00km,3.50km and 5.00km, 2 streams at ch:2.50km & 3.00km
113	986	Mysuru	Lake from Ch: 180 to 380 m & Canal crossing at ch: 1765 m
114	997	Haveri	1. at Ch 0.030 km Right Side Pond along Road 10.0 m Away from Road 2. from Ch. 1.020 km to 1.20 km Irrigation canal 3.0 Valley Crossing at Ch 2.220 Km 4. from Ch. 3.270 km to 3.510 km Irrigation canal 5. At Ch 5.50 km Tank 250m away from road end
115	1001	Mysuru	Canal crossing at Ch: 980 & 1407 m
116	1005	Hassan	At Ch:0m To Ch:1170m Tank at R/S
117	1012	Mysuru	Canal crossing at ch:735 m
118	1082	Vijayapura	Canal
119	1099	Mandya	From 1.350 to 1.380km Pond & From1.550 to 1.590km Pond
120	1108	Kolara	Yes , Ch:0.6 to 0.69 Katkur tank , Ch:3.0 to 3.27 Geenerahalli tank , Ch:4.12 to 4.54 Vaddarahalli tank
121	1132	Hassan	At Ch:600m To Ch:1070m Tank at L/S
122	1136	Hassan	At Ch:250m To Ch:810m Tank at R/S, At Ch:2180m To Ch:2240m Pond at R/S At Ch:3000m To Ch:3240m Tank at R/S
123	1141	Haveri	1. at Ch 2.40 km Varada River 400 m from Road Center
124	1147	Tumakuru	Lake located near the road
125	1149	Haveri	1. Varada river Crossing at Ch 0.440 km
126	1152	Mysuru	Lake from Ch: 0 to 180 m
127	1169	Haveri	1.ch.0.00kmTungabhadra river 1050km from the road
128	1201	Haveri	1.ch.0.00km waterbody 150km from the road 2. ch.0.360km valley crossing from the road 3.Ch.1.430km valley crossing from the road
129	1203	Kolara	Ch:0.350 to 0.510 Chokkara bande tank, Ch:3.0 to 3.34 tank , Ch :4.26 to 4.48 Ballagere tank

S.N O.	Road ID	District	Surface water bodies
130	1207	Raichur	AT Ch:830m To Ch:1330m Canal at R/S & AT Ch:1670m To Ch:2160m Canal at L/S & AT Ch:2380m To Ch:2540m Canal at L/S
131	1218	Kolara	Pond present near Ch 7+600 to 7+800
132	1302	Kolara	Pond is present from 2+550 to 2+700 for 150m near Gopasandra village
133	1310	Mysuru	Canal along road from ch: 300 to 2650m & 3800 to 4460 m
134	1324	Bagalkot	At 4.70km Stream Passes
135	1325	Mysuru	Lake from ch: 1040 to 1420 m
136	1328	Haveri	1. at Ch 0.00 km River 200 mtr Road Start 2. valley Crossing at Ch 3.0 km
137	1334	Haveri	1. at Ch 0.3 km Valley Crossing 2. Valley Crossing at Ch. 4.945 km 3. at Ch 5.285 km Irrigation Canal Crossing
138	1338	Haveri	at Ch 2.425 km valley Crossing
139	1341	Mysuru	Lake fro mch: 25 to 200 m & 7190 to 7320 m
140	1356	Chamarajanagara	Pond is Present 10 mts from Centreline
141	1361	Haveri	1. at Ch 0.00 km Tank 35 mtr From Road Start 2.0 at Ch 0.995 km Irrigation canal Crossing 3. at Ch 0.670 km Valley Crossings 4. at Ch 1.675 km valley Crossings 5.0 at Ch 4.905 km 30 mtr Fro m raod center
142	1362	Mysuru	Canal crossing at ch: 480, 945, 1715, 2965 & 3230 m
143	1376	Chamarajanagara	Pond is Present 12 mts from Centreline
144	1392	Dakshina Kannada	Nandini River besides of Road
145	1401	Chitradurga	Lakshmisagara lake at 200 m from road
146	1425	Kolara	Lake present from 0.00 to 0.55 in Chikkasabbenahlli
147	1444	Kolara	A lake is present from 0+600 to 1+950 near Nangali village
148	1465	Bengaluru Rural	Lake
149	1489	Belagavi	STREAM
150	1494	Kalburgi	Rustumpur Lake 430m From the Center of the Road
151	1505	Kalburgi	TumkuntaLake 530mFrom the Center of the Road
152	1510	Hassan	At Ch:0m To Ch:930m Tank
153	1526	Mysuru	Canal along road from ch: 295 to 3860m, Lake from ch: 3850 to 3950m
154	1532	Kalburgi	Pond 10m From the Center of the Road
155	1535	Kalburgi	River 220m From The Center of the Road
156	1547	Kalburgi	River 320m From The End Chainage of the Road
157	1610	Chitradurga	Yemmeganuru lake at 200 m from road
158	1618	Vijayapura	1 no of Lake
159	1619	Vijayapura	1 no of Lake
160	1622	Vijayapura	Road Alignment passes Parallel with Krishna River Back water.

S.N O.	Road ID	District	Surface water bodies
161	1653	Hassan	At Ch:1050m To Ch:1150m Pond at R/S, At Ch:2390m To Ch:2430m Pond at L/S, At Ch:2536m To Ch:2570m Pond at L/S & At Ch:2540m ToCh:2570m Pond at R/S
162	1662	Hassan	At ch:0.95 to Ch:1000 m Pond & At Ch:1150m To Ch:1300m Pond
163	1679	Tumakuru	yes Nagalpura tank at ch.1.00 km
164	1693	Belagavi	LOCAL NALA CROSSING
165	1694	Belagavi	LOCAL NALA CROSSING
166	1702	Belagavi	STREAM, MI TANK
167	1703	Belagavi	STREAM
168	1706	Bengaluru (Rural)	Stream/nala
169	1707	Bengaluru (Rural)	POND
170	1708	Belagavi	STREAM
171	1712	Belagavi	STREAM
172	1718	Bengaluru (Rural)	POND
173	1761	Belagavi	STREAM
174	1793	Belagavi	LOCAL NALA CROSSING
175	1805	Belagavi	STREAM
176	1813	Belagavi	STREAMS, CANAL
177	1814	Belagavi	CANAL
178	1824	Belagavi	STREAM
179	1837	Belagavi	LOCAL NALA CROSSING
180	1842	Belagavi	LOCAL NALA CROSSING
181	1850	Belagavi	STRAEM
182	1870	Chitradurga	Lake at 50 m from road
183	1902	Belagavi	LOCAL NALA CROSSING
184	1911	Belagavi	STREAM, CANAL
185	1999	Belagavi	STREAM
186	2003	Belagavi	CANAL
187	2005	Belagavi	STREAM
188	2007	Belagavi	STREAM
189	2015	Belagavi	STREAM
190	2024	Belagavi	STREAM
191	2031	Sira	At ch 0.00 to 0.90km pond loacted 300m away from road and Stream crossing at Ch:- 0.750 km
192	2035	Tumakuru	YES, pond 500 M FROM CENTER OF ROAD
193	2043	Belagavi	LOCAL NALA CROSSING
194	2044	Belagavi	LOCAL NALA CROSSING
195	2056	Belagavi	STREAM

S.N O.	Road ID	District	Surface water bodies
196	2062	Tumakuru	yes,kallambella lake 600 m away from the road from ch 1.65 to 2.65 and at ch 2.80km water channel passing.
197	2098	Belagavi	CANAL ALONG ROAD
198	2100	Belagavi	STREAMS
199	2126	Belagavi	LOCAL NALA CROSSING
200	2129	Belagavi	LOCAL NALA CROSSING
201	2132	Belagavi	LOCAL NALA CROSSING
202	2144	Bengaluru (Rural)	Pond
203	2161	Tumakuru	yes,pond 100 m from the road at ch 1.62km at Balabasavanhally
204	2162	Chitradurga	Lake at 150 m from road
205	2185	Belagavi	LOCAL NALA CROSSING
206	2191	Belagavi	LOCAL NALA CROSSING
207	2209	Chitradurga	Lake at 50 m from road
208	2213	Shivamogga	On LHS of the alignment from ch:0.00 km to 0.80 km ,from 4m to 6.5m from the center of the road.On RHS of the alignment at ch:1.95 km ,230 m from the center of the road.
209	2230	Haveri	1.ch.0.900km water tank along the road 2.ch.0.00km water body 360km from the road
210	2237	Haveri	1.ch.0.60km Pond along the road
211	2238	Haveri	1. at Ch 0.030 km water body along the Road Center
212	2261	Haveri	1.at ch 4.200 km 250mtr From Road Center Water bund is there 2. at ch 4.640km 500 mtr from road center lake is there
213	2289	Yadgir	pond
214	2301	Haveri	1.ch.0.210km Pond along from the road
215	2308	Vijayapura	Canal
216	2318	Kalburgi	Stream 20m From Center of the Road
217	2330	Shivamogga	There is a pond on RHS from ch:4.35 km to 4.81 km.
218	2337	Bagalkot	Canal
219	2357	Belagavi	STREAM
220	2363	Haveri	1. at Ch 0.0 km 250 mtr Road Start inside Village 2. at Ch 1.57 km 10 mtr Road Center
221	2380	Haveri	at Ch 2.520 Water Body 100 m from Road Center
222	2381	Belagavi	STREAM
223	2383	Belagavi	STREAM
224	2409	Kalburgi	Pond 25m From the Center of the Road
225	2416	Kalburgi	Canal Crossing , Pond 15 m From the Center of the Road
226	2417	Kalburgi	Canal Crossing
227	2425	Belagavi	VEDGANGA RIVER AT END CHAINAGE

S.N O.	Road ID	District	Surface water bodies
228	2429	Belagavi	STREAMS, CANAL
229	2431	Raichur	canal at ch :1500m
230	2436	Kalburgi	Nala Crossing
231	2440	Hassan	At Ch:430m To Ch:500m Tank at L/S , At Ch:1360m To Ch:1460m Pond at L/S & At Ch:1470m To Ch:1520m Pond at L/S
232	2456	Chikkamagaluru	at Ch 0+500 (lake)-LHS- 10m from ROW
233	2458	Tumakuru	yes
234	2459	Chamarajanagara	Pond is Present 15 mts from Centreline
235	2462	Chamarajanagara	Pond is Present 15 mts from Centreline
236	2474	Shivamogga	On RHS of the alignment from ch:0.00 km to 0.80 km ,from 4m to 6.5m from center of the road.& on RHS of the alignment at ch:1.95 km,230 m from the center of the road.
237	2477	Kolar	YES, CH: 1.08 TO 1.54 PEELAVARA TANK
238	2486	Yadgir	canal
239	2491	Tumakuru	Yes , There is distributory benavar tank fro chainage 0.750 km to 1.830 km.
240	2502	Yadgir	canal
241	2559	Tumakuru	yes
242	2575	Belagavi	streams
243	2584	Shivamogga	On LHS of the road alignment from ch:0.00 km to 2.40 km,from 3.5 m to 6.5 m from the center of the road. On the RHS of the alignment from ch:1.08 km to ch:2.40 km,the Bhadra river is located approximately 420 m to 470 m away from the centerline of the road.
244	2599	Raichur	AT Ch:1900m To Ch:1960m Pond at R/S
245	2631	Kalburgi	Bhima River 325m From the Center of the Road
246	2639	Kalburgi	Allur Lake 100 m From the Center of the Road
247	2679	Tumakuru	yes
248	2684	Chitradurga	Bheemasamudra lake at 100 m from road
249	2726	Uttara Kannada	Salt making pond sanikatta
250	2795	Hassan	At Ch:3300m Pond
251	2798	Chikkamagaluru	1. at Ch 0+300 culvert crossing along the carriage way 2. at Ch 0+900 canal crossing along the carriage way
252	2825	Davanagere	canal
253	2826	Davanagere	canal
254	2827	Davanagere	canal
255	2828	Davanagere	canal
256	2829	Davanagere	canal
257	2830	Davanagere	canal
258	2837	Hassan	At Ch:350m To Ch:650m Pond
259	2845	Chitradurga	A lake is situated adjacent to ROW at Ch. 1.00 Km

S.N O.	Road ID	District	Surface water bodies
260	2877	Mysuru	Lake from ch: 1750 to 2160 m
261	2886	Hassan	At CH:2130m to 2470m the Tank is Right side of the Road, At CH:2940m to 2980m the Pond Left Side of the Road
262	2889	Tumakuru	Yes , There is pond fro chainage 1.88 km to 1.98 km.
263	2894	Hassan	At CH:1650m to 1840m the Tank in left side of the road, 2.270m to 2.640m the Tank in Right side of the Road
264	2895	Hassan	At Ch:370m To Ch:390m Pond at L/S , At Ch:880m To Ch:1410m Pond at R/S At Ch:390m To Ch:770m Canal at R/S At Ch:770m To Ch:880m Canal at L/S At Ch:1850m To Ch:1920m Canal at L/S At Ch:1850m To Ch:1920m Canal at R/S
265	2919	Mandya	From 0.000km Pond
266	2956	Tumakuru	yes
267	2998	Tumakuru	Yes , There is distributory channayyanpalya tank fro chainage 1.29 km to 2.10 km.
268	3070	Tumakuru	YES , KOLIHALLI TANK CH : 1.43 TO 1.82 , CH: 3.57 TO 4.30 HARULURU TANK ,& CH :6.92 TO 7.31 RAITARAPALYA TANK
269	3092	Dharwad	2 lake at Ch:0.500km, stream at ch:2.500km
270	3097	Dharwad	1 lake at Ch:1.00km, stream at ch:1.50km
271	3117	Chikkaballapura	Lake from ch: 800 to 1000 m
272	3124	Tumakuru	Yes , There is distributory Kodihalli tank fro chainage 2.01 km to 2.20 km.
273	3157	Bidar	Irrigation Canal passes through the alignment
274	3176	Dharwad	1 agricultural major pond
275	3182	Chikkaballapura	Lake from ch: 5920 to 5960 m
276	3321	Kalburgi	Nala Crossing
277	3349	Kalburgi	Nala Crossing
278	3366	Ballari	at Ch 3420 m Valley Crossing
279	3372	Belagavi	STREAMS, CANAL
280	3378	Ballari	Canal
281	3444	Bidar	Irrigation Canal passes through the alignment
282	3452	Belagavi	CANAL, KRISHNA RIVER - 500M
283	3462	Kolara	YES, CH : 0.66 TO 1.05 VEERAPURA TANK
284	3485	Hassan	At Ch:0m To Ch:200m Tank at R/S & At Ch:1200m To Ch:1340m Tank at R/S
285	3504	Kalburgi	Stream 10m From Center of the Road
286	3512	Yadgir	canal
287	3539	Kolara	YES, DAYAMANAGUDISALU TANK CH: 2.88 TO 2.97 , CH: 4.52 TO 4.71 MARIKUPPA TANK
288	3546	Kolara	YES, BEERNAKUPPA TANK CH: 1.29 TO 1.41
289	3563	Belagavi	LOCAL NALA CROSSING

S.N O.	Road ID	District	Surface water bodies
290	3565	Kolara	A Lake is present from 3+250 to 3+400 near Balasandra village
291	3609	Kolara	YES, AT CH: 2.46 TO 3.72 MARASANDRA TANK
292	3616	Belagavi	LOCAL NALA CROSSING
293	3621	Haveri	1. at Ch 3.87 km valley crossings
294	3623	Kalburgi	Pond 250m From the End Chainage of the Road
295	3628	Mandya	From 1.920 to 2.010km Pond.
296	3631	Chitradurga	Lake at 50 m from road
297	3636	Mandya	From 1.650 to 2.040km Canal & From 2.800 to 3.330km Pond.
298	3644	Bagalkot	Yes ch 0.15 km
299	3652	Belagavi	KRISHNA RIVER-300MTR
300	3659	Belagavi	LOCAL NALA CROSSING
301	3662	Haveri	1.ch.3.250km water tank from the road center 90m
302	3666	Kalburgi	Stream 30 m From the Center of the Road
303	3669	Kalburgi	Pond 100 m From the Center of the Road
304	3686	Belagavi	VEDGANGA RIVER AT STARTCHAINAGE
305	3699	Belagavi	KRISHNA RIVER - 150MTR
306	3701	Belagavi	STREAM
307	3704	Mandya	Surface water from Pond at 100 m from ch: 1.740 Km
308	3732	Chikkamagaluru	1. at Ch 1+800 (lake)-RHS- 10m from carriage way 2.at Ch 1+800 (lake)-RHS- 10m from carriage way 3 .at Ch 4+600 (pond)-RHS- 10m from carriage way
309	3733	Chikkamagaluru	1. at Ch 0+200 (lake)-LHS- 10m from carriage way 2. at Ch 2+200 (MNB)-along the carriage way 3. at Ch 3+600 (lake)-LHS- 10m from carriage way
310	3758	Tumakuru	yes
311	3771	Hassan	At Ch:1420m To Ch:1450m Pond & At Ch:1840m To Ch:2190m Pond
312	3794	Raichur	AT Ch:0m To Ch:13990m Canal at R/S
313	3807	Mandya	From 0.00 to 2.680km Kerethanuru Back Water.
314	3817	Hassan	At Ch:2450m To Ch:2600m Pond at L/S , At Ch:4090m To Ch:4240m Pond at L/S & At Ch:4430m To Ch:4660m Pond at L/S
315	3819	Hassan	At Ch:280m To Ch:380m Pond at L/S , At Ch:1200m To Ch:1460m Pond at L/S & At Ch:3260m To Ch:3380m Pond at R/S
316	3834	Bengaluru (Rural)	POND
317	3844	Hassan	At Ch:1990m To Ch:2950m Tank at L/S
318	3847	Hassan	At Ch:1930m To Ch:2490m Canal
319	3869	Chikkaballapura	Lake from ch: 820 to 925 m
320	3896	Kalburgi	Keri Bhosga Lake 60m From the Center of the Road
321	3909	Bengaluru (Rural)	POND
322	3931	Mandya	Shimsha River

S.N O.	Road ID	District	Surface water bodies
323	3940	Mandya	From 0.0 to 0.060km Pond & 0.600 to 0.660km Pond & 1.140 to 1.190km Pond
324	4038	Haveri	1.Valley along road at Ch 6.00 to 6.350 km 2. at Ch. 0.250 km pond 120m from road Center 3. at Ch.11.45 km River 250 mtr from road center
325	4045	Tumakuru	yes
326	4062	Chamarajanagara	Pond is Present 15 mts from Centreline
327	4081	Chikkaballapura	Lake from ch: 2925 to 3500 m
328	4083	Mandya	From 0.710 to 0.820km Pond.
329	4133	Tumakuru	yes , Lake 50m from the road at ch 0.20km
330	4137	Tumakuru	yes , lake 100m from the road at ch 0.45km
331	4147	Mysuru	Canal crossing at ch: 2095 m
332	4187	Belagavi	STREAM
333	4189	Hassan	Ch:0m To Ch:120m Pond at R/S , At Ch:1030m To Ch:1290m Pond at R/S & At Ch:2700m To Ch:2770m Pond at R/S
334	4196	Haveri	1. at ch 0.420 km valley Crossing
335	4201	Mysuru	Lake from ch: 0 to 35 m & 3100 to 3200 m
336	4207	Davanagere	Rlver AT Ch 2.7KM
337	4220	Bengaluru (Urban)	Pond at 10 m from road
338	4242	Mysuru	Lake from ch: 1800 to 1950 m
339	4246	Haveri	1. at Ch. 4.020 km lake 220 mtr From road center 2. at Ch. 4.735 km lake 50 mtr From road center
340	4252	Vijayapura	Canal
341	4253	Vijayapura	Canal
342	4282	Mysuru	Canal crossing at ch: 265 m & 930m
343	4300	Mysuru	Lake from ch: 500 to 540 m & Canal: 1540 to 1670 m
344	4316	Mysuru	Lake from ch: 705 to 800 m & Canal crossing at ch: 980m, 500m & 4825m
345	4321	Haveri	1.at ch 0.100 km 10mtr From Road Center Water bund is there 2. at ch 0.500km along the road center valley is there 3.at ch 2.900km along the road center valley is there
346	4326	Mandya	From 2.040km Pond
347	4328	Mandya	From 1.920 to 4.110km Canal.
348	4330	Belagavi	STREAM
349	4336	Kalburgi	Nala Crossing
350	4337	Belagavi	STREAM
351	4348	Kalburgi	Nala Crossing
352	4350	Mandya	From 2.630 to 2.720km Canal.
353	4356	Mandya	From 1.110 to 1.200m Pond & 3.200 to 3.240km Pond & 3.180 to 3.870km Pond

S.N O.	Road ID	District	Surface water bodies
354	4363	Mandya	From 0.750 to 0.850km Pond & 1.710 to 1.780km Pond
355	4369	Mandya	A pond is located between chainage 0.000km and 0.750km
356	4370	Kalburgi	Nala Crossing
357	4374	Kalburgi	Nala Crossing
358	4384	Belagavi	MARKANDEY RIVER 100MTR
359	4394	Belagavi	STREAM
360	4406	Kalburgi	Keri Bhosga Lake 100m From the Starting Chainage
361	4426	Mysuru	Lake from ch: 0 to 130 m & Canal crossing at ch: 5485m
362	4446	Ballari	Canal
363	4451	Hassan	At Ch:1590m To Ch:1630m Pond at R/S ,
364	4474	Mysuru	Canal crossing at ch: 1650m
365	4482	Mandya	From 0.000 to 0.060km Pond.
366	4484	Mandya	From 0.330 to 0.390km Pond.
367	4503	Hassan	At Ch:1440m To Ch:2000m Tank , At Ch:2300m Tank
368	4504	Kalburgi	Nala Crossing, River 160m From the Center of the Road
369	4516	Mandya	From 1.710 to 1.800km Pond & From 2.600 to 2.855km Canal.
370	4545	Haveri	1.ch.0.00km water tank from the road center 100m
371	4555	Haveri	1.ch.0.00km water tank from the road center 250m
372	4562	Mandya	An irrigation canal is located along the project alignment
373	4564	Mandya	From 0.120 to 0.540km Pond & From 1.590 to 1.920km Pond & From 2.340 to 2.680km Pond
374	4568	Kalburgi	Nala Crossing
375	4578	Bengaluru (Rural)	POND
376	4579	Bengaluru (Rural)	POND
377	4597	Bengaluru Rural	Lake
378	4600	Chamarajanagara	Pond is Present 15 mts from Centreline
379	4607	Bagalkot	Canal
380	4646	Belagavi	LOCAL NALA CROSSING
381	4694	Mysuru	Canal along road from ch: 2673 to 4195 m
382	4695	Vijayapura	canal
383	4696	Vijayapura	canal
384	4697	Vijayapura	canal
385	4720	Belagavi	LOCAL NALA CROSSING
386	4727	Belagavi	MI TANK - WITHIN 50MTR
387	4733	Belagavi	KRISHNA RIVER - 300M
388	4761	Kalburgi	Pond 30m From the Center of the Road
389	4762	Yadgir	canal
390	4763	Kalburgi	Pond 65m From the Center of the Road
391	4768	Belagavi	KRISHNA RIVER - 250M

S.N O.	Road ID	District	Surface water bodies
392	4769	Belagavi	LOCAL NALA CROSSING
393	4778	Davanagere	LHS LAKE CH :2.48KM
394	4782	Hassan	At Ch:410m To Ch:560m Pond At Ch:1100m To Ch:1150m Pond
395	4785	Shivamogga	Yes , There is distributory canal fro chainage 2.00 km to 2.49 km. The nearest river is Bhadra river ,which is 320 m from the end chainage.
396	4787	Belagavi	KRISHNA RIVER AT START CHAINAGE
397	4788	Belagavi	KRISHNA RIVER AT START CHAINAGE
398	4800	Ballari	at Ch 00 m Tungabadra River Ch.0.00 from road
399	4801	Davanagere	YES 5 M FROM CENTER OF ROAD
400	4806	Belagavi	STREAM
401	4808	Belagavi	STREAM
402	4809	Belagavi	STREAM
403	4810	Belagavi	STREAM
404	4813	Belagavi	STREAM
405	4815	Belagavi	LOCAL NALA CROSSING
406	4816	Mysuru	Canal along road from ch: 0.00 to 7500 m
407	4828	Belagavi	STREAM
408	4830	Belagavi	STREAM
409	4832	Belagavi	LOCAL NALA CROSSING
410	4833	Dharwad	1 lake at Ch:0.00km, stream at ch:3.800km
411	4836	Dharwad	1 lake at Ch:0.00km, stream at ch:3.50km
412	4837	Dharwad	1 lake at Ch:0.00km, stream at ch:1.15km
413	4838	Dharwad	2 lake at Ch:0.00km, stream at ch:0.800km
414	4844	Davanagere	NALA At Ch 1.83KM
415	4857	Belagavi	STREAM
416	4874	Mysuru	Canal along road from ch: 1005 to 2840 m
417	4876	Chamarajanagara	Pond is Present 100 mts from Centrelin
418	4878	Mysuru	Canal crossing at ch: 1175m
419	4879	Belagavi	STREAM
420	4880	Mysuru	Canal along road from ch: 380 to 915m & canal crossing at ch: 1880 m
421	4890	Belagavi	STREAM
422	4906	Vijayapura	Road Alignment passes Parallel with Krishna River Back water.
423	4907	Vijayapura	2 no s of Lakes
424	4911	Ballari	at Ch 950 m Valley Crossing
425	4912	Ballari	at Ch 1300 m Tungabadra River Ch.0.00 from road
426	4915	Hassan	At Ch:600m To Ch:710m Pond at L/S , At Ch:1320m To Ch:1380m Pond at R/S & At Ch:1350m To Ch:1410m Pond at L/S

S.N O.	Road ID	District	Surface water bodies
427	4926	Mysuru	Lake from ch: 570 to 1080m, Canal crossing at ch: 435m, 1630 m & 2530 m
428	4932	Ramanagara	stream AT Ch:0.73km from road
429	4950	Haveri	1. at Ch 0.00 km tank 350m from Road Center
430	4955	Kalburgi	Nala Crossing
431	4960	Vijayapura	Canal
432	4978	Haveri	1. at ch .00 km inside village 350mtr From Road Center 2.0 valley Crossing at Ch 2.230 km
433	4980	Kalburgi	Pond 365m From the Center of the Road
434	4985	Shivamogga	The School and Anganavadi located 30 metre from the road.
435	4988	Shivamogga	There is a canal passes along the road alignment from ch:0.00km to ch:1.84 km
436	4992	Yadgir	canal
437	4995	Vijayapura	Canal
438	5000	Yadgir	canal
439	5005	Vijayapura	Canal
440	5009	Mysuru	Lake from ch: 1050 to 1165 & 1500 to 1920 m
441	5011	Mysuru	Lake from ch: 1015 to 1080 & 1620 m
442	5016	Kalburgi	Canal 20m From the Center of the Road
443	5029	Mandya	An irrigation canal is located along the project alignment
444	5030	Mandya	From 0.630 to 1.200km Pond.
445	5036	Mandya	From 1.230 to 1.830km Canal
446	5037	Mandya	From 0.330 to 0.480km Pond &From 1.890 to 2.340km Pond
447	5046	Belagavi	STREAM
448	5047	Kodagu	Canal Crossing
449	5048	Belagavi	STREAM
450	5054	Vijayapura	Canal
451	5058	Kodagu	Pond at 10mts From Centre line
452	5070	Mandya	From 1.410 to 1.190km Pond,From 2.580 to 2.710km Pond & From 4.290 to 4.350km Pond.
453	5071	Mysuru	Lake from ch: 150 to 575 m, earthen canal from ch:2840 to 2995 m
454	5074	Mysuru	Canal crossing at ch: 590 m
455	5085	Ramanagara	Tank AT Ch:2.49km, 390m from road
456	5089	Ramanagara	Vrishabawathi river at Chainage 3.56 km, 70m from road
457	5123	Belagavi	STREAM
458	5126	Belagavi	STREAM
459	5127	Belagavi	STREAM
460	5128	Belagavi	STREAM
461	5134	Mandya	Lake is located at a distance 15m from the Road C/L at ch. 2..05 km

S.N O.	Road ID	District	Surface water bodies
462	5141	Ramanagara	Stream at Chainage 0.40km, 140m from road RHS
463	5142	Ramanagara	Stream at Chainage 0.065 km, 55 m from road RHS
464	5147	Belagavi	STREAM
465	5148	Belagavi	STREAM
466	5167	Mysuru	Lake from ch: 490 to 565m
467	5170	Belagavi	STREAM
468	5171	Belagavi	STREAM
469	5173	Kalburgi	Nala Crossing
470	5175	Kalburgi	Nala Crossing
471	5180	Ramanagara	Tank AT Ch:..2.5km, 40m from road
472	5206	Ramanagara	AT Ch:..0km from road 65m Bargavathi tank
473	5217	Ramanagara	AT Ch:..2.84km from road Kavanapura tank
474	5219	Chikkaballapura	Lake from ch: 2725 to 2800 m & from Ch:2840 to 3000m
475	5222	Kodagu	Nala Crossing
476	5226	Ramanagara	Tank AT Ch:..5.56km, 50m from road . Vrishabawathi river at Chainage 0.30 km
477	5228	Ramanagara	At Ch- 0.56 km &Ch- 3.47 km harisandra lake at a distance of 189m & 250 m respectively from centre of the road
478	5229	Belagavi	LOCAL NALA CROSSING
479	5230	Belagavi	LOCAL NALA CROSSING
480	5236	Vijayapura	Lake
481	5237	Vijayapura	canal
482	5238	Vijayapura	canal
483	5239	Vijayapura	Canal
484	5240	Vijayapura	Canal and river
485	5241	Mysuru	Lake from ch: 240 to 420 m, 2400 to 2520 m , 2850 to 2930 m
486	5242	Vijayapura	Canal
487	5243	Vijayapura	Canal
488	5245	Vijayapura	canal
489	5256	Chikkamagaluru	at Ch 0+500 (lake)-RHS- 5m from ROW
490	5266	Belagavi	STREAM
491	5277	Vijayapura	canal
492	5282	Kolara	YES,CH:1.77 SARVAREEDY TANK 2.27
493	5284	Vijayapura	canal
494	5285	Vijayapura	canal
495	5298	Davanagere	NAla AT CH 0.430KM
496	5300	Vijayapura	Canal
497	5313	Belagavi	LOCAL NALA CROSSING
498	5314	Belagavi	LOCAL NALA CROSSING

S.N O.	Road ID	District	Surface water bodies
499	5315	Belagavi	LOCAL NALA CROSSING
500	5324	Haveri	1.ch.0.00km water tank from the road center 330m
501	5327	Vijayapura	Canal
502	5332	Shivamogga	Main canal crossing at ch:0.70 km
503	5333	Shivamogga	A Canal distributary passes on the LHS 18 m away from the proposed road at ch:1.40 km. The Bhadra River is located approximately 125 m from the end chainage at km 1.40
504	5346	Shivamogga	There is a canal passes along the road alignment from ch:0.80 km, ch:1.80 km
505	5347	Belagavi	LOCAL NALA CROSSING
506	5348	Belagavi	STREAM
507	5349	Belagavi	STREAM
508	5350	Belagavi	STREAM
509	5351	Chikkamagaluru	at Ch 3+200 (lake)-RHS- 10m from ROW
510	5373	Kolar	Yes, Bettahalli lake from ch: 0.220 to 0.530,Makarahalli from Ch: 1.82 to2.06
511	5374	Kolar	Yes, Nidamakanahalli tank from ch: 0.630 to 0.790
512	5384	Ramanagara	From Ch 2.28 km to Ch 3.23 km alignment pass on Mankunda lake Bund
513	5389	Sira	Thippapura pond at ch0.80km to 1.80km 50m away from road
514	5391	Vijayanagara	Road runs paralell to Vijayanagara Turta Canal
515	5409	Chitradurga	A canal is situated adjacent to ROW at Ch. 0.780 Km
516	5422	Ramanagara	At Ch-1.66km to 2.07km Hulibele Lake Bund
517	5423	Ramanagara	At Ch- 1.56km LHS Pond,At Ch-1.79km nala crossing, At Ch-1.9km LHS Pond ,At Ch-3.39km Nala crossing
518	5427	Ramanagara	At Ch- 0.664km stream,At Ch-3.12km STREAM At Ch-3.65km tank At Ch-6.58km Mavathur Dam Back water at 50m from Road end point
519	5428	Ramanagara	AT Ch-3.09km Thungni Tank LHS 85m from Road Centre ,At Ch-3.96km Reddy Tank 95m LHS ,At Ch-4
520	5433	Hassan	At Ch:160m to 210m the Pond in the Right side of the Road, At Ch:1280m to 1880m the Canal is at the Right of the Road
521	5448	Mandya	From 0.540 to 0.750km Pond
522	5449	Mandya	From 1.260 to 1.380km Pond & From 2.340 to 2.430km Pond
523	5450	Mandya	From 0.180 to 0.840km Pond
524	5451	Mandya	From 1.050 to 1.100km Pond
525	5454	Mandya	From 0.000 to 0.600km Pond
526	5456	Haveri	at Ch 0.840 km Tank is found 120 mtr farway from Road Center line and at 2.63 km end Point Tank is Found 20 mtr Far way from road end point
527	5458	Sira	pond 50m away from end of of the road at ch 2.37km

S.N O.	Road ID	District	Surface water bodies
528	5460	Haveri	at Ch 1.290 km Tank is found 220 mtr farway from Road Center line
529	5464	Kalburgi	at Ch 1.30 km River is found from Project Road
530	5465	Chamarajanagara	Canal crossing at Ch 955 Mts
531	5468	Uttara Kannada	ponds
532	5469	Mandya	From 0.150 to 0.240km Pond, From 1.140 to 1.250km Pond,From 2.160 to 2.88km Canal,From 3.600 to 4.080km
533	5473	Sira	pond 50m away from the road from ch 0.30km to 0.80km
534	5476	Sira	Byadnoor village pond at ch1.40 to 1.80km 150m away from road and to ch1.80km to 2.20km 100m away from road and ch2.20 to 2.40km 300m away from road
535	5477	Sira	At ch3.00km stream water flow
536	5480	Tumakuru	Ponds
537	5484	Gokak	1)A lake is situated adjacent to ROW LHS at Ch. 3.100 Km 2)A Stream crossing at Ch:- 1.740 km 3)A canal situated adjacent to ROW LHS at from ch 0.170 Km to 2.00km
538	5485	Bengaluru Rural	Lake
539	5489	Gokak	1)A Stream crossing at Ch:- 0.760 km
540	5490	Kalburgi	at Ch 1.98 km Hasargundagi Lake is found from Project Road
541	5494	Kalburgi	at Ch 1.20 km Lake is found from Project Road
542	5495	Sira	At ch 0.00 to 2.96km pond loacted 50m away from road
543	5506	Bengaluru Rural	Lake
544	5514	Bengaluru Rural	Varadanayakanahalli Lake 10mt
545	5515	Bengaluru Rural	Hosahalli Lake 100mt
546	5516	Bengaluru Rural	T.Begur Lake Doddakere 350mt
547	5517	Bengaluru Rural	Chikkasolur Lake 100mt

Appendix 17 Environmental Management Plan Budget

Sl. No	Road ID	Division	District	Name of the road	Actual Length in Kms	Existing Right of Way in Meters	Proposed Right of Way in Meters	Environmental Budget
1	15	Mangalore	Dakshina Kannada	Joduthadame to Narlapadavu Tharemar	3.25	7.5 to 10.00	7.5	149,000
2	20	Belagavi	Belgaum	Improvements to road from Basavan Kudachi to Nilati	2.36	10 to 12m	8-10 km	149,000
3	21	Belagavi	Belgaum	Improvements Road From Bugatialur to shendur via Rashing	2.26	10 to 12m	8-10 km	149,000
4	24	Bagalkot	Bagalkot	Yandigeri to Join Kaladagi MDR (Excluding Forest stretch of 0.050 km)	3.26	8 to 10m	8 to 10m	149,000
5	25	Mangalore	Dakshina Kannada	Arkana-Mithakodi- Kurnadu temple- Boliyaru Road	5.275	7.50 to 10.00	7.5	149,000
6	29	Mangalore	Dakshina Kannada	Majji-Boliyaru-Renthadka Road	3.43	7.50 to 10.00	7.5	149,000
7	31	Mangalore	Dakshina Kannada	Thoudugoli-Kalminja Road	2.42	7.50 to 10.00	7.5	149,000
8	40	Dharwad	Dharwad	Gobbargumpi to tq border(Hunashikatti) of Navalgund taluk in Dharwad District	5.35	8.0 to 10.0	8.0 to 10.0	158,000
9	44	Bagalkot	Bagalkot	Bodanayakanadini to Nagaral Upto T-02	5.48	8 to 10m	8 to 10m	140,000
10	49	Bagalkot	Bagalkot	Bhairmatti to Join T-05	3.19	8 to 10m	8 to 10m	347,000
11	60	Chikkaballapur	Chikkaballapur	NH234 to Harobande Via Narasimha Devarabetta,Hanumanthapura , Dinneshosahalli, Arkere, Gunthannanahallu	11.88	11 to 12	11 to 12	116,000
12	69	Koppal	Koppal	Improvements to road from Mattur to Betageri	3.15	7.5 to 10	7.5	521,000
13	72	Koppal	Koppal	Improvements to road from Chilawadagi to Kalakeri	3.6	7.5 to 10	7.5	266,000
14	88	Raichur	Raichur	Dr. Camo to Nuodoni via N.Hosur	3.9	9m to 13m	9m to 13m	458,000
15	117	Bagalkot	Bagalkot	Hoolageri to Join SH via Ganganabhudihal	5.34	8 to 10m	8 to 10m	140,000
16	125	Bagalkot	Bagalkot	Neelagund to Join Karadigudda MDR	3.16	8 to 10m	8 to 10m	140,000
17	131	Bagalkot	Bagalkot	Yaraqoppa SB to Shivapura MDR	3.15	8 to 10m	8 to 10m	185,000
18	132	Bagalkot	Bagalkot	Bevinjal to T-04	3.58	8 to 10m	8 to 10m	347,000
19	136	Bagalkot	Bagalkot	Sulikeri to join Hangaragi (Excluding forest stretch of 0.80 km)	5.2	8 to 10m	8 to 10m	471,000
20	141	Bagalkot	Bagalkot	Paruti to join Gulledegudda Pattadakallu MDR	3.15	8 to 10m	8 to 10m	323,000
21	144	Gadag	Gadag	Akkigunda to SH-6	5.45	8.0 to 10.0	8.0 to 10.0	333,000
22	163	Chitradurga	Chitradurga	K.K road to Chattekamba	4.37	7.5	7.5	149,000
23	168	Chikkamagalur	Chikkamagaluru	Kachagal to Andagaru via Totadakoppa Road	9.1	8 to 10m	8 to 10m	431,000

24	174	Udupi	Udupi	Mudalkatte to Kalavara proper road	5.19	6 to 8	6 to 8	188,000
25	198	Dharwad	Dharwad	Amminbhavi to Ayetti (Navalgund tq border) in Dharwad taluk of Dharwad District	4.78	8.0 to 10.0	8.0 to 10.0	158,000
26	215	Koppal	Koppal	Improvements to road from Sangapur to SH-36 Vai Lebaeri	4.357	7.5 to 10	7.5	266,000
27	218	Dharwad	Dharwad	Timmapur to Lakhamapur in Dharwad taluk of Dharwad District	5.52	8.0 to 10.0	8.0 to 10.0	287,000
28	240	Koppal	Koppal	Improvements to road from Venkatgiri to Udamakal	1.92	7.5 to 10	7.5	266,000
29	254	Vijayapura	Vijayapura	Improvements and Asphalting Road From Chattaraki to Banthanal Via Vidyaapeetha in Sindagi Taluka of Vijayapur District	6.43	8 to 10 m	8 to 10 m	167,000
30	255	Mangalore	Dakshina Kannada	Bangerakere Iruvathur To Kavalkatte	3.92	7.5 to 10.00	7.5	371,000
31	259	Mangalore	Dakshina Kannada	Gadiyara Perlapu to Kadeshvalya	4.55	7.5 to 10.00	7.5	140,000
32	290	Mangalore	Dakshina Kannada	Balthila To Barimaru	3.29	7.5 to 10.00	7.5	140,000
33	295	Mangalore	Dakshina Kannada	Agaragandi Majalu To Gandhi Kottunja	2.89	7.5 to 10.00	7.5	140,000
34	299	Mysuru	Mysuru	Haradhanahalli to Basapura	3.9	10 to 12	10 to 12	216,000
35	306	Kalburgi	Kalburgi	Kodchi (SH-157) to Yalwar	4.63	10 to 12 m	10 to 12 m	521,000
36	307	Kalburgi	Kalburgi	Maradgi S.A To Mudbole B	4.65	10 to 12 m	10 to 12 m	311,000
37	309	Udupi	Udupi	Goddanakatte to Benegal road	3.51	6 to 8	6 to 8	230,000
38	329	Udupi	Udupi	Manjarapalke Bola to Jarqekatte Road	3	6 to 8	6 to 8	164,000
39	337	Uttara Kannada	Uttara Kannada	Dugadimane to Halageri-Siddapur Road (Padavanabail Bhutappankatte) Via Mattigar,Padavanabail in Siddapur Taluk	4.53	7.5	7.5	275,000
40	339	Koppal	Koppal	Improvements to road from Ryavanki to Bevoor SH	5.097	7.5 to 10	7.5	266,000
41	345	Mangalore	Dakshina Kannada	Mogra-Yaddoni road	3	6.0 to 7.00	7.5	149,000
42	351	Ballari	Ballari	Old Yerragudi to Ballari-Adoni main road	2.91	9m to 13m	9m to 13m	134,000
43	354	Mangalore	Dakshina Kannada	Jalakadakatte to Niddodi Road	4.57	7.5 to 10.00	7.5	149,000
44	358	Uttara Kannada	Uttara Kannada	Nayawada Khandalil Road In Karwar Taluk Uttara kannada District	2.71	7.5	7.5	314,000
45	361	Tumakuru	Tumakuru	Improvements to road from SH47 to Hanumanthapura Via Motihalli in C N Halli Taluk	4.23	6.5m to 7.5m	7.5m	446,000
46	382	Kolar	Kolar	Improvements of road from Addagal-Royalpad Road to (BC Road) SH via Kandevanipalli, Chirakoragalli, Mandvala	4.67	7.5 to 10	7.5	149,000
47	404	Chikkaballapura	Chikkaballapura	Nakkalahalli colony to Bychapura Via Nakkalahalli, Devaganahalli	5.72	11 to 12	11 to 12	116,000
48	405	Chikkaballapura	Chikkaballapura	Hirbidanuru road to NH via Chegatagere, H.Kurubarahalli, K.Kurubarahalli	4.75	11 to 12	11 to 12	371,000
49	409	Chikkaballapura	Chikkaballapura	Marganakunte to AP border via Pesalaparthi, Krishnapura, Kolivamoalli	10.31	11 to 12	11 to 12	116,000
50	417	Chikkaballapura	Chikkaballapura	Julapalya to T-03 via Balehosahalli, Kanampalli	9.61	11 to 12	11 to 12	371,000
51	422	Uttara Kannada	Uttara Kannada	Mastikatta to Kolgi Via Kendige + Bridge In Ankola Taluk Uttara kannada District	3	7.5	7.5	164,000
52	423	Mysuru	Mysuru	Hadya to Shettahalli	8.35	10 to 12	10 to 12	521,000
53	462	Chikkaballapura	Chikkaballapura	Peresandra to PS road via Basavanapathi, Kothandahalli, Hoovinavaralahalli, Bovihalli	11.375	11 to 12	11 to 12	371,000
54	501	Mangalore	Dakshina Kannada	Ikala Kambala To Patte Keredabettu Road	2	7.5 to 10.00	7.5	149,000
55	519	Udupi	Udupi	Shirva to Thandrapura via Mutlupady road (ShirvaNinioor - TJ0)	2.98	6 to 8	6 to 8	173,000
56	535	Mangalore	Dakshina Kannada	Masthikatte Batttrakodi to Hosabettu road	3.53	5.5 to 8.0	5.5 to 7.5	149,000
57	547	Udupi	Udupi	Golibettu to Katoteri via Yederi road	5.5	6 to 8	6 to 8	278,000
58	549	Uttara Kannada	Uttara Kannada	Halasikoppa to SH93(Kukkar) in Yellapur Taluk , Uttarakannada District	4.37	7.5	7.5	158,000
59	555	Uttara Kannada	Uttara Kannada	Adakalli Tattikai road to Hosagadde via Dombe,Adasar, Chillugadde road in Siddapura Taluka UK Dist	4.26	7.5	7.5	266,000
60	556	Udupi	Udupi	Kamblaqadhe (Mortu)to Airi road	3.62	6 to 8	6 to 8	239,000

61	563	Bidar	Bidar	Hirnagaon to Chiknagaon via Banjara Tanda	5.3	10 to 12m	10 to 12m	241,000
62	581	Mangalore	Dakshina Kannada	Kudkuli-Renjola -Kirlaya road	5.11	6.5 to 7.00	7.5	149,000
63	595	Uttara Kannada	Uttara Kannada	Somapur to Jayantinagar(NH52) in Yellapur Taluk, Uttarakannada District.	2.65	7.5	7.5	167,000
64	596	Kolar	Kolar	Improvements of road from Gullahalli - M. Hosahalli road to Muthanur via Chigeralur	2.35	7.5 to 10	7.5	149,000
65	641	Bidar	Bidar	BAGDAL TO HONNADI	4.57	10 to 12m	10 to 12m	308,000
66	650	Bengaluru (Urban)	Bengaluru (Urban)	Chandapura-Anekal(MDR) Road to SH-87 via Soppanhalli Kumbaranahalli	5.25	7m-8m	7.5m	179,750
67	655	Davanagere	Davanagere	Bangarakanagudda to Donnehally Via Hoasahatty	4.15	10-12	10-12	304,000
68	660	Ballari	Ballari	Ballari adoni main road to gonel	2.88	9m to 13m	9m to 13m	184,000
69	661	Davanagere	Davanagere	Hiremallanahole To Siddihally	2.49	10-12	10-12	217,000
70	700	Ballari	Ballari	Tolamamidi to rupanqudi main road	2.45	9m to 13m	9m to 13m	449,000
71	708	Bengaluru (Urban)	Bengaluru (Urban)	NRUTHYA GRAMA TO GUDDADAHALLI MAIN ROAD	2.058	7m-8m	7.5m	393,500
72	712	Bengaluru (Urban)	Bengaluru (Urban)	BYRAPURA TO KAKOLU	2.398	7m-8m	7.5m	393,500
73	727	Davanagere	Davanagere	V koracharahatti to Ragimasalavada road via Animegala thanda	3.585	10-12	10-12	232,000
74	748	Kolar	Kolar	Improvements of road from Bangarpet - Kanumanahalli Road to Balamande via Bhavanahalli(Buvanahalli), suriganahalli, Kadirenahalli, Battegowdanuru, Boyiluru, Balamande	5.57	7.5 to 10	7.5	139,000
75	753	Kolar	Kolar	Improvements of road from Huladenahalli to Rajenahalli -Thorakki Road via Adikarahatti	3.19	7.5 to 10	7.5	308,000
76	755	Davanagere	Davanagere	SH near Malebennur to Taluk border (Bannikodu) via Nittur	8.8	6.5	6.5	521,000
77	802	Davanagere	Davanagere	Thimmenahalli to Mukthenahalli	2	6.5	6.5	249,000
78	804	Davanagere	Davanagere	SH Near Masadi to Arakere MDR Via Belimallur	7.25	6.5	6.5	149,000
79	806	Mangalore	Dakshina Kannada	Sunkadakatte to Kombaru road	3.6	7.5 to 10.00	7.5 to 10.00	149,000
80	807	Mangalore	Dakshina Kannada	Ivarnadu to kochi road	3.5	6.5 to 7.5	7.5	149,000
81	808	Ballari	Ballari	Hosa Masidipura to korlagundi	5.14	9m to 13m	9m to 13m	359,000
82	822	Mangalore	Dakshina Kannada	Mavinakatte to Krandrapady road	2.8	7.5 to 9.00	7.5	239,000
83	827	Mangalore	Dakshina Kannada	Irde -Dumadka- Kunzimoole Road	4.73	7.50 to 10.00	7.50 to 10.00	371,000
84	828	Ballari	Ballari	Mallapura road to join Sirigeri Muddatnur road	3.28	9m to 13m	9m to 13m	218,000
85	833	Hassan	Hassan	Thimmalapura to Attavara Hosahalli (SH71) via Attavara and Mudigere.	5.75	9m to 13m	9m to 13m	467,000
86	835	Ballari	Vijayanagara	Kottur SH to Sangameshwara Via Kudithinamaggi	4.9	8 to 10	7.5	371,000
87	837	Mangalore	Dakshina Kannada	Jogimule-Vadya-Mithadka Road	3.83	7.50 to 9.00	7.50 to 9.00	125,000
88	838	Ballari	Vijayanagara	MDR to Kitnur Cross	2	8 to 10	7.5	116,000
89	892	Ballari	Ballari	Basavanna camp to Ibrahimpur	4.12	9m to 13m	9m to 13m	359,000
90	896	Mysuru	Mysuru	Improvements to road from Annur Gaddige road to Vishwakarma colony via Muskere	3.8	10 to 12	10 to 12	116,000
91	897	Chitradurga	Chitradurga	H D pura to Sri karekal temple Nandana hosuru Gollarahatti	2.43	7.5	7.5	149,000
92	913	Ballari	Ballari	Kuriganur to Mattesugur	3.75	9m to 13m	9m to 13m	308,000
93	914	Mandya	Mandya	Hottegowdanakoppalu to Huchakalegowdana koppalu via Muddinganakoppalu,Buradagunte	4.55	7.5 to 10.00	7.5	272,000
94	915	Shikaripura	Shivamogga	Improvements of road from Chennashettikoppa to sulagodu Sagara taluk shivamogga dist	3	8-10	8-10	219,666
95	917	Uttara Kannada	Uttara Kannada	Santegadde MDR to khandagar MDR via hegle In Kumta Taluk Uttara Kannada District	3.61	7.5	7.5	140,000
96	919	Mysuru	Mysuru	Improvements to road from Bachanambi to MDR Near Ramnathapura Terakanambi road (RT	2.82	10 to 12	10 to 12	371,000
97	925	Ballari	Ballari	Karur to Kuriganur	4.97	9m to 13m	9m to 13m	209,000

98	927	Davanagere	Davanagere	MDR near Gummanur to Halvarthy Via Hosalli Lambanihatti	4.11	7.5	7.5	249,000
99	932	Davanagere	Davanagere	NH near Hebbal to MDR near Kenchammanahalli via Hosalli Lambanihatti	3.6	6.5	6.5	249,000
100	943	Mandya	Mandya	Nagamangala -Devalapura SH to Devalapura Via Hombalekoppalu, Gollarahalli, Muttasandra.	4.87	7.5 to 10.00	7.5	149,000
101	950	Kolar	Kolar	Improvements of road from Bangarpet Kamasamudra Road (Paravanahalli) to	3.16	7.5 to 10	7.5	239,000
102	959	Uttara Kannada	Uttara Kannada	Kelagin Savale to Sirsi-Devanli Road Via Melin Savale in Sirsi Taluk U.K District	3.5	7.5	7.5	200,000
103	973	Chikkamagalur	Chikkamagalur	devarakodige to Narve hariharapura Joining Road Via kallumakki	2.1	8 to 10m	8 to 10m	173,000
104	977	Dharwad	Dharwad	Maradagi to tq border(Bhairidevarakoppa) in Dharwad taluk of Dharwad District	3.7	8.0 to 10.0	8.0 to 10.0	158,000
105	997		Haveri	Hirekabbur to Guddadamadapura via Maidur	5.5	8 to 10	7.5	116,000
106	1006	Uttara Kannada	Uttara Kannada	Bedeakkal halagod road joining MDR in Yellanur Taluk, Uttarakannada District.	2.98	7.5	7.5	296,000
107	1012	Mysuru	Mysuru	Doddavaddargudi to KR Nagara Taluk Border via.Harambhally	2.815	10 to 12	10 to 12	116,000
108	1016	Bidar	Bidar	Allamber - Chandapur MDR road to Yernalli via, Sangvi and Sidhapur	3.65	10 to 12m	10 to 12m	158,000
109	1019	Bidar	Bidar	Chondi to Allamber via Chondi Thanda, Mamdapur .	6.92	10 to 12m	10 to 12m	272,000
110	1033	Davanagere	Davanagere	MDR near Kuntapalanahalli to MDR near Hadadi	2.25	6.0	6	488,000
111	1038	Bidar	Bidar	Humnabad to Kallur Thanda	4.43	10 to 12m	10 to 12m	341,000
112	1040	Mangalore	Dakshina Kannada	Mundaje to Kayarthodi Road	3.85	7.5 to 10.00	7.5	371,000
113	1041	Mangalore	Dakshina Kannada	Bandaru Village perla Kurudange Nerolpalke Road	3.3	7.5 to 10.00	7.5	149,000
114	1043	Mangalore	Dakshina Kannada	Bangerakatta Nettare Nirlaje Road	4.41	7.5 to 10.00	7.5	149,000
115	1046	Mangalore	Dakshina Kannada	Narya Road Dondale Maya Road	3.15	7.5 to 10.00	7.5	371,000
116	1052	Mangalore	Dakshina Kannada	Puttila Bajakala Road	3.67	7.5 to 10.00	7.5	149,000
117	1054	Mangalore	Dakshina Kannada	Kaikamba Nadaje Kukkuri Road	4	7.5 to 10.00	7.5	239,000
118	1057	Mangalore	Dakshina Kannada	Aramane Bandi to Pupadikallu Road	4.28	7.5 to 10.00	7.5	149,000
119	1059	Mangalore	Dakshina Kannada	Paduperar korakambala kattalsar Road	2.52	7.5 to 10.00	7.5	149,000
120	1094	Haveri	Haveri	Hosaritti to Yalagach	4.83	8 to 10	7.5	371,000
121	1095	Hassan	Hassan	H.Mynahalli to SH	1.85	9m to 13m	9m to 13m	193,000
122	1108	Kolar	Kolar	Improvements of road from Bethamangala - MBL Road to Ramasagara Road via Bettakur,	3.9	7.5 to 10	7.5	149,000
123	1126	Kolar	Kolar	Improvements of road from K.V Road to gopenahalli Road via N G Hulkur, Seethampalli, Mallanahalli.	5.48	7.5 to 10	7.5	239,000
124	1136	Hassan	Hassan	Srirampura to Ibdane (NH) via Yelagondanahalli	3.78	9m to 13m	9m to 13m	458,000
125	1139	Uttara Kannada	Uttara Kannada	Konda kul cross road to Kodani panchayat Road Via Beranki in Honnavar taluk Uttara Kannada District.	3	7.5	7.5	140,000
126	1143	Mysuru	Mysuru	Thimakapura to Hosuru keremala via Chowthikoppalu in Periyapatna Taluk	5.1	10 to 12	10 to 12	371,000
127	1147	Tumakuru	Tumakuru	Improvements to road from Huccanahalli gate (MDR) to Chowlakatte (MDR) Via Huccanahalli	6.85	6.5m to 7.5m	7.5m	446,000
128	1148	Uttara Kannada	Uttara Kannada	Haliyal Dandeli road(SH28) to Vadoga MDR via Neeralaga in Haliyal Taluk, U.K district.	3.42	7.5	7.5	296,000
129	1152	Mysuru	Mysuru	Nandipura to Ramanathathunga Via Nandipura Bore in Periyapatna Taluk	3.995	10 to 12	10 to 12	371,000
130	1155	Uttara Kannada	Uttara Kannada	Kudalgav to Taluk Boundary(Amshet) via Malamba in Joida Taluk. U.K District.	9.6	7.5	7.5	173,000
131	1182	Hassan	Hassan	Beekanahalli to MDR Near Bramadevanahalli	2.09	9m to 13m	9m to 13m	293,000
132	1201	Haveri	Haveri	Ichanoi to Bailmadapur cross	4.55	8 to 10	7.5	116,000
133	1204	Kolar	Kolar	Improvements of road from Koladevi-Kuthandiahalli road to Harapanayakanahalli Road via Duggasandra,Tavarekere.	3.8	7.5 to 10	7.5	239,000
134	1206	Uttara Kannada	Uttara Kannada	Harwada to Belekeri Road In Ankola Taluk Uttara kannada District	4.25	7.5	7.5	167,000
135	1217	Kolar	Kolar	Improvements of road from K.V Road to K.V Road via Pooganahalli, Kadariganakuppe.	3.17	7.5 to 10	7.5	149,000
136	1231	Udupi	Udupi	Thakodibailu to Moodubettu via Moodubelle road	3.5	6 to 8	6 to 8	249,000
137	1252	Shivamogga	Shivamogga	NH-766 MADODI TO MDR MATHIKAI	3.31	7.5 to 10	7.5	149,000
138	1259	Chitradurga	Chitradurga	Kasavigondanahalli to Basapura via Katamadevarakote	9.43	7.5	7.5	182,000

139	1299	Koppal	Koppal	Chikkadankankal-Basaweshwar nagar-29th distributory camp-Tondihall road	6.95	7.5 to 10	7.5	266,000
140	1306	Mangalore	Dakshina Kannada	Nellikaru GP Borugudde to Jyothinagara Renjal Road	3.45	7.5 to 10.00	7.5	116,000
141	1328	Haveri	Haveri	Chikkakuravatti to Chikkaharalahalli	3.86	8 to 10	7.5	116,000
142	1330	Udupi	Udupi	Surebettu to Munkinajeddu road	3.67	6 to 8	6 to 8	173,000
143	1336	Mysuru	Mysuru	Ring road near sathagalli to Bannur road via Galaoarahundi	3.43	10 to 12	10 to 12	371,000
144	1341	Mysuru	Mysuru	Mavinahalli to dhanagalli via baradanapura, daripura	6.36	10 to 12	10 to 12	116,000
145	1361	Haveri	Haveri	Billahalli to Nittur via Harogoppa	5.46	8 to 10	7.5	116,000
146	1368	Mangalore	Dakshina Kannada	Kowdicharu-Mailakochi-Darbethadka road	2.43	7.50 to 9.00	7.50 to 9.00	140,000
147	1371	Udupi	Udupi	Bidkalkatte to Hunsemakki road	3.54	6 to 8	6 to 8	158,000
148	1372	Bagalkot	Bagalkot	Hirepadasalgi to Chikkapadasalgi-Adihudi Cross MDR via Kamble vasti road	5.15	8 to 10m	8 to 10m	263,000
149	1386	Uttara Kannada	Uttara Kannada	Salkod Road to Areangadi Via Kolape , Janakeri , Anneramankeri In Honnavara taluk Uttara Kannada District	3.66	7.5	7.5	149,000
150	1435	Uttara Kannada	Uttara Kannada	Korlikhan to Bellur Road Via Midla , Shiranikeri in Bhatkal taluk Uttara Kannada District	2.5	7.5	7.5	134,000
151	1446	Hassan	Hassan	Vatehalli (SH) to MDR Via Hosamane, Gujjanahalli, Heggadde	4.14	9m to 13m	9m to 13m	358,000
152	1450	Hassan	Hassan	Dolanamane to Malliganuru via Bellavara	2.7	9m to 13m	9m to 13m	318,000
153	1455	Shikaripura	Shivamogga	Improvements of road from Soraba main road to guduginakoppa and sirinayakanakoppa road in Soraba taluk shivamogga dist	1.5	8-10	8-10	219,666
154	1465	Bengaluru Rural	Bengaluru Rural	Dandiganahally MDR to Ranganathapura palyagara via Doddamuddenahalli, Rodalli , Godlu muddenahalli	4.56	5-7	7-8 m	346,000
155	1498	Shikaripura	Shivamogga	Improvements of road from Hythur to Hebbbarige via soppinamalle in Sagara taluk Shivamogga Dist	2	8-10	8-10	180,500
156	1520	Uttara Kannada	Uttara Kannada	Basapura to Pedar oni via Nandikatta,Ramapur In Mundagod Taluk, UttaraKannada District.	4.29	7.5	7.5	296,000
157	1521	Uttara Kannada	Uttara Kannada	Hunagunda to Attiveri Doddli via Attiveri, Gouliaraddadi in Mundagod Taluk, Uttara Kannada District.	4.79	7.5	7.5	140,000
158	1526	Mysuru	Mysuru	Kadavekattehundi to Hosahally via Mahadevicolony	4.665	10 to 12	10 to 12	371,000
159	1531	Kalburgi	Kalburgi	Haliyal tanda to NH 150E (Afzalpur-Dudni Road)	2.36	10 to 12 m	10 to 12 m	311,000
160	1537	Chitradurga	Chitradurga	SH 150A Hanemabehranany gate to Lambanhatta via	2.03	7.5	7.5	149,000
161	1538	Kalburgi	Kalburgi	Jogur to Hasaragundagi	3.96	10 to 12 m	10 to 12 m	311,000
162	1540	Davanagere	Davanagere	Chilur Kadadakatte to Vaderahathur Thanda	2.5	6.5	6.5	249,000
163	1541	Udupi	Udupi	Shedimane proper to Thombottu link road	1.59	6 to 8	6 to 8	164,000
164	1549	Udupi	Udupi	Molahalli Kaikere cross to Maratthur school road	5.05	6 to 8	6 to 8	278,000
165	1551	Udupi	Udupi	Nandroli to Marana katte Hosur Road	3.73	6 to 8	6 to 8	140,000
166	1552	Udupi	Udupi	Shedimane to Bepde Madamakki road	2.9	6 to 8	6 to 8	239,000
167	1568	Chikkamagalur	Chikkamagalur	Susalvani To Gulladamane Via Gerubyu Road	6.04	8 to 10m	8 to 10m	446,000
168	1573	Chikkamagalur	Chikkamagalur	Ganapatihi katte to Kolale via Aduvalli road	3.01	8 to 10m	8 to 10m	446,000
169	1592	Tumakuru	Tumakuru	Yachaghatta to T-01	4.17	7.5m-10m	7.5m	164,000
170	1612	Mangalore	Dakshina Kannada	Kabaka-kodippadi-Ojala-Berike road	3.85	7.50 to 9.00	7.50 to 9.00	140,000
171	1620	Vijayapura	Vijayapura	Nalatawad to Kapanur	6.7	8 to 10 m	8 to 10 m	366,000
172	1643	Mangalore	Dakshina Kannada	Sampya-Pelathadi-Olathadka road	3.04	7.50 to 8.00	7.50 to 8.00	140,000
173	1644	Belagavi	Belagavi	Improvements to road Awargol to Kotabagi road	5.8	10 to 12m	8-10 km	149,000
174	1647	Shikaripura	Shivamogga	Improvements of road from Harishi vidyanagara to nelluru-Kodambi road in Soraba taluk shivamogga dist	4.76	8-10	8-10	219,666

175	1656	Belagavi	Belagavi	Improvements to road from Shippur to Mattiwad Road	4.3	10 to 12m	8-10 km	215,000
176	1659	Chitradurga	Chitradurga	Apparasanahalli to Arasanaghatta	3.855	7.5	7.5	272,000
177	1662	Hassan	Hassan	Hanoal to Ankanahalli via Dollenahalli	2.66	9m to 13m	9m to 13m	467,000
178	1663	Kolar	Kolar	Improvements of road from Devarayasamudra to Avani MDR via Tattanakunte.	3.28	7.5 to 10	7.5	327,000
179	1694	Belagavi	Belagavi	Improvements to road from Kerur Bana to Chikodi-Jodakurali Road via Khinnavar, Patil vasti	5	9 to 12m	9 to 12m	149,000
180	1700	Belagavi	Belagavi	Improvements Road From Mugawade Cross To Kabanali Road	2.98	10 to 12m	8-10 km	134,000
181	1702	Belagavi	Belagavi	Improvements to road from Pangeri B to Shendur Killedar vasti via Shendur	5.78	8-10 km	8-10 km	149,000
182	1707	Bengaluru Rural	Bengaluru (Rural)	CTR Road to Taluk Border via Alur Duddanahally, Sunnagatta, Bannimangala	7.5	6.5m-7.5m	7-8 m	307,500
183	1718	Bengaluru Rural	Bengaluru (Rural)	NH-207 to Kamblipura via., Vabasandra, Sonnahallipura, Kemapapura	4.75	6.5m-7.5m	8.1m	199,000
184	1740	Belagavi	Belagavi	Improvements Road From Gastolli to Join SH 93 Belagavi-sirsi road	2.78	10 to 12m	8-10 km	149,000
185	1741	Udupi	Udupi	Nada Sornakodlu to Badakere proper road	5.53	6 to 8	6 to 8	149,000
186	1782	Belagavi	Belagavi	Improvements Road From Chunchawad to Kakkeri	3.1	10 to 12m	8-10 km	239,000
187	1793	Belagavi	Belagavi	Improvements Road From Vadagaon Mahaveer nagar To Raihamsagad	2.1	8-10 km	7	372,000
188	1813	Belagavi	Belagavi	Improvements to Road Hidakal to MDR (Raibag-Haruger) via Ghandi Nagar	4.66	9 to 12m	9 to 12m	173,000
189	1817	Bangalore rural	Ramanagara	CHAKANAHALLI SUNDAGATTA ROAD TO KERALALUSANDRA VIA KADUVKERE DODDI	3.2	5-7 m	7.5 m	272,000
190	1818	Bangalore rural	Ramanagara	MARIGOWDANADODDI TO AREKOPPA VIA UYAMBALLIDODDI, SHIVANE GOWDANADODDI	2.34	5-7 m	7.5 m	182,000
191	1819	Bangalore rural	Ramanagara	KEBBEHALLI TO HONNIGANAHALLI	3.09	5-7 m	7.5 m	182,000
192	1826	Belagavi	Belagavi	Improvements to Road from Indira Nagar to TO9 Road	1.12	10 to 12m	8-10 km	149,000
193	1832	Belagavi	Belagavi	Improvements to Road from Bagamal Laxmi Nagar to Join SH Road	2.89	10 to 12m	8-10 km	149,000
194	1842	Belagavi	Belagavi	Improvements Road From Kalmeshwar Nagar To June Belagavi	3.5	8-10 km	7.00	182,000
195	1843	Mangalore	Dakshina kannada	Kompadavau botalayi uliya road	2	7.5 to 10.00	7.5	116,000
196	1860	Uttara Kannada	Uttara Kannada	Premnagar(kirwatti) to Mangyantavageri In Yellanur Taluk, Uttara Kannada district.	4.02	7.5	7.5	149,000
197	1870	Chitradurga	Chitradurga	MH-Road to Mengasandra via Kainadu	4.59	7.5	7.5	239,000
198	1873	Shivamogga	Shivamogga	Rechikoppa-Ragihosalli road to kumshi (NH-69)	3.12	7.5 to 10	7.5	323,000
199	1877	Chitradurga	Chitradurga	Nagenahalli to Chinnapura via Nagenahalli gate	2.675	7.5	7.5	149,000
200	1887	Shivamogga	Shivamogga	Harannahalli (SH-26) to Vitagondanakoppa via Kesavinakatte	1	7.5 to 10	7.5	149,000
201	1890	Chitradurga	Chitradurga	Udevu to Bandethimlapura	6.9	7.5	7.5	305,000
202	1893	Mangalore	Dakshina Kannada	Tenkamijaru GP Kayar Muger to Ashwathpura	4.07	7.5 to 10.00	7.5	149,000
203	1927	Uttara Kannada	Uttara Kannada	Kakkalli, Vanalli, Samagadde, Sonagimane road in Sirsi taluka UK Dist	6.71	7.5	7.5	140,000
204	1928	Uttara Kannada	Uttara Kannada	Sirsi-Dodnalli road to Sirsi-Husari road Via Byagadde, Melina Byagadde in Sirsi Taluk.U.K District	4.7	7.5	7.5	218,000
205	1931	Raichur	Raichur	Construction of road from Ganmoor to Chandarbanda	3.44	7 TO 7.5M	7 TO 7.5M	149,000
206	1952	Uttara Kannada	Uttara Kannada	Kelagin Keri to SH 48 Via Konalli , Kengeri ,Hebble hitlu ,Dadumane Keri,Ganigar gadde In Kumta Taluk Uttara Kannada District	2.2	7.5	7.5	176,000
207	1958	Shikaripura	Shivamogga	Improvements of road from Mulkere to Maisavi Road in Sagara taluk Shivamogga Dist	1.5	8-10	8-10	219,666
208	1960	Udupi	Udupi	Hadimane Belanje to Gardarbettu via Halekudlu road	2.46	6 to 8	6 to 8	164,000
209	1972	Bagalkot	Bagalkot	Yadahalli to Kamata Road	6.19	8 to 10m	8 to 10m	149,000
210	1975	Kolar	Kolar	Improvements of road from Bangarpet - V Kota SH to Doddachinnahalli Road via Chinnakote, Devaganahalli, Atianahalli	4.43	7.5 to 10	7.5	287,000
211	2001	Dharwad	Dharwad	Yaraguppi to SH near Yarinaryanapur in Kundool taluk of Dharwad District	2.65	8.0 to 10.0	8.0 to 10.0	191,000
212	2029	Belagavi	Belagavi	Improvements Road from Sambara to Aste	1.8	10 to 12m	8-10 km	149,000
213	2031	Sira	Tumakuru	Improvements to Road from Rajavanti to Krishnagin Cross via Chikanavakanahalli,veerlaaondli,Kannamed	8.87	7.5m-12m	7.50-10m	421,000
214	2036	Hassan	Hassan	Halebelagola Gate to Sorehalli via Halebelagola, Parama	2	9m to 13m	9m to 13m	134,000
215	2085	Bagalkot	Bagalkot	Belagali to Jagadal Navalagi Road Upto TQ Border	3.43	8 to 10m	8 to 10m	372,000
216	2100	Belagavi	Belagavi	Improvements to Road Morab To Marki Tota	3.51	9 to 12m	9 to 12m	272,000
217	2106	Bagalkot	Bagalkot	Teggi to Ballur Shed (Inam Hanchinal) Road	3.45	8 to 10m	8 to 10m	173,000
218	2124	Uttara Kannada	Uttara Kannada	Jamgod to Goudarkeri Bolekoppa Via Khangadde In Ankola Taluk Uttara kannada District	2.6	7.5	7.5	149,000
219	2126	Belagavi	Belagavi	Improvements to Road Jakaratti to Madabhavi via Vishnuwadi	5.33	9 to 12m	9 to 12m	158,000
220	2143	Bengaluru Rural	Bengaluru Rural	S. Gollahalli MDR to Chennaveeranahalli MDR via Sankarasanahalli, Thambenahalli, Naagalaoura, Kadalappaanahalli	5.3	6.0m to 7.5m	8.1m	331,000
221	2160	Bagalkot	Bagalkot	Siddapur to Kulali Road Upto Taluka Border	5.18	8 to 10m	8 to 10m	173,000
222	2185	Belagavi	Belagavi	Improvements to Road Kokatanur to NH-548B via Khotanatti	4.99	9 to 10m	9 to 10m	158,000
223	2202	Mangalore	Dakshina Kannada	Ujarpade-Kurudakatte-Garadi road	4.13	7.50 to 10.00	7.50 to 10.00	140,000
224	2209	Chitradurga	Chitradurga	Musandihal to NH -13	6.255	7.5	7.5	272,000
225	2214	Shikaripura	Shivamogga	Improvements of road from Varaha main road to kadenandihalli road in Shikaripura taluk Shivamogga Dist	2.62	8-10	8-10	204,666
226	2216	Mysuru	Chamarajanagara	Improvements to Road from Hithalagudda to BRHills Road via Malledevanahalli	5.31	10 to 12m	10 to 12m	471,000
227	2217	Shivamogga	Shivamogga	NH-69 near cancer Hospital To Honnavile Via Bidre	2.32	7.5 to 10	7.5	158,000
228	2229	Uttara Kannada	Uttara Kannada	Kharwa Cross to Sindoor in Honnavar taluk Uttara Kannada District	2.2	7.5	7.5	149,000
229	2238	Haveri	Haveri	Hiremanakatti to Chikkabendigeri MDR via Belagali	3.48	8 to 10	7.5	116,000
230	2250	Uttara Kannada	Uttara Kannada	Kundalli Marakal road In Ankola Taluk Uttara kannada District	4.65	7.5	7.5	239,000
231	2251	Uttara Kannada	Uttara Kannada	Mahila Mandal Edagudda Khandigadde motigudda road In Ankola Taluk Uttara kannada District	4.98	7.5	7.5	116,000
232	2253	Udupi	Udupi	Halekatte Kalya to Bajakala road	2.01	6 to 8	6 to 8	164,000
233	2265	Bagalkot	Bagalkot	NH 51 To jion Nidasanur Via Amaravati Binjawadaai Gattiganur	10.49	8 to 10m	8 to 10m	405,000
234	2266	Tumakuru	Tumakuru	Improvements to Road from SH-94 Road to Thimmasandra-Huluvangala Road via Thimmanavakanahalli	1.26	7.5m-10m	7.5m	182,000
235	2276	Bidar	Bidar	Belkoni (BH) to SH 122 via Bopalgad malegaon	3.915	10 to 12m	10 to 12m	446,000
236	2279	Kalaburagi	Yadgir	Anwar to T Wadagera via Hayyal K	6.59	7.5 to 9	7.5 to 9	223,000

237	2289	Kalaburagi	Yadgir	Chapetla to MT Palli	5.91	7.5 to 9	7.5 to 9	413,000
238	2301	Haveri	Haveri	Hesarur to Doddur road upto TB	3.42	8 to 10	7.5	116,000
239	2308	Vijayapura	Vijayapura	Sanapur H to Katral Road	5.03	8 to 10 m	8 to 10 m	173,000
240	2314	Udupi	Udupi	Pragathi Nagara Alevoor thanda to Karvalu road	3.22	6 to 8	6 to 8	182,000
241	2316	Hassan	Hassan	Hirase-Didaga Road (P.Hosahalli) to Taluk Border via Mudibetta Kaval	2	9m to 13m	9m to 13m	299,000
242	2324	Shivamogga	Shivamogga	Sutkotte To Yaduvala Via Rattehalli	2.1	7.5 to 10	7.5	521,000
243	2337	Bagalkot	Bagalkot	Chimmad to Handigund Road Upto TQ Border	4.14	8 to 10m	8 to 10m	167,000
244	2363	Haveri	Haveri	Angargatti to Ramagundenahalli via Hire	6.31	8 to 10	7.5	371,000
245	2368	Hassan	Hassan	Uttenahalli to Devaralli gate via jinnenahalli -	2.08	9m to 13m	9m to 13m	259,000
246	2383	Belagavi	Belagavi	Improvements to Road from Kabbur to Belagali	5.1	9 to 12m	9 to 12m	158,000
247	2385	Uttara Kannada	Uttara Kannada	Ammanakoppa to Kumbakatti via Gadiyal in	1.5	7.5	7.5	149,000
248	2425	Belagavi	Belagavi	Improvements to Road from Naganur Ambabai	3	9 to 12m	9 to 12m	296,000
249	2431	Raichur	Raichur	Benchmardi road to Maski via Sanabai	9.43	9m to 13m	9m to 13m	458,000
250	2436	Kalburgi	Kalburgi	Mahaogan to Mahaogan Wadi	4.55	10 to 12 m	10 to 12 m	521,000
251	2438	Shikaripura	Shivamogga	Improvements of road from SH 25 To SH 25	2.8	8-10	8-10	219,666
252	2439	Shikaripura	Shivamogga	Improvements of road from Halugudde to	2.8	8-10	8-10	204,666
253	2442	Raichur	Raichur	Galag Main Road to Jalmardi	3.47	7.5	7.5	265,000
254	2452	Uttara Kannada	Uttara Kannada	NH -766 to Yana Road Via Kabbargi In Kumta	3	7.5	7.5	149,000
255	2466	Chitradurga	Chitradurga	Sanikere-Kaparahally Road to Narayanapura via	2.665	7.5	7.5	149,000
256	2486	Kalaburagi	Yadgir	MDR TO SONNAPUR SANNA TANDA VIA	4.9	7.5 to 8.5	7.5 to 8.5	223,000
257	2492	Kolar	Kolar	Improvements of road from Dimba to	4.3	7.5 to 10	7.5	149,000
258	2494	Mysuru	Chamarajan	Improvements to Road from Kuderu Cross to	6.1	10 to 12m	10 to 12m	476,000
259	2502	Kalaburagi	Yadgir	Rajankollur To Geddalmari Cross via Rajawal,	8.24	7.5 to 8.5	7.5 to 8.5	446,000
260	2503	Mysuru	Chamarajan	Improvements to Road from Belatha to	4	10 to 12m	10 to 12m	166,000
261	2516	Tumakuru	Tumakuru	Improvements to Road from Byranayakanahalli	3.41	5.5m-7.5m	7.5m	304,000
262	2529	Raichur	Raichur	Bvaqwatt to Tadkal - Tadkal Camp Road	5.76	9m to 13m	9m to 13m	193,000
263	2533	Tumakuru	Tumakuru	Improvements to road from Nonavinakere-	5.51	6.0m-7.5m	7.5m	404,000
264	2536	Mysuru	Chamarajan	Improvements to Road from Arabegere to	6.96	10 to 12m	10 to 12m	371,000
265	2538	Mysuru	Chamarajan	Improvements to Road from Karachidoddi to	6.33	10 to 12m	10 to 12m	166,000
266	2540	Mysuru	Chamarajan	Improvements to Road from Marur to Ponnachi	3.08	10 to 12m	10 to 12m	166,000
267	2543	Mysuru	Chamarajan	Improvements to Road from Martalli to	4.35	10 to 12m	10 to 12m	166,000
268	2544	Tumakuru	Tumakuru	Improvements to Road from YT Road to MDR	3.86	6.0m-7.5m	7.5m	314,000
269	2554	Udupi	Udupi	Amrakailu (Yelanthur)to Surgoli road	1.5	6 to 8	6 to 8	239,000
270	2555	Udupi	Udupi	Naduru to Hanehalli house site (Kaduru)road	1.75	6 to 8	6 to 8	155,000
271	2558	Shivamogga	Shivamogga	SH115 (K K Road) to Hossa Chandanakere Via	4.38	7.5 to 10	7.5	239,000
272	2567	Chikkamagalur	Chikkamaga	Haliyooru To Samathala Road	3.13	8 to 10m	8 to 10m	164,000
273	2575	Belagavi	Belagavi	Improvements to Road from Vijaynagar to	2.69	8-10 km	8-10 km	149,000
274	2576	Shivamogga	Shivamogga	SH65 Hiriyuru To Kalankatte MDR Via Halle	8.47	7.5 to 10	7.5	272,000
275	2599	Raichur	Raichur	Hireheridihal to Piklhal via Bannigol	9.44	9m to 13m	9m to 13m	408,000
276	2611	Shikaripura	Shivamogga	Improvements of road from Bandaikere to	2.8	8-10	8-10	219,666
277	2621	Uttara Kannada	Uttara Kannada	SH-46 to SH-93(Kyadagikere) via Timmapur in	2.71	7.5	7.5	296,000
278	2624	Shivamogga	Shivamogga	Thavargatta Road(MDR) To Garrage Camp Via	5.48	7.5 to 10	7.5	149,000
279	2628	Shivamogga	Shivamogga	SH57 Near Rambhapuri Colony To SH57 Near	2.024	7.5 to 10	7.5	149,000
280	2639	Kalburgi	Kalburgi	Allur (K) to Ramthirth Via Ramthirth Tanda	3	10 to 12 m	10 to 12 m	311,000
281	2690	Uttara Kannada	Uttara Kannada	Halagar to Santeguli via Hindbail In Kumta	2.46	7.5	7.5	176,000
282	2711	Uttara Kannada	Uttara Kannada	NH-206 to Tumbolli Marathikeri in Honnavar	1.5	7.5	7.5	149,000
283	2718	Mangalore	Dakshina	Vogga(Damodarapalke) to Vamadhapadavu	2.35	7.5 to	7.5	140,000
284	2726	Uttara Kannada	Uttara Kannada	Toregazani to SH 143 via naranapur in kumta	1	7.5	7.5	254,000
285	2738	Shivamogga	Shivamogga	Ryave to T - 09 (Doddabaine To near	4	7.5 to 10	7.5	258,000
286	2739	Shivamogga	Shivamogga	Kesaremane (MDR) To Nulageri Via Baise (Baise	3.51	7.5 to 17	7.5	313,000
287	2757	Chikkamagalur	Chikkamaga	Lakkavalli to Doddakunduru via Uppar	4.7	8 to 10m	8 to 10m	473,000
288	2759	Uttara Kannada	Uttara Kannada	MDR Janatha colony to Hode via muslimkeri,	4.28	7.5	7.5	254,000
289	2798	Chikkamagaluru	Chikkamaga	Ajjampur to Naranapur-hebbur road via	5.98	8 to 10m	8 to 10m	446,000
290	2812	Davanagere	Davanagere	NH48 near Davanagere to Chandranahalli via	6.95	6	6	249,000
291	2825	Davanagere	Davanagere	Kadajji to Taluk Border(Voddinahalli)	3.96	6.5	6.5	149,000
292	2828	Davanagere	Davanagere	Avaragolla to MDR Near Kakkaragolla	4.375	6.0-7.5	7	488,000
293	2838	Hassan	Hassan	Aladahalli to Bagdalu via Matra (Mathra)	4.48	9m to 13m	9m to 13m	309,000
294	2845	Chitradurga	Chitradurga	Tandaga to Taluk Border (Panchanahalli) via	3.74	7.5	7.5	149,000
295	2846	Chitradurga	Chitradurga	Srirampura to Goolihalli	1.669	7.5	7.5	149,000
296	2852	Chitradurga	Chitradurga	Kunikere to Kurubarahalli	5.29	7.5	7.5	149,000
297	2856	Chitradurga	Chitradurga	Burujnaroppa to HD Pura Road (MDR) Via	2.91	7.5	7.5	149,000
298	2861	Udupi	Udupi	Kolalagiri to Havanje via Kilanje road	3.14	6 to 8	6 to 8	363,000
299	2877	Mysuru	Mysuru	Improvements to road from Chikkakereyuru to	2.63	10 to 12	10 to 12	371,000
300	2886	Hassan	Hassan	Shanka to NH 373 via Shankadahosahalli	3.4	9m to 13m	9m to 13m	284,000
301	2892	Udupi	Udupi	Palli to Ranganapalke via Chitrabail road	4	6 to 8	6 to 8	173,000
302	2893	Udupi	Udupi	Kampana to Kepuli road	1.35	6 to 8	6 to 8	173,000
303	2894	Hassan	Hassan	MDR to MDR via Kindipura, Nanjedevrakaval	3.12	9m to 13m	9m to 13m	284,000
304	2910	Udupi	Udupi	Deputte Alekuru to Kurpady road	2.53	6 to 8	6 to 8	263,000
305	2912	Mandya	Mandya	Aruvanahally to Thoppannahally via	3.8	7.5 to 10.00	7.5	401,000

306	2919	Mandya	Mandya	Kadaluru to Athaguru via Chinnadoddi, Kuridoddi	2.405	7.5 to 10.00	7.5	262,000
307	2921	Vijayapura	Vijayapura	Improvements to Road From Kudaragond Village to Yalagod Village in Devar Hipparagi Taluka of Vijayanur District	4.09	7.5 to 10m	7.5 to 10m	191,000
308	2923	Vijayapura	Vijayapura	Improvements to Road From Korawar Village to Mallal Village in Devar Hipparagi Taluka of Vijayapur District	4.6	7.5 to 10m	7.5 to 10m	191,000
309	2948	Mandya	Mandya	Themenahally to SH road in K R Pet Taluk	1.98	7.5 to 10.00	7.5	353,000
310	2954	Chitradurga	Chitradurga	Eshwaragere to Venakalluodda	6.025	7.5	7.5	272,000
311	2958	Kolar	Kolar	Improvements of road from NH-75 to Kolar-Malur MDR Via Cheluvanahalli	2.82	7.5 to 10	7.5	149,000
312	2972	Tumakuru	Tumakuru	Improvements to Road from Naduvahalli to Kyamasandra via Hosur in Turuvekere Taluk.	4.8	6.5m to 7.5m	7.5m	149,000
313	2978	Chikkamagalur	Chikkamagalur	Balekhan Estate to Yadur	2.89	8 to 10m	8 to 10m	182,000
314	2981	Chitradurga	Chitradurga	K.K Road - Suranahally gate to Chowluru	3.64	7.5	7.5	149,000
315	2982	Chitradurga	Chitradurga	Kadabanakatte Mysarahetty to Doddagatta Gangayanahatti Road via Hirekere Kaval	6.445	7.5	7.5	272,000
316	2994	Uttara Kannada	Uttara Kannada	Shikar Ilkar Road Via Mudgarkeri, Mangatakanker road In Honnavara taluk Uttara Kannada District	2.85	7.5	7.5	149,000
317	2998	Tumakuru	Tumakuru	MDR to Tumakuru Border Via Kattapalya Channayyanapalya Kunberaiahnapalya	3.69	7.5m-10m	7.5m	296,000
318	3000	Mangalore	Dakshina Kannada	Kollaramajalu-Montugoli-Kamblapadavu Road	2.89	7.50 to 10.00	7.5	149,000
319	3001	Tumakuru	Tumakuru	Pavasandra to Hosuru	3.02	7.5m-10m	7.5m	167,000
320	3033	Davanagere	Davanagere	SH -151 to Jagaluru taluk border via Kasavanahalli	4.12	10-12	10-12	331,000
321	3044	Bengaluru (Urban)	Bengaluru (Urban)	SH-85 (MAGADI MAIN ROAD) TO BANGALORE SOUTH BORDER VIA HONNAGAHATTI	1.728	7m-8m	7.5m	351,000
322	3064	Tumakuru	Tumakuru	Tamdihalli Cross to Jolamaranahalli Via Thamadihalli	2.56	7.5m-10m	7.5m	149,000
323	3070	Tumakuru	Tumakuru	Hirehalli to Nelamangala Border Via Haraluru Baichapura Rvtharapalya	7.76	7.5m-10m	7.5m	149,000
324	3083	Tumakuru	Tumakuru	K Honnamachanahalli to Sondekoppa Via Balekatte Gajjanapalya Hosapalaya Puttalanahalya	6.4	7.5m-10m	7.5m	191,000
325	3088	Chikkamagalur	Chikkamagalur	Boochenahalli kaval to Belavadi Road	4.04	8 to 10m	8 to 10m	521,000
326	3092	Dharwad	Dharwad	Bogenagarkoppa to Kamadhenu in Kalagtagi taluk of Dharwad District	4	8.0 to 10.0	8.0 to 10.0	173,000
327	3093	Dharwad	Dharwad	Arebasavanakoppa to Guledkoppa (upto tq border) via Hesarambi in Kalagtagi taluk of Dharwad District	5.37	8.0 to 10.0	8.0 to 10.0	182,000
328	3094	Dharwad	Dharwad	Veerapur to Kambarganvi in Kalagtagi taluk of Dharwad District	5.7	8.0 to 10.0	8.0 to 10.0	248,000
329	3099	Raichur	Raichur	Kyadigera to AG Colony	5.5	7.5	7.5	422,000
330	3127	Raichur	Raichur	Bevinbenchi road to Karekal cross via Rangapur	4.03	7 TO 7.5M	7 TO 7.5M	149,000
331	3129	Raichur	Raichur	Jalihal to Ghandinagar	3.11	9m to 13m	9m to 13m	293,000
332	3131	Davanagere	Davanagere	Udayapura to Shingrihalli dodda thanda via Shingrihalli sanna thanda	2.893	5.5-6	5.5-6	190,000
333	3148	Mangalore	Kodagu	Kannangala Guhya School Road to Siddapura Main Road	3.5	7.50 Mts	7.50 Mts	421,000
334	3152	Mangalore	Dakshina Kannada	Kaje-Bellipady school-Rai estate Bellipady cross road	4.47	7.50 to 9.00	7.50 to 9.00	140,000
335	3161	Bidar	Bidar	Dharajwadi tanda to SH 34	2.8	10 to 12m	10 to 12m	422,000
336	3163	Bidar	Bidar	Mehkar to Naradas Sangama (Upto MDR) via Bolegaon	8.55	10 to 12m	10 to 12m	308,000
337	3168	Tumakuru	Tumakuru	NH 206 to Adalgere Cross Via Sagarnahalli	2.68	7.5m-10m	7.5m	339,000
338	3169	Tumakuru	Tumakuru	K G Temple Sirivara Road to S Kodihalli	2.15	5-6	7.5 m	149,000
339	3172	Tumakuru	Tumakuru	Chikkakunnala to V.Kodihalli Via D Kunala AKC Kambalhanahalya	3.21	5-7	7.5 m	289,000
340	3173	Shikaripura	Shivamogga	Improvements of road from Nichadi ti Chikkabilagunji Shree Kamaleshwara temple road in Sagara taluk Shivamogga Dist	1.9	8-10	8-10	254,000
341	3177	Tumakuru	Tumakuru	Galaga to T 06	2.7	5-6	7.5 m	389,000
342	3179	Tumakuru	Tumakuru	K G Temple to Jeeganahalli Via Chakenahalli	2.56	5-8	7.5 m	149,000
343	3181	Uttara Kannada	Uttara Kannada	Rayapattan to Garadolli(MDR) in Haliyal Taluk, U.K District.	3.17	7.5	7.5	296,000
344	3186	Chikkaballapura	Chikkaballapura	Dibburalli(MDR) to Chelur-MDR via Papathimananahalli, Gabbinayana voddu, Nandanavana, Mittahalli	10.02	11 to 12	11 to 12	371,000
345	3189	Mangalore	Dakshina Kannada	Golithadi to Sabaluru road	3.39	7.5 to 10.00	7.5 to 10.00	116,000
346	3190	Raichur	Raichur	Kallur to Dinni	6.21	9m to 13m	9m to 13m	143,000
347	3212	Koppal	Koppal	Improvements to road from Chilakamuki to Chamalapur upto MDR road Vai Gosaladoddi	4.488	7.5 to 10	7.5	308,000
348	3254	Uttara Kannada	Uttara Kannada	Malenalli to T-08 (Belale to Sirsi yallapur road via malenalli) in Sirsi Taluka UK District	5.01	7.5	7.5	140,000
349	3257	Ballari	Ballari	VADHATTI CROSS TO VADHATTI	2.81	9m to 13m	9m to 13m	268,000
350	3270	Ballari	Ballari	Yemmiguanuru to quttiganuru	7.82	9m to 13m	9m to 13m	467,000
351	3285	Bidar	Bidar	MANDAKNALLI TO MANDAKNALLI THANDA	3.06	10 to 12m	10 to 12m	223,000
352	3290	Bidar	Bidar	MANDAKNALLI TO KASHAMPUR(P) VIA MALIK MIRZAPUR	4.95	10 to 12m	10 to 12m	422,000
353	3302	Koppal	Koppal	Imporvements to road from Makkalli to Vairabandi SH Vai Salabhavi	3.5	7.5 to 10	7.5	521,000
354	3309	Chikkamagalur	Chikkamagalur	Kogre to Bettadakolalu via Anumane Road	3.32	8 to 10m	8 to 10m	173,000
355	3313	Baalkot	Baalkot	Shirol To Join SH 34	3.24	8 to 10m	8 to 10m	249,000
356	3327	Koppal	Koppal	Imporvements to road from Balageri to Yadiyapur	2.826	7.5 to 10	7.5	266,000
357	3342	Bidar	Bidar	Nagmarpalli to Chintaki Via Raipalli	7.59	10 to 12m	10 to 12m	341,000
358	3343	Raichur	Raichur	Gonwar to SH-128 Hedignal cross	7	9m to 13m	9m to 13m	417,000
359	3354	Ballari	Ballari	Suravanahalli to Taluka Border (jarmali cross)	4	7.5	7.5	158,000
360	3381	Ballari	Vijayanagar	Hosa Malapanagudi to kaddirampura thanda	4.11	7.5	7.5	239,000
361	3393	Baalkot	Baalkot	Hadaagalli To Timmapur	5.23	8 to 10m	8 to 10m	282,000
362	3424	Udupi	Udupi	Mudrady to Adka road (Mudrady pete to Ballady Kolapady Ch 0.00 to 4.05km and Eshwara nagara to Varanga Adka cross road @ Ch 1.30km	4.5	6 to 8	6 to 8	173,000
363	3425	Ballari	Vijayanagara	Arodhi to SH02	3.415	8 to 10	7.5	116,000
364	3427	Hassan	Hassan	Kodihalli to Taluk Border via Thippalapura	2	9m to 13m	9m to 13m	284,000
365	3440	Ballari	Vijayanagara	Siddapura to Jummobanahalli-Hosahalli Road	3.48	8 to 10	7.5	371,000
366	3442	Ballari	Vijayanagara	NH50 to MDR via Boragatti	2.43	8 to 10	7.5	116,000

367	3452	Belagavi	Belagavi	Improvements to Road Suttati cross (SH-53) To Siddapur via Paramanandwadi, Khemalapur	7.39	9 to 12m	9 to 12m	158,000
368	3469	Kolar	Kolara	Improvements of road from Kolar- Chikkaballapura Road to NH-75 Via Andrahalli, Suluu, Chokkapura,Horakere,Kendatti Gollahalli,Madivala, Kendatti	5.42	7.5 to 10	7.5	149,000
369	3487	Ballari	Vijayanagara	Kottur Harapanahalli SH to Jolada Kudligi MDR Via Chapparadahalli - Marur	4.5	8 to 10	7.5	116,000
370	3488	Udupi	Udupi	Hirgana to Kanangi road	3.2	6 to 8	6 to 8	263,000
371	3492	Ballari	Vijayanagara	Mothikal Thanda to Doopadahalli Thanda Via Doopadahalli	4.4	8 to 10	7.5	116,000
372	3504	Kalburgi	Kalburgi	Sannatti MDR to Nalwar MDR Via Sugur N.Revanahalli Thanda	5.785	10 to 12 m	10 to 12 m	521,000
373	3526	Kolar	Kolara	Improvements of road from Chillapalli to Besthenahalli via Annenahalli, Mathikunte	5.18	7.5 to 10	7.5	377,000
374	3563	Belagavi	Belagavi	Improvements to Road Gundewadi to Bevanur via Laxmiwadi	5.46	9 to 12m	9 to 12m	287,000
375	3572	Tumakuru	Tumakuru	Improvements to Road from Bramasandra to varaunte cross via Bandenahalli	3	7.5m-10m	7.5m	322,000
376	3578	Udupi	Udupi	Ulloor 11 proper to Halaoeri via Upparahalli	2.64	6 to 8	6 to 8	278,000
377	3581	Udupi	Udupi	Aloor proper , Selekode to Kalikamba Nagara road	3	6 to 8	6 to 8	164,000
378	3592	Bidar	Bidar	Aliamber to Shankar Thanda	3.81	10 to 12m	10 to 12m	323,000
379	3609	Kolara	Kolara	Improvements of road from Bhattarakuppa to Marasandra via Navanahalli,	4.28	7.5 to 10	7.5	149,000
380	3613	Kalburgi	Kalburgi	SH-32 to Salegoan	2.6	10 to 12 m	10 to 12 m	311,000
381	3621	Haveri	Haveri	Chikkaharalhalli to Maidur via Yattinahalli	5.21	8 to 10	7.5	371,000
382	3623	Kalburgi	Kalburgi	Tadikal to Walwanwadi	5.655	10 to 12 m	10 to 12 m	311,000
383	3631	Chitradurga	Chitradurga	Lakshmisagara to Alaghatta via Kittadahatti, Chikkalagatta	5.9	7.5	7.5	149,000
384	3632	Chitradurga	Chitradurga	NH-13 to Haliyur via Karihatti Thirumalapura , Kurubarahalli	2.52	7.5	7.5	182,000
385	3659	Belagavi	Belagavi	Improvements to Road Balligeri to Sindhur(State Border) via Banovankhodi	6.45	9 to 12m	9 to 12m	1,58,000
386	3663	Haveri	Haveri	Attigeri to Hireharakunli TB	4.55	8 to 10	7.5	371,000
387	3666	Kalburgi	Kalburgi	Approach road to Allipur Thanda	3	10 to 12 m	10 to 12 m	311,000
388	3669	Kalburgi	Kalburgi	Madna to Tummalakunta tanda	3	10 to 12 m	10 to 12 m	311,000
389	3687	Chitradurga	Chitradurga	Byalahal to Adavigollarahally via Basavashivanakere	2.35	7.5	7.5	149,000
390	3690	Bengaluru Rural	Bengaluru (Rural)	Kammasandra to Yenagunte via., M-Sathvavara junction	2.93	6.5m-7.5m	8.1m	223,000
391	3699	Belagavi	Belagavi	Improvements to Road Janwad to Mahishwadagi	4.92	8 to 10m	8 to 10m	287,000
392	3723	Hassan	Hassan	Kadavinabachanahalli to Beeranahalli via Mahadeshwara Colony, Veeranahalli, Havinamaranahalli.	3.9	9m to 13m	9m to 13m	368,000
393	3730	Udupi	Udupi	Aramane Kutvaru to Belpu road	4	6 to 8	6 to 8	173,000
394	3731	Udupi	Udupi	Mudarangadi Pilaru Halasinakatte Balegundi road	2.71	6 to 8	6 to 8	194,000
395	3732	Chikkamagaluru	Chikkamagaluru	G Vaddarahatti To Kadur -Maravanji Road Via Somanathapura	5.8	8 to 10m	8 to 10m	396,000
396	3733	Chikkamagaluru	Chikkamagaluru	Asandi to Bovi Colony via Hadagalu	3.3	8 to 10m	8 to 10m	241,000
397	3747	Bidar	Bidar	Wanjarkheda to Mehkar (upto MDR)	6.4	10 to 12m	10 to 12m	323,000
398	3758	Tumakuru	Tumakuru	Improvements to Road From Chandrashekarapura to Hurulugere Via C Kodagihalli in Gubbi Taluk	3.86	6.5m-7.5m	7.5m	286,000
399	3769	Tumakuru	Tumakuru	Govindanayakanapalya to Bhovipalya Via Hiredodavadi	2.86	7.5m-10m	7.5m	173,000
400	3776	Shivamogga	Shivamogga	Thirthahalli Nagara Main Road (M H Pura)To Kvathinkoppa Via Baloodu	3.375	7.5 to 10	7.5	149,000
401	3780	Mysuru	Chamarajanagara	Sagade to Mukkadahalli via Harave	10.5	10 to 12m	10 to 12m	521,000
402	3786	Mysuru	Chamarajanagara	Balachavadi to Iakkuru	4.1	10 to 12m	10 to 12m	266,000
403	3793	Ballari	Vijayanagara	Hampasagara Colony - 1 to Hampasagara colony - 3	1.59	8 to 10	7.5	371,000
404	3805	Hassan	Hassan	Ankanahalli to SH via Bydaralli	1.84	9m to 13m	9m to 13m	293,000
405	3807	Mandya	Mandya	Sanaba gate to Byataranakoppalu Kerethonnur MDR Via Thirumalapura	2.645	7.5 to 10.00	7.5	341,000
406	3813	Belagavi	Belagavi	Improvements to Road Chikatti to SH-31 via Sankonatti	3.42	9 to 12m	9 to 12m	158,000
407	3834	Bengaluru Rural	Bengaluru (Rural)	Melekote MDR to SH-74 via Channapura, Senebhalli, Hosodihalli	2.9	6.5m-7.5m	7-8 m	299,000
408	3841	Kolar	Kolara	NH 234 to Uthnur-Doddagurki road via Gonnapura, K.G Lakshmisagara	3.6	7.5 to 10	7.5	223,000
409	3869	Chikkaballapura	Chikkaballapura	SH-82 to Attur via Jodi-Hosahalli, Subbaravanapete, Virupakshapura	6.12	11 to 12	11 to 12	116,000
410	3884	Mangalore	Kodagu	Betoli Ramanagara to Gundigere Maseedi Kottolige Road	4.37	7.50 Mts	7.50 Mts	421,000
411	3885	Mangalore	Dakshina Kannada	Adkapalla Kedambadi Mangalanti	4.35	7.50 to 10.00	7.5	1,49,000
412	3891	Bangalore rural	Ramanagara	KANAKAPURA SANGAMA ROAD TO KUPPEDODDI VIA KADUSHIVANAHALLIDODDI	4.4	5-7 m	7.5 m	149,000
413	3909	Bengaluru Rural	Bengaluru (Rural)	SH-96 to Attivatta road via., Haralur, Soluru	3.72	6.5m-7.5m	8.1m	446,000
414	3931	Mandya	Mandya	NH-209 to Maraoowdanahalli	3.77	7.5 to 10.00	7.5	401,000
415	3938	Chitradurga	Chitradurga	Lingadahalli to kashibura	1.83	7.5	7.5	116,000
416	3940	Mandya	Mandya	B G Pura to Narayanapura	3.35	7.5 to 10.00	7.5	347,000
417	3943	Chitradurga	Chitradurga	Chikkajalur to Chikkajalur kaval	2.11	7.5	7.5	149,000
418	3960	Tumakuru	Tumakuru	K G Temple to Islampur Via Dadubaipalya	2.01	5-9	7.5 m	149,000
419	3976	Tumakuru	Tumakuru	Improvements to Road from Nirakallu to channamallenahalli	2.93	7.5m-10m	7.5m	149,000
420	3998	Chikkaballapura	Chikkaballapura	CMY ROAD to Y.Kurupalli Road via I.Kurupalli, Myakapothalahalli, Junjanahalli, Naravamakalahalli, Puligundlahalli	6.95	11 to 12	11 to 12	371,000
421	3999	Koppal	Koppal	Improvements to road from Huligi to NH-57 Vai Mattimudlaapur.Holemudlaapur	4.12	7.5 to 10	7.5	266,000
422	4003	Mangalore	Kodagu	Chikkamandur to Hudikeri Road	4	7.50 Mts	7.50 Mts	421,000
423	4009	Ballari	Ballari	Vittalapura metriki main road to taluka border (Gavisiddeshwara temple road)	2.3	7.5	7.5	239,000
424	4013	Kolar	Kolara	Improvements of road from Srinivasapura to SP Road Via Avalakuppa	4.67	7.5 to 10	7.5	149,000
425	4042	Mangalore	Kodagu	Balyamandur to Thavarekere Agodu Road	6.11	7.50 Mts	7.50 Mts	371,000
426	4045	Tumakuru	Tumakuru	Improvements to Road from Tarur-Thalagunda Road to Mavassandra	3.13	5.5m-7.5m	7.5m	560,000
427	4054	Uttara Kannada	Uttara Kannada	Mingeli to Gund in Joida Taluk,U.K District.	1.79	7.5	7.5	167,000
428	4063	Bagalkot	Bagalkot	Gundanapalli RC to Shirur	3.49	8 to 10m	8 to 10m	140,000
429	4067	Bengaluru (Urban)	Bengaluru (Urban)	SH-35 (Attibele- Anekal Main road) to SH-85 Kelamangalam (TVS)Road via Bhaktipura Dasanapura	2.877	7m-8m	7.5m	179,750
430	4083	Mandya	Mandya	Mangala to Haluvadi	4.68	7.5 to 10.00	7.5	393,500
431	4084	Mandya	Mandya	NH-275 (Bengaluru- Mysore Main Road) to Induvalu via Molekoppalu, Molekoppalu Forest	3.15	7.5 to 10.00	7.5	401,000
432	4117	Shikaripura	Shivamogga	Improvements of road from Beluru to Kyasanuru road in Sagara taluk Shivamogga Dist	2	8-10	8-10	219,666

433	4122	Shikaripura	Shivamogga	Improvements of road from Thandige main road to hultthikoppa road in in Soraba Taluk Shivamogga Dist	2.96	8-10	8-10	219,666
434	4145	Bengaluru (Urban)	Bengaluru (Urban)	Gowrenahalli to MDR via Siddanapalya	3.254	7m-8m	7.5m	179,750
435	4146	Mysuru	Mysuru	Improvements to road from Gowdanakatte to MDR near Ramanathpura-Terakanambi (RT) road via Survey No.25	3.145	10 to 12	10 to 12	116,000
436	4154	Mangalore	Kodagu	Kolakeri to Kokeri Konajageri Road	8.65	7.50 Mts	7.50 Mts	421,000
437	4156	Mysuru	Chamarajanagara	Improvements to Road from Konanahundi to Ummaturu	3.25	10 to 12m	10 to 12m	216,000
438	4159	Tumakuru	Tumakuru	Improvements to Road from Gonihally to Baraquer-Madalur Road via Rangapur	4.07	5.5m-7.5m	7.5m	289,000
439	4161	Tumakuru	Tumakuru	Improvements to Road from Seegalahalli to Rasealahalli	4.3	5.5m-7.5m	7.5m	289,000
440	4162	Mangalore	Kodagu	Napoklu to Aittimotte Pallirane Road	3.35	7.50 Mts	7.50 Mts	421,000
441	4180	Gadag	Gadag	Naregal to Tondihall upto Taluk Border via Dvampur	5.18	9m to 11m	9m to 11m	296,000
442	4190	Hassan	Hassan	NH -75 to Belagodu Road via Yadehalli	3.76	9m to 13m	9m to 13m	467,000
443	4207	Davanagere	Davanagere	Nimbapura to V.Ramenahalli via Nuggahalli,Honnamaradahalli,Bommenahalli,Hir egangur,Yeragattihalli	10.36	6.5-7.5	6.5-7.5	532,000
444	4213	Gadag	Gadag	Mulgund to yelishirur	8.26	8.0 to 10.0	8.0 to 10.0	371,000
445	4219	Bengaluru (Urban)	Bengaluru (Urban)	KUDUSIDDANAPALYA MAIN ROAD TO PEDDANAPALYA MAIN ROAD VIA PURADAPALYA VILLAGE	2.266	7m-8m	7.5m	351,000
446	4221	Mysuru	Chamarajanagara	Improvements to Road from Munisettydoddi to Hosalli Cross	2.65	10 to 12m	10 to 12m	116,000
447	4229	Chikkamagaluru	Chikkamagaluru	Shivapura to Sanna bokikere	2.3	8 to 10m	8 to 10m	291,000
448	4246	Haveri	Haveri	SH-76 to SH-136 (Upto Tadas)via Chikkabudihal, Bhogavi, Yogikoppa, Chinnamulunda	13.24	8 to 10	7.5	371,000
449	4269	Bengaluru (Urban)	Bengaluru (Urban)	Kanakapura Main Road (NH- 948) to Nettigere Main Road via Sommanahalli Road	2.581	7m-8m	7.5m	351,000
450	4282	Mysuru	Mysuru	Improvements to road from Savve to Pailwan Colony (Bhogeshwar) via Annayana shed	1.95	10 to 12	10 to 12	116,000
451	4286	Mysuru	Mysuru	Improvements to road from Kundur to Kallambalu Cross via Kallambalu VP Dadadahalli	1.555	10 to 12	10 to 12	116,000
452	4287	Gadag	Gadag	Haradaqatti to F.Badni	3.63	9m to 11m	9m to 11m	392,000
453	4292	Kalburgi	Kalburgi	Kesaratgi to Khandal	3.81	10 to 12 m	10 to 12 m	311,000
454	4294	Kalburgi	Kalburgi	Minajagi to Garur B	6.26	10 to 12 m	10 to 12 m	521,000
455	4312	Udupi	Udupi	Cherkady H.C. to Alunje road mundur to Senadakoppalu roadpost	2.48	6 to 8	6 to 8	296,000
456	4316	Mysuru	Mysuru	Saligrama Road Via Doddakoppalu & Chikkamagaluru	3.775	10 to 12	10 to 12	116,000
457	4322	Chikkamagalur	Chikkamagaluru	Madaboore To Shankarapura Via Kesakki Kuppuru	3.9	8 to 10m	8 to 10m	191,000
458	4323	Tumakuru	Tumakuru	Improvements to Road from Dasarhally to Nandhihall via Venkatapura	1.97	5.5m-7.5m	7.5m	289,000
459	4326	Mandya	Mandya	Mallaihanagara Ashrayacolony to Sadolalu road	2.54	7.5 to 10.00	7.5	338,000
460	4336	Kalburgi	Kalburgi	Chandapur to Chandu naik tanda	2.04	10 to 12 m	10 to 12 m	311,000
461	4344	Belagavi	Belagavi	Daddi to Bidrewadi to Aladal	4.56	10 to 12m	8-10 km	239,000
462	4363	Mandya	Mandya	Dadadapura to Jadaganapura via Sulthan Road	2.06	7.5 to 10.00	7.5	353,000
463	4366	Tumakuru	Tumakuru	Improvements to Road from Holavanahalli-Lingapura Road to SH-94 Road via Bhaktarahalli,Chikkasaggere	3.6	7.5m-10m	7.5m	272,000
464	4370	Kalburgi	Kalburgi	Turnur Cross to Turnur	4.03	10 to 12 m	10 to 12 m	311,000
465	4374	Kalburgi	Kalburgi	Gadikeshwar to Kupnoor	5.67	10 to 12 m	10 to 12 m	521,000
466	4377	Gadag	Gadag	Kiratageri to Hirekoppa	2.6	8.0 to 10.0	8.0 to 10.0	371,000
467	4378	Kalburgi	Jevargi	SH157(Bilwar cross) to kachur	2.37	10 to 12 m	10 to 12 m	521,000
468	4386	Kalaburagi	Yadgir	SH 15 to Parsapur Via Beermur and Sawoor	5.85	7.5 to 9	7.5 to 9	313,000
469	4399	Bidar	Bidar	Kitta Cross to Basavakalyan (Rural Police Station Basavakalyan)	3.75	10 to 12m	10 to 12m	446,000
470	4406	Kalburgi	Kalburgi	Keri Bhosga Approach Road to Astaga	5.91	10 to 12 m	10 to 12 m	311,000
471	4408	Mandya	Mandya	Damadahalli-Jayanthinagara SH to Taluk border Via Halevelekere	3.74	7.5 to 10.00	7.5	326,000
472	4409	Udupi	Udupi	Kallumargi to Shedimane proper and Konjadi via Thonase road	4	6 to 8	6 to 8	173,000
473	4415	Chikkamagalur	Chikkamagaluru	Gubbur To Melpal Via Hunasekoppa	3.41	8 to 10m	8 to 10m	191,000
474	4420	Dakshina Kannada	Dakshina Kannada	Kaikara-Minipadavu-Kapikaddu	2.76	7.5 to 9.00	7.5 to 9.00	125,000
475	4427	Mangalore	Dakshina Kannada	Kuppepadavu To Boliya Road	2.66	7.5 to 10.00	7.5	149,000
476	4431	Mangalore	Kodagu	Gopalpura to Hemmane Shanivarsanthe Kodlipete Main Road	3.03	6.00 Mts	6.00 Mts	421,000
477	4434	Kalburgi	Kalburgi	SH 126 to Malkood	3.915	10 to 12 m	10 to 12 m	311,000
478	4438	Mangalore	Dakshina Kannada	Kinya-Rehmathnagara-Kallarakodi	2.05	6.00 to 7.50	6	116,000
479	4457	Uttara Kannada	Uttara Kannada	Gundolly-Kalginkoppa MDR to Pura Village in Halival Taluka Uttara kannada District	1.87	7.5	7.5	140,000
480	4460	Uttara Kannada	Uttara Kannada	Donisigur to Badasingur Via Bommenahalli in Halival Taluk, U.K District.	2.35	7.5	7.5	140,000
481	4463	Tumakuru	Tumakuru	Improvements to Road from Rudrapura to Rattenahalli in Tiotur Taluk	3.86	7.5m-10m	7.5m	328,000
482	4476	Mysuru	Mysuru	Improvements to road from Thippur to Mahadevapura	2.06	10 to 12	10 to 12	116,000
483	4477	Mysuru	Mysuru	Improvements to road from Kalegowdana Koppalu (T-06) to NH 275 Road	2.83	10 to 12	10 to 12	371,000
484	4480	Raichur	Raichur	Madmandoddi to Appandoddi via Raaldoddi	4.99	7 TO 7.5M	7 TO 7.5M	149,000
485	4481	Raichur	Raichur	SH link to Maldoddi via kothadoddi J	3.09	8 TO 7.5M	8 TO 7.5M	389,000
486	4483	Raichur	Raichur	Chirthnal to Donne camp	3	9m to 13m	9m to 13m	293,000
487	4495	Kalburgi	Kalburgi	SH-124 (Madan Hipparaga -Nimbal road) to Khed umarga	2.035	10 to 12 m	10 to 12 m	521,000
488	4500	Bidar	Bidar	Gogga to Hulgutti	2.132	10 to 12m	10 to 12m	208,000
489	4504	Kalburgi	Kalburgi	Srichand to Apchand	3.03	10 to 12 m	10 to 12 m	311,000
490	4507	Raichur	Raichur	Mandalgera cross to Wadlamdoddi	2.31	8 TO 7.5M	8 TO 7.5M	149,000
491	4527	Tumakuru	Tumakuru	Improvements to Road from Kurkenahally to Mutharavanahalli cross	3.48	7.5m-10m	7.5m	339,000
492	4535	Ballari	Vijayanagara	Hananahalli to Mudenoor via Devaoodenahalli	2.45	8 to 10	7.5	116,000
493	4555	Haveri	Haveri	Kabanur to Hiremanakatti-Muqali road	2.6	8 to 10	7.5	116,000

494	4559	Bidar	Bidar	Sindhenkera to Hankuni Towards Itga Walkhindi Junction	6.3	10 to 12m	10 to 12m	446,000
495	4561	Mandya	Mandya	Ankanahalli to Taluk Border Via Devarahalli	2.05	7.5 to 10.00	7.5	401,000
496	4564	Mandya	Mandya	Makavalli to Kundanahalli via Karoti	2.43	7.5 to 10.00	7.5	362,000
497	4566	Kalburgi	Kalburgi	HUMANBAD MAIN ROAD NH-50 TO ALGUD	2.52	10 to 12 m	10 to 12 m	311,000
498	4568	Kalburgi	Kalburgi	NH-50 TO BHEEMNAL TANDA	2.13	10 to 12 m	10 to 12 m	311,000
499	4575	Bengaluru Rural	Bengaluru (Rural)	ONGC (I.O.C) to Paramanahally-Thindlu road via.. Giddalapura..Tharabally	2.18	6.5m-7.5m	8.1m	256,000
500	4580	Gadag	Gadag	Adralli to F-Badni MDR to Kundralli via Sankadal	3.66	8.0 to 10.0	8.0 to 10.0	296,000
501	4583	Mandya	Mandya	SH (Arasikere-Mysore) road to Chowdenahalli	2.4	7.5 to 10.00	7.5	386,000
502	4589	Bengaluru Rural	Bengaluru (Rural)	NH-207 Doddadunnasandra to Muthukuru MDR	2.24	6.5m-7.5m	8.1m	313,000
503	4597	Bengaluru Rural	Bengaluru Rural	NH 648 to Bhaktrahalli, via Kestur, Basappapalya, Shrvanuru, Chikkanahalli	7.1	7.0m to 7.5m	8.1m	346,000
504	4600	Mysuru	Chamarajanagara	Improvements to Road from Venkatanachatra to Honnahalli	9.1	10 to 12m	10 to 12m	266,000
505	4606	Bagalkot	Bagalkot	Halingali to Join Koliqudda road	2.14	8 to 10m	8 to 10m	173,000
506	4618	Tumakuru	Tumakuru	Doddanetigunte to MDR Via Servegamapalaya	2.37	5-10	7.5 m	149,000
507	4648	Bagalkot	Bagalkot	Jalageri Tirtha Basaveshwar temple to Malagi Jalageri LTI junction via Jalageri	3.25	8 to 10m	8 to 10m	357,000
508	4694	Mysuru	Mysuru	Konagahalli to Kayambally via Chittagalahanakoppalu	4.7	10 to 12	10 to 12	371,000
509	4714	Hassan	Hassan	NH-73 to Taluk border via Devarakeshavi, Kanadur, Mallakeshavi	3.27	9m to 13m	9m to 13m	193,000
510	4727	Belagavi	Belagavi	Improvements to road from Nainglaj to Romanale vasti via Lake	3.49	8-10 km	8-10 km	249,000
511	4733	Belagavi	Belagavi	Improvements to road from Hasa Yedur to Join Chandur-Chandur Tek Road via Chavan vasti	3.69	7-10 km	7-10 km	149,000
512	4740	Kalburgi	Kalburgi	Melkunda B cross to Gudur	8.2	10 to 12 m	10 to 12 m	521,000
513	4741	Gadag	Gadag	Hiremannur to Kurahatti via Basalapur, Ron	11.25	8.0 to 10.0	8.0 to 10.0	371,000
514	4744	Bagalkot	Bagalkot	Ontagodi Mirji Road to TQ Border Via Ontagodi RC	2.82	8 to 10m	8 to 10m	149,000
515	4745	Ballari	Ballari	Improvements to road from Vakrani Camp to Batri canal road (ch:0.00 to 2.53 km) in Ballari city Constituency	2.52	7.5	7.5	149,000
516	4756	Ballari	Ballari	Improvements to road from ballari - Kolagal MDR to Allipur- Kolagal MDR (ch: 0.00 to 3.86km) Runs on distributory RBHLC in Ballari city constituency	3.85	7.5	7.5	179,000
517	4757	Ballari	Ballari	Improvements to road from Thirumalanagar B Camp to Bisilihalli NH (ch:0.00 to 2.49 km) in Ballari city constituency	2.48	7.5	7.5	185,000
518	4758	Ballari	Ballari	Improvements to road from Thirumalanagar B Camp to K.Bevinahalli - Shankarabanda MDR (ch:0.00 to 2.88 km) in Ballari city constituency	2.86	7.5	7.5	149,000
519	4759	Ballari	Ballari	Improvements to road from Thirumalanagar B Camp SH128 to Join Imbrahimpura MDR (Ch:0.00 to 2.01 km)	2.01	7.5	7.5	149,000
520	4760	Udupi	Udupi	Pernankila to Patia (On SH67) and Moodubettu (on SH67)to Kudli road	3.93	6 to 8	6 to 8	173,000
521	4761	Kalburgi	Kalburgi	Mogha B to kinni Abbas balance length	2.93	10 to 12 m	10 to 12 m	311,000
522	4762	Kalaburagi	Yadgir	Banthihal to Gogi(K)	5.8	7.5 to 9	7.5 to 9	313,000
523	4763	Kalburgi	Kalburgi	SH -122(khandaal) to kesar jawalga maharashtra state border via iamboa k	2.6	10 to 12 m	10 to 12 m	311,000
524	4766	Kalaburagi	Yadgir	Maddarki to Taluka Border (Padagadahalli)	3.33	7.5 to 10	7.5 to 10	223,000
525	4767	Kalaburagi	Yadgir	Kembhavi to Yedayapur Via Murkna	4.69	7.5 to 9	7.5 to 9	223,000
526	4768	Belagavi	Belagavi	Improvements to road from Chandur to Yadurwadi up to Laxmi temple	2.49	7-10 km	7-10 km	272,000
527	4772	Koppal	Koppal	Improvements to road from Gandol to Katakahalli	4.87	7.5 to 10	7.5	266,000
528	4775	Davanagere	Davanagere	Sasvehalli-Rampura MDR to Hosa Iyanur	1.85	7	7	249,000
529	4781	Shikaripura	Shivamogga	Improvements Road From Shivamogga-Hosangara Main road (Karinagoli) To Dibbana Kallu in Shivamogga	2.5	8-10	8-10	204,666
530	4784	Udupi	Udupi	Arbi to Kelakarje (Kangibettu Kadangodu) road	2.9	6 to 8	6 to 8	206,000
531	4787	Belagavi	Belagavi	Improvements to road from Nasalapur to Bavan Savadatti	2.96	9 to 12m	9 to 12m	272,000
532	4789	Belagavi	Belagavi	Improvements to road from MDR to Mekhali Kotra tota	3	9 to 12m	9 to 12m	173,000
533	4790	Dharwad	Dharwad	Improvements from unkal to sulla in Hubli Taluk of Dharwad District	6	8.0 to 10.0	8.0 to 10.0	158,000
534	4794	Hassan	Hassan	Malali to MDR Via Parasanahalli	3.23	9m to 13m	9m to 13m	293,000
535	4800	Ballari	Vijayanagara	Sibara to Angoor	2.06	8 to 10	7.5	116,000
536	4801	Davanagere	Davanagere	Bidarakere to Matadadyamavvanahalli	2.94	10-12	10-12	199,000
537	4805	Dharwad	Dharwad	Kannur to Boganur in Navalgund Taluk of Dharwad District	2	8.0 to 10.0	8.0 to 10.0	272,000
538	4810	Gokak	Belagavi	MDR-Kittur-Tigadalli Road to Jambi upto Khanapur Taluk Border road	2.55	10 to 12m	8-10 km	239,000
539	4813	Gokak	Belagavi	Girval KS to Navalgatti road	2.93	10 to 12m	8-10 km	149,000
540	4817	Belagavi	Belagavi	Karikatti To Join shahabandar-hegadal Road	2.08	10 to 12m	8-10 km	149,000
541	4820	Belagavi	Belgaum	Improvements Road From Mannur To Join Guddadevi - Agasaga Road	4.03	10 to 12m	8-10 km	149,000
542	4821	Belagavi	Belagavi	Honaga to Bailur Via Hosalli, Jumnal, Kenchanatt	3.65	10 to 12m	8-10 km	239,000
543	4822	Mangalore	Kodagu	Basariquppe to Alluquppe Road	4.41	7.50 Mts	7.50 Mts	421,000
544	4823	Belagavi	Belgaum	Improvements to road from Devaraj ars colony link road (VRL)to NH4	2.2	10 to 12m	8-10 km	149,000
545	4824	Belagavi	Belgaum	Improvements to road from Basvan kudachi to NH4 via Devaraj Ars colony	2.77	10 to 12m	8-10 km	239,000
546	4830	Gokak	Belagavi	Dastikoppa (Bandemmma qudi) to kadroli	4.05	10 to 12m	8-10 km	239,000
547	4832	Gokak	Belagavi	Nagnur to Mudalgi road	4.5	10 to 12m	8-10 km	239,000
548	4836	Dharwad	Dharwad	Improvements to Road from Navalur to Amargol MDR Road Via Rayapur Industrial Area in Hubli taluk of Dharwad District	6.554	8.0 to 10.0	8.0 to 10.0	236,000
549	4838	Dharwad	Dharwad	Improvements to Road from Ittigatti to Gamanagatti MDR Road in Hubli taluk of Dharwad District	1.67	8.0 to 10.0	8.0 to 10.0	251,000
550	4839	Tumakuru	Tumakuru	NH 48 to 48 Via Rangapura and Bhovipalya	3.38	7.5m-10m	7.5m	305,000
551	4841	Tumakuru	Tumakuru	TCB Road to Chandrappana palya Via Haronahalli	3.51	7.5m-10m	7.5m	299,000
552	4842	Ballari	Ballari	Improvements to road from Hanuman Nagar to Ballari bypass via Patrabudihal (ch: 0.00 to 2.32 km) in Ballari city Constituency	2.33	7.5	7.5	149,000

553	4843	Davanagere	Davanagere	Koratigere to taluk border(Ramaghatta) via Lakshmisagara	3.3	6.5-7.5	6.5-7.5	422,000
554	4864	Tumakuru	Tumakuru	NH 48 to Mariyappanahalli Via Marenahalli	2.03	7.5m-10m	7.5m	149,000
555	4867	Mangalore	Dakshina Kannada	Kinnigoli to Thodama road	1.47	6.0 to 7.5	6	149,000
556	4868	Ballari	Vijayanagara	Bande Basapura thanda to Govindagiri cross	2.54	8 to 10	7.5	116,000
557	4869	Ballari	Vijayanagara	Yembli vaddarahatti to Kenchammanahalli	2.5	8 to 10	7.5	116,000
558	4872	Udupi	Udupi	Borkalgudde to Kalambadi Padavu road	2.3	6 to 8	6 to 8	149,000
559	4882	Hassan	Hassan	Hanchoor to Manchenahalli via Hanchoor colony ,Bommachivalli	3.57	9m to 13m	9m to 13m	293,000
560	4883	Udupi	Udupi	Hiriadka to Muthuru road(paddham bailu road)	1.97	6 to 8	6 to 8	254,000
561	4886	Ballari	Ballari	Torangallu to Taluka Border (Thimmalapura)	5.272	7.5	7.5	173,000
562	4889	Chikkamagalur	Chikkamagaluru	Rangenahalli to Muslapuradahatti via Galigutti	6.68	8 to 10m	8 to 10m	521,000
563	4906	Vijayapura	Vijayapura	Amaragol-Hadagali-Bailakur-Madari	3.87	8 to 10 m	8 to 10 m	471,000
564	4909	Vijayapura	Vijayapura	Yarzeri-Handaragal Cross-Nagaral	2.74	8 to 10 m	8 to 10 m	366,000
565	4910	Vijayapura	Vijayapura	Bidarakundi to Hadalageri	1.65	8 to 10 m	8 to 10 m	471,000
566	4912	Ballari	Vijayanagara	SH to Navali	2.93	8 to 10	7.5	116,000
567	4918	Vijayapura	Vijayapura	Shirkanalli to Prabhudevaretta	4.6	7.5 to 10m	7.5 to 10m	158,000
568	4924	Raichur	Raichur	Shankar nagara camp to hirekadabur via S.Ramaladinni	3.82	9m to 13m	9m to 13m	261,000
569	4935	Shikaripura	Shivamogga	Improvements of road from Hosabale-Nisarani MDR to Hirale-Mudagodu-Ramagondanakoppa Road in Soraba taluk shivamogga dist	2.5	8-10	8-10	204,666
570	4940	Davanagere	Davanagere	SH 47 (Hindasgatte cross) to Taluk border(Komaranahalli) Via Hindasgatte,Nalkunda	4.19	7.5	7.5	249,000
571	4942	Koppal	Koppal	Improvements to road from Bilekal to Kodatageri	3.89	7.5 to 10	7.5	521,000
572	4945	Koppal	Koppal	Improvements to road from Jagir Rampur to M Gudadur Val Madapur Road	7.35	7.5 to 10	7.5	266,000
573	4950	Haveri	Haveri	Pala-Arekoppa Road to Gotagodi via Bidarakoppa	3.3	8 to 10	7.5	116,000
574	4952	Haveri	Haveri	Gotagodi to Mantagi Via Handihala	4.1	8 to 10	7.5	116,000
575	4953	Dharwad	Dharwad	Sasvihalli to NH near Annigeri in Navalgund Taluk of Dharwad District	5.5	8.0 to 10.0	8.0 to 10.0	173,000
576	4958	Dharwad	Dharwad	Improvements from Gopanakoppa to join unkal-sulla in Hubli Taluk of Dharwad District	2.64	8.0 to 10.0	8.0 to 10.0	191,000
577	4959	Shikaripura	Shivamogga	Improvements of road from Tekkuru-Hosuru to Gudavi Main Road in Soraba taluk shivamogga dist	2	8-10	8-10	204,666
578	4960	Vijayapura	Vijayapura	Improvements to road from Mamadapur to Kodabagi	3.71	8 to 10 m	8 to 10 m	173,000
579	4978	Haveri	Haveri	Hanumanahalli to Kalladevar	4.14	8 to 10	7.5	116,000
580	4983	Udupi	Udupi	Kollikere to Halligoli via Kambli road	3.5	6 to 8	6 to 8	149,000
581	4984	Haveri	Haveri	Arbagonda - Katenahalli (SH136) to kalladevar Via Kengonda	4.74	8 to 10	7.5	116,000
582	4985	Shivamogga	Shivamogga	shimogga - Savalanga Main Road(Navle) To Basavanaganour	2.62	7.5 to 10	7.5	521,000
583	4989	Shivamogga	Shivamogga	Shimoga - Aynur Main Road(Gadikoppa) To Purjalli Road	1.94	7.5 to 10	7.5	371,000
584	4995	Vijayapura	Vijayapura	Improvements to road from Devapur to Kambagi	6.32	8 to 10 m	8 to 10 m	257,000
585	4997	Ballari	Vijayanagara	Improvements to road from Nallapura to upparahalli via HLC	5.33	7.5	7.5	182,000
586	4999	Vijayapura	Vijayapura	Improvements to road from Savalsang to Hadalasana	6.8	7.5 to 10m	7.5 to 10m	164,000
587	5000	Kalaburagi	Yadgir	Kakkeri Main Road to Yadalbhavi	5.3	7.5 to 8.5	7.5 to 8.5	313,000
588	5004	Vijayapura	Vijayapura	Improvements to road from Indi to Kesara LT.	3.7	7.5 to 10m	7.5 to 10m	296,000
589	5016	Kalburgi	Kalburgi	Kamaknoor to taluka Border	2.61	10 to 12 m	10 to 12 m	311,000
590	5019	Ballari	Ballari	Gollalingamanahalli to bommalagunda	3.3	7.5	7.5	158,000
591	5036	Mandya	Mandya	Dugganahalli to Thalagavadi Devipura	3.22	7.5 to 10.00	7.5	353,000
592	5037	Mandya	Mandya	Huthagere to Doddakanahalli	2.53	7.5 to 10.00	7.5	353,000
593	5049	Mangalore	Kodagu	Chennapura HC to Gowdalli (via Hirikeri, Shivapura, Chikkare)	4.98	7.50 Mts	7.50 Mts	521,000
594	5050	Hassan	Hassan	Malsavara-Basuru Road to Baladakallu	1.93	9m to 13m	9m to 13m	218,000
595	5052	Vijayapura	Vijayapura	Improvements to road from Umarja to Bandarakoti	2.2	8 to 10 m	8 to 10 m	173,000
596	5054	Vijayapura	Vijayapura	Improvements to road from Shivanagi to Shivanagi LT.	3	8 to 10 m	8 to 10 m	173,000
597	5056	Davanagere	Davanagere	Guttidurga to Somanahalli via Gokulhatti	3.91	10-12	10-12	199,000
598	5071	Mysuru	Mysuru	Improvements to road from MM Road to Channegowdanahundi via Boppanahally	2.995	10 to 12	10 to 12	116,000
599	5078	Mysuru	Mysuru	Improvements to road from Beechanahalli road to Nerale Hosuru via Yelamathur	1.85	10 to 12	10 to 12	116,000
600	5123	Gokak	Belagavi	Hulkund to Kunnal road	3.9	10 to 12m	8-10 km	149,000
601	5126	Gokak	Belagavi	Gudigoppa to Itnal road	2.69	10 to 12m	8-10 km	149,000
602	5128	Gokak	Belagavi	Kallur to Kittur road	5.9	10 to 12m	8-10 km	149,000
603	5130	Bangalore rural	Ramanagara	THEKUBEEDI TO CHANNAPPANADODDI VIA KARIYANADODDI MALLUGAMANADODDI	2	5-7 m	7.5 m	272,000
604	5134	Mandya	Mandya	Maddur koppa SH road to Doddahosagavi via chikkahosagavi	2.96	7.5 to 10.00	7.5	149,000
605	5135	Bangalore rural	Ramanagara	BEVOOR TO KELAGERE VIA HAROHALLIDODDI	3.89	5-7 m	7.5 m	372,000
606	5142	Bangalore rural	Ramanagara	DODDAMARALAWADI TO KRISHNABOVIDODDI VIA TUKARAMADODDI	2.2	5-7 m	7.5 m	272,000
607	5146	Mysuru	Mysuru	Bylapura to Chikkayyakarahalli Via Lakshmioura in KR Nagara Taluk	3.77	10 to 12	10 to 12	371,000
608	5147	Gokak	Belagavi	Teggihal to Teggihal maddi road	3.06	10 to 12m	8-10 km	149,000
609	5148	Gokak	Belagavi	Sopadla to Sopadla tota road	1.67	10 to 12m	8-10 km	149,000
610	5150	GOKAK	Belagavi	Bhandarhalli to Bhandarhalli qudda road	3.936	10 to 12m	8-10 km	239,000
611	5151	Koppal	Koppal	Improvements to road from Budagumpa to Laxmi camp	6.36	7.5 to 10	7.5	521,000

612	5154	Vijayapura	Vijayapura	Improvements to from Vijayapur-Jamkhandi Road to Topu Tanda via Kandasari Tanda	3.19	7.5 to 10m	7.5 to 10m	296,000
613	5155	Vijayapura	Vijayapura	Improvements to Road from Toravi to Karihal Vasti	3.59	7.5 to 10m	7.5 to 10m	191,000
614	5164	Mysuru	Mysuru	Bettadapura SH to Navilkodikaval Via Hardur	2.01	10 to 12	10 to 12	116,000
615	5168	Mysuru	Mysuru	Gonikoppa Main road to Habaturu- Laxmipura Hadi To Boodittittu	3.355	10 to 12	10 to 12	116,000
616	5170	Gokak	Belagavi	Dasanal to Hirekoppa upto TQB	3	10 to 12m	8-10 km	239,000
617	5171	Gokak	Belagavi	Bandamma temple (Ugargol) to Join Hooli - Chikkumbi road	4.18	10 to 12m	8-10 km	149,000
618	5173	Kalburai	Kalburai	Keri ambalao to Chinchansur	5.35	10 to 12 m	10 to 12 m	311,000
619	5175	Kalburgi	Kalburgi	SH-51 (jambga cross)to Keri Ambalaga via Jambao B. Astaga	8.63	10 to 12 m	10 to 12 m	521,000
620	5176	Bengaluru (Urban)	Bengaluru	Sunawara gate to Muthyala Maduvu	3.179	7m-8m	7.5m	179,750
621	5177	Mangalore	Kodagu	Balagunda to Karkalli Bane Road	2.24	7.50 Mts	7.50 Mts	421,000
622	5180	Bangalore rural	Ramanagara	MALLENAHALLI TO BASAVANAPURA VIA MARI GOWDANADODDI	2.4	5-7 m	7.5 m	272,000
623	5182	Mangalore	Kodagu	Panya to Kanbylu Bychanalli Road	2.43	6.00 Mts	6.00 Mts	421,000
624	5183	Bagalkot	Bagalkot	Kulahalli-Jamkhandi inside road to join Bandigani cross road	2.29	8 to 10m	8 to 10m	263,000
625	5184	Hassan	Hassan	Valegerasomanahalli to NH-75 via Mallavanahatti	2.5	9m to 13m	9m to 13m	209,000
626	5187	Bangalore rural	Ramanagara	KODURU- SUGOVANAHALLI SH JAKKERAHALLI ROAD TO SIDDARANGAIAHNAPALYA VIA LAKKENAHALLI COLONY- LAKKENAHALLI	3	5-7 m	7.5 m	182,000
627	5188	Bangalore rural	Ramanagara	VODDARAPALYA TO MAGADI TUMKUR BORDER VIA KANNUR	2.4	5-7 m	7.5 m	272,000
628	5206	Bangalore rural	Ramanagara	MADBAL MAIN ROAD TO MELANAHALLI VIA PURA, PURAPALYA	2.6	5-7 m	7.5 m	272,000
629	5217	Bangalore rural	Ramanagara	NANJAPURA TO KURUBARAHALLI	2.85	5-7 m	7.5 m	272,000
630	5228	Bangalore rural	Bangalore south/Rama nagara	MAHADESHWARA TEMPLE TO MANGALAWARPET VIA HARISANDRA, NEELAKANTANAHALLI, MASIGOWDANADODDI	5.2	5-7 m	7.5 m	194,000
631	5236	Vijayapura	Vijayapura	Managulli to Islampur LT 2	3.53	8 to 10 m	8 to 10 m	263,000
632	5237	Vijayapura	Vijayapura	Ballawur to Basavana Bagewadi	5.5	8 to 10 m	8 to 10 m	263,000
633	5238	Vijayapura	Vijayapura	B.Bagewadi-Ingaleshwara MDR road to join Ingaleshwara Maiareballawur	2.82	8 to 10 m	8 to 10 m	263,000
634	5241	Mysuru	Mysuru	Kanchagerakoppalu to Hebbalu Main Road Via Siddapura and Arasanakoppalu	4.345	10 to 12	10 to 12	116,000
635	5245	Vijayapura	Vijayapura	SH to Nendihal PU	2.86	8 to 10 m	8 to 10 m	263,000
636	5247	Raichur	Raichur	Maliyabad to Aashapur	4.1	7.5	7.5	315,000
637	5248	Raichur	Raichur	Bijangera to Bapur tanda	4.93	8 TO 7.5M	8 TO 7.5M	422,000
638	5252	Ballari	Ballari	Golla Nagenahalli to Byalachinta karekal MDR	2.84	9m to 13m	9m to 13m	309,000
639	5255	Chikkamagaluru	Chikkamagaluru	Chikkadevanuru to Jadakanakatte	4	8 to 10m	8 to 10m	149,000
640	5256	Chikkamagaluru	Chikkamagaluru	MDR(Near Adishakthi Nagara) To Hukkunda - Nallur Road Via Mugathihalli and Mathavara	4.55	8 to 10m	8 to 10m	322,000
641	5259	Chikkamagalur	Chikkamagaluru	Mudigere-Belur main road to Hantur road via Jenubyle	3.15	8 to 10m	8 to 10m	291,000
642	5266	Gokak	Belagavi	Kittur to Benakankoppa (Chicknargund) upto Tq border	4.75	10 to 12m	8-10 km	149,000
643	5271	Chikkamagaluru	Chikkamagaluru	Kalasapura to Eshwarahalli	3.25	8 to 10m	8 to 10m	249,000
644	5273	Chikkamagalur	Chikkamagaluru	G Hosalli circle to SH 27 via Tata Estate Padiya colony	3.53	8 to 10m	8 to 10m	359,000
645	5274	Chikkamagalur	Chikkamagaluru	Bhadrakali To Bilagur - Balehole Road	6.21	8 to 10m	8 to 10m	278,000
646	5275	Chikkamagalur	Chikkamagaluru	Toranmavu to Doddamagaravalli via Hedadalu and Haliyur	4.91	8 to 10m	8 to 10m	422,000
647	5277	Vijayapura	Vijayapura	Improvements and Asphaltng Road From Bommanahalli to Kumasagi in Sindagi Taluka of Vijayapur District	5.73	8 to 10 m	8 to 10 m	173,000
648	5282	Kolara	Kolara	KV Road to Sarvareddyhalli via Pillagundlahalli.	2.46	7.5 to 10	7.5	149,000
649	5285	Vijayapura	Vijayapura	Improvements and Asphaltng Road sungthan to simisiddeshwar cross in sindagi vijaypur district	3	8 to 10 m	8 to 10 m	263,000
650	5287	Hassan	Hassan	NH to MDR via Kachiaghatta, Salapura	3.08	9m to 13m	9m to 13m	284,000
651	5288	Hassan	Hassan	Chikkalkur to Mallapura via Hirekallu Siddeshwara Betta	3.13	9m to 13m	9m to 13m	284,000
652	5291	Dharwad	Dharwad	Ramankoppa to Kubihal via Vithalapur in Kundgol taluk in Dharwad District	6.2	8.0 to 10.0	8.0 to 10.0	296,000
653	5293	Hassan	Hassan	MDR (Rameshwara Temple) to Morarji Desai Vasathi Shale (NH)	2.45	9m to 13m	9m to 13m	399,000
654	5294	Hassan	Hassan	Kellengeru to Naravanaghattahalli	2.11	9m to 13m	9m to 13m	234,000
655	5297	Hassan	Hassan	MDR (Narasipura) to MDR via Kottur Basaveshwara temple, Jannavara Yadavarahatti, Harijana Colony, G.G.Koppalu	4.29	9m to 13m	9m to 13m	284,000
656	5300	Vijayapura	Vijayapura	Improvements to road from Chadchan to MH Border.	5.6	8 to 10 m	8 to 10 m	263,000
657	5301	Davanagere	Davanagere	Chikkadeverahalli to MDR(Neetigere-Benkikere) via V Ramenahalli	2.95	7	7	149,000
658	5304	Davanagere	Davanagere	Kulambi MDR to Nelahonne Andra camp junction	1.9	6.5	6.5	149,000
659	5306	Davanagere	Davanagere	Nalkunda to Taluk Border(Hiryur) via Kyathanahally	3.585	6.5	6.5	422,000
660	5316	Belagavi	Belgaum	Improvements Road From Devagoudanahatti to Avacharatti via Yarmale	2.7	6.5 to 7m	8-10 km	170,000
661	5322	Chikkamagaluru	Chikkamagaluru	Bilekaihalli to Sarpanahalli-Gungarahalli road	1.78	8 to 10m	8 to 10m	149,000
662	5323	Chikkamagalur	Chikkamagaluru	Balur to Bommanahalli via Horatti	4.93	8 to 10m	8 to 10m	149,000
663	5324	Haveri	Haveri	Vanahalli to Shiqgaon	3	8 to 10	7.5	116,000
664	5327	Vijayapura	Vijayapura	Improvements to road from Old Sankha to Nivaraqi	3.63	8 to 10 m	8 to 10 m	173,000
665	5334	Shivamogga	Shivamogga	C B Road To Lakkappanna Camp	1.207	7.5 to 10	7.5	149,000
666	5336	Shikarpura	Shimoga	Improvements of road from Shiralakoppa - Ulavi main road to Pura-Sagadde Road in Soraba taluk shivamogga dist	2.4	8-10	8-10	204,666
667	5338	Kalaburagi	Yadgir	M T Palli Cross to Gajarkot	6.02	7.5 to 9	7.5 to 9	223,000
668	5345	Shikaripura	Shivamogga	Improvements of road from Ambarkoppa MDR to Gandhinagara in Shikanipura taluk Shivamogga Dist	2	8-10	8-10	204,666
669	5347	Gokak	Belagavi	Markumbi to Inchal road	5.84	10-12M	7.5	18,200
670	5349	Belagavi	Belagavi	Improvements road from SH To Modaga To Salamawadi road	2.51	10 to 12m	8-10 km	1,49,000
671	5352	Gokak	Belgavi	Maladinni to Dundanatti road via maldinni highschool.	2	10 to 12m	8-10 km	1,49,000
672	5353	Gokak	Belgavi	M. Shivapur to Akkisagar road upto TQB.	2.1	10 to 12m	8-10 km	1,49,000
673	5354	Gokak	Belgavi	Benchinmaradi to Basava nagar road	2.03	10 to 12m	8-10 km	149,000

674	5358	Uttara Kannada	Uttara Kannada	Aurad Sadashivgad(SH-34) road to Hosali Angadi Road in Karwar Taluk Uttara Kannada District	2.59	7.5	7.5	140,000
675	5359	Uttara Kannada	Uttara Kannada	Makheri (SH-6) to Kadawad MDR Road in Karwar Taluk Uttara Kannada District	3.07	7.5	7.5	125,000
676	5364	Uttara Kannada	Uttara Kannada	Kannadiu to MDR in Bhatkal Taluk Uttara Kannada District	2.1	7.5	7.5	149,000
677	5369	Uttara Kannada	Uttara Kannada	Konkaneri, Upajkeri to MDR in Honnavar Taluk Uttara Kannada District	3.5	7.5	7.5	131,000
678	5372	Kolar	Kolar	Improvements of road from KMH road to Pura cross via Chudagondanahalli. Kodur	3.01	7.5 to 10	7.5	149,000
679	5373	Kolar	Kolar	Improvements of road from Bangarpete Main road to Makarahalli via Bettahalli	2.31	7.5 to 10	7.5	149,000
680	5374	Kolar	Kolar	Improvements of road from Dinnahalli- Thoralakki road to Ganiganahalli via Nidamakanahalli, Ajjapanahalli.	3.67	7.5 to 10	7.5	149,000
681	5375	Tumakuru	Tumakuru	SH 85 to R Bydrahahalli Via Ankanahalli	2.58	7.5m-10m	7.5m	272,000
682	5376	Belagavi	Belgaum	Improvements Road From Bassapur to MDR via Huliikatti approached road	1.52	10 to 12m	8-10 km	149,000
683	5377	Belagavi	Belgaum	Improvements Road From Kundaskoppa to NH4	0.88	10 to 12m	8-10 km	149,000
684	5378	Belagavi	Belgaum	Improvements Road From Mutnal to NH via Hirebagewadi APMC to Bhendegeri App road	3.91	10 to 12m	8-10 km	149,000
685	5380	Belagavi	Belagavi	Improvements Road From Hosur to Bypass road (NH 4 to Samarth Nagar)	1.05	10 to 12m	8-10 km	149,000
686	5381	Belagavi	Belagavi	Improvements Road From SH to Railway Line (Gandhi Nagar)	0.54	10 to 12m	8-10 km	149,000
687	5382	Kalaburagi	Yadgir	Naikal to Malahalli	4.2	7.5 to 9	7.5 to 9	223,000
688	5383	Kalaburagi	Yadgir	Koilur to Helgera Road	1.9	7.5 to 9	7.5 to 9	223,000
689	5384	Bangalore rural	Bangalore south/Rama nagara	HAROOR TO MANKUNDA VIA HANUMAPURADODDI	3.6	5-7 m	7.5 m	272,000
690	5385	Ballari	Vijayanagara	Improvements to road from Gundlavaddageri to Papinayakanahalli village of Hospet taluk, Vijayanagara district	4.5	7.5	7.5	149,000
691	5389	Sira	Tumakuru	Improvements to Road from Hosakere- Muddenhally Road to Tippapura	1.9	7.5m - 10m	7.5m - 10m	239,000
692	5391	Ballari	Vijayanagara	Hampi to Gangamma gudi near Singhanathanahalli village of Hospet taluk, Vijayanagara district	4	7.5	7.5	149,000
693	5392	Uttara Kannada	Uttara Kannada	Belke Mogerkeri Road in Bhatkal Taluk Uttara Kannada District	1.7	7.5	7.5	209,000
694	5394	Uttara Kannada	Uttara Kannada	Hosali Cross to NH-66 Via Dummanshitla,Holebag In Karwar Taluk Uttara Kannada District	1.86	7.5	7.5	140,000
695	5401	Mandya	Mandya	Babybetta to Dinka road	2.44	7.5 to 10.00	7.5	226,000
696	5403	Gokak	Belgavi	Maladinni to Join Upparatti Melawanki road	3.18	10 to 12m	8-10 km	149,000
697	5404	Gokak	Belgavi	Maladinni to Adibatti Basavanagar road	3.58	10 to 12m	8-10 km	149,000
698	5409	Chitradurga	Chitradurga	Garaga to Yadagatta via Hanumaihahatty, Yadagatta Bovihatti	3.7	7.5	7.5	149,000
699	5422	Bangalore rural	Bangalore south/Rama nagara	THIGALARAHOSAHALLI TO HULIBELE BOLASHETTYDODDI ROAD	2.58	7.5-10 m	7.5 m	249,000
700	5423	Bangalore rural	Bangalore south/Rama nagara	SHIVANAHALLI TO KANAKAPURA - VENKATARAYANADODDI ROAD VIA DODDATANDYA - TULASIDODDI AND KANCHIKAI ANADODDI	1.995	5-7 m	7.5 m	249,000
701	5427	Bangalore rural	Bangalore south/Rama nagara	CHATRA TO SUNTARADODDI VIA ANAMANAHALLI, ADANAKUPPE, BARADANAHALLI, LIPAKFRDODDI	2.355	5-7 m	7.5 m	272,000
702	5428	Bangalore rural	Bangalore south/Rama nagara	THOPPAGANAHALLI TO GOPASANDRA AND TUNGANI	2.83	5-7 m	7.5 m	149,000
703	5429	Belagavi	Belagavi	Improvements to road from Kalkhamb To Railway line (Sambra Rly Stn)	1.8	10 to 12m	8-10 km	239,000
704	5431	Belagavi	Belagavi	Improvements to road from SH (Kalkhamb) to Siddheshwar Swami Temple Road	1.12	10 to 12m	8-10 km	149,000
705	5432	Belagavi	Belagavi	Improvements to road from SH (Kalkhamb) to Field Road upto Settling Tank	0.6	10 to 12m	8-10 km	149,000
706	5433	Hassan	Hassan	Nallur to Dadadahalli	2.6	9m to 13m	9m to 13m	359,000
707	5434	Shikarpura	Shimoga	Improvements of road from Chikkamagadi SH to Chikkeruru (Hirekeruru taluq border) Road in Shikarpura Taluk Shivamogga Dist	1.6	8-10	8-10	219,666
708	5435	Belagavi	Belagavi	Improvements to road from NH-4 to Alarwad Road	2.46	10 to 12m	8-10 km	149,000
709	5436	Uttara Kannada	Uttara Kannada	Bhatkal - Sagar SH to Henjale in Bhatkal Tq , Uttara Kannada dist.	2.5	7.5	7.5	149,000
710	5437	Uttara Kannada	Uttara Kannada	Bommanakeri to Balematha via Mulehittlu in Honnavar Tq , Uttara Kannada District	4.4	7.5	7.5	266,000
711	5439	Uttara Kannada	Uttara Kannada	NH 206 to Kulkod II in Honnavar Tq, Uttara Kannada District	1.5	7.5	7.5	116,000
712	5440	Uttara Kannada	Uttara Kannada	NH-66 to Ganjikeri, Tattimule in Honnavar Tq, Uttara Kannada District	3.4	7.5	7.5	116,000
713	5441	Uttara Kannada	Uttara Kannada	NH-66 to Shirani, Hulibadruin Bhatkal Tq , Uttara Kannada dist.	2	7.5	7.5	194,000
714	5442	Shikarpura	Shimoga	Improvements of road from Shikarpura-Honnalli (SH) main road to Nallinakoppa Thanda in Shikarpura taluk Shivamogga Dist.	3.6	8-10	8-10	219,666
715	5443	Shikarpura	Shimoga	Improvements of road from Shiralakoppa-Hirekeruru SH to Mugalikoppa MDR in Shikarpura Taluk Shivamogga Dist	1.8	8-10	8-10	219,666
716	5444	Gokak	Belgavi	Torakatti to Laxmeshwar Honakuppi main road	4.28	10 to 12m	8-10 km	149,000
717	5445	Gokak	Belgavi	Waderhatti to Hunshyal PG new road	2.03	10 to 12m	8-10 km	149,000
718	5446	Gokak	Belgavi	Hannikeri to Join Tigadi road	6.15	10 to 12m	8-10 km	239,000
719	5447	Gokak	Belagavi	Hunshikatti to M.K. Hubli road	2.86	10 to 12m	8-10 km	239,000
720	5448	Mandya	Mandya	Muthegere to Hosakoppalu	2.945	7.5 to 10.00	7.5	338,000
721	5449	Mandya	Mandya	(Mandya-Basaralu MDR) Tavaregere to Marasinoanahally	4.075	7.5 to 10.00	7.5	338,000
722	5450	Mandya	Mandya	Machagowdanahally to Basaralu -Koppa MDR	1.185	7.5 to 10.00	7.5	362,000
723	5451	Mandya	Mandya	Kamsagara to Thuraaganur	1.86	7.5 to 10.00	7.5	271,500
724	5452	Mandya	Mandya	Mandya Arakere MDR to A Hulikere	2.305	7.5 to 10.00	7.5	401,000
725	5453	Mandya	Mandya	Old NH (Bangalore-Mysore main road) to Bevinahally Via Kiraganduru	4.145	7.5 to 10.00	7.5	343,500
726	5454	Mandya	Mandya	Baby to Karekatte	1.89	7.5 to 10.00	7.5	353,000
727	5455	Mandya	Mandya	Ummadahalli to Hosabudanur	3	7.5 to 10.00	7.5	353,000
728	5456	Haveri	Haveri	GadegundiYallapur to Basapur	2.65	8 to 10	7.5	116,000
729	5457	Haveri	Haveri	Mantaqi to Harganahalli	1.28	8 to 10	7.5	116,000
730	5458	Sira	Tumakuru	Sanjeevapura to Purvara-ID Hali Road via Upparapalya,Doddagalihalli	2.37	7.5m - 10m	7.5m - 10m	149,000
731	5459	Haveri	Haveri	Halesammasagi to Laximpura Gollar Bidar via Laximpura	2.23	8 to 10	7.5	116,000
732	5460	Haveri	Haveri	Tadas-Gondi road to Dolleshwar	2.03	8 to 10	7.5	116,000
733	5462	Sira	Tumakuru	Improvements toRoad from Obanahalli cross to Sira-Koratgere border via Obanahalli	2.76	7.5m - 10m	7.5m - 10m	272,000
734	5464	Kalburgi	Chincholi	Chengta to Adkimukha tanda	4	10 to 12 m	10 to 12 m	521,000
735	5465	Mysore	Chamarajanaagara	Kempanapura to MDR Junction near Kannegala	2.29	10 to 12m	10 to 12m	216,000

736	5467	Belagavi	Belgaum	Improvements to road from to Badas KH to Bidarbhavi road	3.3	10 to 12m	8-10 km	149,000
737	5468	Uttara Kannada	Kannada	Muttalmuri (SH93) to Taluk Boundary in Haliyal Taluk, U.K district.	3.03	7.5	7.5	266,000
738	5469	Mandya	Mandya	S I Honnalagere to join KM doddi main road Via Hosur and H Hosahalli	4.755	7.5 to 10.00	7.5	446,000
739	5473	Sira	Tumakuru	Improvements to Road from Madhugiri-Hindupura Road to Chikkamaluru via Kempapura	2	5.5m - 10m	7.5m - 10m	149,000
740	5474	Mandya	Mandya	Kanakapura-Malavalli (NH-948) main road to Channapura	1.485	7.5 to 10.00	7.5	330,500
741	5475	Mandya	Mandya	Muddanagatta to join Mandya-Nagamangala main road (MDR)	2.46	7.5 to 10.00	7.5	277,000
742	5476	Sira	Tumakuru	Improvements to Road from Arlahalli to Byadanoor	4.18	5.5m to 6.5	7.50-10m	149,000
743	5477	Sira	Tumakuru	SH-94 Road to Sunkadahalli cross(Holle Nanjundeshwara Temple) via Lakkaiahnapalva,Chinnahalli	3.1	7.5m - 10m	7.5m - 10m	215,000
744	5478	Mandya	Mandya	H.Kyathanahally to Subbaravanakoppalu	1.77	7.5 to 10.00	7.5	149,000
745	5479	Ballari	Ballari	Improvements to road from Jalibench to Korlagundi	3.37	9m to 13m	9m to 13m	218,000
746	5480	Tumakuru	Tumakuru	Pura to Lalankatte via varahasandra MDR (Pura Gate)	2.37	7.5m-10m	7.5m	337,000
747	5484	Gokak	Belgavi	SH Road Murgod to Harugoppa MDR Road	5.66	8 to 7.5	8-10 km	182,000
748	5485	Bengaluru Rural	Bengaluru Rural	IVC Road to Devanahalli-Doddabalanapura Road via Thimmegowdana Hosahalli, Kempa	5	5-7	7-8 m	332,000
749	5487	Sira	Tumakuru	Improvements to Road from Rangasamudra to B Hosahalli	10.56	7.5m-12m	7.50-10m	199,000
750	5489	Gokak	Belgavi	Govankoppa to Gudikatti road.	2.04	8 to 7.5	8-10 km	182,000
751	5490	Kalburgi	Chincholi	MDR Hasargundagi cross to Marapalli	3	10 to 12 m	10 to 12 m	521,000
752	5493	Kalburgi	Jevargi	Hippargaga SN to Kasarbhosaga	4.56	10 to 12 m	10 to 12 m	521,000
753	5494	Kalburgi	Chincholi	SH 32 Hulsud cross to Hulsud	2.36	10 to 12 m	10 to 12 m	521,000
754	5495	Sira	Tumakuru	Improvements to Road from Chikkabanagere to Doddabanagere	3.01	5.5m to 6.5	7.50-10m	289,000
755	5498	Sira	Tumakuru	Improvements to Road from sira-changavara Road to Brahmasandra	2.32	5.5m to 6.5	7.50-10m	149,000
756	5499	Belagavi	Belgaum	Improvements to Honnnihal to Modaga main road	2.8	10 to 12m	8-10 km	149,000
757	5501	Belagavi	Belgaum	Improvements Road From Hulikatti to SH link road	1.2	10 to 12m	8-10 km	149,000
758	5502	Belagavi	Belgaum	Honnihal to Maharastra Border via Maradi Tota	1.8	10 to 12m	8-10 km	149,000
759	5506	Bengaluru Rural	Bengaluru Rural	Lakshmidivapura Road to Tubagere MDR via Timmiahahalli, Narasahalli	2.18	5-7	7-8 m	332,000
760	5508	Kolar	Kolar	Improvements of road from Raghupathi Aneban road to Bollahalli via Channasandra	3.3	7.5 to 10	7.5	149,000
761	5510	Belagavi	Belgaum	Improvements to Yellur to Railway line	2	6.5 to 7m	8-10 km	185,000
762	5511	Bengaluru (Rural)	Bengaluru Rural	Sondekoppa MDR (Gerahalli Gate) to Channasandra	4			149,000
763	5513	Bengaluru (Rural)	Bengaluru Rural	Taluk border(Sondekoppa) to Channasandra	2.7			149,000
764	5514	Bengaluru (Rural)	Bengaluru Rural	Thymagondalu-Marohalli MDR to Baradi MDR via Byranahalli, Vardanavakanahalli	4.6			149,000
765	5515	Bengaluru (Rural)	Bengaluru Rural	Thymagondalu-Hosahalli MDR to Bharathinagara border via Hosahalli, C.T Palya circle, C.T playa colony Vardanayakanahalli	3.25			149,000
766	5516	Bengaluru (Rural)	Bengaluru Rural	NH-48(Thonachinakuppe) to Yaramanchanahalli	2			149,000
767	5517	Bengaluru (Rural)	Bengaluru Rural	NH-75 to Gollahalli MDR via Chikkasolur , Chikkasolur colony, Bydarahalli.	3.5			149,000
768	5518	Bengaluru (Rural)	Bengaluru Rural	Narasapura Main Road (Hemapura Gate) to Arebommanahalli via Hemapura	3.5			149,000
769	5519	Bengaluru (Rural)	Bengaluru Rural	Shivagange MDR to Narsapura MDR via Parvathalanapalya, Kannasandra, Venkataiahnapalya, chikkanahalli, Vaderahalli	5.5			149,000
770	5520	Mandya	Mandya	Chandre to Vaddarahalli	1.7	7.5 to 10.00	7.5	226,000
771	118	Bagalkot	Badami	Improvements to road from (i) Hanamasagar to Narasapura via Somanakoppa (Road ID-118) in 2026/Bagalkot - ADB financed.	6.35	8 to 10m	8 to 10m	272,000
772	3644	Bagalkot	Badami	Improvements to road from (i) Bankaneri to join SH (Road ID-3644) in 2026/Bagalkot - ADB financed.	3.8	8 to 10m	8 to 10m	182,000
773	5251	Bagalkot	Badami	Improvements to road from (i) Neelagund to Aladakatti (Road ID-5251) in 2026/Bagalkot - ADB financed.	4.5	8 to 10m	8 to 10m	149,000
774	166	Bagalkot	Bagalkot	Improvements to road from (i) Hiremyageri to join T-02 (Road ID-166) in 2026/Bagalkot - ADB financed.	10.695	8 to 10m	8 to 10m	191,000
775	1571	Bagalkot	Bagalkot	Improvements to road from (i) Bommanagi(MDR) to join NH (Road ID-1571) in 2026/Bagalkot - ADB financed.	3.07	8 to 10m	8 to 10m	296,000
776	16	Bagalkot	Bilgi	Improvements to road from (i) Kalasakoppa to Join Kaladagi MDR (Road ID-16) in 2026/Bagalkot - ADB financed.	3.77	8 to 10m	8 to 10m	371,000
777	109	Bagalkot	Bilgi	Improvements to road from (i) Hosakote to Nandihal upto Taluk Border (Road ID-109) in 2026/Bagalkot - ADB financed.	3.1	8 to 10m	8 to 10m	191,000
778	4598	Bagalkot	Bilgi	Improvements to road from (i) Malagi to join Batakurki SH via Narenur LT1,Narenur LT2 (Road ID-4598) in 2026/Bagalkot - ADB financed.	8.2	8 to 10m	8 to 10m	296,000
779	2263	Bagalkot	Hungund	Improvements to road from (i) Sulibhavi Gorjanal Road To Talikeri (Road ID-2263) in 2026/Bagalkot - ADB financed.	3.93	8 to 10m	8 to 10m	206,000
780	2267	Bagalkot	Hungund	Improvements to road from (i) Iihal To Gorjanal (Road ID-2267) in 2026/Bagalkot - ADB financed.	4.35	8 to 10m	8 to 10m	281,000
781	3247	Bagalkot	Hungund	Improvements to road from (i) Ilkal To hulageri Upto Taluka Border (Road ID-3247) in 2026/Bagalkot - ADB financed.	3.4	8 to 10m	8 to 10m	191,000
782	3407	Bagalkot	Hungund	Improvements to road from (i) Ilkal To Chikkakodagali (Road ID-3407) in 2026/Bagalkot - ADB financed.	4.2	8 to 10m	8 to 10m	296,000
783	1324	Bagalkot	Jamkhandi	Improvements to road from (i) Link road from Jamkhandi-Savalagi road Sanal Santi road via Nyamagoud Vasthi (Road ID-1324) in 2026/Bagalkot - ADB financed.	4.95	8 to 10m	8 to 10m	296,000
784	4487	Bagalkot	Jamkhandi	Improvements to road from (i) Tubachi-Badagi road to Tungal interior road (Road ID-4487) in 2026/Bagalkot - ADB financed.	7.52	8 to 10m	8 to 10m	191,000
785	1579	Bagalkot	Mudhol	Improvements to road from (i) Aalagundi BK to Vajjaramatti Halagali MDR (Road ID-1579) in 2026/Bagalkot - ADB financed.	6.2	8 to 10m	8 to 10m	158,000
786	2087	Bagalkot	Mudhol	Improvements to road from (i) Nagaral To Nagaral Banadavasti Road (Road ID-2087) in 2026/Bagalkot - ADB financed.	4.7	8 to 10m	8 to 10m	296,000
787	4582	Bagalkot	Mudhol	Improvements to road from (i) Jeeragal Ingalagi Road to Budni road (Road ID-4582) in 2026/Bagalkot - ADB financed.	2.94	8 to 10m	8 to 10m	149,000
788	2818	Bagalkot	Terdal	Improvements to road from (i) Navalagi - Belagali to join Naragatti Road (Road ID-2818) in 2026/Bagalkot - ADB financed.	4.7	8 to 10m	8 to 10m	158,000

789	2821	Bagalkot	Terdal	Improvements to road from (i) Terdal to Koligudda Road Upto Taluka Border (Road ID-2821) in 2026/Bagalkot - ADB financed.	5.17	8 to 10m	8 to 10m	287,000
790	4607	Bagalkot	Terdal	Improvements to road from (i) Kulahalli-Madarkhandi to join SH 53 road (Road ID-4607) in 2026/Bagalkot - ADB financed.	3.65	8 to 10m	8 to 10m	158,000
791	671	Ballari	Bellary	Improvements to road from (i) Meehalli to joladarasi (Road ID-671) in 2026/Ballari - ADB financed.	5.5	9m to 13m	9m to 13m	193,000
792	679	Ballari	Bellary	Improvements to road from (i) Y Budihal cross road to Y Budihal - Bobbakunta main road via vijayapura camp (Road ID-679) in 2026/Ballari - ADB financed.	2.62	9m to 13m	9m to 13m	243,000
793	695	Ballari	Bellary	Improvements to road from (i) vanenur to Gududur camp (Road ID-695) in 2026/Ballari - ADB financed.	6.05	9m to 13m	9m to 13m	467,000
794	4749	Ballari	Bellary City	Improvements to road from (i) Improvements to road Thirumalanagar camp to Bandihatti via Mangamma camp , Hanuman Nagar, Mundragi,Guggarahatti, aldahalli Belgal cross (RBHLC Distributory canal and RBHLC Main canal) (ch: 0.00 to 15.05 km) in Ballari constituency (Road ID-4749) in 2026/Ballari - ADB financed.	15.06	7.5	7.5	371,000
795	3366	Ballari	Hadagali	Improvements to road from (i) SH to Manyara Masalawada Via Basarakodu thanda (Road ID-3366) in 2026/Ballari - ADB financed.	6.3	8 to 10	7.5	116,000
796	4799	Ballari	Hadagali	Improvements to road from (i) Dombarahalli to Kuruvatti Plot (Road ID-4799) in 2026/Ballari - ADB financed.	3.35	8 to 10	7.5	371,000
797	4911	Ballari	Hadagali	Improvements to road from (i) SH to Thumbinakere sanna thanda (Road ID-4911) in 2026/Ballari - ADB financed.	3.8	8 to 10	7.5	116,000
798	810	Ballari	Kampli	Improvements to road from (i) Basarakodu to Gududur via allum sumangalamma camp from Ch 4.50Km to 7.62Km (Road ID-810) in 2026/Ballari - ADB financed.	3.23	9m to 13m	9m to 13m	184,000
799	825	Ballari	Kampli	Improvements to road from (i) Mustagatta to Arjun raj camp via baburao camp (Road ID-825) in 2026/Ballari - ADB financed.	6.68	9m to 13m	9m to 13m	284,000
800	3367	Ballari	Kampli	Improvements to road from (i) Somalapura cross to H Veerapura via Somalapura chitiginahal (Road ID-3367) in 2026/Ballari - ADB financed.	6.35	9m to 13m	9m to 13m	385,000
801	2765	Ballari	Sandur	Improvements to road from (i) Improvements to road from Bommagatta to Tippanamaradi cross via jigenhalli, Tippanamaradi till kalingeri (Road ID-2765) in 2026/Ballari - ADB financed.	7.65	7.5	7.5	149,000
802	2968	Ballari	Sandur	Improvements to road from (i) Gouripura to D.B.Halli Cross via S Oblapura (Road ID-2968) in 2026/Ballari - ADB financed.	3.6	7.5	7.5	149,000
803	4468	Ballari	Sandur	Improvements to road from (i) yelubench to halemadapura (Road ID-4468) in 2026/Ballari - ADB financed.	2.63	7.5	7.5	158,000
804	4925	Ballari	Sandur	Improvements to road from (i) Yelubench to Taluka Border (Kurugodu road) (Road ID-4925) in 2026/Ballari - ADB financed.	2.4	7.5	7.5	263,000
805	630	Ballari	Siraguppa	Improvements to road from (i) Akhal to kotalachinta (Road ID-630) in 2026/Ballari - ADB financed.	3.15	9m to 13m	9m to 13m	184,000
806	901	Ballari	Siraguppa	Improvements to road from (i) Gajjiginahal to join Ibrahimpura Bagewadi road via Basvanna camp (Road ID-901) in 2026/Ballari - ADB financed.	3.27	9m to 13m	9m to 13m	134,000
807	904	Ballari	Siraguppa	Improvements to road from (i) K Sugur to Hirehal (Road ID-904) in 2026/Ballari - ADB financed.	2.43	9m to 13m	9m to 13m	134,000
808	909	Ballari	Siraguppa	Improvements to road from (i) B G Dinni to join Ravihal-Hatcholli main road (Road ID-909) in 2026/Ballari - ADB financed.	2.4	9m to 13m	9m to 13m	184,000
809	4007	Ballari	Siraguppa	Improvements to road from (i) Gundiganuru to sirigeri via gundiganuru camp (Road ID-4007) in 2026/Ballari - ADB financed.	3.28	9m to 13m	9m to 13m	299,000
810	3378	Ballari	Vijayanagara	Improvements to road from (i) Malapanagudi thanda to galemmanagudi (Road ID-3378) in 2026/Ballari - ADB financed.	3	7.5	7.5	191,000
811	4446	Ballari	Vijayanagara	Improvements to road from (i) Hampi to 76 Venkatapura (Road ID-4446) in 2026/Ballari - ADB financed.	8.34	7.5	7.5	296,000
812	1902	Belagavi	Arabhavi	Improvements to road from (i) Rajapur to Kalloli (Road ID-1902) in 2026/Gokak - ADB financed.	5	9m to 12m	9m to 12m	149,000
813	1911	Belagavi	Arabhavi	Improvements to road from (i) Shivapur to Mahalingapur Road (Road ID-1911) in 2026/Gokak - ADB financed.	3.53	9m to 12m	9m to 12m	149,000
814	4815	Belagavi	Arabhavi	Improvements to road from (i) Arabhavi to Sangankeri via Parmadi road (Road ID-4815) in 2026/Gokak - ADB financed.	2.1	9m to 12m	9m to 12m	281,000
815	2191	Belagavi	Athani	Improvements to road from (i) Improvements to Road Yelihadalgi (SH-72) to State Border via Adalatti (Road ID-2191) in 2026/Belagavi - ADB financed.	8.85	9m to 12m	10m to 12m	158,000
816	3652	Belagavi	Athani	Improvements to road from (i) Improvement to Road Darur to Taluka Border (Siddapur) via Aravatagi Vasti (Road ID-3652) in 2026/Belagavi - ADB financed.	5.52	8m to 10m	10m to 12m	287,000
817	4646	Belagavi	Athani	Improvements to road from (i) Improvements to Road Savadi RC Road to MDR(Athani Jamkhandi Road) (Road ID-4646) in 2026/Belagavi - ADB financed.	5.39	7m to 9m	10m to 12m	158,000
818	2043	Belagavi	Bailhongal	Improvements to road from (i) Bailhongal to Amatur road (Road ID-2043) in 2026/Gokak - ADB financed.	4.48	7.5	7.5	239,000
819	2044	Belagavi	Bailhongal	Improvements to road from (i) Bailhongal to Bailwad road (Road ID-2044) in 2026/Gokak - ADB financed.	3.8	7.5	7.5	182,000
820	5229	Belagavi	Bailhongal	Improvements to road from (i) Bailhongal to Murkibhavi to Bailwad road. (Road ID-5229) in 2026/Gokak - ADB financed.	5.2	7	7	149,000
821	5230	Belagavi	Bailhongal	Improvements to road from (i) Sanikoppa cross to Chivatgundi road (Road ID-5230) in 2026/Gokak - ADB financed.	2.7	7.5	7.5	249,000
822	1837	Belagavi	Belgaum Dakshin	Improvements to road from (i) Improvements Road From Peeranawadi To Hunchanatti Road (Road ID-1837) in 2026/Belagavi - ADB financed.	2.06	7.5	7.5	422,000
823	5313	Belagavi	Belgaum Dakshin	Improvements to road from (i) Improvements to road from Yellur to Dhamane (Road ID-5313) in 2026/Belagavi - ADB financed.	2.5	7.5	7.5	149,000

824	5314	Belagavi	Belgaum Dakshin	Improvements to road from (i) Improvements to road from Yellur to Jad Shahapur (Road ID-5314) in 2026/Belagavi - ADB financed.	4	7.5	7.5	149,000
825	5315	Belagavi	Belgaum Dakshin	Improvements to road from (i) Improvements to road from Yellur to Majagaon (Road ID-5315) in 2026/Belagavi - ADB financed.	2.39	7.5	7.5	149,000
826	1850	Belagavi	Belgaum Rural	Improvements to road from (i) Improvements Road From Kudremani to Sonoli Road (Road ID-1850) in 2026/Belagavi - ADB financed.	3.4	7m to 8m	7m to 8m	149,000
827	2056	Belagavi	Belgaum Rural	Improvements to road from (i) Improvements Road From Belagundi To Bokanur Upto Shantabai Temple (Road ID-2056) in 2026/Belagavi - ADB financed.	2.86	7m to 8m	7m to 8m	194,000
828	4384	Belagavi	Belgaum Rural	Improvements to road from (i) Rakkaskoppa to belagundi Belavatti Road (Road ID-4384) in 2026/Belagavi - ADB financed.	2.55	9m to 12m	9m to 12m	272,000
829	4857	Belagavi	Belgaum Rural	Improvements to road from (i) Improvements Road From Hulikavi To Badas (Road ID-4857) in 2026/Belagavi - ADB financed.	3.75	9m to 12m	9m to 12m	149,000
830	4828	Belagavi	Belgaum Uttar	Improvements to road from (i) Improvements to road from Shindolli to Alarwad via Basavan Kudachi. (Road ID-4828) in 2026/Belagavi - ADB financed.	1.72	9m to 12m	9m to 12m	305,000
831	4863	Belagavi	Belgaum Uttar	Improvements to road from (i) Improvements Road From Alarwad Shindoli Road To Join Halaga (Road ID-4863) in 2026/Belagavi - ADB financed.	3.5	7m to 8m	7m to 8m	149,000
832	4879	Belagavi	Belgaum Uttar	Improvements to road from (i) Improvements to road from Kanabragi To Railway line Road (Road ID-4879) in 2026/Belagavi - ADB financed.	1.5	7m to 8m	7m to 8m	149,000
833	1692	Belagavi	Chikkodi-Sadalga	Improvements to road from (i) Improvements to road from Ingali to Shedabal via Ganesh Nagar (Road ID-1692) in 2026/Belagavi - ADB financed.	3.371	6m to 8m	10m to 12m	239,000
834	1693	Belagavi	Chikkodi-Sadalga	Improvements to road from (i) Improvements to road from Kothali to Giragaon Bus stop (Road ID-1693) in 2026/Belagavi - ADB financed.	3.07	8m to 10m	10m to 12m	149,000
835	4720	Belagavi	Chikkodi-Sadalga	Improvements to road from (i) Improvements to road from Pattankodi village to Join Gavan - M.N. Road via Murarji Desai School (Road ID-4720) in 2026/Belagavi - ADB financed.	2.06	9m to 12m	10m to 12m	149,000
836	4769	Belagavi	Chikkodi-Sadalga	Improvements to road from (i) Improvements to road from New Ingali to join Manjari-Ingali road (Road ID-4769) in 2026/Belagavi - ADB financed.	3.34	6m to 8m	10m to 12m	149,000
837	4849	Belagavi	Chikkodi-Sadalga	Improvements to road from (i) Improvements to road from Shiragonwadi to Bhaj Cross (Ch. 2.30 to 4.60 Km) (Road ID-4849) in 2026/Belagavi - ADB financed.	2.85	9m to 12m	10m to 12m	149,000
838	4890	Belagavi	Gokak	Improvements to road from (i) Shindikurbet to ghataprbha main road (Road ID-4890) in 2026/Gokak - ADB financed.	2.5	7m to 8m	7m to 8m	149,000
839	5046	Belagavi	Gokak	Improvements to road from (i) Benchinmaradi to Sainik nagar (Road ID-5046) in 2026/Gokak - ADB financed.	2.78	9m to 12m	9m to 12m	305,000
840	5048	Belagavi	Gokak	Improvements to road from (i) Telaginatti to madwal (Road ID-5048) in 2026/Gokak - ADB financed.	2.95	9m to 12m	9m to 12m	149,000
841	1489	Belagavi	Hukkeri	Improvements to road from (i) Improvements to Road from Hargapurgad to Ankle road (Road ID-1489) in 2026/Belagavi - ADB financed.	3.73	7m to 8m	7m to 8m	272,000
842	3616	Belagavi	Hukkeri	Improvements to road from (i) Improvements to road from Hukkeri to Hidakal Dam dayke Road Via Yarnal (Road ID-3616) in 2026/Belagavi - ADB financed.	2.2	9m to 12m	9m to 12m	149,000
843	3701	Belagavi	Hukkeri	Improvements to road from (i) Improvements to road from Solapur to champa Hosur (Road ID-3701) in 2026/Belagavi - ADB financed.	2.56	9m to 12m	9m to 12m	149,000
844	4337	Belagavi	Hukkeri	Improvements to road from (i) Kamatnur Ammanagi Road to Amminabhavi Via Naganur tota (Road ID-4337) in 2026/Belagavi - ADB financed.	2.68	9m to 12m	9m to 12m	149,000
845	2129	Belagavi	Kagwad	Improvements to road from (i) Improvements to Road Lokur (NH-548B) To Ugar BK via Turaiwadi (Road ID-2129) in 2026/Belagavi - ADB financed.	8.12	8m to 10m	10m to 12m	191,000
846	2132	Belagavi	Kagwad	Improvements to road from (i) Improvements to Road Bevanur to Malabad (SH-31) (Road ID-2132) in 2026/Belagavi - ADB financed.	4.85	8m to 10m	10m to 12m	296,000
847	1712	Belagavi	Khanapur	Improvements to road from (i) Improvements Road From Gudenahatti To Buranaki Cross Road (Road ID-1712) in 2026/Belagavi - ADB financed.	6.4	8m to 10m	8m to 10m	305,000
848	1761	Belagavi	Khanapur	Improvements to road from (i) Improvements Road From Kakkeri to Pradnya ashram road (Road ID-1761) in 2026/Belagavi - ADB financed.	2.5	8m to 10m	8m to 10m	149,000
849	4394	Belagavi	Khanapur	Improvements to road from (i) Improvements road from Ganeball To Katagali R (Road ID-4394) in 2026/Belagavi - ADB financed.	5.64	8m to 10m	8m to 10m	149,000
850	4187	Belagavi	Kittur	Improvements to road from (i) Savatgi to Khodanpur Belawadi road (Road ID-4187) in 2026/Gokak - ADB financed.	2.625	8m to 10m	8m to 10m	149,000
851	4806	Belagavi	Kittur	Improvements to road from (i) Vannur to Chickbudnur road. (Road ID-4806) in 2026/Gokak - ADB financed.	3.14	9m to 12m	9m to 12m	149,000
852	4808	Belagavi	Kittur	Improvements to road from (i) Nagnur to Sanikoppa road. (Road ID-4808) in 2026/Gokak - ADB financed.	3.73	9m to 12m	9m to 12m	149,000
853	4809	Belagavi	Kittur	Improvements to road from (i) Neginhal to Navanagar road. (Road ID-4809) in 2026/Gokak - ADB financed.	2.76	9m to 12m	9m to 12m	282,000
854	1814	Belagavi	Kudachi	Improvements to road from (i) Improvement to Road Yekaratti (SH-53) to Taluka Border (Road ID-1814) in 2026/Belagavi - ADB financed.	3.37	8m to 10m	8m to 10m	149,000
855	2098	Belagavi	Kudachi	Improvements to road from (i) Improvements to Road Paramanandwadi to Yelparatti Bangalow (SH-53) (Road ID-2098) in 2026/Belagavi - ADB financed.	3.79	6m to 8m	10m	272,000
856	2429	Belagavi	Kudachi	Improvements to road from (i) Improvements to Road Harugeru to SH-53 via Badanekai Tota (Road ID-2429) in 2026/Belagavi - ADB financed.	3.94	7m to 9m	10m to 12m	149,000

857	3372	Belagavi	Kudachi	Improvements to road from (i) Improvement to Road Handigund to Taluka Border (Golbhavi Road) (Road ID-3372) in 2026/Belagavi - ADB financed.	3.48	8m to 10m	10m to 12m	149,000
858	1703	Belagavi	Nippani	Improvements to road from (i) Improvements to Road from Gavan Mane vasti to T-10 (Road ID-1703) in 2026/Belagavi - ADB financed.	2.76	8m to 10m	10m to 12m	149,000
859	1708	Belagavi	Nippani	Improvements to road from (i) Improvements to road from Gajabawadi Sulakud to T-13 (Road ID-1708) in 2026/Belagavi - ADB financed.	3.7	9m to 12m	10m to 12m	149,000
860	3686	Belagavi	Nippani	Improvements to road from (i) Improvements to road from Jatrat Kamat vasti to Padlihal via Jatrat (Road ID-3686) in 2026/Belagavi - ADB financed.	3.83	6m to 8m	10m to 12m	149,000
861	4197	Belagavi	Nippani	Improvements to road from (i) Improvements to road from Jainwadi to MDR via Bollewadi (Road ID-4197) in 2026/Belagavi - ADB financed.	2.02	6m to 8m	10m to 12m	272,000
862	1999	Belagavi	Ramdurg	Improvements to road from (i) Guttigoli Addapatti Tota to Hosakoti Road (Road ID-1999) in 2026/Gokak - ADB financed.	4.5	8m to 10m	8m to 10m	167,000
863	2003	Belagavi	Ramdurg	Improvements to road from (i) Kullur to Bijaguppi Road (Road ID-2003) in 2026/Gokak - ADB financed.	4.05	8m to 10m	8m to 10m	149,000
864	2005	Belagavi	Ramdurg	Improvements to road from (i) Kamakeri to Budnikhurda Road (Road ID-2005) in 2026/Gokak - ADB financed.	3.3	8m to 10m	8m to 10m	272,000
865	5127	Belagavi	Ramdurg	Improvements to road from (i) Torangatti to Padamandi road (Road ID-5127) in 2026/Gokak - ADB financed.	2.16	8m to 10m	8m to 10m	149,000
866	2357	Belagavi	Raybag	Improvements to road from (i) Improvements to Road from Nagarmunnoli to Join Belakud Kenchanati Road via Managule tota (Road ID-2357) in 2026/Belagavi - ADB financed.	3.52	8m to 10m	10m to 12m	158,000
867	2381	Belagavi	Raybag	Improvements to road from (i) Improvements to Road from Itnal to Raibag Nagarmunnoli Road (Road ID-2381) in 2026/Belagavi - ADB financed.	4.83	9m to 10m	10m to 12m	287,000
868	4788	Belagavi	Raybag	Improvements to road from (i) Improvements to road from Old Diggewadi to New Diggewadi (Road ID-4788) in 2026/Belagavi - ADB financed.	2.64	8m to 10m	8m to 10m	158,000
869	2007	Belagavi	Saundatti Yellamma	Improvements to road from (i) Madlur to Benakatti Road (Road ID-2007) in 2026/Gokak - ADB financed.	2.47	8m to 10m	8m to 10m	272,000
870	2015	Belagavi	Saundatti Yellamma	Improvements to road from (i) Tallur to Benakatti (Road ID-2015) in 2026/Gokak - ADB financed.	4.68	8m to 10m	8m to 10m	149,000
871	2024	Belagavi	Saundatti Yellamma	Improvements to road from (i) Hooli to Chulaki Road (Road ID-2024) in 2026/Gokak - ADB financed.	6.63	8m to 10m	8m to 10m	149,000
872	4330	Belagavi	Saundatti Yellamma	Improvements to road from (i) Rainapur to Nugganatti tota (Road ID-4330) in 2026/Gokak - ADB financed.	1.586	8m to 10m	8m to 10m	149,000
873	1805	Belagavi	Yemkanamardi	Improvements to road from (i) Improvements to road from Masaguppi to Join SH-44 Road (Road ID-1805) in 2026/Belagavi - ADB financed.	2.45	9m to 12m	9m to 12m	272,000
874	1824	Belagavi	Yemkanamardi	Improvements to road from (i) Improvements to Road from Nangnur shiddal to Malatti Road (Road ID-1824) in 2026/Belagavi - ADB financed.	4.2	9m to 12m	9m to 12m	149,000
875	5348	Belagavi	Yemkanamardi	Improvements to road from (i) Improvements road from chikkaladinni to hosaghad road (Road ID-5348) in 2026/Belagavi - ADB financed.	3.99	9m to 12m	9m to 12m	149,000
876	5350	Belagavi	Yemkanamardi	Improvements to road from (i) Improvements road from Bidrewadi To Attihal Chakra Road Upto Maharashtra Border road (Road ID-5350) in 2026/Belagavi - ADB financed.	4.6	9m to 12m	9m to 12m	149,000
877	1706	Bengaluru (Rural)	Devanahalli	Improvements to road from (i) IVC Road to CTR via Naraganahally, Doddacheemanahally (Road ID-1706) in 2026/Bengaluru (Rural) - ADB financed.	4.61	6-7	7.5-8	389,000
878	2144	Bengaluru (Rural)	Doddaballapur	Improvements to road from (i) NH 648 to Boochanahalli via Rampura, Bhaktharahalli, Madeshwara (Road ID-2144) in 2026/Bengaluru (Rural) - ADB financed.	8.6	6.5m-7.5m	8.1m	521,000
879	1717	Bengaluru (Rural)	Hosakote	Improvements to road from (i) SH-35 to Giddappanahally via., Bettahally (Road ID-1717) in 2026/Bengaluru (Rural) - ADB financed.	2.73	6.5m-7.5m	8.1m	413,000
880	4578	Bengaluru (Rural)	Hosakote	Improvements to road from (i) MDR Near Arehally to Govindhapura via., Arehally, Dalasagere (Road ID-4578) in 2026/Bengaluru (Rural) - ADB financed.	3.66	6.5m-7.5m	8.1m	199,000
881	4579	Bengaluru (Rural)	Hosakote	Improvements to road from (i) Nandagudi - Bylanarasapura MDR to K-Settahally Cross via., Meduru, Siddenahally (Road ID-4579) in 2026/Bengaluru (Rural) - ADB financed.	2.92	6.5m-7.5m	8.1m	299,000
882	5272	Bengaluru (Rural)	Hosakote	Improvements to road from (i) Handenahally MDR to S-Narayanakere MDR via Banarahalli (Road ID-5272) in 2026/Bengaluru (Rural) - ADB financed.	3.27	6.5m-7.5m	8.1m	308,000
883	703	Bengaluru (Urban)	Anekal	Improvements to road from (i) Iggalur (Chandapura Main Road) to Bandapura-Balagaranahalli Main Road (Road ID-703) in 2026/Bengaluru (Urban) - ADB financed.	3.62	7m-8m	7.5m	198,000
884	2735	Bengaluru (Urban)	Anekal	Improvements to road from (i) Chandapura-Anekal (MDR) Road to MDR via Karpura colony, Karpura, Thattanahalli, Avadadenahalli (Road ID-2735) in 2026/Bengaluru (Urban) - ADB financed.	5	7m-8m	7.5m	207,000
885	3996	Bengaluru (Urban)	Anekal	Improvements to road from (i) MDR (Ramasagara) to Singhena Agrahara-Ramasagara Road via Ramasagara Ambedkar Colony Vaddarapalya (Road ID-3996) in 2026/Bengaluru (Urban) - ADB financed.	3.2	8m-11m	8m-11m	198,000
886	5214	Bengaluru (Urban)	Bangalore South	Improvements to road from (i) Vaderamanchanahalli to Bengaluru South Taluk Border via Nosenuru Gollahalli (Road ID-5214) in 2026/Bengaluru (Urban) - ADB financed.	5.25	7m-8m	7.5m	371,000
887	704	Bengaluru (Urban)	Yelahanka	Improvements to road from (i) MARATIPALYA TO HUSKUR (Road ID-704) in 2026/Bengaluru (Urban) - ADB financed.	1.888	7m-8m	7.5m	180,500

888	710	Bengaluru (Urban)	Yelahanka	Improvements to road from (i) NARASIPURA TO ALUR (Road ID-710) in 2026/Bengaluru (Urban) - ADB financed.	2.86	7m-8m	7.5m	271,500
889	1686	Bengaluru (Urban)	Yelahanka	Improvements to road from (i) AVERAHALLI MAIN ROAD TO LAKKENAHALLI CROSS (Road ID-1686) in 2026/Bengaluru (Urban) - ADB financed.	1.86	7m-8m	7.5m	186,500
890	4070	Bengaluru (Urban)	Yelahanka	Improvements to road from (i) BETHANAGERE TO HUSKUR MAIN ROAD VIA DODDIPALYA (Road ID-4070) in 2026/Bengaluru (Urban) - ADB financed.	1.41	7m-8m	7.5m	180,500
891	726	Bengaluru (Urban)	Yeshwanthapura	Improvements to road from (i) YELACHAGUPPE TO SH-85 (MAGADI MAIN ROAD) VIA JATTIPALYA (Road ID-726) in 2026/Bengaluru (Urban) - ADB financed.	2.45	7m-8m	7.5m	271,500
892	4218	Bengaluru (Urban)	Yeshwanthapura	Improvements to road from (i) CHUNCHANAGUPPE MAIN ROAD TO KOLUR MAIN ROAD (Road ID-4218) in 2026/Bengaluru (Urban) - ADB financed.	1.72	7m-8m	7.5m	180,500
893	4220	Bengaluru (Urban)	Yeshwanthapura	Improvements to road from (i) GANAPATHIHALLI VILLAGE TO PUNUGAMARANAHALLI VILLAGE JUNCTION (Road ID-4220) in 2026/Bengaluru (Urban) - ADB financed.	1.08	7m-8m	7.5m	345,500
894	4268	Bengaluru (Urban)	Yeshwanthapura	Improvements to road from (i) Chandrappa Circle- Unnigere Main road to Ajjanahalli via Muddanapalya (Road ID-4268) in 2026/Bengaluru (Urban) - ADB financed.	2.25	7m-8m	7.5m	171,500
895	617	Bidar	Aurad	Improvements to road from (i) Jeerga (B) to Shembelli Via Jeerga (K) (Road ID-617) in 2026/Bidar - ADB financed.	3.71	10 to 12m	10 to 12m	158,000
896	2270	Bidar	Aurad	Improvements to road from (i) SH 123 to Bedkunda (Road ID-2270) in 2026/Bidar - ADB financed.	2.39	10 to 12m	10 to 12m	149,000
897	2271	Bidar	Aurad	Improvements to road from (i) Kamalnagar to Murg (K) (Road ID-2271) in 2026/Bidar - ADB financed.	2.14	10 to 12m	10 to 12m	149,000
898	2274	Bidar	Aurad	Improvements to road from (i) Dongoon (M) to Hakkyal via Randiyal (Road ID-2274) in 2026/Bidar - ADB financed.	3	10 to 12m	10 to 12m	263,000
899	564	Bidar	Basavakalyan	Improvements to road from (i) Muchlamb to Gadiraipalli (Road ID-564) in 2026/Bidar - ADB financed.	3.18	10 to 12m	10 to 12m	149,000
900	565	Bidar	Basavakalyan	Improvements to road from (i) Khandala to Anandwadi (Road ID-565) in 2026/Bidar - ADB financed.	3.21	10 to 12m	10 to 12m	263,000
901	567	Bidar	Basavakalyan	Improvements to road from (i) Belur to Khandala Cross (Road ID-567) in 2026/Bidar - ADB financed.	3.2	10 to 12m	10 to 12m	158,000
902	3294	Bidar	Basavakalyan	Improvements to road from (i) Devnal to NH 752-K via Mechhal (Road ID-3294) in 2026/Bidar - ADB financed.	3.7	10 to 12m	10 to 12m	149,000
903	3157	Bidar	Bhalki	Improvements to road from (i) Dongapur village to Bhalki cross (Road ID-3157) in 2026/Bidar - ADB financed.	3.3	10 to 12m	10 to 12m	158,000
904	3162	Bidar	Bhalki	Improvements to road from (i) Ucha to Warwatti wadi (Road ID-3162) in 2026/Bidar - ADB financed.	3.26	10 to 12m	10 to 12m	149,000
905	3164	Bidar	Bhalki	Improvements to road from (i) Srimalli to Alawai (upto MDR) (Road ID-3164) in 2026/Bidar - ADB financed.	3.7	10 to 12m	10 to 12m	263,000
906	3751	Bidar	Bhalki	Improvements to road from (i) Halsi (L) to Wagalgaoon (Road ID-3751) in 2026/Bidar - ADB financed.	3.2	10 to 12m	10 to 12m	249,000
907	627	Bidar	Bidar	Improvements to road from (i) Gadgi to Nandgoan (Road ID-627) in 2026/Bidar - ADB financed.	3.65	10 to 12m	10 to 12m	149,000
908	1013	Bidar	Bidar	Improvements to road from (i) Benaknalli (SH-122) to Markhal (NH-161 A) (Road ID-1013) in 2026/Bidar - ADB financed.	3	10 to 12m	10 to 12m	263,000
909	1014	Bidar	Bidar	Improvements to road from (i) Daddapur to Janwada (Road ID-1014) in 2026/Bidar - ADB financed.	2.73	10 to 12m	10 to 12m	158,000
910	1017	Bidar	Bidar	Improvements to road from (i) Aliamber to Taluk border (Kosam) via vilasapur (Road ID-1017) in 2026/Bidar - ADB financed.	6.45	10 to 12m	10 to 12m	149,000
911	1866	Bidar	Bidar South	Improvements to road from (i) CHANGLERA TO UDAMNALLI VIA KARPAKALLI AND POLAKPALLI (Road ID-1866) in 2026/Bidar - ADB financed.	5.72	10 to 12m	10 to 12m	206,000
912	3291	Bidar	Bidar South	Improvements to road from (i) NIRNA TO BASHIRAPUR (Road ID-3291) in 2026/Bidar - ADB financed.	5.58	10 to 12m	10 to 12m	281,000
913	1294	Bidar	Humnabad	Improvements to road from (i) FATHIMAPUR TO WALKHINDI -ITGA JUNCTION (BALANCE LENGTH) (Road ID-1294) in 2026/Bidar - ADB financed.	4.867	10 to 12m	10 to 12m	182,000
914	3444	Bidar	Humnabad	Improvements to road from (i) Pandergera to MDR (Road ID-3444) in 2026/Bidar - ADB financed.	4.172	10 to 12m	10 to 12m	158,000
915	4499	Bidar	Humnabad	Improvements to road from (i) MDR to Rajola Tanda (Road ID-4499) in 2026/Bidar - ADB financed.	2.784	10 to 12m	10 to 12m	263,000
916	344	Chamarajanagara	Chamarajanagar	Improvements to road from (i) Improvements to Road from Handrakalli Mole to Madapura via Handrakalli (Road ID-344) in 2026/Mysuru - ADB financed.	3.4	10 to 12m	10 to 12m	266,000
917	677	Chamarajanagara	Chamarajanagar	Improvements to road from (i) Improvements to Road from Kempanapura to Mangala via Mangala Hosur (Road ID-677) in 2026/Mysuru - ADB financed.	2.9	10 to 12m	10 to 12m	266,000
918	707	Chamarajanagara	Chamarajanagar	Improvements to road from (i) Improvements to Road from K.Basavanapura to Masagapura via Kadahalli (Road ID-707) in 2026/Mysuru - ADB financed.	5.6	10 to 12m	10 to 12m	166,000
919	713	Chamarajanagara	Chamarajanagar	Improvements to road from (i) Improvements to Road from Kotamballi to Alur Main Road via Kariyanakatte (Road ID-713) in 2026/Mysuru - ADB financed.	2.77	10 to 12m	10 to 12m	471,000
920	1356	Chamarajanagara	Gundlupet	Improvements to road from (i) NH near Halladamadahalli to Kabbahalli joining road via Haklapura (Road ID-1356) in 2026/Mysuru - ADB financed.	8.4	10 to 12m	10 to 12m	521,000
921	1376	Chamarajanagara	Gundlupet	Improvements to road from (i) Puthanapura to Annur Keri via Bendaravadi (Road ID-1376) in 2026/Mysuru - ADB financed.	6.6	10 to 12m	10 to 12m	266,000
922	2459	Chamarajanagara	Kollegal	Improvements to road from (i) Improvements to Road from Rechamballi to Boodamballi Mole via Boodamballi & H.Mukhaahally (Road ID-2459) in 2026/Mysuru - ADB financed.	5.25	10 to 12m	10 to 12m	521,000

923	2462	Chamarajanagara	Kollegal	Improvements to road from (i) Improvements to Road from Chatpura to Yelandur Taluk Border at Dasanahundi via Chatipura, Kallipura, Gangavadi, Yelandur Border (Road ID-2462) in 2026/Mysuru - ADB financed.	4.7	10 to 12m	10 to 12m	266,000
924	4062	Chamarajanagara	Kollegal	Improvements to road from (i) Improvements to Road from Changachalli to Boodambally (Road ID-4062) in 2026/Mysuru - ADB financed.	2.42	10 to 12m	10 to 12m	216,000
925	4876	Chamarajanagara	Kollegal	Improvements to road from (i) Taluk Border to Ganaganur via Sottanahundi, Ganganur (Road ID-4876) in 2026/Mysuru - ADB financed.	2.52	10 to 12m	10 to 12m	116,000
926	491	Chikkaballapura	Bagepalli	Improvements to road from (i) Manjunathapura to Taluk Border (Peddapalli Thanda) via Kottampalli- Buddalavaripalli- Chakavelu- Maddireddipalli, Peddapalli Thanda (Road ID-491) in 2026/Chikkaballapura - ADB financed.	8.22	11 to 12	11 to 12	116,000
927	4081	Chikkaballapura	Bagepalli	Improvements to road from (i) Nh near Paragodu to BB road via Srinivasapura, Karakur (Road ID-4081) in 2026/Chikkaballapura - ADB financed.	5.3	11 to 12	11 to 12	371,000
928	470	Chikkaballapura	Chikkaballapur	Improvements to road from (i) Darbur To Siddaganahalli Via Udagirinalappanahalli Rampatna Vantoor, Nelaganpatna (Road ID-470) in 2026/Chikkaballapura - ADB financed.	3.875	11 to 12	11 to 12	116,000
929	476	Chikkaballapura	Chikkaballapur	Improvements to road from (i) Kondenahalli to Hosahudya via Kadaseganahalli (Road ID-476) in 2026/Chikkaballapura - ADB financed.	5.3	11 to 12	11 to 12	116,000
930	5219	Chikkaballapura	Chikkaballapur	Improvements to road from (i) Reddihally to Gangarekaluve MDR via Thalagenahalli (Road ID-5219) in 2026/Chikkaballapura - ADB financed.	4.51	11 to 12	11 to 12	371,000
931	3117	Chikkaballapura	Chintamani	Improvements to road from (i) Kanampalli to Doddakondrahalli, via Kavaliganahalli, Narayanahalli, Vaddahalli, Chikkondrahalli, , (Road ID-3117) in 2026/Chikkaballapura - ADB financed.	7.005	11 to 12	11 to 12	116,000
932	3868	Chikkaballapura	Chintamani	Improvements to road from (i) BB road to Narasapura via Palepalli, Sheththalli, Anakal (Road ID-3868) in 2026/Chikkaballapura - ADB financed.	7.49	11 to 12	11 to 12	371,000
933	3870	Chikkaballapura	Chintamani	Improvements to road from (i) NH-69 to CC road via Oolavadi (Road ID-3870) in 2026/Chikkaballapura - ADB financed.	4.59	11 to 12	11 to 12	116,000
934	3878	Chikkaballapura	Chintamani	Improvements to road from (i) SH near Jodi-Brahmanadinne to Alambagiri via Kothur (Road ID-3878) in 2026/Chikkaballapura - ADB financed.	3.46	11 to 12	11 to 12	116,000
935	398	Chikkaballapura	Gauribidanur	Improvements to road from (i) Taluk Border to SH via Chikkamallekere via Doddamallekere, Yerragunte (Road ID-398) in 2026/Chikkaballapura - ADB financed.	4.525	11 to 12	11 to 12	371,000
936	410	Chikkaballapura	Gauribidanur	Improvements to road from (i) NH-234 TO H. Nagasandra via Udamalodu (Road ID-410) in 2026/Chikkaballapura - ADB financed.	6.575	11 to 12	11 to 12	116,000
937	113	Chikkaballapura	Sidlaghatta	Improvements to road from (i) Basavapathna to Ragimakkalahalli via Bhaktharahalli (Road ID-113) in 2026/Chikkaballapura - ADB financed.	6.31	11 to 12	11 to 12	371,000
938	3182	Chikkaballapura	Sidlaghatta	Improvements to road from (i) SH to Someshwara via Iragappahalli, godimnichenahalli, S.Devaganahalli (Road ID-3182) in 2026/Chikkaballapura - ADB financed.	7.63	11 to 12	11 to 12	116,000
939	2456	Chikkamagaluru	Chikkamagalur	Improvements to road from (i) Thippagondanahalli To Chikkadevanooru Via S Bommenahalli and Doddibeerenahalli (Road ID-2456) in 2026/Chikkamagaluru - ADB financed.	4.45	10 to 12 m	10 to 12 m	332,000
940	5258	Chikkamagaluru	Chikkamagalur	Improvements to road from (i) Nagenahalli to Gangabasavanahalli via Pillenahalli (Road ID-5258) in 2026/Chikkamagaluru - ADB financed.	4.5	10 to 12 m	10 to 12 m	239,000
941	5270	Chikkamagaluru	Chikkamagalur	Improvements to road from (i) Swamykatte road to Hosalli Via Chandrashekarapura and Ketumaranahalli (Road ID-5270) in 2026/Chikkamagaluru - ADB financed.	4.8	10 to 12 m	10 to 12 m	182,000
942	3562	Chikkamagaluru	Kadur	Improvements to road from (i) Madalu To Keresante road(MDR) Via Huligundi and H Hosur (Road ID-3562) in 2026/Chikkamagaluru - ADB financed.	3.14	10 to 12 m	10 to 12 m	282,000
943	3703	Chikkamagaluru	Kadur	Improvements to road from (i) Bantiganahalli to Chikkabasur Road via Siddarahalli (Road ID-3703) in 2026/Chikkamagaluru - ADB financed.	4.44	10 to 12 m	10 to 12 m	158,000
944	3853	Chikkamagaluru	Kadur	Improvements to road from (i) Jignehalli To Gollarahalli via PancheHosahalli (Road ID-3853) in 2026/Chikkamagaluru - ADB financed.	6.69	10 to 12 m	10 to 12 m	263,000
945	3471	Chikkamagaluru	Mudigere	Improvements to road from (i) Mugulavalli to Biggadevanahalli via Hejjegenahalli (Road ID-3471) in 2026/Chikkamagaluru - ADB financed.	2.11	10 to 12 m	10 to 12 m	396,000
946	5351	Chikkamagaluru	Mudigere	Improvements to road from (i) NH373 to Marle-Kalsapura road via Giddenahalli (Road ID-5351) in 2026/Chikkamagaluru - ADB financed.	4.91	10 to 12 m	10 to 12 m	291,000
947	2568	Chikkamagaluru	Tarikere	Improvements to road from (i) Garagadahalli Basavapura main road To Bandre via Beeranahalli (Road ID-2568) in 2026/Chikkamagaluru - ADB financed.	6.1	10 to 12 m	10 to 12 m	396,000
948	3691	Chikkamagaluru	Tarikere	Improvements to road from (i) Nandipura to Settyhalli via garagadahalli Boothnahalli (Road ID-3691) in 2026/Chikkamagaluru - ADB financed.	7.25	10 to 12 m	10 to 12 m	341,000
949	204	Chitradurga	Challakere	Improvements to road from (i) K.K.road (Allapura gate) to Junjuragunte via Thimmanahally (Road ID-204) in 2026/Chitradurga - ADB financed.	2.17	7.5	7.5	149,000
950	608	Chitradurga	Challakere	Improvements to road from (i) Nannivala to Taluk Border (Hosakatappanahatty) Via Nakkalarahatty (Road ID-608) in 2026/Chitradurga - ADB financed.	4.095	7.5	7.5	182,000
951	5325	Chitradurga	Challakere	Improvements to road from (i) Nannivala to Veeradimmanahalli via Gowdarahatti, Doregalahatty, Varavinarahatti, Bangaradevarahatty, Todlarahatty (Road ID-5325) in 2026/Chitradurga - ADB financed.	8.653	7.5	7.5	272,000

952	1401	Chitradurga	Chitradurga	Improvements to road from (i) NH-4 to Hireguntanur - Hosur Road via Laxmisagara, Kodagavalli, Chikkaguntanur (Road ID-1401) in 2026/Chitradurga - ADB financed.	6.76	7.5	7.5	272,000
953	1786	Chitradurga	Chitradurga	Improvements to road from (i) Jodichikkenahally to Jodichikkenahalli G.hatty upto Taluk border (Balannahalli) (Road ID-1786) in 2026/Chitradurga - ADB financed.	4.14	7.5	7.5	149,000
954	2684	Chitradurga	Chitradurga	Improvements to road from (i) Bheemasamudra to Thirumalapura (Taluk Border) via Mavinahalli Basaveshwara Temple (Road ID-2684) in 2026/Chitradurga - ADB financed.	4.53	7.5	7.5	182,000
955	1172	Chitradurga	Hiriyur	Improvements to road from (i) Mallappanahalli to Hulitotlu Via Gulalu (Road ID-1172) in 2026/Chitradurga - ADB financed.	6.925	7.5	7.5	272,000
956	2671	Chitradurga	Hiriyur	Improvements to road from (i) Yaradakatte to Metikurke Bovi Colony (Road ID-2671) in 2026/Chitradurga - ADB financed.	1.385	7.5	7.5	149,000
957	4110	Chitradurga	Hiriyur	Improvements to road from (i) Dharmapura-Khanajannahally Road to Hosakere Palya via Bettagondanahally (Road ID-4110) in 2026/Chitradurga - ADB financed.	3.55	7.5	7.5	182,000
958	1607	Chitradurga	Holalkere	Improvements to road from (i) Kumaranahally to Kereyagalahalli (Road ID-1607) in 2026/Chitradurga - ADB financed.	2.73	7.5	7.5	182,000
959	1610	Chitradurga	Holalkere	Improvements to road from (i) Malasinganahally to T Yemmeganuru via Amte (Road ID-1610) in 2026/Chitradurga - ADB financed.	5.309	7.5	7.5	305,000
960	1862	Chitradurga	Hosadurga	Improvements to road from (i) Kantapura-Kodihally Road to Hulukatte via Kamsagara, Mudlabovihatty, Devarahatty, Yellabovihatty Veeravanagathihalli, (Road ID-1862) in 2026/Chitradurga - ADB financed.	1.16	7.5	7.5	149,000
961	2162	Chitradurga	Hosadurga	Improvements to road from (i) Arehalli to Sanna Thippenahalli via M Gollarahatti Mathodu & Thippenahalli (Road ID-2162) in 2026/Chitradurga - ADB financed.	5.02	7.5	7.5	272,000
962	2163	Chitradurga	Hosadurga	Improvements to road from (i) Srirampura to Kadavanagere vajra via Sadarahalli, Arenahalli Chikkaullenahalli (Road ID-2163) in 2026/Chitradurga - ADB financed.	4.56	7.5	7.5	149,000
963	3040	Chitradurga	Hosadurga	Improvements to road from (i) Srirampura-Neralekere Road to Kalanayakanahatty via garimbeelu (Road ID-3040) in 2026/Chitradurga - ADB financed.	2.13	7.5	7.5	149,000
964	1256	Chitradurga	Molakalmuru	Improvements to road from (i) Nayakanahatty-Challakere road to Chikkaminahalli via Bhatayanahatty, kere mundalahatti, varavoo (Road ID-1256) in 2026/Chitradurga - ADB financed.	8.89	7.5	7.5	272,000
965	1266	Chitradurga	Molakalmuru	Improvements to road from (i) Nayakanahattijagalur road to jogihatty village via Beemagondanahally Hosajoghatty (Road ID-1266) in 2026/Chitradurga - ADB financed.	3.565	7.5	7.5	182,000
966	1276	Chitradurga	Molakalmuru	Improvements to road from (i) Thaluku to Maraihanahatty via Hosahalli (Road ID-1276) in 2026/Chitradurga - ADB financed.	4.41	7.5	7.5	149,000
967	1211	Dakshina Kannada	Mangalore City North	Improvements to road from (i) Bhatrakodi Pedamale Paldane saripalla Road (Road ID-1211) in 2026/Dakshina Kannada - ADB financed.	1.27	7.5	7.5	371,000
968	1392	Dakshina Kannada	Moodabidri	Improvements to road from (i) Haleyangadi Kadike Bandaramane to Hoigegudde Padupanamburu (Road ID-1392) in 2026/Dakshina Kannada - ADB financed.	3.5	7.5	7.5	371,000
969	606	Davanagere	Channagiri	Improvements to road from (i) SH near Bilahalli cross to Bussenahalli via Bilahalli (Road ID-606) in 2026/Davanagere - ADB financed.	5.54	7.5	7.5	149,000
970	4736	Davanagere	Channagiri	Improvements to road from (i) MDR Near Mantraghata To Ittige (Road ID-4736) in 2026/Davanagere - ADB financed.	3.15	7.5	7.5	149,000
971	4844	Davanagere	Channagiri	Improvements to road from (i) Santhebennur to Medikere via Medikere AK colony (Road ID-4844) in 2026/Davanagere - ADB financed.	3.16	6.5	6.5	199,000
972	5298	Davanagere	Channagiri	Improvements to road from (i) Bussenahalli to Hosabhanihatti (Road ID-5298) in 2026/Davanagere - ADB financed.	3	6.5	6.5	249,000
973	2826	Davanagere	Davanagere North	Improvements to road from (i) Putganal to Malagondanahalli (Road ID-2826) in 2026/Davanagere - ADB financed.	3.26	6	6	149,000
974	2827	Davanagere	Davanagere North	Improvements to road from (i) Bethur to Kadajji (Road ID-2827) in 2026/Davanagere - ADB financed.	3.32	6	6	422,000
975	2829	Davanagere	Davanagere North	Improvements to road from (i) Dodaobabajihalli to Taluk border (Jambulinganahalli) via Badinayakanahattihanda (Road ID-2829) in 2026/Davanagere - ADB financed.	2.36	7.5	7.5	149,000
976	2830	Davanagere	Davanagere North	Improvements to road from (i) Chikkabudihal to Amruthanagara via B. Kalapanahalli (Road ID-2830) in 2026/Davanagere - ADB financed.	1.89	6	6	299,000
977	2809	Davanagere	Davanagere South	Improvements to road from (i) SH near Kukkawada to MDR near Yaravanagthi halli camp via Giriyaपुरa, Kalkere, kalkere camp (Road ID-2809) in 2026/Davanagere - ADB financed.	4.31	6 to 7	6-7	282,000
978	2810	Davanagere	Davanagere South	Improvements to road from (i) Thurchgatta To K.Bullapura via ,HosaBullapura (Road ID-2810) in 2026/Davanagere - ADB financed.	3.41	6	6	422,000
979	2823	Davanagere	Davanagere South	Improvements to road from (i) SH near Hadadi to Durgambikacamp via HosaBisleri,HaleBisleri (Road ID-2823) in 2026/Davanagere - ADB financed.	4.545	7.5	7.5	249,000
980	536	Davanagere	Harapanahalli	Improvements to road from (i) Kanavi thanda to Kunchuru (Road ID-536) in 2026/Davanagere - ADB financed.	3.08	10-12	10-12	199,000
981	758	Davanagere	Harapanahalli	Improvements to road from (i) Adavihalli to Hosa obalapura via Thippanayakanahalli (Road ID-758) in 2026/Davanagere - ADB financed.	5.42	10-12	10-12	346,000

982	2756	Davanagere	Harapanahalli	Improvements to road from (i) Nandibevoor to Nandibevoor thanda (Road ID-2756) in 2026/Davanagere - ADB financed.	3.03	10-12	10-12	208,000
983	751	Davanagere	Harihar	Improvements to road from (i) MDR near Bhanuvalli to MDR near Ramathirtha (Road ID-751) in 2026/Davanagere - ADB financed.	7.05	6.5	6.5	215,000
984	759	Davanagere	Harihar	Improvements to road from (i) MDR near Devarabelakere to MDR near Salakatte via Kadlegondi/Salakatte camp (Road ID-759) in 2026/Davanagere - ADB financed.	6.1	6.5	6.5	322,000
985	800	Davanagere	Honnali	Improvements to road from (i) Nelahonne Thanda MDR to Nelahonne Andra camp Via Nelahonne (Road ID-800) in 2026/Davanagere - ADB financed.	3.3	7	7	149,000
986	4773	Davanagere	Honnali	Improvements to road from (i) Kotemallur MDR to Chikkagonigere MDR Via Vijayapura (Road ID-4773) in 2026/Davanagere - ADB financed.	2.65	6.5	6.5	149,000
987	4778	Davanagere	Honnali	Improvements to road from (i) Nyamathi MDR to Danahalli Koracharacolony MDR, via Danahalli (Road ID-4778) in 2026/Davanagere - ADB financed.	4.18	6.5 - 7.5	6.5-7.5	282,000
988	4862	Davanagere	Honnali	Improvements to road from (i) Hanumanahalli to Taluk border(Kanchugharanahalli MDR) via Hosa Hanumanahalli (Road ID-4862) in 2026/Davanagere - ADB financed.	4.04	7.5	7.5	389,000
989	570	Davanagere	Jagalur	Improvements to road from (i) Jangama tumbigere To Matigattihalli - Ramaghatta Dodda Thanda road (Road ID-570) in 2026/Davanagere - ADB financed.	2.8	10-12	10-12	208,000
990	780	Davanagere	Jagalur	Improvements to road from (i) Asagodu to Budihal via Gadigudal (Road ID-780) in 2026/Davanagere - ADB financed.	7.55	10-12	10-12	346,000
991	781	Davanagere	Jagalur	Improvements to road from (i) Tuppadahalli to Katenahalli via Kolamaghatta, Marikunte (Road ID-781) in 2026/Davanagere - ADB financed.	5.04	10-12	10-12	199,000
992	4914	Davanagere	Mayakonda	Improvements to road from (i) NH 48 Near Mallashettihalli To Vaderaahalli via Karilakkenahalli,Bullapura,Echghatta (Road ID-4914) in 2026/Davanagere - ADB financed.	8.35	7	7	339,000
993	5067	Davanagere	Mayakonda	Improvements to road from (i) Davanagere-Jagalur Road to Kittur-Kurdi MDR via Hemmanabethur (Road ID-5067) in 2026/Davanagere - ADB financed.	2.95	7.5	7.5	332,000
994	5305	Davanagere	Mayakonda	Improvements to road from (i) Kodaganur to Echghatta-Vaderaahalli Junction (Road ID-5305) in 2026/Davanagere - ADB financed.	2.7	7	7	339,000
995	205	Dharwad	Dharwad	Improvements to road from (i) Gongadikoppa to Dharwad-Hebsur road (Near Ayyapaswamy temple) in Dharwad taluk of Dharwad District (Road ID-205) in 2026/Dharwad - ADB financed.	8.38	8 to 10	8 to 10	281,000
996	979	Dharwad	Dharwad	Improvements to road from (i) Kotur to T M Tatkod via Agasinahalli and Dubbanamaradi in Dharwad taluk of Dharwad District (Road ID-979) in 2026/Dharwad - ADB financed.	7.3	8 to 10	8 to 10	206,000
997	4791	Dharwad	Hubli-Dharwad-Central	Improvements to road from (i) Improvements from unkal to Gamanagatti - Tarihal Road in Hubli Taluk of Dharwad District (Road ID-4791) in 2026/Dharwad - ADB financed.	3.05	8 to 10	8 to 10	296,000
998	4795	Dharwad	Hubli-Dharwad-Central	Improvements to road from (i) Improvements from Bengeri near MDR to Kusugal in Hubli Taluk of Dharwad District (Road ID-4795) in 2026/Dharwad - ADB financed.	6.07	8 to 10	8 to 10	191,000
999	4833	Dharwad	Hubli-Dharwad-West	Improvements to road from (i) Improvements to Road from Navalur to Somapur Upto Taluk Border via Aminbhavi - Amargol Road in Dharwad taluk of Dharwad District (Road ID-4833) in 2026/Dharwad - ADB financed.	6.16	8 to 10	8 to 10	191,000
1000	4837	Dharwad	Hubli-Dharwad-West	Improvements to road from (i) Improvements to Road from Sutagatti to Ittigatti Upto Taluk Border in Hubli Taluk of Dharwad District (Road ID-4837) in 2026/Dharwad - ADB financed.	2.65	8 to 10	8 to 10	296,000
1001	346	Dharwad	Kalaghatgi	Improvements to road from (i) Malakanakoppa (SH) to Shivanapur via Jinnur in Kalaghatgi taluk of Dharwad District (Road ID-346) in 2026/Dharwad - ADB financed.	6.73	8 to 10	8 to 10	173,000
1002	349	Dharwad	Kalaghatgi	Improvements to road from (i) Dhulikoppa to Old Dwd-Klg Road via Bisarahalli in Kalghtagi Taluk of Dharwad District (Road ID-349) in 2026/Dharwad - ADB financed.	5.55	8 to 10	8 to 10	358,000
1003	3097	Dharwad	Kalaghatgi	Improvements to road from (i) Mukkal to Aralihonda in Kalaghtagi taluk of Dharwad District (Road ID-3097) in 2026/Dharwad - ADB financed.	2.82	8 to 10	8 to 10	372,000
1004	30	Dharwad	Kundgol	Improvements to road from (i) Kundgol to Betadur in Kundgol taluk of Dharwad District (Road ID-30) in 2026/Dharwad - ADB financed.	7.24	8 to 10	8 to 10	339,000
1005	1358	Dharwad	Kundgol	Improvements to road from (i) Kamadolli to Dyavanur in Kundgol Taluk of Dharwad District (Road ID-1358) in 2026/Dharwad - ADB financed.	2.69	8 to 10	8 to 10	206,000
1006	1366	Dharwad	Kundgol	Improvements to road from (i) Chabbi to join Sherewad-Betadur MDR in Hubli taluk of Dharwad District (Road ID-1366) in 2026/Dharwad - ADB financed.	2.31	8 to 10	8 to 10	158,000
1007	46	Dharwad	Navalgund	Improvements to road from (i) Morab to Aminbhavi in Navalgund taluk of Dharwad District (Road ID-46) in 2026/Dharwad - ADB financed.	4.27	8 to 10	8 to 10	287,000
1008	127	Dharwad	Navalgund	Improvements to road from (i) Alagwadi to Siddapur in Navalgund Taluk of Dharwad District (Road ID-127) in 2026/Dharwad - ADB financed.	4.81	8 to 10	8 to 10	158,000
1009	3176	Dharwad	Navalgund	Improvements to road from (i) Tirlapur to Hebballi(up to tq border) in Navalgund taluk of Dharwad District (Road ID-3176) in 2026/Dharwad - ADB financed.	7.21	8 to 10	8 to 10	158,000
1010	1142	Gadag	Gadag	Improvements to road from (i) Hosur to SH-45 (Road ID-1142) in 2026/Gadag - ADB financed.	4.45	8 to 10m	8 to 10m	272,000
1011	1144	Gadag	Gadag	Improvements to road from (i) Kanavi to Mulagund (Road ID-1144) in 2026/Gadag - ADB financed.	4.4	8 to 10m	8 to 10m	258,000

1012	1156	Gadag	Gadag	Improvements to road from (i) Harthi to Hosur via Kanvi (Road ID-1156) in 2026/Gadag - ADB financed.	4.34	8 to 10m	8 to 10m	173,000
1013	3575	Gadag	Gadag	Improvements to road from (i) Nagavi to Kalasapura via Adavisomapura (Road ID-3575) in 2026/Gadag - ADB financed.	8.69	8 to 10m	8 to 10m	371,000
1014	1470	Gadag	Nargund	Improvements to road from (i) Huilgol to Hombal (Road ID-1470) in 2026/Gadag - ADB financed.	10.53	8 to 10m	8 to 10m	471,000
1015	1474	Gadag	Nargund	Improvements to road from (i) SH to Narayanapur via Benakoppa,Neeralgi (Road ID-1474) in 2026/Gadag - ADB financed.	7.13	8 to 10m	8 to 10m	371,000
1016	41	Gadag	Ron	Improvements to road from (i) Kalakaleshwar to Rajur (Road ID-41) in 2026/Gadag - ADB financed.	4	8 to 10m	8 to 10m	191,000
1017	55	Gadag	Ron	Improvements to road from (i) Mundaragi to Eklasapur (Road ID-55) in 2026/Gadag - ADB financed.	10.89	8 to 10m	8 to 10m	296,000
1018	4522	Gadag	Shirahatti	Improvements to road from (i) Laxmeshwar - Hiregunjihal MDR to Basapur and approach to SH 73 (Road ID-4522) in 2026/Gadag - ADB financed.	10.28	8 to 10m	8 to 10m	371,000
1019	1653	Hassan	Arakalgud	Improvements to road from (i) Chikkabemathi to Kesavathur via Pemmanahalli (Road ID-1653) in 2026/Hassan - ADB financed.	3.27	9m to 13m	9m to 13m	234,000
1020	2795	Hassan	Arakalgud	Improvements to road from (i) Kortikere to MDR via Agrahara (Road ID-2795) in 2026/Hassan - ADB financed.	3.44	9m to 13m	9m to 13m	293,000
1021	2837	Hassan	Arakalgud	Improvements to road from (i) Hodenur to MDR via Kargal (Road ID-2837) in 2026/Hassan - ADB financed.	3.21	9m to 13m	9m to 13m	476,000
1022	3771	Hassan	Arsikere	Improvements to road from (i) SH-71 to Bramadevarahalli via Ramenahalli (Road ID-3771) in 2026/Hassan - ADB financed.	2.46	9m to 13m	9m to 13m	290,000
1023	3772	Hassan	Arsikere	Improvements to road from (i) MDR to SH via Huliappana palya, Mavinakere,Hosur, Lakkihal Kaval (Road ID-3772) in 2026/Hassan - ADB financed.	3.31	9m to 13m	9m to 13m	346,000
1024	5246	Hassan	Arsikere	Improvements to road from (i) MDR to MDR (Murundi) via M.Hosahatti, (Road ID-5246) in 2026/Hassan - ADB financed.	2.27	9m to 13m	9m to 13m	175,000
1025	5290	Hassan	Arsikere	Improvements to road from (i) MDR (Purlehalli) to Shanthagere (Road ID-5290) in 2026/Hassan - ADB financed.	2.04	9m to 13m	9m to 13m	125,000
1026	5292	Hassan	Arsikere	Improvements to road from (i) Bageshapura to MDR via Ramjihal (Road ID-5292) in 2026/Hassan - ADB financed.	2.93	9m to 13m	9m to 13m	140,000
1027	5295	Hassan	Arsikere	Improvements to road from (i) TD Road to Channarayapatna Taluk Border via Samathagrama (Bidare Kavalu) (Road ID-5295) in 2026/Hassan - ADB financed.	2.66	9m to 13m	9m to 13m	125,000
1028	1005	Hassan	Belur	Improvements to road from (i) Gonisommanahalli to MDR via Hulekalleshwarabetta, hulekalihalli (Road ID-1005) in 2026/Hassan - ADB financed.	5.2	9m to 13m	9m to 13m	293,000
1029	3485	Hassan	Belur	Improvements to road from (i) MDR to Lingalapura via Siddarahalli (Road ID-3485) in 2026/Hassan - ADB financed.	1.6	9m to 13m	9m to 13m	467,000
1030	3844	Hassan	Belur	Improvements to road from (i) MDR to Taluk Border via Halthore, Halthore Koppalu (Road ID-3844) in 2026/Hassan - ADB financed.	3.05	9m to 13m	9m to 13m	293,000
1031	1132	Hassan	Hassan	Improvements to road from (i) Rangenahalli to Nittur via Singatgere (Road ID-1132) in 2026/Hassan - ADB financed.	3	9m to 13m	9m to 13m	467,000
1032	2895	Hassan	Hassan	Improvements to road from (i) Doddagaduvalli to Gowdagere (Road ID-2895) in 2026/Hassan - ADB financed.	2.15	9m to 13m	9m to 13m	284,000
1033	4451	Hassan	Hassan	Improvements to road from (i) Sankalapura to SH-21 (Road ID-4451) in 2026/Hassan - ADB financed.	2.17	9m to 13m	9m to 13m	284,000
1034	4503	Hassan	Hassan	Improvements to road from (i) Hassan Gorur Road to Agile (Road ID-4503) in 2026/Hassan - ADB financed.	1.79	9m to 13m	9m to 13m	284,000
1035	830	Hassan	Holenarasipur	Improvements to road from (i) Heragu Goppanahalli Road to Jakkenahalli (Road ID-830) in 2026/Hassan - ADB financed.	2.93	9m to 13m	9m to 13m	284,000
1036	1510	Hassan	Holenarasipur	Improvements to road from (i) Bidardalli (MDR) to MDR via Lingarsanahalli (Road ID-1510) in 2026/Hassan - ADB financed.	2.85	9m to 13m	9m to 13m	234,000
1037	3847	Hassan	Holenarasipur	Improvements to road from (i) Mallenahalli to Nambihalli (Road ID-3847) in 2026/Hassan - ADB financed.	2.49	9m to 13m	9m to 13m	234,000
1038	4897	Hassan	Holenarasipur	Improvements to road from (i) MDR near Maranayakanahalli to Ediganahosur via Kadavinabachalli (Road ID-4897) in 2026/Hassan - ADB financed.	2.44	9m to 13m	9m to 13m	367,000
1039	3817	Hassan	Sakaleshpur	Improvements to road from (i) MDR to MDR via Kallahalli, Malligavali (Road ID-3817) in 2026/Hassan - ADB financed.	5.82	9m to 13m	9m to 13m	443,000
1040	3819	Hassan	Sakaleshpur	Improvements to road from (i) Thippanahally to Kundur Sanenahally via Cheekannahalli, Devarajanahally (Road ID-3819) in 2026/Hassan - ADB financed.	3.52	9m to 13m	9m to 13m	287,000
1041	4189	Hassan	Sakaleshpur	Improvements to road from (i) NH -75 to Kenchanahally via Bijjanahalli (Road ID-4189) in 2026/Hassan - ADB financed.	2.87	9m to 13m	9m to 13m	287,000
1042	2373	Hassan	Shravanabelagola	Improvements to road from (i) Shavanabelagola road (SH-08) to Bekka via Bastihalli (Road ID-2373) in 2026/Hassan - ADB financed.	2.3	9m to 13m	9m to 13m	349,000
1043	2440	Hassan	Shravanabelagola	Improvements to road from (i) Heggadigere kaval to MDR via Bhuvanalli, Vaddarahatti, Siddarahatti, Mavinahalli. (Road ID-2440) in 2026/Hassan - ADB financed.	2.19	9m to 13m	9m to 13m	284,000
1044	3595	Hassan	Shravanabelagola	Improvements to road from (i) MDR to Taluk Border via Mellahalli (Road ID-3595) in 2026/Hassan - ADB financed.	2	9m to 13m	9m to 13m	284,000
1045	4782	Hassan	Shravanabelagola	Improvements to road from (i) Ankenahalli to Juttanahalli (Road ID-4782) in 2026/Hassan - ADB financed.	1.86	9m to 13m	9m to 13m	234,000
1046	4915	Hassan	Shravanabelagola	Improvements to road from (i) Kamanahalli to Kakkihalli via Kalamaranahalli (Road ID-4915) in 2026/Hassan - ADB financed.	2	9m to 13m	9m to 13m	284,000
1047	4038	Haveri	Byadgi	Improvements to road from (i) Venkatapura to Devageri via Naganur,Varadahalli (Road ID-4038) in 2026/Haveri - ADB financed.	14.45	8 to 10	7.5	371,000
1048	2261	Haveri	Hangal	Improvements to road from (i) Ghajipur to Chikkeiri-Hosalli (Road ID-2261) in 2026/Haveri - ADB financed.	4.285	8 to 10	7.5	116,000
1049	4196	Haveri	Hangal	Improvements to road from (i) Maranabeeda to Haranagiri (Road ID-4196) in 2026/Haveri - ADB financed.	3.255	8 to 10	7.5	116,000
1050	4321	Haveri	Hangal	Improvements to road from (i) Malligar to Baichavalli (Road ID-4321) in 2026/Haveri - ADB financed.	4.26	8 to 10	7.5	371,000

1051	4943	Haveri	Hangal	Improvements to road from (i) Masanakatti to Hotanahalli-Maranabeeda Road (Road ID-4943) in 2026/Haveri - ADB financed.	1.79	8 to 10	7.5	116,000
1052	1141	Haveri	Haveri	Improvements to road from (i) Kittur to Halagi via Maradur (Road ID-1141) in 2026/Haveri - ADB financed.	5.56	8 to 10	7.5	116,000
1053	1149	Haveri	Haveri	Improvements to road from (i) Maradur to MDR(Negalur-hosaritti) via akkur (Road ID-1149) in 2026/Haveri - ADB financed.	4.4	8 to 10	7.5	116,000
1054	1169	Haveri	Haveri	Improvements to road from (i) Mevundi to Kerikoppa (Road ID-1169) in 2026/Haveri - ADB financed.	6.53	8 to 10	7.5	371,000
1055	954	Haveri	Hirekerur	Improvements to road from (i) Purapundikoppa to Kalaguddi up to TB (Road ID-954) in 2026/Haveri - ADB financed.	3.145	8 to 10	7.5	116,000
1056	2380	Haveri	Hirekerur	Improvements to road from (i) SH-76 (From Vaderanahalli) to Guddadahosalli via Yalavadahalli, Babapura, Hirebudihala (Road ID-2380) in 2026/Haveri - ADB financed.	10.94	8 to 10	7.5	371,000
1057	1334	Haveri	Ranebennur	Improvements to road from (i) Magod to NH(Chalageri) via Kamadoda, Devagondanakatti (Road ID-1334) in 2026/Haveri - ADB financed.	7.27	8 to 10	7.5	116,000
1058	1338	Haveri	Ranebennur	Improvements to road from (i) Yannihosalli to Nagenahalli via Makanur (Road ID-1338) in 2026/Haveri - ADB financed.	7.2	8 to 10	7.5	371,000
1059	2230	Haveri	Shiggaon	Improvements to road from (i) Chandapur to Jakkinakatti Murarji School (Road ID-2230) in 2026/Haveri - ADB financed.	3.35	8 to 10	7.5	116,000
1060	2237	Haveri	Shiggaon	Improvements to road from (i) Bannikoppa to Mugali (Road ID-2237) in 2026/Haveri - ADB financed.	2.563	8 to 10	7.5	116,000
1061	3662	Haveri	Shiggaon	Improvements to road from (i) NH48 to Kundur (Road ID-3662) in 2026/Haveri - ADB financed.	3.25	8 to 10	7.5	371,000
1062	4545	Haveri	Shiggaon	Improvements to road from (i) Chillur to Chavadal road (Road ID-4545) in 2026/Haveri - ADB financed.	2.88	8 to 10	7.5	116,000
1063	4549	Haveri	Shiggaon	Improvements to road from (i) Baradur to Savanur-Tevaramellihalli SH road (Road ID-4549) in 2026/Haveri - ADB financed.	1.97	8 to 10	7.5	116,000
1064	4550	Haveri	Shiggaon	Improvements to road from (i) Mantrodli to Karadagi road (Road ID-4550) in 2026/Haveri - ADB financed.	2.787	8 to 10	7.5	116,000
1065	1532	Kalburgi	Afzalpur	Improvements to road from (i) Gobbur B to Bandarawad (Road ID-1532) in 2026/Kalburgi - ADB financed.	10.86	10 to 12 m	10 to 12 m	371,000
1066	1535	Kalburgi	Afzalpur	Improvements to road from (i) Teloni to Jewargi K road (Road ID-1535) in 2026/Kalburgi - ADB financed.	3.15	10 to 12 m	10 to 12 m	116,000
1067	2318	Kalburgi	Aland	Improvements to road from (i) Sangolgi B to Yelenawadagi via Gunjlablad ,Bolani (Road ID-2318) in 2026/Kalburgi - ADB financed.	10.12	10 to 12 m	10 to 12 m	521,000
1068	2338	Kalburgi	Aland	Improvements to road from (i) Dargasirur to Lingadalli cross via kerrur (Road ID-2338) in 2026/Kalburgi - ADB financed.	4.1	10 to 12 m	10 to 12 m	116,000
1069	1494	Kalburgi	Chincholi	Improvements to road from (i) Kanakapur (SH75) to Huvinhbavi Via Kanakapur ,Rustampur (Road ID-1494) in 2026/Kalburgi - ADB financed.	7.94	10 to 12 m	10 to 12 m	521,000
1070	1505	Kalburgi	Chincholi	Improvements to road from (i) Tumkunta To Jangleepier Tanda cross via Salebeernalli (Road ID-1505) in 2026/Kalburgi - ADB financed.	4.7	10 to 12 m	10 to 12 m	116,000
1071	2631	Kalburgi	Chittapur	Improvements to road from (i) Honagunta to Taluka Border Via Kadehalli (Road ID-2631) in 2026/Kalburgi - ADB financed.	5.33	10 to 12 m	10 to 12 m	521,000
1072	4348	Kalburgi	Chittapur	Improvements to road from (i) Malgatti Cross to Yargal (Road ID-4348) in 2026/Kalburgi - ADB financed.	6.63	10 to 12 m	10 to 12 m	116,000
1073	4435	Kalburgi	Chittapur	Improvements to road from (i) Ladlapur to Chachunaik thanda (Road ID-4435) in 2026/Kalburgi - ADB financed.	2.98	10 to 12 m	10 to 12 m	116,000
1074	2409	Kalburgi	Gulbarga Dakshin	Improvements to road from (i) Udnoor-Seetanoor cross to minajagi (Road ID-2409) in 2026/Kalburgi - ADB financed.	5.45	10 to 12 m	10 to 12 m	116,000
1075	3896	Kalburgi	Gulbarga Dakshin	Improvements to road from (i) Bhimali to Keri Bhosga (Road ID-3896) in 2026/Kalburgi - ADB financed.	5.26	10 to 12 m	10 to 12 m	116,000
1076	4592	Kalburgi	Gulbarga Dakshin	Improvements to road from (i) Syed chincholi to jamga B (Road ID-4592) in 2026/Kalburgi - ADB financed.	4.63	10 to 12 m	10 to 12 m	521,000
1077	3321	Kalburgi	Gulbarga Rural	Improvements to road from (i) MDR to Hodal via Jawalga (B) (Road ID-3321) in 2026/Kalburgi - ADB financed.	5.63	10 to 12 m	10 to 12 m	521,000
1078	3349	Kalburgi	Gulbarga Rural	Improvements to road from (i) kalhangaraga cross to Mallapanwadi via Kottaraga (Road ID-3349) in 2026/Kalburgi - ADB financed.	4.73	10 to 12 m	10 to 12 m	116,000
1079	4948	Kalburgi	Gulbarga Uttar	Improvements to road from (i) NH-50 to MDR (Malgatti Cross) (Road ID-4948) in 2026/Kalburgi - ADB financed.	4.4	10 to 12 m	10 to 12 m	116,000
1080	4955	Kalburgi	Gulbarga Uttar	Improvements to road from (i) NH-50 Ring Road to Sindagi via Zafarabad (Road ID-4955) in 2026/Kalburgi - ADB financed.	3.18	10 to 12 m	10 to 12 m	521,000
1081	4980	Kalburgi	Gulbarga Uttar	Improvements to road from (i) NH-50 To Belur J (Road ID-4980) in 2026/Kalburgi - ADB financed.	2.44	10 to 12 m	10 to 12 m	116,000
1082	5172	Kalburgi	Gulbarga Uttar	Improvements to road from (i) panegoan to panegoan tanda (Road ID-5172) in 2026/Kalburgi - ADB financed.	2.4	10 to 12 m	10 to 12 m	116,000
1083	5174	Kalburgi	Gulbarga Uttar	Improvements to road from (i) SH-51 to Ganjalkhed (Road ID-5174) in 2026/Kalburgi - ADB financed.	3.256	10 to 12 m	10 to 12 m	116,000
1084	317	Kalburgi	Jevargi	Improvements to road from (i) Gogihal cross (SH-156) to Gogihal (Road ID-317) in 2026/Kalburgi - ADB financed.	3.94	10 to 12 m	10 to 12 m	521,000
1085	1547	Kalburgi	Jevargi	Improvements to road from (i) Approach road (MDR) to Handanur (Road ID-1547) in 2026/Kalburgi - ADB financed.	2.49	10 to 12 m	10 to 12 m	116,000
1086	2416	Kalburgi	Jevargi	Improvements to road from (i) Jawalaga to Gobbarawadagi (Road ID-2416) in 2026/Kalburgi - ADB financed.	5.04	10 to 12 m	10 to 12 m	116,000
1087	2417	Kalburgi	Jevargi	Improvements to road from (i) Sonna-Jawalaga Road (MDR) to Kasarbosaga (Road ID-2417) in 2026/Kalburgi - ADB financed.	2.45	10 to 12 m	10 to 12 m	116,000
1088	686	Kalburgi	Sedam	Improvements to road from (i) Venkatapur tanda to Jettur via, Venkatapur(N) (Road ID-686) in 2026/Kalburgi - ADB financed.	6.24	10 to 12 m	10 to 12 m	116,000
1089	3693	Kalburgi	Sedam	Improvements to road from (i) Venkatapur (N) to Karachkhed (Upto SH122) (Road ID-3693) in 2026/Kalburgi - ADB financed.	3.8	10 to 12 m	10 to 12 m	116,000
1090	4175	Kalburgi	Sedam	Improvements to road from (i) SH10 to Hanganalli-Udagi Road via Rajiv Nagar (Road ID-4175) in 2026/Kalburgi - ADB financed.	2.78	10 to 12 m	10 to 12 m	521,000

1091	5047	Kodagu	Madikeri	Improvements to road from (i) Marur to Hebbale Road (Road ID-5047) in 2026/Kodagu - ADB financed.	2	7.50 Mts	7.50 Mts	116,000
1092	5058	Kodagu	Madikeri	Improvements to road from (i) 6th Hosakote to Andanipura (Road ID-5058) in 2026/Kodagu - ADB financed.	3.45	7.50 Mts	7.50 Mts	371,000
1093	5222	Kodagu	Madikeri	Improvements to road from (i) Mudravalli to Urguthi Road (Road ID-5222) in 2026/Kodagu - ADB financed.	3.57	7.50 Mts	7.50 Mts	116,000
1094	5328	Kodagu	Madikeri	Improvements to road from (i) Seegemaruru to Kaisaravalli Road (Road ID-5328) in 2026/Kodagu - ADB financed.	3.34	7.50 Mts	7.50 Mts	371,000
1095	120	Kolara	Bangarapet	Improvements to road from (i) Improvements of road from Venugopalapura to Chalaganahalli via Mavahalli, Kamandahalli (Road ID-120) in 2026/Kolara - ADB financed.	2.91	7.5m-10.0m	7.5m	149,000
1096	960	Kolara	Bangarapet	Improvements to road from (i) Improvements of road from Arimanahalli to AP Border via Thalampalli, Bisanatham Railway Station (Road ID-960) in 2026/Kolara - ADB financed.	3.96	7.5m-10.0m	7.5m	149,000
1097	2211	Kolara	Bangarapet	Improvements to road from (i) Improvements of road from Dinnur- Budikote Road (MDR) to Budikote via Bommasaganahalli, Bueldaynahalli, Marandahalli (Road ID-2211) in 2026/Kolara - ADB financed.	2.98	7.5m-10.0m	7.5m	149,000
1098	2485	Kolara	Bangarapet	Improvements to road from (i) Improvements of road from Harati Road to Kenchapura via Harati Mallandahalli (Road ID-2485) in 2026/Kolara - ADB financed.	4.09	7.5m-10.0m	7.5m	239,000
1099	2789	Kolara	Bangarapet	Improvements to road from (i) Improvements of road from Yalaburgi to Ithandahalli via: Nernahalli (Road ID-2789) in 2026/Kolara - ADB financed.	2.63	7.5m-10.0m	7.5m	149,000
1100	1697	Kolara	Kolar	Improvements to road from (i) Improvements of road from Dinnehosahalli to Belamaranahalli MDR (Chandrashekarapura) via Thoranakambadahalli, Belamaranahalli, Bhuvanahalli, Korati Mallandahalli (Road ID-1697) in 2026/Kolara - ADB financed.	5.34	7.5m-10.0m	7.5m	272,000
1101	1897	Kolara	Kolar	Improvements to road from (i) Improvements of road from H.Cross Main Road to Taluk Border via Urati Aghara, Channasandra, Beechagondahalli (Road ID-1897) in 2026/Kolara - ADB financed.	2.19	7.5m-10.0m	7.5m	158,000
1102	3462	Kolara	Kolar	Improvements to road from (i) Improvements of road from Kolar-Srinivasapura Road to Janaghatta Road Veerapura , Beeramanahalli, Yadahalli (Road ID-3462) in 2026/Kolara - ADB financed.	4.77	7.5m-10.0m	7.5m	173,000
1103	1203	Kolara	Kolar Gold Field	Improvements to road from (i) Improvements of road from Chokkarabande to Allikallu via Kurur, (Road ID-1203) in 2026/Kolara - ADB financed.	4.759	7.5m-10.0m	7.5m	272,000
1104	2477	Kolara	Kolar Gold Field	Improvements to road from (i) Improvements of road from Ramasandra Road to A.P Borde via Peelvara, Gaddur, Bullampalli, Nandyalagadda. (Road ID-2477) in 2026/Kolara - ADB financed.	3.453	7.5m-10.0m	7.5m	149,000
1105	3539	Kolara	Kolar Gold Field	Improvements to road from (i) Improvements of road from Parandahalli to Banagere MDR Via Puttepalli, Kambampalli, Dayamanagudisalu, Kalikuppa. (Road ID-3539) in 2026/Kolara - ADB financed.	5.227	7.5m-10.0m	7.5m	149,000
1106	3546	Kolara	Kolar Gold Field	Improvements to road from (i) Improvements of road from Kyasamballi MDR to Nachandlahalli Via Ramapura, Buchepalli. (Road ID-3546) in 2026/Kolara - ADB financed.	2.833	7.5m-10.0m	7.5m	149,000
1107	1218	Kolara	Malur	Improvements to road from (i) Improvements of road from Varadapura to Kuppur - Thippasandra Road via Masthi, Natuvarahalli, Balanayakanaddi (Road ID-1218) in 2026/Kolara - ADB financed.	7.01	7.5m-10.0m	7.5m	381,000
1108	1425	Kolara	Malur	Improvements to road from (i) Improvements of road from Kolar - Malur Road to Chikkakunthur via Doddakunthur, Doddasabbenahalli, ChikkaSabbenahalli, Chikkakunthur (Road ID-1425) in 2026/Kolara - ADB financed.	5.33	7.5m-10.0m	7.5m	356,000
1109	1302	Kolara	Mulbagal	Improvements to road from (i) Improvements of road from Mothakapally MDR to Gopasandra via Belapanahalli. (Road ID-1302) in 2026/Kolara - ADB financed.	3.35	7.5m-10.0m	7.5m	413,000
1110	1444	Kolara	Mulbagal	Improvements to road from (i) Improvements of road from Nangali to Mustur via Kerasamangala, Marvemane, Jogindlu. (Road ID-1444) in 2026/Kolara - ADB financed.	4.13	7.5m-10.0m	7.5m	317,000
1111	3565	Kolara	Mulbagal	Improvements to road from (i) Improvements of road from Amblikal to Sangasandra MDR via Poojarahalli, Balasandra. (Road ID-3565) in 2026/Kolara - ADB financed.	3.21	7.5m-10.0m	7.5m	218,000
1112	438	Kolara	Srinivasapur	Improvements to road from (i) Improvements of road from Kadirampalli to M. Kothapalli Via Vangasavaripalli (Road ID-438) in 2026/Kolara - ADB financed.	3.88	7.5m-10.0m	7.5m	236,000
1113	912	Kolara	Srinivasapur	Improvements to road from (i) Improvements of road from Gjalapelli to Guttapalli Via Adavichambakur (Road ID-912) in 2026/Kolara - ADB financed.	4.4	7.5m-10.0m	7.5m	251,000
1114	212	Koppal	Gangavathi	Improvements to road from (i) Improvements to road from Budagumpa to Amarapur (Road ID-212) in 2026/Koppal - ADB financed.	2.45	7.5 m to 10.5 m	7.5 m	266,000
1115	220	Koppal	Gangavathi	Improvements to road from (i) Improvements to road from Abbigeri to Gudadalli Vai Kallatavaragera-Halahalli (Road ID-220) in 2026/Koppal - ADB financed.	7.51	7.5 m to 10.5 m	7.5 m	521,000
1116	550	Koppal	Kanakagiri	Improvements to road from (i) improvements to road from basanhal to varankheda vai bailakkampura (Road ID-550) in 2026/Koppal - ADB financed.	6.145	7.5 m to 10.5 m	7.5 m	266,000
1117	798	Koppal	Kanakagiri	Improvements to road from (i) improvements to road from kalkera to gudadur vai SH-63,Akalakumpli,umali katapura village (Road ID-798) in 2026/Koppal - ADB financed.	10.08	7.5 m to 10.5 m	7.5 m	521,000

1118	71	Koppal	Koppal	Improvements to road from (i) Improvements to road from Kunakeri Thanda to Ginagera-Gondabal SH (Road ID-71) in 2026/Koppal - ADB financed.	3.58	7.5 m to 10.5 m	7.5 m	521,000
1119	183	Koppal	Koppal	Improvements to road from (i) Improvements to road from Budihali to Bikanahalli val Bisanahalli (Road ID-183) in 2026/Koppal - ADB financed.	4.6	7.5 m to 10.5 m	7.5 m	266,000
1120	186	Koppal	Koppal	Improvements to road from (i) Improvements to road from Betageri to Hanukunti (Road ID-186) in 2026/Koppal - ADB financed.	4.34	7.5 m to 10.5 m	7.5 m	266,000
1121	3235	Koppal	Koppal	Improvements to road from (i) Improvements to road from Hanavanal to Vadaganal MDR (Road ID-3235) in 2026/Koppal - ADB financed.	3.55	7.5 m to 10.5 m	7.5 m	266,000
1122	4939	Koppal	Kushtagi	Improvements to road from (i) Improvements to road from HireNandihal to Chalageri (Road ID-4939) in 2026/Koppal - ADB financed.	5.8	7.5 m to 10.5 m	7.5 m	521,000
1123	4941	Koppal	Kushtagi	Improvements to road from (i) Improvements to road from Donnegudda to Yalabunachi (Road ID-4941) in 2026/Koppal - ADB financed.	5.15	7.5 m to 10.5 m	7.5 m	266,000
1124	517	Koppal	Yelburga	Improvements to road from (i) Improvements to road from Bandi to Chickbannigol Val Kadabalakatti (Road ID-517) in 2026/Koppal - ADB financed.	6.94	7.5 m to 10.5 m	7.5 m	521,000
1125	524	Koppal	Yelburga	Improvements to road from (i) Improvements to road from Hiremyageri to Chilazeri (Road ID-524) in 2026/Koppal - ADB financed.	2.94	7.5 m to 10.5 m	7.5 m	266,000
1126	3299	Koppal	Yelburga	Improvements to road from (i) Improvements to road from Kuknoor to Mandalageri MDR Val Gorlekoppa (Road ID-3299) in 2026/Koppal - ADB financed.	3.24	7.5 m to 10.5 m	7.5 m	266,000
1127	1093	Mandya	Krishnarajpet	Improvements to road from (i) KRPet-Arasikere road to KRPet Shrvanabelagola road via Chikonahalli (Road ID-1093) in 2026/Mandya - ADB financed.	2.21	7.5 to 10.00	7.5	358,250
1128	4562	Mandya	Krishnarajpet	Improvements to road from (i) Belthur to Somanahally (Road ID-4562) in 2026/Mandya - ADB financed.	2.145	7.5 to 10.00	7.5	349,250
1129	4586	Mandya	Krishnarajpet	Improvements to road from (i) Kabbaligerapura to Taluk border (Road ID-4586) in 2026/Mandya - ADB financed.	2.035	7.5 to 10.00	7.5	334,250
1130	1099	Mandya	Krishnarajpet	Improvements to road from (i) MDR to Yaladahalli (Road ID-1099) in 2026/Mandya - ADB financed.	2.115	7.5 to 10.00	7.5	386,000
1131	4563	Mandya	Krishnarajpet	Improvements to road from (i) K R Pet - Beeruvally Road to Natanahally (Road ID-4563) in 2026/Mandya - ADB financed.	2.1	7.5 to 10.00	7.5	401,000
1132	2815	Mandya	Maddur	Improvements to road from (i) Malavalli-Madduru Main road(SH 33) to Thorebommanahalli MDR Via KP Doddi, Menasagere, Boppasamudra and Sunnadadoddi (Road ID-2815) in 2026/Mandya - ADB financed.	5.815	7.5 to 10.00	7.5	521,000
1133	2911	Mandya	Maddur	Improvements to road from (i) Karadakere to Arechakanahalli Via K shettihalli (Road ID-2911) in 2026/Mandya - ADB financed.	2.65	7.5 to 10.00	7.5	521,000
1134	4328	Mandya	Maddur	Improvements to road from (i) Sabbanahally to K K Hally (Road ID-4328) in 2026/Mandya - ADB financed.	5.545	7.5 to 10.00	7.5	521,000
1135	4356	Mandya	Malavalli	Improvements to road from (i) Thammadahalli via Gulgatta (Road ID-4356) in 2026/Mandya - ADB financed.	3.135	7.5 to 10.00	7.5	521,000
1136	4361	Mandya	Malavalli	Improvements to road from (i) Malavalli-Poorigali Road to Kunduru (Road ID-4361) in 2026/Mandya - ADB financed.	2.64	7.5 to 10.00	7.5	401,000
1137	4362	Mandya	Malavalli	Improvements to road from (i) Muttanahalli to Taluk Border via Kodagahalli (Road ID-4362) in 2026/Mandya - ADB financed.	3.01	7.5 to 10.00	7.5	386,000
1138	5030	Mandya	Malavalli	Improvements to road from (i) Ramandooru to Halladakoppalu via RamanathMole & Anasale (Road ID-5030) in 2026/Mandya - ADB financed.	4.29	7.5 to 10.00	7.5	521,000
1139	3628	Mandya	Mandya	Improvements to road from (i) Mandya - Basaralu main road to Join Gudigenahalli, Ramegowdanakoppalu, Iregowdanakoppalu and Chakanahalli (Road ID-3628) in 2026/Mandya - ADB financed.	4.6	7.5 to 10.00	7.5	521,000
1140	3636	Mandya	Mandya	Improvements to road from (i) Holalu-Sampahally MDR to Join Mandya-Nagamangala Main road via H.Kodihally form to H Kodihally (Road ID-3636) in 2026/Mandya - ADB financed.	3.485	7.5 to 10.00	7.5	521,000
1141	5070	Mandya	Mandya	Improvements to road from (i) Koppa-Basaralu MDR to Shivapura via Chikkothagere, vaddarakoppalu, (Road ID-5070) in 2026/Mandya - ADB financed.	4.96	7.5 to 10.00	7.5	521,000
1142	4482	Mandya	Melukote	Improvements to road from (i) Kerethonnur MDR to Sankahalli via Pattanagere, Deshavalli (Road ID-4482) in 2026/Mandya - ADB financed.	3.07	7.5 to 10.00	7.5	329,750
1143	4484	Mandya	Melukote	Improvements to road from (i) Deshavally to Shankahally gate via Kenchanahally (Road ID-4484) in 2026/Mandya - ADB financed.	2.34	7.5 to 10.00	7.5	329,750
1144	4933	Mandya	Melukote	Improvements to road from (i) Sunkathonnur MDR to Kurahatti (Road ID-4933) in 2026/Mandya - ADB financed.	2.51	7.5 to 10.00	7.5	329,750
1145	4938	Mandya	Melukote	Improvements to road from (i) Halesayapannahalli to Hosasayapannahalli (Road ID-4938) in 2026/Mandya - ADB financed.	2.95	7.5 to 10.00	7.5	353,000
1146	169	Mandya	Nagamangala	Improvements to road from (i) Hoovinahalli to Naragonahally Via Mallananjapura (Road ID-169) in 2026/Mandya - ADB financed.	3.41	7.5 to 10.00	7.5	296,000
1147	929	Mandya	Nagamangala	Improvements to road from (i) Nagamangala-Jakkanahalli SH to machalaghatta Via Gudehosahally, Chowdagonahalli (Road ID-929) in 2026/Mandya - ADB financed.	3.78	7.5 to 10.00	7.5	191,000
1148	940	Mandya	Nagamangala	Improvements to road from (i) Handenahally colony to S.Mallasandra Via Handenahally B.Shanubhoganahally (Road ID-940) in 2026/Mandya - ADB financed.	2.77	7.5 to 10.00	7.5	191,000
1149	3704	Mandya	Nagamangala	Improvements to road from (i) Sathenahally to Hanumanahally (Road ID-3704) in 2026/Mandya - ADB financed.	4.22	7.5 to 10.00	7.5	296,000
1150	4350	Mandya	Shrirangapatana	Improvements to road from (i) Nelamane to Panadavapura Railway Station (Road ID-4350) in 2026/Mandya - ADB financed.	2.62	7.5 to 10.00	7.5	353,000
1151	4369	Mandya	Shrirangapatana	Improvements to road from (i) Yaliyuru Kodi (NH-275) to Avverahally (Road ID-4369) in 2026/Mandya - ADB financed.	1.45	7.5 to 10.00	7.5	353,000

1152	5035	Mandya	Shrirangapatana	Improvements to road from (i) Nodekoppalu to Agathahalli (Road ID-5035) in 2026/Mandya - ADB financed.	2.02	7.5 to 10.00	7.5	247,000
1153	4516	Mandya	Shrirangapatana	Improvements to road from (i) Thimmanahosuru to join Mandya taluk border (Road ID-4516) in 2026/Mandya - ADB financed.	2.855	7.5 to 10.00	7.5	393,500
1154	5029	Mandya	Shrirangapatana	Improvements to road from (i) Sunaganahalli to pura (Road ID-5029) in 2026/Mandya - ADB financed.	4.935	7.5 to 10.00	7.5	393,500
1155	1325	Mysuru	Chamundeshwari	Improvements to road from (i) SH Near Hosakote to komegowdanakopplu via yachegowdanahalli (Road ID-1325) in 2026/Mysuru - ADB financed.	4.475	10 to 12	10 to 12	116,000
1156	1362	Mysuru	Chamundeshwari	Improvements to road from (i) Arasinakere to Gujlegowdanapura (Road ID-1362) in 2026/Mysuru - ADB financed.	5.225	10 to 12	10 to 12	371,000
1157	4242	Mysuru	Chamundeshwari	Improvements to road from (i) Gohally to Martikyanahally Road (Road ID-4242) in 2026/Mysuru - ADB financed.	1.975	10 to 12	10 to 12	116,000
1158	855	Mysuru	Heggadadevanakote	Improvements to road from (i) Improvements to road from Mysore-Manadavadi Road to Hampapura via Hirenandi,Malarada hadi,Jinnahalli (Road ID-855) in 2026/Mysuru - ADB financed.	4.41	10 to 12	10 to 12	125,500
1159	858	Mysuru	Heggadadevanakote	Improvements to road from (i) Improvements to road from Hulikura to Hebbalakuppe (Road ID-858) in 2026/Mysuru - ADB financed.	2.425	10 to 12	10 to 12	116,000
1160	891	Mysuru	Heggadadevanakote	Improvements to road from (i) Improvements to road from Kyathanahalli to Khandegowdanapura (Road ID-891) in 2026/Mysuru - ADB financed.	3.635	10 to 12	10 to 12	371,000
1161	5074	Mysuru	Heggadadevanakote	Improvements to road from (i) Improvements to road from Basapura to Kolagala via SH Gujjappana Hundi (Road ID-5074) in 2026/Mysuru - ADB financed.	3.06	10 to 12	10 to 12	116,000
1162	5079	Mysuru	Heggadadevanakote	Improvements to road from (i) Improvements to road from Hunaganahalli to adahalli road (Road ID-5079) in 2026/Mysuru - ADB financed.	1.925	10 to 12	10 to 12	116,000
1163	924	Mysuru	Hunsur	Improvements to road from (i) Improvements to road from MDR Halladakoppalu-Tharikallu to Kendaganapura Road (Road ID-924) in 2026/Mysuru - ADB financed.	4.405	10 to 12	10 to 12	116,000
1164	928	Mysuru	Hunsur	Improvements to road from (i) Improvements to road from Periyapatna Taluk Border to Virajpet Road (SH-90) via Vadli Manuganahalli (Road ID-928) in 2026/Mysuru - ADB financed.	3.01	10 to 12	10 to 12	371,000
1165	4147	Mysuru	Hunsur	Improvements to road from (i) Improvements to road from Tharikallu to Shivaji Nagara road (Road ID-4147) in 2026/Mysuru - ADB financed.	2.1	10 to 12	10 to 12	116,000
1166	4474	Mysuru	Hunsur	Improvements to road from (i) Improvements to road from Bilikere-Gaddige road Gowripura-Uddur Road via Nadappanahally Road (Road ID-4474) in 2026/Mysuru - ADB financed.	2.05	10 to 12	10 to 12	116,000
1167	986	Mysuru	Krishnarajanagara	Improvements to road from (i) Siddapura to K.R.Nagara- Chunchanakatte road (Road ID-986) in 2026/Mysuru - ADB financed.	2.37	10 to 12	10 to 12	371,000
1168	1001	Mysuru	Krishnarajanagara	Improvements to road from (i) Kedaga to Gummanahalli via Honnenahalli MDR (Road ID-1001) in 2026/Mysuru - ADB financed.	3.545	10 to 12	10 to 12	116,000
1169	4314	Mysuru	Krishnarajanagara	Improvements to road from (i) Nadapanahally to Bandahally-KR Nagara Taluk Border via MDR near Kaloor (Road ID-4314) in 2026/Mysuru - ADB financed.	3.59	10 to 12	10 to 12	116,000
1170	4426	Mysuru	Krishnarajanagara	Improvements to road from (i) Kestur to Chunchanakatte (Road ID-4426) in 2026/Mysuru - ADB financed.	5.78	10 to 12	10 to 12	116,000
1171	310	Mysuru	Nanjangud	Improvements to road from (i) Tharadale to Halahalli MDR via Ranganathapura (Road ID-310) in 2026/Mysuru - ADB financed.	6.65	10 to 12	10 to 12	116,000
1172	319	Mysuru	Nanjangud	Improvements to road from (i) Karalapura MDR to Volgere - Masage Joining road via Handijogicolony (Road ID-319) in 2026/Mysuru - ADB financed.	5.35	10 to 12	10 to 12	166,000
1173	1051	Mysuru	Nanjangud	Improvements to road from (i) Haginavali to Kunhundi (Road ID-1051) in 2026/Mysuru - ADB financed.	4.9	10 to 12	10 to 12	371,000
1174	4201	Mysuru	Piriyapatna	Improvements to road from (i) K Hosahalli to T-11(Karinayakana Koppalu to Hosahalli M Via Kanthegowdana Koppalu,K Hosahalli) (Road ID-4201) in 2026/Mysuru - ADB financed.	4	10 to 12	10 to 12	116,000
1175	5009	Mysuru	Piriyapatna	Improvements to road from (i) Hunasavadi to Bhuthanahalli (Road ID-5009) in 2026/Mysuru - ADB financed.	2.11	10 to 12	10 to 12	371,000
1176	5011	Mysuru	Piriyapatna	Improvements to road from (i) Doddaneraile Niluvadi (Road ID-5011) in 2026/Mysuru - ADB financed.	2.38	10 to 12	10 to 12	103,000
1177	5165	Mysuru	Piriyapatna	Improvements to road from (i) Kothavalli to Melur in Periyapatna taluk (Road ID-5165) in 2026/Mysuru - ADB financed.	1.86	10 to 12	10 to 12	116,000
1178	5166	Mysuru	Piriyapatna	Improvements to road from (i) G Basavanahalli to Thelaginakuppe MDR (Road ID-5166) in 2026/Mysuru - ADB financed.	2	10 to 12	10 to 12	116,000
1179	5167	Mysuru	Piriyapatna	Improvements to road from (i) Muthur colony to Kirangur (Road ID-5167) in 2026/Mysuru - ADB financed.	2	10 to 12	10 to 12	116,000
1180	844	Mysuru	T. Narasipur	Improvements to road from (i) Aravattige Koppalu to B Seehally (Road ID-844) in 2026/Mysuru - ADB financed.	3.56	10 to 12	10 to 12	371,000
1181	4874	Mysuru	T. Narasipur	Improvements to road from (i) Hiriyuru to Road joining Thottavadi (Road ID-4874) in 2026/Mysuru - ADB financed.	2.85	10 to 12	10 to 12	116,000
1182	4878	Mysuru	T. Narasipur	Improvements to road from (i) Hosakukkuru to Vijayapura to Mudukuthore Road (Road ID-4878) in 2026/Mysuru - ADB financed.	2.3	10 to 12	10 to 12	116,000
1183	4926	Mysuru	T. Narasipur	Improvements to road from (i) Neragyathanahally to Jagajeevana Grama Via Kanayakanahalli (Road ID-4926) in 2026/Mysuru - ADB financed.	3.415	10 to 12	10 to 12	116,000
1184	1310	Mysuru	Varuna	Improvements to road from (i) Thayuru to Bilugali via Iggly (Road ID-1310) in 2026/Mysuru - ADB financed.	4.46	10 to 12	10 to 12	116,000
1185	4300	Mysuru	Varuna	Improvements to road from (i) Karya to Aralikattehundi MDR (Road ID-4300) in 2026/Mysuru - ADB financed.	1.96	10 to 12	10 to 12	116,000
1186	4816	Mysuru	Varuna	Improvements to road from (i) S Uttanahally to NH via Yandahally, Choranahally (Road ID-4816) in 2026/Mysuru - ADB financed.	7.5	10 to 12	10 to 12	116,000

1187	4880	Mysuru	Varuna	Improvements to road from (i) Mudlahundi to SH (Road ID-4880) in 2026/Mysuru - ADB financed.	1.635	10 to 12	10 to 12	371,000
1188	3307	Raichur	Devadurga	Improvements to road from (i) SH-61 to Girabgera (Road ID-3307) in 2026/Raichur - ADB financed.	4.82	7.5	7.5	422,000
1189	5264	Raichur	Devadurga	Improvements to road from (i) SH-61 to Nagadinni (Road ID-5264) in 2026/Raichur - ADB financed.	7.43	7.5-8.5	7.5-8.5	215,000
1190	4496	Raichur	Lingsugur	Improvements to road from (i) Tawaga to Huttli (Road ID-4496) in 2026/Raichur - ADB financed.	6.76	9m to 13m	9m to 13m	376,000
1191	1207	Raichur	Manvi	Improvements to road from (i) Approach road to Kadadinni (Road ID-1207) in 2026/Raichur - ADB financed.	3.53	9m to 13m	9m to 13m	449,000
1192	3824	Raichur	Manvi	Improvements to road from (i) Navalkal to Murkigudda tanda via Murkigudda (Road ID-3824) in 2026/Raichur - ADB financed.	4.75	9m to 13m	9m to 13m	184,000
1193	3825	Raichur	Manvi	Improvements to road from (i) RG road to Hokrani (Road ID-3825) in 2026/Raichur - ADB financed.	2.01	9m to 13m	9m to 13m	184,000
1194	3910	Raichur	Manvi	Improvements to road from (i) RG Road to Rajaldinni (Road ID-3910) in 2026/Raichur - ADB financed.	1.99	9m to 13m	9m to 13m	184,000
1195	3913	Raichur	Manvi	Improvements to road from (i) Sangapur to mallinamadu (Road ID-3913) in 2026/Raichur - ADB financed.	2.45	9m to 13m	9m to 13m	134,000
1196	2662	Raichur	Maski	Improvements to road from (i) Sanbal-maski road to Budinni (Road ID-2662) in 2026/Raichur - ADB financed.	3.25	9m to 13m	9m to 13m	367,000
1197	2669	Raichur	Maski	Improvements to road from (i) Pamanakallur to Anandgal (Road ID-2669) in 2026/Raichur - ADB financed.	2.78	9m to 13m	9m to 13m	284,000
1198	2699	Raichur	Maski	Improvements to road from (i) veerapur to mulur (Road ID-2699) in 2026/Raichur - ADB financed.	4.66	9m to 13m	9m to 13m	184,000
1199	3397	Raichur	Maski	Improvements to road from (i) Mattur to Mudagal main road (Road ID-3397) in 2026/Raichur - ADB financed.	5.67	9m to 13m	9m to 13m	184,000
1200	4902	Raichur	Raichur	Improvements to road from (i) Bolimandoddi to Sidrampur cross (Road ID-4902) in 2026/Raichur - ADB financed.	2.38	7.5	7.5	2,820,000
1201	4920	Raichur	Raichur	Improvements to road from (i) Baidoddi to Singnodi (Road ID-4920) in 2026/Raichur - ADB financed.	2.21	7.5	7.5	389,000
1202	5249	Raichur	Raichur	Improvements to road from (i) Baidoddi to Izapur road (Road ID-5249) in 2026/Raichur - ADB financed.	5.6	7.5	7.5	182,000
1203	3113	Raichur	Raichur Rural	Improvements to road from (i) Hanumandoddi to Ganjalili (Road ID-3113) in 2026/Raichur - ADB financed.	2.6	7.5	7.5	149,000
1204	3114	Raichur	Raichur Rural	Improvements to road from (i) Kalmala to Laxminagar camp (Road ID-3114) in 2026/Raichur - ADB financed.	2.235	4.5-7.5	4.5-7.5	194,000
1205	3894	Raichur	Raichur Rural	Improvements to road from (i) Seekal to Muranpur Tanda (Road ID-3894) in 2026/Raichur - ADB financed.	3.13	7.5	7.5	294,000
1206	4410	Raichur	Raichur Rural	Improvements to road from (i) Meerapur to Idapnoor (Road ID-4410) in 2026/Raichur - ADB financed.	3.6	7.5	7.5	149,000
1207	4506	Raichur	Raichur Rural	Improvements to road from (i) Mantralaya main road to Bullapur via Ramnagar camp (Road ID-4506) in 2026/Raichur - ADB financed.	3.7	7.5	7.5	149,000
1208	3794	Raichur	Sindhanur	Improvements to road from (i) C.S.F To Ayyanur road via Vigneshwara camp,Venkateshwara camp,Annapura camp,Paparao camp. (Road ID-3794) in 2026/Raichur - ADB financed.	13.9	9m to 13m	9m to 13m	426,000
1209	5265	Raichur	Sindhanur	Improvements to road from (i) kunatigi to SH 150A ,Kunatigi camp (Road ID-5265) in 2026/Raichur - ADB financed.	2.11	9m to 13m	9m to 13m	211,000
1210	5223	Ramanagara	Channapatna	Improvements to road from (i) BANGALORE-MYSORE ROAD TO MARADEVANAHALLI (CHANNAPATNA- MADDUR TALUK BORDER) VIA GANDHI GRAMA, KOLURU, SEEBANAHALLI (Road ID-5223) in 2026/Bengaluru (Rural) - ADB financed.	4.8	7-8m	10-12 m	182,000
1211	5224	Ramanagara	Channapatna	Improvements to road from (i) BANGALORE-MYSORE ROAD TO DABANGUNDA VIA PUTTAPPANADODDI (Road ID-5224) in 2026/Bengaluru (Rural) - ADB financed.	1.94	8.5-9	10-12 m	149,000
1212	5227	Ramanagara	Channapatna	Improvements to road from (i) VANDARAGUPPE TO CHANNAPATNA SWM PLANT VIA POULIDODDI (Road ID-5227) in 2026/Bengaluru (Rural) - ADB financed.	3.083	8.5-9.5	10-12 m	422,000
1213	4932	Ramanagara	Magadi	Improvements to road from (i) HULLENAHALLI LAYA TO BISKUR ROAD VIA KUPPEPALYA HOSAPALYA (Road ID-4932) in 2026/Bengaluru (Rural) - ADB financed.	2.86	8.5-9	8-10 m	149,000
1214	5190	Ramanagara	Magadi	Improvements to road from (i) NH-75 TO CHIKKAKALYA-SANKIGHATTIA ROAD VIA DANDENAHALLI, JANATHA COLONY (Road ID-5190) in 2026/Bengaluru (Rural) - ADB financed.	2.8	8.5-10	8-10 m	152,000
1215	5193	Ramanagara	Magadi	Improvements to road from (i) KALYA TO HUJAGAL VIA MAYANAYAKANAHALLI (Road ID-5193) in 2026/Bengaluru (Rural) - ADB financed.	2.7	7-9 m	8-10 m	230,000
1216	5194	Ramanagara	Magadi	Improvements to road from (i) VAJARAHALLI TO BYALADAKERE (Road ID-5194) in 2026/Bengaluru (Rural) - ADB financed.	2.02	7-9 m	8-10 m	140,000
1217	5198	Ramanagara	Magadi	Improvements to road from (i) MADABAL TO KARLAMANGALA VIA PURA (Road ID-5198) in 2026/Bengaluru (Rural) - ADB financed.	2.7	7-9 m	8-10 m	140,000
1218	5213	Ramanagara	Magadi	Improvements to road from (i) BALELINGGOWDANADODDI TO THIRUMALEGOWDANADODDI VIA THALAWADI (Road ID-5213) in 2026/Bengaluru (Rural) - ADB financed.	1.87	7-9 m	8-10 m	140,000
1219	5085	Ramanagara	Ramanagara m	Improvements to road from (i) ANNAHALLI TO BIDADI - MUDUVADI ROAD VIA PAREGOWDANAPALYA SHAMBEGOWDAPALYA (Road ID-5085) in 2026/Bengaluru (Rural) - ADB financed.	2.33	7-9 m	8-10 m	149,000
1220	5089	Ramanagara	Ramanagara m	Improvements to road from (i) URSU COLONY TO KADASIKOPPA VIA KOLLIGANAHALLI SANTENAHALLI (Road ID-5089) in 2026/Bengaluru (Rural) - ADB financed.	2.89	7-9 m	8-10 m	230,000
1221	5141	Ramanagara	Ramanagara m	Improvements to road from (i) HULIGONDANAHALLI TO BANNIKUPPE VIA BYREGOWDANAVALASE (Road ID-5141) in 2026/Bengaluru (Rural) - ADB financed.	2.02	7-9 m	8-10 m	422,000

1222	5226	Ramanagara	Ramanagara m	Improvements to road from (i) BIDADI MUDAWADI ROAD TO CHEELURU VIA CHIKAKALBALU (Road ID-5226) in 2026/Rennaluru (Rural) - ADB financed.	4.39	7-9 m	8-10 m	248,000
1223	241	Shivamogga	Bhadravathi	Improvements to road from (i) Puttannanagara to L-031 (Road ID-241) in 2026/Shimoga - ADB financed.	3.286	7.5 -10.0	7.5	149,000
1224	2474	Shivamogga	Bhadravathi	Improvements to road from (i) Jayanagara L - 031 (Road ID-2474) in 2026/Shimoga - ADB financed.	2.69	7.5 -10.0	7.5	239,000
1225	2584	Shivamogga	Bhadravathi	Improvements to road from (i) NH 69 To Kumbargundi (Road ID-2584) in 2026/Shimoga - ADB financed.	2.4	7.5 -10.0	7.5	149,000
1226	5332	Shivamogga	Bhadravathi	Improvements to road from (i) Huliya Ramunkoppa To Siddapura Hossuru (Road ID-5332) in 2026/Shimoga - ADB financed.	1.71	7.5 -10.0	7.5	125,000
1227	5333	Shivamogga	Bhadravathi	Improvements to road from (i) Siggebaggi To Hollehonur - Bhadravathi Road (Road ID-5333) in 2026/Shimoga - ADB financed.	1	7.5 -10.0	7.5	140,000
1228	5346	Shivamogga	Bhadravathi	Improvements to road from (i) NH369 To Kablikatte (Road ID-5346) in 2026/Shimoga - ADB financed.	1.8	7.5 -10.0	7.5	149,000
1229	767	Shivamogga	Sagar	Improvements to road from (i) Improvements of road from NH 366C (Gouthamapura) to Kannuru via Dananduru in Sagara taluk Shivamogga Dist (Road ID-767) in 2026/Shikaripura - ADB financed.	2.125	8-10	8-10	180,500
1230	3981	Shivamogga	Sagar	Improvements to road from (i) Improvements of road from Doddabailu to Karehonda road in Sagara taluk Shivamogga Dist (Road ID-3981) in 2026/Shikaripura - ADB financed.	1.67	8-10	8-10	204,833
1231	5340	Shivamogga	Sagar	Improvements to road from (i) Improvements to Road from NH 206 to Kannuru via Tangalavadi Hosakoppa Road in Sagara taluk Shivamogga Dist (Road ID-5340) in 2026/Shikaripura - ADB financed.	4.45	8-10	8-10	204,833
1232	5344	Shivamogga	Sagar	Improvements to road from (i) Improvements of road from Gadikatte to Bilagodi in Sagara taluk Shivamogga Dist (Road ID-5344) in 2026/Shikaripura - ADB financed.	3.1	8-10	8-10	228,833
1233	1430	Shivamogga	Shikaripura	Improvements to road from (i) Improvements of road from Balligavi to mugalikoppa , Hosomuthagi road in Shikaripura taluk Shivamogga Dist (Road ID-1430) in 2026/Shikaripura - ADB financed.	3.3	8-10	8-10	204,666
1234	1871	Shivamogga	Shikaripura	Improvements to road from (i) Improvements of road from Gama to Nandihalli in Shikaripura taluk Shivamogga Dist (Road ID-1871) in 2026/Shikaripura - ADB financed.	2.8	8-10	8-10	228,666
1235	5343	Shivamogga	Shikaripura	Improvements to road from (i) Improvements of road from Mallenahalli circle to Herekeri-Chikkeruru mainroad(Sheetekonda) in Shikaripura taluk Shivamogga Dist. (Road ID-5343) in 2026/Shikaripura - ADB financed.	1.7	8-10	8-10	219,666
1236	4988	Shivamogga	Shimoga	Improvements to road from (i) Shimoga - Devakthikoppa Main Road To Bommanakatte Road (Road ID-4988) in 2026/Shimoga - ADB financed.	1.84	7.5 -10.0	7.5	521,000
1237	2213	Shivamogga	Shimoga Rural	Improvements to road from (i) Hakkipilki camp to kattigere (Road ID-2213) in 2026/Shimoga - ADB financed.	2.23	7.5 -10.0	7.5	149,000
1238	2330	Shivamogga	Shimoga Rural	Improvements to road from (i) Haramagatta To Mussenahalu MDR (Road ID-2330) in 2026/Shimoga - ADB financed.	5.12	7.5 -10.0	7.5	272,000
1239	4785	Shivamogga	Shimoga Rural	Improvements to road from (i) Improvement Road From Targnalli Cross To Kudli cross via Bhadrapura (Road ID-4785) in 2026/Shimoga - ADB financed.	1.812	7.5 -10.0	7.5	332,000
1240	1391	Shivamogga	Sorab	Improvements to road from (i) Improvements of road from Kalguddi to Kamanavalli Cross via Hirechouti (Selected Reach) in Soraba taluk shivamogga dist (Road ID-1391) in 2026/Shikaripura - ADB financed.	1.3	8-10	8-10	140,000
1241	1464	Shivamogga	Sorab	Improvements to road from (i) Improvements of road from SH to Hanchi tanda road in Soraba taluk shivamogga dist (Road ID-1464) in 2026/Shikaripura - ADB financed.	3.46	8-10	8-10	189,000
1242	4946	Shivamogga	Sorab	Improvements to road from (i) Improvements of road from Jade MDR to Hanaji-Hosakoppa-Bankasana Road in Soraba taluk shivamogga dist (Road ID-4946) in 2026/Shikaripura - ADB financed.	1.8	8-10	8-10	155,000
1243	4954	Shivamogga	Sorab	Improvements to road from (i) Improvements of road from Bommanahalli to Kuppagadde Road in Soraba taluk shivamogga dist (Road ID-4954) in 2026/Shikaripura - ADB financed.	2	8-10	8-10	189,000
1244	5320	Shivamogga	Sorab	Improvements to road from (i) Improvements of road from Bennuru to T-10 in Soraba taluk shivamogga dist (Road ID-5320) in 2026/Shikaripura - ADB financed.	4	8-10	8-10	214,000
1245	5335	Shivamogga	Sorab	Improvements to road from (i) Improvements of road from Kamanavalli to Herehawti Road in Soraba taluk shivamogga dist (Road ID-5335) in 2026/Shikaripura - ADB financed.	2.3	8-10	8-10	214,000
1246	5329	Shivamogga	Tirthahalli	Improvements to road from (i) Kondlur To T-10(SH 52 to Hunasekoppa Road) (Road ID-5329) in 2026/Shimoga - ADB financed.	1.57	7.5 -10.0	7.5	149,000
1247	5330	Shivamogga	Tirthahalli	Improvements to road from (i) SH-52 to Hanneradukhandaka road (Road ID-5330) in 2026/Shimoga - ADB financed.	5.1	7.5 -10.0	7.5	272,000
1248	5331	Shivamogga	Tirthahalli	Improvements to road from (i) Salmara - Hanneradu Kandaka road to Heggademanane (Road ID-5331) in 2026/Shimoga - ADB financed.	3.35	7.5 -10.0	7.5	182,000
1249	311	Tumakuru	Chikknayakanhalli	Improvements to road from (i) Improvements to Road from Kaimara Cross (SH47) to Davanada Hosahalli in C N Halli Taluk (Road ID-311) in 2026/Tumakuru - ADB financed.	4.91	7.5-9.0m	7.5m	241,000

1250	374	Tumakuru	Chikknayakanhalli	Improvements to road from (i) Improvements to Road from MDR to Belaguli Via Hosa Gollarahatti and Hale Gollarahatti & Rangapura in C N Halli Taluk (Road ID-374) in 2026/Tumakuru - ADB financed.	4.23	7.5-9.0m	7.5m	446,000
1251	3695	Tumakuru	Gubbi	Improvements to road from (i) Gubbi Hebbur Road to Tumakuru Border Via Bastikere Biligere (Road ID-3695) in 2026/Tumakuru - ADB financed.	2.93	8-9 m	9-10 m	422,000
1252	4456	Tumakuru	Gubbi	Improvements to road from (i) Benehalli to T12 Via Bettadahalli (Road ID-4456) in 2026/Tumakuru - ADB financed.	3.39	7.5-9 m	8-10 m	149,000
1253	5326	Tumakuru	Gubbi	Improvements to road from (i) Sajayanapalya Cross to Kakkenahalli (Road ID-5326) in 2026/Tumakuru - ADB financed.	3.91	8-9 m	8-10 m	182,000
1254	1959	Tumakuru	Koratagere	Improvements to road from (i) Improvements to Road from KMT Road to K.Hariharappanpalya via chowlunte,chikkegowdanhalli (Road ID-1959) in 2026/Sira - ADB financed.	4.06	7.5m to 10.0m	7.5m	239,000
1255	2035	Tumakuru	Koratagere	Improvements to road from (i) Improvements to Road from Hosahalli Road to sompura via Ammanhalli (Road ID-2035) in 2026/Sira - ADB financed.	2.88	7.5m to 10.0m	7.5m	149,000
1256	2257	Tumakuru	Koratagere	Improvements to road from (i) Improvements to Road from KMT Road to Puttasandra cross via Veerapura,Kalaganahalli,Pattadevarapalya (Road ID-2257) in 2026/Sira - ADB financed.	3.11	7.5m to 10.0m	7.5m	149,000
1257	4231	Tumakuru	Koratagere	Improvements to road from (i) Improvements to Road KMT Road to Hulisoppinahalli (Road ID-4231) in 2026/Sira - ADB financed.	3.25	7.5m to 10.0m	7.5m	149,000
1258	4750	Tumakuru	Koratagere	Improvements to road from (i) Improvements to Road from Godrahalli to Siddalingaiahnapalya via Kashapura (Road ID-4750) in 2026/Sira - ADB financed.	3.61	7.5m to 10.0m	7.5m	149,000
1259	2491	Tumakuru	Kunigal	Improvements to road from (i) SH 84 to Paduvagere Via Benavara, Valagerepura and Kantanhalli (Road ID-2491) in 2026/Tumakuru - ADB financed.	6.2	7.5m to 10.0m	7.5m	272,000
1260	2889	Tumakuru	Kunigal	Improvements to road from (i) SH 33 to Chikkamavatturu Via Tangachihalli (Road ID-2889) in 2026/Tumakuru - ADB financed.	3.54	7.5m to 10.0m	7.5m	173,000
1261	3124	Tumakuru	Kunigal	Improvements to road from (i) Byadagere Gate to Kuppe Main Road Via Kodihalli (Road ID-3124) in 2026/Tumakuru - ADB financed.	2.28	7.5m to 10.0m	7.5m	158,000
1262	2067	Tumakuru	Madhugiri	Improvements to road from (i) Improvements to Road from Chandragiri to Dabbeghatta-Rantavala Road via Mallenhalli (Road ID-2067) in 2026/Sira - ADB financed.	3.468	8.5 - 10.2 m	7.5m	422,000
1263	3011	Tumakuru	Madhugiri	Improvements to road from (i) Improvements to Road from Hosakere-Muddenhally Road to Thandoti via Hosaitakaloti, Haleitakaloti (Road ID-3011) in 2026/Sira - ADB financed.	4.95	8.9-9m	7.5m	149,000
1264	4277	Tumakuru	Madhugiri	Improvements to road from (i) Improvements to Road from Kotagarahalli to Virupagondanahalli cross via Bullasandra (Road ID-4277) in 2026/Sira - ADB financed.	2.483	8.5-9.5 m	7.5m	149,000
1265	5253	Tumakuru	Madhugiri	Improvements to road from (i) Improvements to Road from Hosakere-Rantavala Road to Honnapura via Mayagondanahalli (Road ID-5253) in 2026/Sira - ADB financed.	2.56	8.5-10 m	7.5m	149,000
1266	2943	Tumakuru	Pavagada	Improvements to road from (i) Improvements to Road from Sulanayakanahalli to Kotagudda road via Yarammanahalli (Road ID-2943) in 2026/Sira - ADB financed.	5.5	8.5-10 m	7.5m	289,000
1267	2062	Tumakuru	Sira	Improvements to road from (i) Improvements to Road from NH-04 to Kallambella Banglow via Mallashettihalli, Kenchaganahally,Pillemallayyanapalya (Road ID-2062) in 2026/Sira - ADB financed.	3.465	8.5-9 m	7.5 - 10 m	299,000
1268	2114	Tumakuru	Sira	Improvements to road from (i) Improvements to Road from Sira-Amarapura Road to Rangapura (Road ID-2114) in 2026/Sira - ADB financed.	2.29	8-9	8-10 m	239,000
1269	2161	Tumakuru	Sira	Improvements to road from (i) Improvements to Road from Kagelinganahalli to Tarur Road via Balabassavanahally,Bytganahatti (Road ID-2161) in 2026/Sira - ADB financed.	3.058	8-9	8-10 m	149,000
1270	3927	Tumakuru	Sira	Improvements to road from (i) Improvements to Road from Muganahalli to NH-234 (Road ID-3927) in 2026/Sira - ADB financed.	2.5	8-9	8-10 m	149,000
1271	4133	Tumakuru	Sira	Improvements to road from (i) Improvements to Road from Hemdore to Veerapura (Road ID-4133) in 2026/Sira - ADB financed.	1.96	8-10	8-10 m	116,000
1272	4137	Tumakuru	Sira	Improvements to road from (i) Improvements to Road from SH-159 to Chinnenahally via javanahally (Road ID-4137) in 2026/Sira - ADB financed.	1.71	8.9-9.5	8-10 m	149,000
1273	2458	Tumakuru	Tiptur	Improvements to road from (i) Improvements to Road from M S Palya to Dasarighaatta in Tiptur Taluk (Road ID-2458) in 2026/Tumakuru - ADB financed.	2.48	6.5m-7.5m	7.5m	299,000
1274	2559	Tumakuru	Tiptur	Improvements to road from (i) Improvements to road from Anagondanahalli to Rangapura Via Hosahalli & Chikka Rangapura in Tiptur Taluk (Road ID-2559) in 2026/Tumakuru - ADB financed.	5.17	6.5m-7.5m	7.5m	422,000
1275	2679	Tumakuru	Tiptur	Improvements to road from (i) Improvements to road from to Shivara (High School) to Kodi Koppalu in Tiptur Taluk (Road ID-2679) in 2026/Tumakuru - ADB financed.	4.29	6.5m-7.5m	7.5m	332,000
1276	4840	Tumakuru	Tumkur City	Improvements to road from (i) Satyamangala to Swandenahalli Via Beeranakalli (Road ID-4840) in 2026/Tumakuru - ADB financed.	3.002	7.5m to 10.0m	7.5m	272,000
1277	4847	Tumakuru	Tumkur City	Improvements to road from (i) SH 94 to Shettihalli Cross Via Shettihalli Palya (Road ID-4847) in 2026/Tumakuru - ADB financed.	2.39	7.5m to 10.0m	7.5m	158,000

1278	4866	Tumakuru	Tumkur City	Improvements to road from (i) Dibbur to Heggere Via TCB Road Vakkodi (Road ID-4866) in 2026/Tumakuru - ADB financed.	5.466	7.5m to 10.0m	7.5m	173,000
1279	688	Tumakuru	Tumkur Rural	Improvements to road from (i) SH 33 to Vaderpura Via Srikantainapalya Bestarapalya and Colony (Road ID-688) in 2026/Tumakuru - ADB financed.	3.11	7.5m to 10.0m	7.5m	173,000
1280	2929	Tumakuru	Tumkur Rural	Improvements to road from (i) Bychenahalli to Gubbi Border Via Bisalahalli, Chikkagollahalli and Kaduvinakunte (Road ID-2929) in 2026/Tumakuru - ADB financed.	4.92	7.5m to 10.0m	7.5m	272,000
1281	3028	Tumakuru	Tumkur Rural	Improvements to road from (i) Shanthapura to Bannikuppe Cross Via Chikkanahatti (Road ID-3028) in 2026/Tumakuru - ADB financed.	2.23	7.5m to 10.0m	7.5m	354,000
1282	1679	Tumakuru	Turuvekere	Improvements to road from (i) Improvements to Road from Mudigere-Obbenagasandra MDR to Devanayakanahalli (MDR) via Nagalapura in Turuvekere Taluk. (Road ID-1679) in 2026/Tumakuru - ADB financed.	4.74	7.5m-8.1m	8.1m	446,000
1283	2956	Tumakuru	Turuvekere	Improvements to road from (i) Improvements to Road from Hulikere (Canal) to Hedagehalli MDR via Gonitumkur in Turuvekere Taluk. (Road ID-2956) in 2026/Tumakuru - ADB financed.	5.38	7.5m-8.1m	8.1m	341,000
1284	2860	Udupi	Kapu	Improvements to road from (i) Arbi Dasharathanagara road (Road ID-2860) in 2026/Udupi - ADB financed.	2.05	6 to 8	6 to 8	296,000
1285	4884	Udupi	Kapu	Improvements to road from (i) Adamaru to paniyur road (Road ID-4884) in 2026/Udupi - ADB financed.	1.59	6 to 8	6 to 8	191,000
1286	2552	Udupi	Kundapur	Improvements to road from (i) Koni proper to Kageni road (Road ID-2552) in 2026/Udupi - ADB financed.	5.57	6 to 8	6 to 8	371,000
1287	1314	Udupi	Udupi	Improvements to road from (i) KunJalu to Matapady via Devarahadi Bolje road (Road ID-1314) in 2026/Udupi - ADB financed.	3.66	6 to 8	6 to 8	140,000
1288	1315	Udupi	Udupi	Improvements to road from (i) Uppinakatte to Chitteri road (Road ID-1315) in 2026/Udupi - ADB financed.	2.27	6 to 8	6 to 8	140,000
1289	1323	Udupi	Udupi	Improvements to road from (i) Beloorjeddu, Kumragodu Ganapathi temple road (Road ID-1323) in 2026/Udupi - ADB financed.	1.01	6 to 8	6 to 8	323,000
1290	831	Vijayanagara	Hagaribom manahalli	Improvements to road from (i) Varalahalli to Dashamapura road Via Upparaghatta (Road ID-831) in 2026/Ballari - ADB financed.	8.02	8 to 10	7.5	371,000
1291	2109	Vijayanagara	Hagaribom manahalli	Improvements to road from (i) Hosa Anandadevanahalli to Kechinabandi (Road ID-2109) in 2026/Ballari - ADB financed.	2.17	8 to 10	7.5	116,000
1292	3446	Vijayanagara	Hagaribom manahalli	Improvements to road from (i) Marabbihall Thanda to Narayanadevanakere (Road ID-3446) in 2026/Ballari - ADB financed.	3.05	8 to 10	7.5	116,000
1293	2228	Vijayanagara	Kudligi	Improvements to road from (i) Badeladuku to Kottur-kudligi Road via Doddagollarahatti (Road ID-2228) in 2026/Ballari - ADB financed.	3.55	8 to 10	7.5	371,000
1294	3434	Vijayanagara	Kudligi	Improvements to road from (i) MB Ayyanahalli to Bhishnahalli cross (Road ID-3434) in 2026/Ballari - ADB financed.	3.84	8 to 10	7.5	116,000
1295	3441	Vijayanagara	Kudligi	Improvements to road from (i) Sakalapura Gollarahatti to NH50 (Road ID-3441) in 2026/Ballari - ADB financed.	2.735	8 to 10	7.5	116,000
1296	3451	Vijayanagara	Kudligi	Improvements to road from (i) Beeralagudda-Badeladaku road to NH 50 via Morabanahalli (Road ID-3451) in 2026/Ballari - ADB financed.	2.44	8 to 10	7.5	116,000
1297	4870	Vijayanagara	Kudligi	Improvements to road from (i) Sanklapura to chiratagundu -Koracharahatti road (Road ID-4870) in 2026/Ballari - ADB financed.	2.245	8 to 10	7.5	116,000
1298	841	Vijayapura	Babaleshwar	Improvements to road from (i) Tonashyal Approach Road (Road ID-841) in 2026/Vijayapura - ADB financed.	5.05	8 to 10 m	8 to 10 m	209,000
1299	1082	Vijayapura	Babaleshwar	Improvements to road from (i) MANENADADDI-BHISENODDI -LUNAR LT TO JOIN BUTANAL-ARAKERI-SIDDAPUR NH ROAD (Road ID-1082) in 2026/Vijayapura - ADB financed.	4.41	8 to 10 m	8 to 10 m	140,000
1300	5005	Vijayapura	Babaleshwar	Improvements to road from (i) Improvements to road from Takkalaki- Takkalaki It-01- Takkalaki It-02- up tp MH Border (Road ID-5005) in 2026/Vijayapura - ADB financed.	5.04	8 to 10 m	8 to 10 m	254,000
1301	5239	Vijayapura	Basavana Bagevadi	Improvements to road from (i) Golasangi to Nagawad (Road ID-5239) in 2026 - ADB financed.	3.39	8 to 10 m	8 to 10 m	140,000
1302	5240	Vijayapura	Basavana Bagevadi	Improvements to road from (i) NH 52 to Halladagennur (Road ID-5240) in 2026 - ADB financed.	1.75	8 to 10 m	8 to 10 m	140,000
1303	5242	Vijayapura	Basavana Bagevadi	Improvements to road from (i) Ronihal to Mulawad LT (Road ID-5242) in 2026 - ADB financed.	4.96	8 to 10 m	8 to 10 m	149,000
1304	5243	Vijayapura	Basavana Bagevadi	Improvements to road from (i) SH to Asangi BK (Road ID-5243) in 2026 - ADB financed.	3.98	8 to 10 m	8 to 10 m	158,000
1305	5244	Vijayapura	Basavana Bagevadi	Improvements to road from (i) SH to Nagaradinni (Road ID-5244) in 2026 - ADB financed.	1.7	8 to 10 m	8 to 10 m	248,000
1306	5152	Vijayapura	Bijapur City	Improvements to road from (i) Improvements to Road from Toravi LT-4 to Navaraspur (Road ID-5152) in 2026/Vijayapura - ADB financed.	3.08	7.5 to 10m	7.5 to 10m	167,000
1307	5153	Vijayapura	Bijapur City	Improvements to road from (i) Improvements to Road from Takke to Toravi LT-4 (Road ID-5153) in 2026/Vijayapura - ADB financed.	2.35	7.5 to 10m	7.5 to 10m	287,000
1308	5156	Vijayapura	Bijapur City	Improvements to road from (i) Improvements to road from Toravi Kesaral LT- 3 to Ittangihal-Jalageri MDR (Road ID-5156) in 2026/Vijayapura - ADB financed.	3.043	7.5 to 10m	7.5 to 10m	149,000
1309	3494	Vijayapura	Devara Hippargi	Improvements to road from (i) IMPROVEMENTS TO ROAD FROM BUDIHAL PT VILLAGE TO ANIMADU VIA HALAGUNDAKANAL, ASANTAPUR & CHATTANALLI VILLAGE IN DEVAR HIPPARAGI TALUKA OF VIJAYAPUR DISTRICT (Road ID-3494) in 2026/Vijayapura - ADB financed.	10.14	7.5 to 10m	7.5 to 10m	191,000

1310	5276	Vijayapura	Devara Hippargi	Improvements to road from (i) Improvements to Road From Kanakal Village to Huvina Hippargi Village via Agasabal Village in Basavana Bagewadi Taluka of Vijayapur District (Road ID-5276) in 2026/Vijayapura - ADB financed.	3.27	7.5 to 10m	7.5 to 10m	296,000
1311	4224	Vijayapura	Indi	Improvements to road from (i) Salotagi to Hirebevanur (Road ID-4224) in 2026/Vijayapura - ADB financed.	11.079	7.5 to 10m	7.5 to 10m	191,000
1312	4998	Vijayapura	Indi	Improvements to road from (i) Improvements to road from Kudagi to Babalad (Road ID-4998) in 2026/Vijayapura - ADB financed.	3.179	7.5 to 10m	7.5 to 10m	296,000
1313	1618	Vijayapura	Muddebihal	Improvements to road from (i) Muddebihal Talikoti SH to Hokrani Approach Road (Road ID-1618) in 2026/Vijayapura - ADB financed.	2.57	8 to 10 m	8 to 10 m	164,000
1314	1619	Vijayapura	Muddebihal	Improvements to road from (i) Muddebihal Talikoti SH to Jakkeral Via Jammaladinni (Road ID-1619) in 2026/Vijayapura - ADB financed.	2.5	8 to 10 m	8 to 10 m	149,000
1315	1622	Vijayapura	Muddebihal	Improvements to road from (i) Tangadagi Nalatawad MDR To Hunakunti via Old Kapanur (Road ID-1622) in 2026/Vijayapura - ADB financed.	3.8	8 to 10 m	8 to 10 m	366,000
1316	4907	Vijayapura	Muddebihal	Improvements to road from (i) Muddebihal to Hadalageri-Yarzeri (Road ID-4907) in 2026/Vijayapura - ADB financed.	5.52	8 to 10 m	8 to 10 m	140,000
1317	4252	Vijayapura	Nagthan	Improvements to road from (i) Baradol to Shignapur (Road ID-4252) in 2026/Vijayapura - ADB financed.	8.1	8 to 10 m	8 to 10 m	396,000
1318	4253	Vijayapura	Nagthan	Improvements to road from (i) Baradol to Dumakanal (Road ID-4253) in 2026/Vijayapura - ADB financed.	8.04	8 to 10 m	8 to 10 m	291,000
1319	4695	Vijayapura	Sindgi	Improvements to road from (i) Improvements and Asphalting Road From Huvinalli Uchitanavadagi to Alahalli in Sindagi Taluka of Vijayapur District (Road ID-4695) in 2026/Vijayapura - ADB financed.	2.81	8 to 10 m	8 to 10 m	149,000
1320	4696	Vijayapura	Sindgi	Improvements to road from (i) Improvements and Asphalting Road From Sungathan to Nagavi B K in Sindagi Taluka of Vijayapur District (Road ID-4696) in 2026/Vijayapura - ADB financed.	5	8 to 10 m	8 to 10 m	158,000
1321	4697	Vijayapura	Sindgi	Improvements to road from (i) Improvements and Asphalting Road From Tontapur to Vibhuthalli in Sindagi Taluka of Vijayapur District (Road ID-4697) in 2026/Vijayapura - ADB financed.	2.7	8 to 10 m	8 to 10 m	209,000
1322	5284	Vijayapura	Sindgi	Improvements to road from (i) Improvements and Asphalting Road chikkalapur to golgeri in sindagi Taluka vijaypur district (Road ID-5284) in 2026/Vijayapura - ADB financed.	4.5	8 to 10 m	8 to 10 m	203,000
1323	2432	Yadgir	Gurmitkal	Improvements to road from (i) Jaligram to MDR Via Wadwat (Road ID-2432) in 2026/Kalburgi - ADB financed.	3.78	7.5 to 9.5	7.5 to 8.5	346,000
1324	2468	Yadgir	Gurmitkal	Improvements to road from (i) Kadechur to Bomraldoddi Via Mavinhalli (Road ID-2468) in 2026/Kalburgi - ADB financed.	6.3	7.5 to 9.5	7.5 to 8.5	241,000
1325	3509	Yadgir	Shahapur	Improvements to road from (i) Sagar to Ekkigudda (Road ID-3509) in 2026/Kalburgi - ADB financed.	4.16	7.5 to 9	7.5 to 8.	322,000
1326	3510	Yadgir	Shahapur	Improvements to road from (i) Madnal to Ingalagi (Road ID-3510) in 2026/Kalburgi - ADB financed.	3.86	7.5 to 10	7.5 to 8.5	232,000
1327	3512	Yadgir	Shahapur	Improvements to road from (i) Naganoor to Kiradalli (Road ID-3512) in 2026/Kalburgi - ADB financed.	7	7.5 to 9	7.5 to 8.5	199,000
1328	4992	Yadgir	Shorapur	Improvements to road from (i) Shorapur Ammapur Main road to Mangihal Via Nagalapur (Road ID-4992) in 2026/Kalburgi - ADB financed.	7.35	5 to 8.5	7.5 to 8.5	446,000
1329	5002	Yadgir	Shorapur	Improvements to road from (i) Baichbal to Kudalagi (Road ID-5002) in 2026/Kalburgi - ADB financed.	2.5	7.5 to 8.5	7.5 to 8.5	241,000
1330	4006	Yadgir	Yadgir	Improvements to road from (i) Konalli to Kandhalli (Road ID-4006) in 2026/Kalburgi - ADB financed.	4.1	7.5 to 9	7.5 to 8.5	256,000
1331	4119	Yadgir	Yadgir	Improvements to road from (i) Tangadgi to Gundalli Tanda (Road ID-4119) in 2026/Kalburgi - ADB financed.	7.19	7.5 to 10	7.5 to 8.5	331,000
1332	2691	Bangalore Rural		Improvements to road from Sondekoppa MDR (Gerahalli Gate) to Guruvanahalli Road via Mantanakurki, Huchappanapalya, Kulumekempalinganahalli colony, Gorinabele Colony (Road ID 5511) in PIU Bangalore rural - ADB Financed.	4	6.5 to 7.5	7.5	149,000
1333	5522	Mandya		Improvements to road from Bevinahally to Taluk Border Via Shrvanahally (Road ID 5522) in PIU Mandya - ADB Financed	2.62	7.5 to 8	7.5	149,000
1334	5523	Bangalore Rural		Improvements to road from Shivagange MDR to Veerapura Via Palanahalli (Road ID 5523) in PIU Bangalore rural - ADB Financed	2	6.5 to 7.5	7.5	149,000
1335	3685	Bangalore Rural		Improvements to road from NH-4 to Tyamagondlu MDR Via Indiranagara , Hanumathapura ,Anantapura , Kodipalyaa (Road ID 3685) in PIU Bangalore rural - ADB Financed	3.7	6.5 to 7.5	7.5	149,000

326,606,685

Budget for BAP	
Action Plan	Cost in INR
Restoration of ~2051 hectares of habitats at offset sites determined with the help of Karnataka Forest Department.	315,100,000
Deployment of qualified ecologist to survey for invasive alien species, bird nests in the vegetation and to quantify vegetation clearance and habitat loss prior to clearance	36,000,000
Training of the ecologists for the quantification of habitat losses, invasive alien species, and nesting surveys	500,000
The offset sites will be monitored semi-annually for five years to determine the status of the project towards no-net loss	2,200,000
Signages showing speed limit, wildlife crossings, and good practices in forest areas will be installed for public awareness	12,000,000
Community awareness –sessions, celebrations, competitions	5,000,000
Total Costs	370,800,000

Appendix 18 – Critical Habitat Assessment

Introduction

1. The Karnataka Rural Roads Development Authority (KRRDA) is a professional, multi-disciplinary organization established by the Government of Karnataka to support the Rural Development and Panchayati Raj (RDPR) Department. It plays a key role in implementing rural road programs, especially centrally sponsored schemes like the Pradhan Mantri Gram Sadak Yojana (PMGSY). The KRRDA has initiated an ambitious project (Karnataka Rural Roads Improvement Project- KRRIP) to upgrade rural roads across all 31 districts within Karnataka. The KRRIP is a major rural roads program implemented by KRRDA with financing support from Asian Development Bank (ADB) and the Government of Karnataka. This project aims to enhance a diverse road network that traverses various habitats including forests, grasslands, agricultural lands, scrublands, waterbodies, urban areas, protected and conserved areas such as national parks, wildlife sanctuaries, tiger and elephant reserves, eco-sensitive zones, and tiger and elephant corridors, as well as such internationally recognised areas as Key Biodiversity Areas, Important Bird and Biodiversity Areas, and UNESCO World Heritage Sites. Notably, some roads pass through the ecologically sensitive Western Ghats, globally recognised for their high biodiversity and endemism and also inscribed on the UNESCO World Natural Heritage List in 2012.
2. At this stage, 1,335 roads have been selected for rehabilitation and upgradation under the KRRIP. The project aims to upgrade the identified rural road lengths to ensure all-weather connectivity. By improving connectivity to key points such as agricultural fields, markets, and educational institutions, the project seeks to enhance the mobility of rural communities and their access to socio-economic services, ultimately contributing to poverty alleviation. The cumulative length of the roads proposed for improvement is ~5,153.1 km, with the average length of the roads being ~3.9 km. The shortest stretch is ~0.54 km (road ID 686), whereas the longest is ~15.06 km (road ID 794). The primary objectives include enhancing connectivity and accessibility, reducing travel times, and improving the safety and efficiency of the rural road network in Karnataka.
3. The Project's scope encompasses the widening and upgrading of existing roads, improving drainage, and implementing safety features for the connectivity and structural integrity. The executing and implementing agencies prepare detailed project reports for project appraisal, advance actions, and approval. These teams and their consultants possess the capacity to prepare designs, drawings, specifications, and costings. Detailed environmental and biodiversity screening for the total proposed rural road network is essential to meet these requirements.
4. Ramboll India Pvt Ltd has been engaged by ADB to conduct a comprehensive biodiversity baseline and impact assessment, along with a critical habitat assessment and biodiversity action plan for the project. This effort aims to understand the full spectrum of impacts on habitats and species to inform and design effective mitigation measures. Ramboll and associated experts have initiated this by conducting biodiversity baseline assessments and critical habitat screenings based on consultations with subject-matter experts, desk-based reviews, literature reviews, and citizen science portals. The exercise has identified multiple species of conservation concern that may be impacted by road development, labour camp establishment, and associated civil works. Sensitive species include Critically Endangered (IUCN v.2025-2) species such as the Great Indian Bustard (*Ardeotis nigriceps*), Lesser Florican (*Sypheotides indicus*), *Glyptothorax kudremukhensis*,

Hemibagrus punctatus, *Psilorhynchus tenura*, *Tor remadevii*, Adi's Day Gecko (*Cnemaspis adii*), Leith's Soft-shelled Turtle (*Nilssonia leithii*), *Isachne veldkampii*, and Endangered species such as the Dhole (*Cuon alpinus*), Asian Elephant (*Elephas maximus*), Tiger (*Panthera tigris*), Indian Pangolin (*Manis crassicaudata*), *Hipposideros pomona*, Goa Day Gecko (*Cnemaspis goaensis*), Siva's Leaf-toed Gecko (*Hemidactylus siva*), *Dimeria hohenackeri*, *Dysoxylum malabaricum*, *Eriocaulon anshiense*, *Glyptothorax anamalaiensis*, and *Hypselobarbus* spp, among others. Additionally, numerous range-restricted, and migratory and congregatory species present in Karnataka could be impacted.

Critical Habitat Assessment

5. Critical habitats are areas of high biodiversity value which may or may not encompass legally protected or internationally recognised areas of biodiversity. Critical habitats are a subset of natural habitats and/or modified habitats, and include (ADB SPS, 2009):
 - Habitats required for the survival of Critically Endangered or Endangered species
 - Areas with special significance for endemic or range-restricted species
 - Sites that are critical for the survival of migratory species
 - Areas supporting globally significant concentrations or numbers of individuals of congregatory species
 - Areas with unique assemblages of species that are associated with key evolutionary processes or provide key ecosystem services
 - Areas with biodiversity that has significant social, cultural, or economic importance to local communities.
6. The concept of critical habitats in International Finance Corporation's Performance Standard 6 corresponds more or less to the one in ADB's SPS (2009); however, in addition to describing what critical habitats are, IFC PS 6 requires the delineation of ecologically appropriate areas of analysis that defines the biogeographic scope of the critical habitat assessment and also provides a quantitative framework for the identification of critical habitats. This quantitative framework is referred to as critical habitat criteria, with separate criteria for threatened (CR, EN, VU), range-restricted species, migratory and/or congregatory species, and highly threatened and/or unique ecosystems. 'Areas supporting key evolutionary processes' are included under criterion 5 of critical habitat assessment, but this criterion does not have a quantitative threshold. The quantitative criteria are provided in Table 0-5. Under SPS (2009), no project can be implemented inside critical habitats unless the following conditions are met:
 - There are no measurable adverse impacts, or likelihoods of such, on the critical habitat that could impair its high biodiversity value or ability to function
 - The project is not anticipated to lead to a reduction in the population of any recognised endangered or critically endangered species, or loss in the area of habitat concerned such that the persistence of a viable and representative host ecosystem will be compromised
 - Any lesser impacts are mitigated to achieve at least no-net loss of biodiversity.
7. ADB's SPS (2009) does not provide for a quantitative framework for the identification of critical habitats, nor does it provide for the delineation of the ecologically appropriate areas of analysis (EAAA) for every biodiversity value which is screened in for critical habitat assessment. However, paragraph 38 of the SPS (2009) states that the policies of ADB should be harmonised with other multilateral financial

institutions (MFIs), such as World Bank Group (WBG), International Finance Corporation (IFC) etc. The strategy for critical habitat assessment was designed to include the delineation of EAAAs and provisioning of quantitative framework for the recognition of the critical habitats following the IFC PS 6.

8. A list of potential critical habitat triggering species under bullets 1 and 2 of paragraph 151 of SPS (2009) and criteria 1 and 2 of IFC PS 6 was developed by generating an Integrated Biodiversity Assessment Tool (IBAT) report. To this list, recently described species which have not been assigned threat categories by International Union for Conservation of Nature (IUCN), but are known to be range-restricted or endemic, as well as non-threatened (LC and NT) migratory and/or congregatory species were added. Since the SPS (2009) do not extend the scope of critical habitats to include Vulnerable species, Vulnerable species were not treated as critical habitat candidate species and were excluded from screening process, unless such species were also found to be migratory/congregatory or range-restricted. The species included therein were subjected to screening based on the knowledge of their regular occurrence along the Project roads, as deduced from desk-based literature review. This resulted in the listing of 221 species candidates for CHA, of which, 43 species were screened in. However, the outcome of the critical habitat assessment presented in this report are based on the desk-based literature review, stakeholder consultations, and one-season biodiversity data collected between March and May 2026. Further field surveys are planned in the post-monsoon and winter seasons; the critical habitat assessment may require further revision based on the outcomes of the year-round monitoring and additional data that become available until February 2027. The critical habitat assessment will be concluded at the end of the winter surveys.

Approach and Methodology

9. This chapter presents the approach and methodology (A&M) used towards the determination of critical habitats.

Task 1: Desk-based Assessment

10. The first phase of the project began with a desk-based review of landscape and site-specific literature. Peer-reviewed articles focusing on ecology and biodiversity of the landscape in general and the roads, data accessible on public platforms, any other E&S documents for other projects available from the landscape available in the public domain etc were also reviewed to obtain further insights into the ecological sensitivities at the landscape level.
11. A list of ecological sensitivities in the form of threatened, and range-restricted species, and legally protected areas and internationally recognised biodiversity areas occurring within 50 km of the Project (all roads cumulatively) was generated using the Integrated Biodiversity Assessment Tool (IBAT) ESS PS 6 Report. The threatened (IUCN v.2025-2 listed Critically Endangered and Endangered), and range-restricted species (corresponding to bullets 1 and 2 of SPS, 2009, and criteria 1 and 2 of IFC PS 6) listed therein were supplemented with the migratory and/or congregatory species (bullets 3 and 4 of SPS, 2009, and criterion 3 of IFC PS 6), and range-restricted species¹ which have not been assigned a threat category by IUCN; the expanded list comprising 222 such species was subjected to a thorough critical habitat screening exercise prior to the mobilisation for primary surveys. The potential occurrence of the listed species within the Project's Area of Influence (Aoi; ~ 500 m

¹ Terrestrial vertebrates and plants are considered as range-restricted if their Extent of Occurrence (EOO) is less than 50,000 km².

buffer on both sides of the roads in this case) was assessed based on published literature, consultations with experts, primary ecology observations from previous assignments in the landscape, and information gathered from public portals such as IUCN red list and those cited in **Table 0-1**. Species that had the likelihood of occurrence within the Aol as understood from literature review, stakeholder consultations and primary surveys were screened in for CHA. This exercise resulted in the scoping in 49 species of the 222 species, for which the CHA has been conducted.

Table 0-1: Secondary Data Sources

SN	Data Source	Purpose
1	IUCN Red List of Threatened Species Online Version (2025-2)	It is the world's most comprehensive inventory of global conservation status of species. It provides a list of threatened species by classifying them under different categories from Least Concern (LC) to Extinct (EX) through an understanding of global distribution, population status and trends of the species. Classification of species, distribution, habitat preference and threats of species are also given.
2	ENVIS Scheduled Species Database	Provides updated data of scheduled species within the Wild Life (Protection) Act, 1972, and as amended in 2022 (WPA, 1972; WPAA, 2022).
3	ebird.org	ebird.org is a citizen science platform where species occurrences are hosted, as submitted by the users of the portal. The portal is extremely useful to check for bird species occurrences and count estimates, particularly in birding hotspots such as those in the vicinity of the project site.
4	BirdLife International Data Zone	Birdlife International maintains a database of Important Bird and Biodiversity Areas (IBAs) with a species list found in these IBAs, measure of sensitivity of these habitats and identifies migratory, congregatory and threatened species in the area.
5	iNaturalist	An online social network of naturalists, citizen scientists, and biologists built on the concept of mapping and sharing observations of biodiversity across the globe. Areas falling within Aol were run through this database.
6	Global Biodiversity Information Facility (GBIF)	GBIF is an international organization that focuses on making scientific data on biodiversity available online. The data are provided by many institutions from around the world; GBIF's information architecture makes these data accessible and searchable through a single portal.
7	Global Forest Watch	The map interface on this website with the 'biodiversity' filter toggled on gives a quick overview of the internationally recognised biodiversity areas occurring in the vicinity of the site.
8	Global Assessment of Reptile Distributions (GARD)	This is the updated version of the Global Assessment of Reptile Distributions (GARD; http://www.gardinitiative.org/) global distributions of 10,914 species of terrestrial reptiles. Ranges are given in a polygonal shapefile format collated from various sources and had expert validation and curation. The distribution ranges provided in this data source were relied upon to

		determine the extents of occurrence (EOO) of terrestrial reptiles. The same database was used to determine whether a restricted range reptile species triggered the quantitative thresholds under criterion 2 of IFC PS 6, loosely corresponding with bullet 2 of SPS, 2009.
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Note: This table lists data sources that were heavily relied upon, however, Ramboll did not restrict the scope of search only to these sources.

12. Listing of experts who have been consulted during the primary surveys or afterwards for critical habitat candidate species abundances is given below.

Table 0-2: List of Experts Consulted along with a Brief Summary of Discussions

SN	Name of the Expert and Affiliation	Summary of Discussion
1	Dr Raman Sukumar - Honorary Professor, Centre for Ecological Sciences, Indian Institute of Science, Bengaluru, India - Deputy Chair, IUCN/SSC Asian Elephant Specialist Group (1988 -1996), and Chair, IUCN/SSC Asian Elephant Specialist Group (1997 - 2004) - Member, Project Elephant Steering Committee, India - Member, National Board for Wildlife - Member, Western Ghats Ecology Expert Panel, Government of India and third committee of Western Ghats ESA - Chair, Karnataka Elephant Task Force	Dr Sukumar is an accomplished scientist with a focus on elephant research, tropical ecology, and conservation biology. Karnataka is known to have amongst the largest abundance of elephants in India. The elephants primarily occur in the Western Ghats and the adjoining broadleaf forests of Karnataka, often also occurring in modified habitats such as agriculture farms and coffee plantations. Most rural roads proposed for improvement fall within the elephant distribution range within Karnataka. Discussions with Dr Sukumar focused on topics such as elephant distribution and habitats within Karnataka, human-elephant conflict and co-existence, other sensitive biodiversity features in the Western Ghats, and measures to mitigate impacts to elephants from road improvements. Dr Sukumar appreciated the fact that rural transport infrastructure in the state requires improvement, particularly the connectivity between the coastal areas and the plateau areas. This is especially true owing to the lack of rail connectivity in the western parts of the state. The proposed rural roads improvement project is thereby of importance. With regards to recommendations towards the safeguarding of biodiversity, Dr Sukumar opined that every road inside the Dandeli-Anshi Tiger Reserve, Sharavati Wildlife Sanctuary, and the Mysuru Elephant Reserve will have to be looked at on a case-to-case basis. For roads in flat terrains, he suggested, identifying areas of elephant crossing and having speed-breakers built in those patches was required. In hilly areas, he recommended the identification of elephant trek paths along the foothills to ensure that the slopes were maintained for the elephants to climb down, and no further cutting of hills in those areas should be done. For the improvement of roads outside these areas, he added, there was not much of a concern, especially since these are rural roads and not wide, long highways cutting through the forests.

		Dr Sukumar also agreed to share maps of the Mysuru Elephant Reserve and provided the contact details of his student working on elephants in Cauvery Wildlife Sanctuary
2	Dr Mewa Singh INSA Distinguished Professor, University of Mysore, Mysuru, India Nominated to National Board for Wildlife	Dr Mewa Singh is an outstanding primatologist and conservation biologist. Throughout his long career, Dr Singh has studied primate social behaviour, resourcing, and viability of primate populations, including such species as Lion-tailed Macaque and Iorises. Conversations with Dr Singh focused on the diversity of primates in Western Ghats and Karnataka in general, their population or abundance status, major impacts or threats to them, impacts of rural road development to primates, and measures to mitigate those. Dr Singh's research indicates that road development involving widening and felling of trees has resulted in habitat loss and primate mortalities, leading to a decline in abundance of even seemingly common species such as Bonnet Macaque and Grey Langur. Other factors include the expanding distribution range of Rhesus Macaque into southern India. Measures to avoid or manage impacts to primates were discussed as well.
3	Dr KV Gururaja Professor, Srishti Manipal Institute of Art, Design and Technology, Bengaluru, India	Dr KV Gururaja is a herpetology systematicist, ecologist and conservation biologist. His research spans over 25 years in the field of amphibian ecology, behaviour, bioacoustics, systematics, species distribution modelling and landscape ecology. He has described species of frogs and fish and novel behaviours in frogs. Discussion with Dr Gururaja revolved around methods of documenting or recording amphibians during the monsoon season surveys, the use of recorders to record amphibian calls and their identification, and the impacts of road improvement on amphibians. Measures to mitigate the impacts were discussed. The need for additional surveys by a member of his laboratory during the monsoon was discussed.
4	Dr Bhargavi Srinivasulu Senior Scientist, Deccan Regional Station, Zoo Outreach Organization, Hyderabad, India	Dr Bhargavi Srinivasulu is amongst the IUCN assessors for the Endangered Kolar Leaf-Nosed Bat, which is restricted to the granulitic caves near Kolar, Karnataka. Discussions with Dr Srinivasulu touched upon topics such as the distribution of the species in Karnataka, its feeding biology, and the impacts of road development on the species. Dr Srinivasulu confirmed that the species is restricted to a subterranean cave on the granulitic hill at Hanumanahalli near Kolar, which is also declared as a conservation reserve and is recognised as an Alliance for Zero Extinction Site.

13. The habitat types and extents occurring within the Aol were identified and mapped. These included modified habitats comprising built-up areas, agriculture, waterbodies, linear infrastructure and other anthropogenically modified spaces; and natural habitats comprising grasslands, scrublands, forests, and waterbodies. The legally protected areas and internationally recognised biodiversity areas were mapped alongside the Project roads (Figure 0-1).

Critical Habitat Screening

14. An approach that integrates the concept of critical habitat under ADB SPS and IFC PS 6 has been used and this provides a quantitative basis for critical habitat determination. Potential critical habitat triggering species generated using IBAT and from the list compiled during the primary surveys was subjected to screening to determine the regular occurrence of a species in the Project landscape. Species which have regular occurrence within the Project landscape were screened in, whereas those species which are not reported or recorded from the landscape over the last ten years and are unlikely to occur in the landscape as confirmed from primary surveys and stakeholder and community consultations were screened out. Species that have not been reported over the last ten years on citizen-science portals from the Aol but are found to be present during primary surveys and through stakeholder and community consultations were screened in. Where neither secondary nor primary data are sufficient to determine the occurrence of the species in the landscape, targeted surveys in habitat where the species is most likely to occur will be performed. For example, dedicated amphibian surveys using call recording devices will be conducted during the post-monsoon surveys. The recorded calls will then be used to identify and list species occurring with the Aol.
15. Strictly marine species – marine mammals (cetaceans), reptiles (sea snakes, turtles), fish (sharks, rays, other marine fish), marine plants – were scoped out and not included in the screening process due to the terrestrial nature of the Project. Although some roads in the western/coastal districts of Karnataka may fall in the coastal zone, GIS analysis revealed that none of the roads are located along the beaches which may serve as critical habitats for marine reptiles such as turtles.
16. The filtered list of screened in species was subjected to critical habitat assessment.

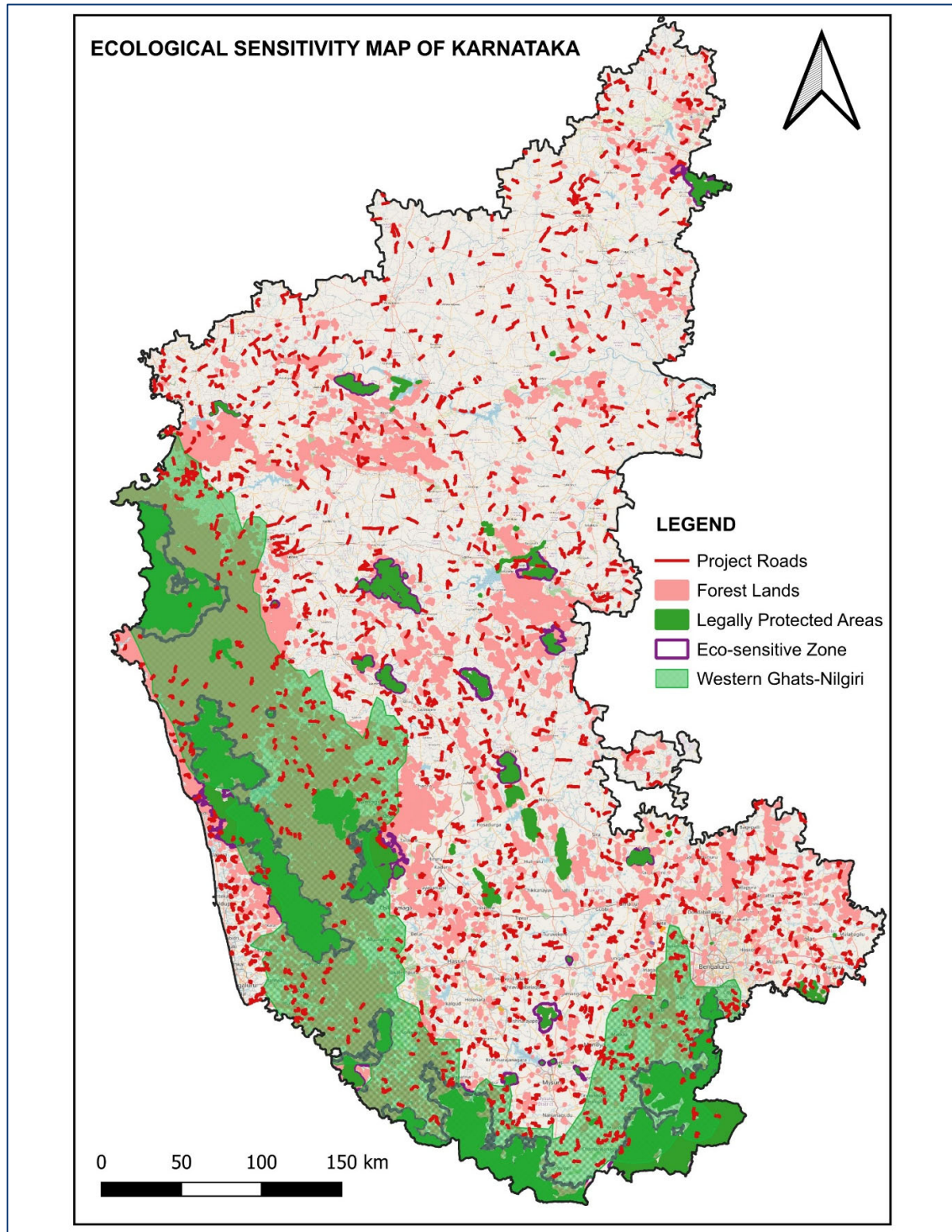
Delineation of the Ecologically Appropriate Area of Analysis (EAAA)

17. The IFC PS 6 states that 'the project should identify an ecologically appropriate area of analysis to determine the presence of critical habitat for *each* species with regular occurrence in the project's area of influence, or *ecosystem*, covered by Criteria 1-4. The client should define the boundaries of this area taking into account the distribution of species or ecosystems (within and sometimes extending beyond the project's area of influence) and the ecological patterns, processes, features, and functions that are necessary for maintaining them (*sic*)'.
18. Draft EAAAs based on the screened in species and the available information taking into the account the habitat contiguity, including that between the EAAAs and the project site, the screened in species and ecosystems or habitats involved, the ecological features and processes maintaining them, as well as the functions that are of significance for the survival of the species and the ecosystems, were delineated.
19. For every screened in species, attempts were made to delineate separate EAAAs. Where multiple screened in biodiversity values were shown to have overlapping distribution ranges and ecological requirements, individual EAAAs were aggregated into a single EAAA. To illustrate this, an aggregate of the two tropical and subtropical broadleaf biomes – dry broadleaf forests and moist broadleaf forests - representing

the Western Ghats and the adjoining dry deciduous forests to the east, encompassing Mysuru Plateau, accounted well for the distributions and ecological requirements of the Asian Elephant, Dhole, and Tiger, as well as the numerous range-restricted or endemic species occurring in the Western Ghats. The EAAA has been referred to as Broadleaf Forests EAAA. For other species that did not have an ecological overlap with any other species, individual EAAs were maintained and the probability of the species or biodiversity value triggering critical habitat requirements was assessed in each of these EAAs. For example, since the distribution range and ecological requirements of the Kolar Leaf-Nosed Bat did not overlap with any other biodiversity value or species, critical habitat determination for this species was performed inside their individual EAAs.

20. The ADB SPS (2009) do not provide for the delineation of the EAAs for every species scoped in for critical habitat assessment. The delineation of the EAAs is an important step in the identification of critical habitats, as the critical habitat criteria are applied inside the delineated EAAs and makes the identification of critical habitats more objective vis-à-vis the species' occurrence and ecological requirements. Delineation of EAAs was thereby performed following the guidance under IFC PS 6.

Figure 0-1: Ecological Sensitivities Map of Karnataka



Task 2: Primary surveys

21. Primary surveys were conducted in the delineated EAAAs to inform the CHA. The draft EAAAs were modified as required and finalised during the primary surveys, as required. Primary surveys have been proposed to be conducted in four seasons – summer (March-May 2026), monsoon (August 2026), post-monsoon (September 2026), and winter (January-February 2027) – of which, summer season surveys spanning March through May 2026 have been conducted. During the summer season primary surveys, roads were surveyed to collect primary data regarding the habitat types they fell in, the connectivity or contiguity of the habitats adjoining the roads with the nearby protected areas or ecologically sensitive areas such as tiger corridors and elephant movement areas.
22. Community consultations were held at the settlements through which the roads passed, which were, in most cases, facilitated by KRRDA's PIU representatives. Questions pertaining to the occurrence of threatened species, animal on-road mortalities, human-wildlife conflict and co-existence, community's dependence on the forest produce or other resources were asked. Following surveys were conducted during the baseline data collection for ecological aspects, presented in Table 0-3.

Table 0-3: Types of Primary Ecological Surveys Conducted

Type of Survey	Description
Habitat Survey	The habitat types available within the strict AoI of 500 m along the roads were assessed. The habitats will be primarily classified as modified or natural, followed by subtypes such as settlement/urban/built-up, agriculture/plantation, stream, wetland, canal, river, rock outcrop, forest, grassland, scrub etc.
Floral Survey	Floral species were recorded through random and opportunistic surveys in Project AoI. The identified habitat types were surveyed for representative flora present in the area. A checklist of the identified species was prepared.
Faunal Survey	Faunal species from the AoI were recorded based on direct sightings, indirect evidence such as dung, droppings, scats, pugmarks, scratch signs, burrows, nests, bird calls etc. Consultations with communities were carried out to understand the species diversity present in the area. The fauna occurring within Project AoI was surveyed using the methods mentioned below: Herpetofauna: visual encounter surveys were undertaken to document the herpetofauna (reptiles and amphibians) in Project AoI. The species were recorded through opportunistic sightings and roadkill records. In addition, consultations were undertaken with the local community to gather information regarding the herpetofauna found in Project AoI. Microhabitats supporting herpetofaunal diversity such as crevices, leaf litter, rocks and boulders, streams, riverbanks, anecuts, culverts, wood logs, tree barks and rock cuts were surveyed. Mammals: mammal surveys were conducted along the roads proposed for improvement, near waterbodies and in scrub habitats to identify the mammals through direct (visual sighting) and indirect (pellets, tracks, paw marks and scat) methods. Avifauna: an adapted avifaunal survey method was utilized for the purpose of baseline biodiversity documentation. The adapted survey method focused on key habitat features, preferred time of day to ensure maximum bird activity and target species (e.g., birds of prey and waterfowl). Transect surveys along the roads proposed for improvement and in a band of 50 m on each side were conducted. Additionally, point counts of 15 minutes at

	waterbodies were taken. Any avifaunal species encountered by visual sighting or hearing bird calls was recorded. Binoculars were used to detect and observe birds, and standard field guides were used for avifaunal identification.
Roadkill Documentation*	Roadkills along the roads were documented during the primary surveys to understand the impact of rural roads on faunal dispersal and gene flow. Species, age and sex (where possible), location, and the state of the carcass was recorded. Every recorded carcass was pushed away from the road to avoid repeated counts.
* No roadkill was documented during the primary surveys in summers, indicating a lower likelihood of roadkills along the roads proposed for improvement. However, roadkill documentation will also be carried out in the post-monsoon and winter surveys and updated accordingly.	

23. Species documented through primary and secondary surveys were compiled in the form of a checklist. Their scientific names, IUCN category (v.2025-2), protection status (Schedules of the WPAA, 2022), migration and congregation status (migratory/non-migratory and congregatory or solitary), endemic/range-restricted were compiled. During the primary surveys, attempts to collect quantitative data for the potential critical habitat triggering species were made. Similar strategy will be followed for the upcoming surveys.

Table 0-4: A Table showing the Schedule for the Upcoming Surveys and the Taxon-wise Coverage

Survey	Focal Taxa	Expected Date of Survey Start	Expected Date of Completion
Monsoon	Amphibians Reptiles Other nocturnal taxa	7 August 2026	31 August 2026
Post-monsoon	Amphibians Reptiles Other nocturnal taxa	20 September 2026	10 October 2026
Winters	Avifauna Ichthyofauna and other aquatic components	10 January 2027	25 January 2027

Note: Please note that these dates are provisional and may be revised depending upon the actual seasonality (monsoon delays/prolonged monsoon etc.). Additionally, although a list of focal taxa is given, the surveys will not document only those taxa listed in the table. The surveys will document other taxa as well, but the emphasis will be on documenting the listed taxa.

Task 3: Stakeholder consultations

24. A list of stakeholders was developed during Task 1. Discussions were held with these stakeholders either in person during the visit or over telephone call after the visit to gather information regarding the relative significance of the delineated EAAAs

in comparison the nearby areas of significance for avian species. Information on the abundance of the species screened in for CHA was collected during these conversations.

25. The details of stakeholders consulted have been provided in Table 0-2.

Task 4: Critical Habitat Assessment

26. Screened in critical habitat candidate species were subjected to critical habitat assessment under the quantitative thresholds of IFC PS 6 as mentioned in Table 0-5 to assess whether they triggered critical habitat. Unlike IFC PS 6, ADB SPS (2009) does not provide for a quantitative framework for the determination of critical habitats; rather, the SPS (2009) classifies habitats as critical following the bullet points mentioned in Section 0. The quantitative framework of IFC PS 6 was thereby strictly used to determine whether any of the EAAAs served as critical habitats for the species under CH criteria 1 through 3.

Table 0-5: IFC PS 6 Critical Habitat Quantitative Thresholds against which the Screened In Biodiversity Values were assessed

Criterion	Thresholds
<i>Criterion 1: Critically Endangered and Endangered Species</i> Species threatened with global extinction and listed as CR and EN on the IUCN Red List of Threatened Species Species that are listed nationally/regionally as CR or EN in countries that have adhered to IUCN guidance in consultation with competent professionals.	a) areas that support globally important concentrations of an IUCN Red-listed EN or CR species (0.5% of the global population AND 5 reproductive units of a CR or EN species) b) Areas that support globally important concentrations of an IUCN Red-listed VU species, the loss of which would result in the change of the IUCN Red List status to EN or CR and meet the thresholds at (a) c) As appropriate, areas containing nationally/regionally important concentrations of an IUCN Red-listed EN or CR species
<i>Criterion 2: Endemic and Restricted-range Species</i> The term endemic is defined as restricted range. Restricted range refers to a limited extent of occurrence (EOO): For terrestrial vertebrates and plants, a restricted-range species is defined as those species that have an EOO less than 50,000 km². For marine systems, restricted-range species are provisionally being considered those with an EOO of less than 100,000 km². For coastal, riverine and other aquatic species in habitats that do not exceed 200 km width at any point (e.g., rivers), restricted range is defined as having a global range less than or equal to 500 km linear geographic span (i.e., the distance between occupied locations furthest apart).	a) areas that regularly hold ≥10% of the global population size AND ≥10 reproductive units of a species

Criterion 3: Migratory and Congregatory Species Migratory species are defined as any species of which a significant proportion of its members cyclically and predictably move from one geographical area to another (including within the same ecosystem). Congregatory species are defined as species whose individuals gather in large groups on a cyclical or otherwise regular and/or predictable basis; examples include the following: Species that form colonies. Species that form colonies for breeding purposes and/or where large numbers of individuals of a species gather at the same time for non-breeding purposes (e.g., foraging, roosting). Species that move through bottleneck sites where significant numbers of individuals of a species pass over a concentrated period of time (e.g., during migration). Species with large but clumped distributions where a large number of individuals may be concentrated in a single or a few sites while the rest of the species is largely dispersed (e.g., wildebeest distributions). Source populations where certain sites hold populations of species that make an inordinate contribution to recruitment of the species elsewhere (especially important for marine species).	a) areas known to sustain, on a cyclical or otherwise regular basis, ≥ 1 percent of the global population of a migratory or congregatory species at any point of the species' lifecycle b) areas that predictably support ≥ 10 percent of the global population of a species during periods of environmental stress
Criterion 4: Highly Threatened or Unique Ecosystems	a) Areas representing $\geq 5\%$ of the global extent of an ecosystem type meeting the criteria for IUCN status of CR or EN b) Other areas not yet assessed by IUCN but determined to be of high priority for conservation by regional or national systematic conservation planning

27. Criterion 5: Key Evolutionary Processes: This criterion does not have a quantitative threshold; however, the following are examples of spatial features associated with key evolutionary processes:

- Landscapes with high spatial heterogeneity are a driving force in speciation, as species are naturally selected based on their ability to adapt and diversify
- Environmental gradients, also known as ecotones, produce transitional habitat, which has been associated with the process of speciation and high species and genetic diversity
- Edaphic interfaces are specific juxtapositions of soil types (for example, serpentine outcrops, limestone, and gypsum deposits), which have led to the formation of unique plant communities characterized by both rarity and endemism
- Connectivity between habitats (for example, biological corridors) ensures species migration and gene flow, which is especially important in fragmented habitats and for

the conservation of metapopulations. This also includes biological corridors across altitudinal and climatic gradients and from “crest to coast”

- Sites of demonstrated importance to climate change adaptation for either species or ecosystems are also included within this criterion

Task 5: Report compilation

28. Based on the outcomes of the assessments, a report has been compiled by ADB. The report contained information on project background, approach and methodology, data analyses, and the results of the analyses. The finalized EAAA boundaries, the CHA and BB Study results, stakeholder consultations have been clearly stated in the report.
29. The report also includes a Biodiversity Action Plan (BAP) which clearly states the action items to be implemented by the client at the site to safeguard the biodiversity and the species at risk of collision, along with the monitoring plan and schedule have been provided.

Limitations and assumptions

30. The following limitations and assumptions must be factored in while reading this report
 - No night surveys were performed, and data were collected during the daytime only for the summer surveys. However, the subsequent season surveys will include night surveys as well. The Karnataka Forest Department has been informed of the same and the necessary permits/provisions will be arranged
 - Limited time was spent per road given the number of roads that were to be covered
 - The current version of the CHA does not include amphibians and migratory and/or congregatory bird species, except those that have been already screened out. The critical habitat determination is interim pending post-monsoon and winter surveys. Therefore, critical habitat-dependent design and financing decisions should partly rely on this version only in the case where critical habitats have been identified since their critical habitat status will not change even after additional data are collected in the following seasons

Critical Habitat Assessment

Critical Habitat Screening

31. A total of 221 critical habitat candidate species occurring within Karnataka as listed by IBAT and supplemented with additional data collected through literature review and stakeholder consultations were subjected to critical habitat screening. Critical habitat screening was performed qualitatively, and species were screened in or out for critical habitat assessment based on whether there was enough evidence or probability of their occurrence along the road segments. If a species was likely to occur within the Project Aol or largely within Karnataka, given that the roads encompass all the districts and habitat types within the state, the species was screened in for detailed critical habitat assessment. On the contrary, if a species was unlikely to occur in Karnataka, it was screened out. For example, the occurrence of Asian Elephant, Dhole, and Tiger in Karnataka is well established in literature; such species were screened in. However, marine species, which are unlikely to occur in the roads' Aol or even the terrestrial biomes of Karnataka, were screened out and not included in the screening list.
32. The screening process included numerous non-threatened reptiles which have been considered as range-restricted. The determination of range-restriction of the reptilian species was performed using the Global Assessment of Reptilian Distributions (GARD)². The database is maintained, curated, and updated by reputed herpetologists with contributions from herpetologists globally. The species distribution datasets therein were downloaded and analysed using QGIS to determine the EOOs of the species occurring in Karnataka. When a species was found to have an EOO less than 50,000 km², it was included in the screening process. Similarly, if the species' EOO within the delineated EAAAs exceeded 10%, it was considered to trigger critical habitat requirement under criterion 2, with the assumption that 10% EOO inside the EAAA should host ~10% of the population and more than 10 reproductive units, as referred to in the IFC PS 6 GN 6-75. Similarly, an EAAA harbouring 100% of the species' EOO was assumed to host the entire species population.
33. In this first version of the screening exercise, critical habitat screening could be performed for 222 critical habitat candidate species. This section will be expanded to include the remaining species once more data from primary field surveys are available. Taxa that could not be screened in or out with confidence at this stage largely include amphibians and fishes. The critical habitat screening exercise performed for the 222 species is presented in the table below.

² Roll U, Feldman A, Novosolov M, Allison A, Bauer AM, Bernard R, Böhm M, Castro-Herrera F, Chirio L, Collen B, Colli GR, Dabool L, Das I, Doan TM, Grismer LL, Hoogmoed M, Itescu Y, Kraus F, LeBreton M, Lewin A, Martins M, Maza E, Meirte D, Nagy ZT, de C. Nogueira C, Pauwels OSG, Pincheira-Donoso D, Powney GD, Sindaco R, Tallwin OJS, Torres-Carvajal O, Trape J-F, Vidan E, Uetz P, Wagner P, Wang Y, Orme CDL, Grenyer R and Meiri S (2017) The global distribution of tetrapods reveals a need for targeted reptile conservation. *Nature Ecology & Evolution*. Springer Nature 1(11): 1677–1682. Available at: <https://doi.org/10.1038/s41559-017-0332-2>.

Table 3-1 Qualitative Analysis of Species of Conservation importance

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
AVES					
1.	Oriental Darter <i>Anhinga melanogaster</i> BirdLife International. 2024. <i>Anhinga melanogaster</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22696712A218634665. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22696712A218634665.en. Accessed on 14 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	This species has a wide distribution across the Oriental region, occurring (perhaps recently only marginally) in Pakistan, India (widespread resident), Nepal, Sri Lanka, Bangladesh, Myanmar, Thailand, Lao PDR, Viet Nam, Cambodia, Peninsular Malaysia, Malaysian Borneo, Singapore, Brunei, Indonesia (Sumatra, Java, Sulawesi, Kalimantan). The project roads do not impact any of the habitats in which the species occurs. The species has been screened out.	Out
2.	Brown Noddy <i>Anous stolidus</i> BirdLife International. 2020. <i>Anous stolidus</i>. <i>The IUCN Red List of Threatened Species</i> 2020: e.T22694794A168889812. https://dx.doi.org/10.2305/IUCN.UK.2020-3.RLTS.T22694794A168889812.en. Accessed on 14 May 2026.	IUCN: Least Concern WPAA 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	The Brown Noddy is a tropical seabird with a worldwide distribution, ranging from the Hawaiian Islands (U.S.A.) to the Tuamotu Archipelago (French Polynesia) and Australia in the Pacific Ocean, including colonies off the Pacific coast of north-west South and Central America, from the Red Sea to the Seychelles and Australia in the Indian Ocean including south-east Asia and in the Caribbean to Tristan da Cunha (St Helena to U.K.) in the Atlantic Ocean including a colony off the coast of Cameroon. Some colonies are also present in the sub-tropics with individuals from these colonies	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				wintering in the tropics (del Hoyo et al. 1996). Favourable habitats for the species do not occur in the Project AoI. The species has been screened out.	
3.	Steppe Eagle (<i>Aquila nipalensis</i>) BirdLife International. 2021. <i>Aquila nipalensis</i>. <i>The IUCN Red List of Threatened Species</i> 2021: e.T22696038A205452572. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22696038A205452572.en. Accessed on 14 May 2026.	IUCN: Endangere d WPAA, 2023: Schedule I Restricted Range: No Migrant: Yes	1 a, c; 3 a, b	The species breeds in Russia, Kazakhstan, Kyrgyzstan, PRC, and Mongolia. The species winters in south and south Asia including India. It inhabits areas of steppe and semi-desert and is recorded breeding up to 2,300 m in mountainous regions³. The roads proposed for improvement are existing roads and no expansion into the species' habitats or important areas such as feeding or roosting sites is proposed. The species has been precautionarily screened out. The screening may be revised during the surveys in the winters.	Out
4.	Greater White-fronted Goose (<i>Anser albifrons</i>) BirdLife International. 2023. <i>Anser albifrons</i>. <i>The IUCN Red List of Threatened Species</i> 2023: e.T22679881A213839615. https://dx.doi.org/10.2305/IUCN.UK.2023-2.RLTS.T22679881A213839615.en. Accessed on 14 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No	3 a, b	This species has an extremely large distribution across the Northern Hemisphere, breeding in Arctic regions of North America, Europe, and Asia, and wintering widely across southern regions including parts of Europe, Asia, and occasionally India. It is a fully migratory species with a very	Out

³ BirdLife International. 2021. *Aquila nipalensis*. *The IUCN Red List of Threatened Species* 2021: e.T22696038A205452572. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22696038A205452572.en>. Accessed on 10 November 2025.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
		Migrant: Yes		large extent of occurrence and population size ⁴ . Although the species is recorded as a winter migrant to India, including rare or sporadic sightings in southern regions such as Karnataka, these occurrences are infrequent and do not represent a significant or regular population within the state. ⁵ The species has thereby been screened out.	
5.	Greylag Goose (<i>Anser anser</i>) BirdLife International. 2018. <i>Anser anser</i>. <i>The IUCN Red List of Threatened Species</i> 2018: e.T22679889A131907747. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22679889A131907747.en. Accessed on 14 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	This species has a very large distribution across Europe and Asia, breeding mainly in northern regions and migrating southwards to wintering areas that include parts of Europe, North Africa, the Middle East, and South Asia, including India. It has an extremely large extent of occurrence and population size, with an increasing population trend.⁶ The species is a winter migrant to India, with records from several wetlands; however, its occurrence in southern India, including Karnataka, is sporadic and not indicative of a significant or stable population within the state.⁷	Out

⁴ [\[datazone.birdlife.org\]](https://datazone.birdlife.org/)

⁵ [\[JISRT23JUL1807.pdf\]](#)

⁶ [\[datazone.birdlife.org\]](https://datazone.birdlife.org/)

⁷ [\[allaboutbirds.org\]](https://allaboutbirds.org/), [\[trek.zone\]](https://trek.zone/)

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				The species has thereby been screened out.	
6.	Great Indian Bustard (<i>Ardeotis nigriceps</i>) BirdLife International. 2018. <i>Ardeotis nigriceps</i>. <i>The IUCN Red List of Threatened Species</i> 2018: e.T22691932A134188105. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22691932A134188105.en. Accessed on 14 May 2026.	IUCN: Critically Endangere d WPAA, 2023: Schedule I Restricted Range: Yes Migrant: Limited	1 a, c; 2	The species occurs in the Indian Subcontinent, with former strongholds in the Thar Desert and the Deccan plateau. It has been extirpated from ~90% of its historical range and is now largely restricted to Rajasthan, which supports the most significant remaining population. Small and fragmented populations persist in Gujarat, Maharashtra, Andhra Pradesh and Karnataka (very low and nearing local extinction), typically comprising fewer than 15–20 individuals in each state. Populations in Karnataka, Maharashtra and Andhra Pradesh are considered highly vulnerable to local extinction, with Karnataka in particular supporting only a remnant population⁸. Literature shows that the Great Indian Bustard was historically recorded across several Karnataka districts—Haveri (Ranibennur), Gadag, Koppal, Raichur, Dharwad, Bijapur (Vijayapura), Chitradurga, Tumakuru, Hassan, and Mysuru. ...suggesting widespread local extirpation. Currently, the species persists only in Vijayapura, Bidar and Ballari district of	In

⁸ Report of the Expert Committee on Great Indian Bustard (GIB). Constituted vide Hon'ble the Supreme Court Judgement dated 21.03.2024 in writ petition (civil) no. 838 of 2019, Dr. MK Ranjitsinh and Ors v/s Union of India

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				Karnataka ⁹¹⁰ . Therefore, the species has been screened in.	
7.	Lesser White-fronted Goose (<i>Anser erythropus</i>) BirdLife International. 2018. <i>Anser erythropus</i>. <i>The IUCN Red List of Threatened Species</i> 2018: e.T22679886A132300164. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22679886A132300164.en. Accessed on 14 May 2026.	IUCN: Vulnerable WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	1 b; 3 a, b	This species has a wide but fragmented distribution across the northern Palearctic, breeding primarily in Arctic regions of Russia and migrating to wintering grounds in parts of Europe, the Middle East, and East Asia. It has experienced significant population declines, and the global population is relatively small (approximately 16,000–27,000 mature individuals) with a decreasing trend.¹¹ The species is classified as Vulnerable due to rapid population declines across its range. Although it is a long-distance migratory species, its occurrence in India is rare and sporadic, with occasional records including recent isolated sightings in southern India (e.g., Mysuru, Karnataka), indicating accidental or irregular presence rather than a stable or significant population in the state.¹² The species has thereby been screened out.	Out

⁹ KUMAR, P. R., Deepak, D., KUMARA, H. N., & Babu, S. (2023). The occupancy of Great Indian Bustard (*Ardeotis nigriceps*) using local people's knowledge in the Deccan Plateau, Karnataka, India. *Biodiversitas: Journal of Biological Diversity*, 24(3).

¹⁰ Khan, S., Vijayaraghavan, V., Talukdar, G., Kumar, R. S., & Habib, B. (2025). Not All Those Who Wander Are Lost: Insights Into Movement Pattern of the Great Indian Bustard in the Deccan Landscape of India. *Ecology and Evolution*, 15(7), e71742.

¹¹ [Lesser White-fronted Goose *Anser erythropus* Species Factsheet | BirdLife DataZone](#)

¹² [\[threatenedtaxa.org\]](https://threatenedtaxa.org/)

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
8.	Bar-headed Goose (<i>Anser indicus</i>) BirdLife International. 2018. <i>Anser indicus</i>. <i>The IUCN Red List of Threatened Species</i> 2018: e.T22679893A131908564. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22679893A131908564.en. Accessed on 14 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	This species has a wide distribution across Central Asia, breeding in high-altitude regions of Mongolia, and surrounding areas, and migrating southwards to winter across South Asia, including India. It has a very large extent of occurrence and population size of around 97,000-1,18,000 individuals¹³, although the global population trend is reported to be decreasing but not at a rate sufficient for a threatened category¹⁴. The species is a regular winter migrant to India, and significant congregations are known from northern and central parts of the country. It is also reported from Karnataka, where it uses wetlands such as Magadi Lake and other irrigation tanks as wintering sites, indicating regular but habitat-specific occurrence.¹⁵ The species primarily occurs in wetlands. The Project is largely terrestrial and unlikely to extend into aquatic habitats. The species has been precautionarily screened out. The screening may be revised during the surveys in the winters.	Out

¹³ Liu, D., Zhang, G., Li, F. et al. A revised species population estimate for the Bar-headed Goose (*Anser indicus*). *Avian Res* **8**, 7 (2017). <https://doi.org/10.1186/s40657-017-0064-7>

¹⁴ [Bar-headed Goose Anser indicus Species Factsheet | BirdLife DataZone](#)

¹⁵ [\[researchgate.net\]](#), [\[greenminute.in\]](#)

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
9.	White-rumped Vulture (<i>Gyps bengalensis</i>) BirdLife International. 2021. <i>Gyps bengalensis</i>. <i>The IUCN Red List of Threatened Species</i> 2021: e.T22695194A204618615. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22695194A204618615.en. Accessed on 14 May 2026.	IUCN: Critically Endangere d WPAA, 2023: Schedule I Restricted Range: No Migrant: No	1 a, c	<i>Gyps bengalensis</i> occurs in Pakistan, India, Bangladesh, Nepal, Bhutan, Myanmar, Thailand, Laos, Cambodia and southern Viet Nam, and may be extinct in southern PRC and Malaysia. Since the mid-1990s, it has suffered a catastrophic decline (over 99%) across the Indian Subcontinent. It occurs mostly in plains and less frequently in hilly regions where it utilises light woodland, villages, cities, and open areas.¹⁶ It has been recorded within the Aol. Most recent sightings are from Bandipur-Nagarhole Complex¹⁷. A recent survey by Wildlife Institute of India indicates that there are no active nesting sites of the species in the state²¹. Given its wide-ranging foraging behaviour and the absence of known nesting or roosting sites within the Project footprint¹⁸, together with the fact that the Project is restricted to upgrades of existing roads, the species has been screened out.	Out
10.	Indian Vulture (<i>Gyps indicus</i>) BirdLife International. 2021. <i>Gyps indicus</i>. <i>The IUCN Red List of Threatened Species</i> 2021:	IUCN: Critically Endangere d	1 a, c	<i>Gyps indicus</i> breeds in south-east Pakistan and peninsular India south of the Gangetic plain, north to Delhi, east through Madhya Pradesh, south to the	Out

¹⁶ BirdLife International. 2021. *Gyps bengalensis*. *The IUCN Red List of Threatened Species* 2021: e.T22695194A204618615. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22695194A204618615.en>. Accessed on 10 November 2025.

¹⁷ Gopal, P., & Kumara, H. N. (2023). A review of the status of vultures in the southern state of Karnataka, India. *Journal of Threatened Taxa*, 15(11), 24184-24200.

¹⁸ Gopal, P., & Kumara, H. N. (2023). A review of the status of vultures in the southern state of Karnataka, India. *Journal of Threatened Taxa*, 15(11), 24184-24200.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	e.T22729731A204672586. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22729731A204672586.en . Accessed on 14 May 2026.	WPAA, 2023: Schedule I Restricted Range: No Migrant: No		Nilgiris, and occasionally further south. Only tiny populations in the Ramanagaram Hills of Karnataka and Nilgiri Forest Division in Tamil Nadu are known to remain in inland southern India, and it is rare elsewhere within its former range. It is found in cities, towns and villages near cultivated areas, and in open and wooded areas¹⁹. The species was historically widespread across peninsular India, including Karnataka, but has undergone a severe population decline and range contraction. Current evidence shows that the species is now largely restricted to the Bandipur–Nagarahole landscape (Mysuru–Chamarajanagar districts), with small, isolated populations persisting in Ramanagara district (Ramadevarabetta), while it has disappeared from most of its former range²⁰. The only breeding site of the species is at Ramadevarabetta Vulture Sanctuary in Ramanagara²¹. However, the Project is limited to the improvement of existing road infrastructure and is not expected to result in the loss or disturbance of	

¹⁹ BirdLife International. 2021. *Gyps indicus*. *The IUCN Red List of Threatened Species* 2021: e.T22729731A204672586. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22729731A204672586.en>. Accessed on 14 April 2026.

²⁰ Gopal, P. & Kumara, H.N. (2023). *A review of the status of vultures in the southern state of Karnataka, India*. Journal of Threatened Taxa, 15(11), 24184–24200.

²¹ Wildlife Institute of India. (2025). Pan India Assessment and Monitoring of Endangered Species – Vultures. Final Report. Dehradun.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				nesting cliffs, roosting sites, or significant foraging habitat. Given the species' wide-ranging foraging behaviour, the absence of known breeding colonies within the Project footprint, occurrence of favourable habitats along the road corridors is unlikely. The species has been screened out.	
11.	Egyptian Vulture (<i>Neophron percnopterus</i>) BirdLife International. 2021. <i>Neophron percnopterus</i>. <i>The IUCN Red List of Threatened Species</i> 2021: e.T22695180A205187871. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22695180A205187871.en. Accessed on 14 May 2026.	IUCN: Endangere d WPAA, 2023: Schedule I Restricted Range: No Migrant: Yes	1 a, c; 3 a, b	Migratory birds breed in northernmost Africa (Morocco, Algeria, Tunisia, Libya, Egypt), southern Europe from Spain in the west through the Mediterranean, Turkey, the Caucasus and central Asia to northern Iran, Pakistan, northern India and Nepal. It forages in lowland and montane regions over open, often arid, country, and also scavenges at human settlements²². The species persists in scattered populations across both protected and human-dominated landscapes, with regular occurrences in Mysuru (Chamundi Hills and Nagarahole), Chamarajanagar (Bandipur), and Ramanagara (Ramadevarabetta) districts. However, the Project is limited to the improvement of existing road infrastructure and is not expected to expound into nesting cliffs, roosting	Out

²² BirdLife International. 2021. *Neophron percnopterus*. *The IUCN Red List of Threatened Species* 2021: e.T22695180A205187871. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22695180A205187871.en>. Accessed on 10 November 2025.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				sites, or significant foraging habitat. Given the species' wide-ranging foraging behaviour and the absence of known breeding colonies ²¹ within the Project footprint, the species is screened out.	
12.	Great Egret (<i>Ardea alba</i>) BirdLife International. 2025. <i>Ardea alba</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22697043A280949218. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22697043A280949218.en. Accessed on 14 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	This species has an extremely large global distribution, occurring across all continents except Antarctica, and occupies a wide range of wetland habitats including lakes, rivers, marshes, estuaries, and coastal areas. It has a large global population estimated at approximately 1.1–1.6 million mature individuals, with a stable population trend.²³ The species is widely distributed across India, including Karnataka, where it occurs commonly in wetlands and may form local breeding colonies and feeding aggregations. However, these aggregations are generally dispersed across numerous wetlands and are not known to form consistently large, globally significant congregations in the state. The Project is unlikely to expand into waterbodies, and the works proposed deal only with the upgradation of	Out

²³ [Great White Egret Ardea alba Species Factsheet | BirdLife DataZone](#)

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				existing roads. The species is screened out.	
13.	Grey Heron (<i>Ardea cinerea</i>) BirdLife International. 2019. <i>Ardea cinerea</i>. <i>The IUCN Red List of Threatened Species</i> 2019: e.T22696993A154525233. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22696993A154525233.en. Accessed on 14 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	This species has a very wide distribution across Europe, Asia, and Africa, occupying a variety of wetland habitats including lakes, rivers, marshes, estuaries, and coastal areas. It has a large global population estimated at approximately 500,000–2,500,000 mature individuals and is classified as Least Concern²⁴. The species is widely distributed across India, including Karnataka, where it occurs commonly in wetlands and is known to use a variety of freshwater and coastal habitats²⁵. The Project is unlikely to expand into waterbodies, and the works proposed deal only with the upgradation of existing roads. The species is screened out.	Out
14.	Indian Skimmer (<i>Rynchops albicollis</i>) BirdLife International. 2020. <i>Rynchops albicollis</i>. <i>The IUCN Red List of Threatened Species</i> 2020: e.T22694268A178970109. https://dx.doi.org/10.2305/IUCN.UK.2020-3.RLTS.T22694268A178970109.en. Accessed on 14 May 2026.	IUCN: Endangere d WPAA, 2023: Schedule I	1 a, c; 3 a, b	Indian Skimmer is now almost completely restricted to India as a breeding bird, with only occasional breeding in western Bangladesh. The recent population decline has been accompanied by a range contraction and there are no recent confirmed breeding records from Pakistan or	Out

²⁴ [Grey Heron Ardea cinerea Species Factsheet | BirdLife DataZone](#)

²⁵ [\[animaldiversity.org\]](#)

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
		Restricted Range: No Migrant: Yes		Myanmar. It occurs primarily on larger, sandy, lowland rivers, around lakes and adjacent marshes and, in the non-breeding season, estuaries and coasts. It breeds colonially on large, exposed sand-bars and islands, requiring water levels to drop sufficiently to expose the islands and not threaten flooding the nest but not to drop so far as to allow land-based predators access to the colonies ²⁶ . There are no confirmed records of resident or breeding populations in Karnataka, and the species is considered at most a rare or vagrant visitor in peninsular India. Therefore, the species has been screened out.	
15.	Intermediate Egret (<i>Ardea intermedia</i>) BirdLife International. 2020. <i>Ardea intermedia</i> . <i>The IUCN Red List of Threatened Species</i> 2020: e.T22727668A181757896. https://dx.doi.org/10.2305/IUCN.UK.2020-3.RLTS.T22727668A181757896.en . Accessed on 15 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	This species has a wide distribution across the Indian subcontinent and Southeast Asia occurring in a variety of wetland habitats including marshes, rivers, lakes, floodplains, and coastal areas. It is present throughout India, including Karnataka, where it occurs as a common wetland bird ²⁷ . The species has a very large extent of occurrence, and although the global population size is not precisely quantified, it is considered large enough that the species is categorized	Out

²⁶ BirdLife International. 2020. *Rynchops albicollis*. *The IUCN Red List of Threatened Species* 2020: e.T22694268A178970109. <https://dx.doi.org/10.2305/IUCN.UK.2020-3.RLTS.T22694268A178970109.en>. Accessed on 10 November 2025.

²⁷ [datazone.b...rdlife.org], [indianbird...nature.com]

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				as Least Concern, despite a decreasing population trend. Intermediate Egret often occurs singly or in small groups and may form mixed-species colonies with other herons and egrets. However, these aggregations are typically moderate in size and dispersed across multiple wetlands, rather than forming large, concentrated populations at specific sites within Karnataka.²⁸ The Project is unlikely to expand into waterbodies, and the works proposed deal only with the upgradation of existing roads. The species is screened out.	
16.	Purple Heron (<i>Ardea purpurea</i>) BirdLife International. 2019. <i>Ardea purpurea</i>. <i>The IUCN Red List of Threatened Species</i> 2019: e.T22697031A154816177. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22697031A154816177.en. Accessed on 15 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	This species has a wide distribution across Africa, Europe, and Asia, including the Indian subcontinent, and is associated primarily with wetlands such as marshes, reed beds, lakes, and riverine systems. It has a large global population estimated at approximately 180,000–380,000 mature individuals, although the population trend is decreasing²⁹. The species is present across India, including Karnataka, where it utilizes marshy wetlands and reed-dominated habitats. It is known to breed colonially	Out

²⁸ [animalia.bio]

²⁹ [datazone.b...rdlife.org]

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				and may form local aggregations, particularly in suitable wetland habitats. However, these aggregations are typically localised and moderate in size, and the species tends to favor dense vegetation, leading to dispersed and less conspicuous populations rather than large open congregations. The Project is unlikely to expand into waterbodies, and the works proposed deal only with the upgradation of existing roads. The species is screened out.	
17.	Flesh-footed Shearwater (<i>Ardenna carneipes</i>) <i>BirdLife International. 2019. Ardenna carneipes (amended version of 2018 assessment). The IUCN Red List of Threatened Species 2019: e.T22698188A155469189. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22698188A155469189.en. Accessed on 15 May 2026.</i>	IUCN: Near Threatened WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	This species is a wide-ranging pelagic seabird distributed across the Indian Ocean and Pacific Ocean, breeding colonially on islands off Australia, New Zealand, and the southern Indian Ocean. It is a long-distance migrant, with non-breeding individuals dispersing widely across tropical and subtropical oceanic waters ³⁰ . The global population is estimated at approximately 74,000 breeding pairs (~148,000 mature individuals), with a declining trend, and the species is currently classified as Near	Out

³⁰ [Conservation Advice - Ardenna carneipes - flesh-footed shearwater](#)

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				Threatened ³¹ . In the Indian region, the species occurs offshore in the Arabian Sea and surrounding waters, including occasional records in Indian marine environments. However, it is largely pelagic and not associated with coastal or inland habitats, and observations in Indian waters, including off Karnataka, are infrequent and not indicative of regular or significant congregation sites ³² . Therefore, this species has been screened out.	
18.	Red-headed Vulture (<i>Sarcogyps calvus</i>) BirdLife International. 2021. <i>Sarcogyps calvus</i> . <i>The IUCN Red List of Threatened Species</i> 2021: e.T22695254A205031246. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22695254A205031246.en . Accessed on 10 November 2025.	IUCN: Critically Endangere d WPAA, 2023: Schedule I Restricted Range: No Migrant: No	1 a, c	Historical reports indicate that it was widespread and generally abundant, but it has undergone a massive population and range decline in recent decades. Recent information indicates that in India the species started undergoing a rapid decline. It frequents open country usually away from human habitation, well-wooded hills and dry deciduous forest with rivers, usually below 2,500 m. Nesting has been recorded in tall trees ³³ . Available occurrence records further indicate that the species is largely	Out

³¹ [birdlife.org.za]

³² [indianetzone.com]

³³ BirdLife International. 2021. *Sarcogyps calvus*. *The IUCN Red List of Threatened Species* 2021: e.T22695254A205031246. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22695254A205031246.en>. Accessed on 10 November 2025.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				concentrated within the Nilgiri landscape spanning southern Karnataka, particularly around Bandipur and Nagarahole, with little or no records from other parts of the state, supporting its highly restricted distribution. However, as the proposed development works will be restricted to the existing road alignments and will not extend into the nesting, feeding or roosting sites of the species. Therefore, the species is screened out.	
19.	Sooty Shearwater (<i>Ardenna grisea</i>) BirdLife International. 2019. <i>Ardenna grisea</i>. <i>The IUCN Red List of Threatened Species</i> 2019: e.T22698209A154440143. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22698209A154440143.en. Accessed on 18 May 2026.	IUCN: Near threatened WPAA, 2023: ND Restricted Range: No Migrant: Yes	3 a, b	This species is a highly migratory pelagic seabird with a global distribution across the Pacific, Atlantic, and Indian Oceans. It breeds colonially on islands off New Zealand, Australia, Chile, and the Falkland Islands, and undertakes extensive trans-equatorial migrations, dispersing widely across oceanic waters during the non-breeding season³⁴. The global population is very large, estimated at approximately 8.8 million mature individuals (or up to ~19–23 million individuals), although the population is declining and the species is categorized as Near Threatened³⁵. Within the Indian region, the species occurs offshore as a non-breeding	Out

³⁴ [datazone.birdlife.org], [mass.gov]

³⁵ [datazone.birdlife.org], [birdlife.org.za]

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				pelagic visitor, and records are limited and widely dispersed across open ocean waters rather than concentrated at specific sites. Since there are no records to indicate that the species occurs regularly in the Project footprint, this species is screened out.	
20.	Indian Pond Heron (<i>Ardeola grayii</i>) BirdLife International. 2024. <i>Ardeola grayii</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22697128A265000155. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22697128A265000155.en. Accessed on 18 May 2026.	IUCN: Least concern WPAA, 2023: II Restricted Range: No Migrant: No	3 a, b	This species is widely distributed across South Asia, including India, Sri Lanka, Nepal, Bangladesh, and parts of the Middle East. It is a common resident species inhabiting a variety of wetland habitats such as ponds, lakes, marshes, rivers, and even urban water bodies³⁶. The global population is estimated at approximately 66,700–667,000 mature individuals (c. 100,000–1,000,000 total individuals), with an overall stable or unknown trend and classified as Least Concern. The species is very common across India, including Karnataka, where it occurs widely in both natural and artificial wetlands. Aggregations are generally localised and modest, often associated with feeding opportunities in seasonal wetlands.	Out

³⁶ [datazone.b...rdlife.org]

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				The Project is unlikely to expand into waterbodies, and the works proposed deal only with the upgradation of existing roads. The species is screened out.	
21.	Ruddy Turnstone (<i>Arenaria interpres</i>) BirdLife International. 2024. <i>Arenaria interpres</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22693336A254413189. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22693336A254413189.en. Accessed on 18 May 2026.	IUCN: Near threatened WPAA, 2023: II Restricted Range: No Migrant: Yes	3 a, b	The Ruddy Turnstone is a highly migratory shorebird that breeds in the Arctic and winters along coastlines across the world, including India. It is commonly seen along beaches, mudflats, and coastal wetlands during the non-breeding season³⁷. Globally, the species has a fairly large population (around 750,000–1.75 million mature individuals), although it is declining and listed as Near Threatened. In India and Karnataka, it appears as a winter visitor along coastal and estuarine habitats. While it may gather in small flocks at good feeding sites, these groups are scattered across many coastal areas rather than concentrated in one place. Because of this spread-out distribution along coastlines, the species has been screened out.	Out

³⁷ [datazone.b...rdlife.org], [animaldiversity.org]

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
22.	Common Pochard (<i>Aythya ferina</i>) BirdLife International. 2021. <i>Aythya ferina</i>. <i>The IUCN Red List of Threatened Species</i> 2021: e.T22680358A205288455. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22680358A205288455.en. Accessed on 18 May 2026.	IUCN: Vulnerable WPAA, 2023: I Restricted Range: No Migrant: Yes	3 a, b	The Common Pochard is a migratory diving duck that breeds in Europe and Central Asia and winters across South Asia, including India. It typically occurs in large freshwater wetlands such as lakes, reservoirs, and marshes³⁸. Globally, the species has a population of around 760,000–790,000 mature individuals and is currently classified as Vulnerable due to significant declines. During winter, the species can form large flocks at major wetlands, but the most significant concentrations are known from regions such as Central Asia, the Middle East, and parts of Europe³⁹. In Karnataka, it occurs only as a winter visitor and is generally restricted to a few large wetlands, where it may be seen in moderate numbers. These occurrences are localised and not widely distributed across the landscape. The Project is unlikely to expand into waterbodies, and the works proposed deal only with the upgradation of existing roads. The species is screened out.	Out

³⁸ [datazone.birdlife.org], [animalia.bio]

³⁹ [docslib.org]

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
23.	Black-bellied Tern (<i>Sterna acuticauda</i>) BirdLife International. 2023. <i>Sterna acuticauda</i>. <i>The IUCN Red List of Threatened Species</i> 2023: e.T22694711A207933556. https://dx.doi.org/10.2305/IUCN.UK.2023-2.RLTS.T22694711A207933556.en. Accessed on 18 May 2026.	IUCN: Endangere d WPAA, 2023: Schedule I Restricted Range: No Migrant: No	1 a, c	<i>Sterna acuticauda</i> now has the majority of its range in India where it remains widespread but in decline. It also occurs in Pakistan, Nepal and Bangladesh, and was recently confirmed to persist in Myanmar. It is found on large rivers (usually breeding on sandspits and islands) and marshes, occasionally on smaller pools and ditches, in lowlands. In Karnataka, the species has been recorded only from limited locations, including a recent observation along the Tungabhadra River in Ballari district, indicating a localised and sparse presence. It inhabits large river systems, where it breeds on exposed sandbanks and river islands. It is unlikely for the Project to expand outside the existing RoW or into the waterbodies of importance to the species, thereby the species is screened out.	Out
24.	Lesser Florican (<i>Sypheotides indicus</i>) BirdLife International. 2021. <i>Sypheotides indicus</i>. <i>The IUCN Red List of Threatened Species</i> 2021: e.T22692024A199959007. https://dx.doi.org/10.2305/IUCN.UK.2021-2.RLTS.T22692024A199959007.en	IUCN: Critically Endangere d	1 a, c; 3 a, b	<i>Sypheotides indicus</i> breeds in India in Gujarat, Rajasthan, Maharashtra, Madhya Pradesh and Andhra Pradesh, with some dispersal to south-east India in the non-breeding season. Formerly widespread and common, it has been declining since at least the 1870s.	In

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	K.2021-3.RLTS.T22692024A199959007.en . Accessed on 18 May 2026.	WPAA, 2023: Schedule I Restricted Range: No Migrant: Yes		From 1982-1989, its population declined by nearly 60%. However, by 1994, it had increased by 32% to 2,206 birds. Recent surveys have indicated an extremely rapid reduction that has continued and appears to have accelerated over the past 20 years ⁴⁰ . It has been recorded from multiple locations in Karnataka including Vijayapura and Gadag districts, based on PTT-tagged bird tracking data. These records confirm the occurrence of the species within Karnataka and demonstrate its use of habitats similar to those present within the broader landscape and is thereby screened in.	
25.	Tufted Duck (<i>Aythya fuligula</i>) BirdLife International. 2025. <i>Aythya fuligula</i> . <i>The IUCN Red List of Threatened Species</i> 2025: e.T22680391A154567456. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22680391A154567456.en . Accessed on 18 May 2026.	IUCN: Least concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Tufted Duck is a migratory diving duck that winters in India and is found mainly in wetlands such as lakes, reservoirs, and marshes ⁴¹ . It is more commonly seen in northern and eastern parts of India, and its presence in southern India, including Karnataka, is limited and relatively uncommon ⁴² . Although the species can form flocks in suitable habitats, these are generally restricted to specific	Out

⁴⁰ BirdLife International. 2021. *Sypheotides indicus*. *The IUCN Red List of Threatened Species* 2021: e.T22692024A199959007. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22692024A199959007.en>. Accessed on 10 November 2025.

⁴¹ [datazone.birdlife.org], [ebird.org]

⁴² [birding.in]

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				wetlands and are not widespread or particularly large within the state. Because it occurs only in small, scattered numbers in Karnataka, it does not form any notable concentration in the region. Therefore, this species is screened out.	
26.	Ferruginous Duck (<i>Aythya nyroca</i>) BirdLife International. 2019. <i>Aythya nyroca</i> . <i>The IUCN Red List of Threatened Species</i> 2019: e.T22680373A152620862. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22680373A152620862.en . Accessed on 18 May 2026.	IUCN: Near threatened WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Ferruginous Duck is a migratory diving duck that occurs in India during winter and prefers shallow freshwater wetlands with dense vegetation. Although it can form flocks, the species is generally uncommon and patchily distributed in India, including Karnataka, and is usually found in specific wetlands rather than widely across the landscape ⁴³ . Its numbers are relatively low and scattered and it does not form very large or consistent congregations within the state. Because of this limited and localised presence, it does not represent a significant concentration in Karnataka. Therefore, this species is screened out.	Out

⁴³ [\[birdsofindia.org\]](https://birdsofindia.org/)

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
27.	Cinnamon Bittern (<i>Ixobrychus cinnamomeus</i>) BirdLife International. 2024. <i>Ixobrychus cinnamomeus</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22697323A265014467. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22697323A265014467.en. Accessed on 18 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule I Restricted Range: No Migrant: Yes	3 a, b	The Cinnamon Bittern is a small wetland bird found across much of Asia, including India, where it lives in marshes, reed beds, and paddy fields⁴⁴. It is usually solitary and well-hidden in dense vegetation, and unlike many larger waterbirds, it does not form large flocks or visible congregations⁴⁵. Although it is fairly widespread, its populations are scattered and inconspicuous, with individuals spread across many small wetland habitats rather than gathering in large numbers at specific sites. Because of this highly dispersed and secretive nature, it does not form any notable congregations in Karnataka. Therefore, this species is screened out.	Out
28.	Sociable Lapwing (<i>Vanellus gregarius</i>) BirdLife International. 2019. <i>Vanellus gregarius</i> (amended version of 2018 assessment). <i>The IUCN Red List of Threatened Species</i> 2019: e.T22694053A155545788. https://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T22694053A155545788.en.	IUCN: Critically Endangere d WPAA, 2023: Schedule I	1 a, c; 3 a, b	The species breeds in northern and central Kazakhstan and south-central Russia and, at least formerly, Xinjiang province, western PRC, dispersing through Kyrgyzstan, Tajikistan, Uzbekistan, Turkmenistan, Afghanistan, Armenia, Georgia, Azerbaijan, Iran, Iraq, Saudi	Out

⁴⁴ [datazone.birdlife.org], [ebird.org]

⁴⁵ [indiabiodiversity.org]

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	K.2019-3.RLTS.T22694053A155545788.en . Accessed on 18 May 2026.	Restricted Range: No Migrant: Yes		Arabia, Syria, Turkey and Egypt, to key wintering sites in Sudan, Pakistan and northwest India. The species winters primarily in north-western India, particularly in Gujarat and Rajasthan, with only rare and sporadic records from peninsular India. Although suitable open habitats such as dry agricultural plains occur in parts of Karnataka, available occurrence data does not indicate regular presence of the species in these habitats. Therefore, this species is screened out.	
29.	Jungle Myna (<i>Acridotheres fuscus</i>) BirdLife International. 2024. <i>Acridotheres fuscus</i> . <i>The IUCN Red List of Threatened Species</i> 2024: e.T22710932A264243973. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22710932A264243973.en . Accessed on 18 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	The species breeds widely across the Indian subcontinent, from Pakistan through India, Nepal, Bhutan and Bangladesh, and east through Myanmar to western Thailand, occurring primarily in lowland and foothill regions but largely absent from arid zones; it is largely resident throughout this range with only local movements, and has been introduced to parts of Southeast Asia and the Pacific, including Malaysia, Fiji, Samoa, Tonga and other islands,	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				where populations are now established⁴⁶. It is a common and widespread resident in Karnataka, occurring across agricultural lands, settlements, plantations, and forest edges, and is highly adaptable to human-modified environments. Although the species is likely to occur along several project road alignments, it is not conservation-dependent and does not rely on critical or sensitive habitats. Given its widespread distribution, large population, and adaptability to disturbed environments, this species is screened out.	
30.	Common Myna (<i>Acridotheres tristis</i>) BirdLife International. 2025. <i>Acridotheres tristis</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22710921A137492530. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22710921A137492530.en. Accessed on 18 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	The species breeds widely across southern and central Asia, from eastern Iran and Afghanistan through Pakistan, India, Nepal and Sri Lanka to Bangladesh, extending north into parts of Central Asia and east through southern PRC to the Malay Peninsula; it is largely resident throughout this native range, with only limited local movements, and has been widely introduced beyond it, becoming established across the Middle East, Africa, Australia, New Zealand and numerous oceanic islands including	Out

⁴⁶ BirdLife International. 2024. *Acridotheres fuscus*. The IUCN Red List of Threatened Species 2024: e.T22710932A264243973. <https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22710932A264243973.en>. Accessed on 18 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				Fiji, Hawaii and other Pacific archipelagos⁴⁷. The species occurs predominantly in human-modified landscapes such as urban areas, agricultural lands, and rural settlements. The species is highly adaptable and frequently associated with roadside habitats. Although, it is likely to be present along many project alignments, it is not conservation-dependent and does not rely on critical or sensitive habitats. Therefore, this species is screened out.	
31.	Black Bittern (<i>Ixobrychus flavicollis</i>) BirdLife International. 2024. <i>Ixobrychus flavicollis</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22697334A265013707. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22697334A265013707.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Black Bittern is a wetland bird found across much of Asia, including India, where it lives in marshes, reed beds, and vegetated water bodies⁴⁸. It is typically solitary and highly secretive, spending most of its time hidden in dense vegetation. Unlike ducks or shorebirds, it rarely gathers in flocks and is usually seen alone or in very small numbers⁴⁹. Although it is widespread, its population is scattered across many	Out

⁴⁷ BirdLife International. 2025. *Acridotheres tristis*. The IUCN Red List of Threatened Species 2025: e.T22710921A137492530. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22710921A137492530.en>. Accessed on 18 May 2026.

⁴⁸ [datazone.b...rdlife.org], [ebird.org]

⁴⁹ [simplybirding.com]

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				wetlands and does not form large or visible groups at specific locations. Because of this dispersed and low-density occurrence, it does not form any notable congregations in Karnataka. Therefore, this species is screened out.	
32.	Little Bittern (<i>Ixobrychus minutus</i>) BirdLife International. 2019. <i>Ixobrychus minutus</i> (amended version of 2018 assessment). <i>The IUCN Red List of Threatened Species</i> 2019: e.T22735766A155511258. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22735766A155511258.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Little Bittern is a small wetland bird found across parts of Europe, Africa, and Asia, including India, where it inhabits marshes, reed beds, and vegetated wetlands⁵⁰. In India, it is generally uncommon and patchily distributed, with only occasional records from places like Karnataka⁵¹. Like other bitterns, it is solitary and secretive, usually remaining hidden within dense vegetation and rarely forming flocks or visible gatherings⁵². Because it occurs in very low numbers and scattered locations, it does not form any notable congregations in the state.	Out

⁵⁰ [datazone.birdlife.org], [animalia.bio]

⁵¹ [birdsofindia.org]

⁵² [earthlife.net]

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				Therefore, this species is screened out.	
33.	Yellow Bittern (<i>Ixobrychus sinensis</i>) BirdLife International. 2024. <i>Ixobrychus sinensis</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22697303A264977012. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22697303A264977012.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Yellow Bittern is a small wetland bird widely distributed across Asia, including India, where it occurs in marshes, reed beds, and paddy fields⁵³. It is typically solitary and secretive, spending most of its time hidden in dense vegetation. While it is fairly widespread, it is not usually seen in large groups and is often recorded as scattered individuals across many wetlands⁵⁴. Although present in Karnataka, its occurrences are patchy and low in number, and it does not form large or noticeable congregations at specific sites⁵⁵. Because of this scattered and low-density presence, it does not represent any significant congregations in the state. Therefore, this species is screened out	Out

⁵³ [[datazone.birdlife.org](#)], [[earthlife.net](#)]

⁵⁴ [[simplybirding.com](#)]

⁵⁵ [[birdsofindia.org](#)]

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
34.	Eurasian Bittern (<i>Botaurus stellaris</i>) BirdLife International. 2025. <i>Botaurus stellaris</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22697346A281837651. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22697346A281837651.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Eurasian Bittern is a large but highly secretive wetland bird found across Europe and Asia, and occurs in India mainly as a winter visitor. It is closely associated with extensive reed beds and marshes, where it remains well hidden⁵⁶. In India, its occurrence is mainly limited to northern and northeastern regions, with very few records further south⁵⁷. Like other bitterns, it is solitary and elusive, rarely seen in groups and typically present as isolated individuals within dense wetland vegetation. Because of its rare and highly localised presence, especially in southern India including Karnataka, it does not form any significant or noticeable congregations in the state. Therefore, this species is screened out.	Out
35.	Jouanin's Petrel (<i>Bulweria fallax</i>) BirdLife International. 2018. <i>Bulweria fallax</i>. <i>The IUCN Red List of Threatened Species</i> 2018:	IUCN: Near threatened	3 a, b	Jouanin's Petrel is a pelagic seabird found mainly in the northwestern Indian Ocean and Arabian Sea, where it spends most of its life far offshore ⁵⁸ .	Out

⁵⁶ [datazone.b...rdlife.org], [in-focus.info]

⁵⁷ [indiabiodi...ersity.org]

⁵⁸ [datazone.b...rdlife.org], [indianbird...nature.com]

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	e.T22698136A132628433. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22698136A132628433.en . Accessed on 19 May 2026.	WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes		Although it can occur in waters off the west coast of India, it is typically seen far out at sea and is not associated with coastal or inland habitats. Its breeding is restricted to a few remote islands such as Socotra and nearby regions. Even where it is relatively common offshore, the birds are spread over large ocean areas, and there are no known important aggregation sites along the Karnataka coast. Because of this offshore, widely dispersed occurrence, it is unlikely to be relevant to land-based activities in the state and does not represent any significant concentration locally. Therefore, this species is screened out.	
36.	Common Sandpiper (<i>Actitis hypoleucos</i>) BirdLife International. 2025. <i>Actitis hypoleucos</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693264A281834262. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693264A281834262.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The species is a winter migrant to India. In its winter range this species inhabits a wide variety of habitats, such as small pools, ditches, riverbanks, streams, dam shores, marshy areas, estuaries, freshwater seeps on coastal shores, tidal creeks in mangrove swamps and saltmarshes, harbours, docks and filtration tanks of sewage works. It will also forage on grassland along roadsides and occasionally in gardens,	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				but it generally avoids large coastal mudflats. While the species is likely to occur at some waterbody crossings along the project alignments, most road segments pass through non-aquatic habitats where the species is absent. It is unlikely for the Project to expand outside the existing RoW or into the waterbodies of importance to the species, thereby the species is screened out.	
37.	Sanderling (<i>Calidris alba</i>) BirdLife International. 2024. <i>Calidris alba</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22693369A154671400. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22693369A154671400.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Sanderling is a small migratory shorebird that breeds in the Arctic and winters along coastlines across the world, including India. It is typically found on sandy beaches and coastal shorelines, where it feeds along the water's edge⁵⁹. During winter, it can form flocks along beaches, but these groups are usually spread out across long stretches of coastline rather than concentrated at a few specific sites. In Karnataka, the species occurs mainly along the coast as a winter visitor, and its presence is limited to coastal habitats rather than widely distributed inland.	Out

⁵⁹ [\[animaldiversity.org\]](https://animaldiversity.org/)

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				Therefore, this species is screened out.	
38.	Dunlin (<i>Calidris alpina</i>) BirdLife International. 2024. <i>Calidris alpina</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22693427A255846610. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22693427A255846610.en. Accessed on 19 May 2026.	IUCN: Near Threatened WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Dunlin is a migratory shorebird that breeds in the Arctic and winters along coastlines and wetlands across the world, including India. It is usually found in coastal mudflats, estuaries, and sandy beaches, where it feeds in shallow water⁶⁰. During winter, it can form large flocks in suitable habitats, but these flocks are typically spread across many coastal and wetland areas rather than concentrated at a few locations⁶¹. In Karnataka, it occurs as a winter visitor mainly along coastal habitats, with scattered records and moderate numbers rather than large, consistent gatherings⁶². Because its presence is spread out across different sites and not concentrated in one place, it does not form any notable congregations in the state. Therefore, this species is screened out.	Out

⁶⁰ [\[animaldiversity.org\]](https://animaldiversity.org/)

⁶¹ [\[allaboutbirds.org\]](https://allaboutbirds.org/)

⁶² [\[birdsofindia.org\]](https://birdsofindia.org/)

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
39.	Broad-billed Sandpiper (<i>Calidris falcinellus</i>) BirdLife International. 2024. <i>Calidris falcinellus</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22693464A257323525. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22693464A257323525.en. Accessed on 19 May 2026.	IUCN: Vulnerable WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Broad-billed Sandpiper is a migratory shorebird that breeds in northern Europe and Asia and winters across South Asia, including India. It is typically found in coastal mudflats, estuaries, and shallow wetlands⁶³. Although it may join flocks with other waders during migration and winter, the species is generally uncommon and occurs in relatively low numbers compared to more abundant shorebirds. In India, including Karnataka, it is patchily distributed and usually seen in small groups, rather than forming large, dense flocks at specific sites. Because of its low numbers and scattered occurrence, it does not form any notable congregations within the state. Therefore, this species is screened out.	Out
40.	Red Avadavat (<i>Amandava amandava</i>) BirdLife International. 2024. <i>Amandava amandava</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22719614A263861023. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22719614A263861023.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II		The species breeds across the Indian subcontinent from Pakistan to Bangladesh, extending east through Myanmar, southern PRC and mainland Southeast Asia to Indonesia; it is largely resident with local movements, and has been introduced to parts of East Asia, Europe, and various Pacific	Out

⁶³ [datazone.birdlife.org], [ebird.org]

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
		Restricted Range: No Migrant: No		and American regions where populations are established ⁶⁴ . The species is well adapted to human-modified landscapes and is frequently associated with roadside vegetation and rural habitats. However, since the Project is restricted to the improvement of existing roads and no expansion into additional habitats is planned, the species is screened out.	
41.	Curlew Sandpiper (<i>Calidris ferruginea</i>) BirdLife International. 2024. <i>Calidris ferruginea</i> . <i>The IUCN Red List of Threatened Species</i> 2024: e.T22693431A180593985. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22693431A180593985.en . Accessed on 19 May 2026.	IUCN: Vulnerable WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	The Curlew Sandpiper is a long-distance migratory shorebird that breeds in Arctic Siberia and winters across coastal regions of Africa and South Asia, including India. It is mainly found in coastal mudflats, estuaries, and wetlands ⁶⁵ . During the winter season, the species can form large flocks in suitable habitats, often feeding together on tidal mudflats and shallow wetlands ⁶⁶ . However, these flocks are generally distributed across multiple coastal and wetland sites rather than being concentrated in a single location. In Karnataka, it occurs mainly along coastal and estuarine habitats, with	Out

⁶⁴ BirdLife International. 2024. *Amandava amandava*. The IUCN Red List of Threatened Species 2024: e.T22719614A263861023. <https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22719614A263861023.en>. Accessed on 19 May 2026.

⁶⁵ [datazone.birdlife.org], [simplybirding.com]

⁶⁶ [allaboutbirds.org]

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				numbers spread across different areas rather than forming a single major aggregation. Because its presence is spread out across various sites and not concentrated at one key location, it does not form notable congregations within the state. Therefore, this species is screened out.	
42.	White-breasted Waterhen (<i>Amauornis phoenicurus</i>) BirdLife International. 2024. <i>Amauornis phoenicurus</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22692640A264986925. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22692640A264986925.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	The species breeds widely across tropical Asia, from Pakistan, northern and eastern India, Nepal, Sri Lanka and the Maldives eastward through Myanmar, southern PRC, mainland Southeast Asia and the Philippines to the Lesser Sundas and northern Indonesia; it is largely resident with short-distance movements and occasional local dispersal⁶⁷. It is unlikely for the Project to expand outside the existing RoW or into the waterbodies of importance to the species, thereby the species is screened out.	Out
43.	Little Stint (<i>Calidris minuta</i>)	IUCN: Least Concern	3 a, b	The Little Stint is a small migratory shorebird that breeds in the Arctic and winters widely across Africa and South Asia, including India. It is commonly	Out

⁶⁷ BirdLife International. 2024. *Amauornis phoenicurus*. *The IUCN Red List of Threatened Species* 2024: e.T22692640A264986925. <https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22692640A264986925.en>. Accessed on 19 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	BirdLife International. 2019. <i>Calidris minuta</i> . <i>The IUCN Red List of Threatened Species</i> 2019: e.T22693379A138406063. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22693379A138406063.en . Accessed on 19 May 2026.	WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes		found in coastal mudflats, wetlands, and shallow water bodies during the non-breeding season ⁶⁸ . It often occurs in flocks, sometimes mixed with other waders, but these are usually spread across many wetlands rather than concentrated in a single location. In Karnataka, it is a regular winter visitor but is generally seen in small to moderate numbers at scattered sites, especially along the coast and in inland wetlands. Because its populations are widely dispersed across multiple habitats and not concentrated at a few key sites, it does not form any notable congregations within the state. Therefore, this species is screened out.	
44.	Kentish Plover (<i>Anarhynchus alexandrinus</i>) BirdLife International. 2025. <i>Charadrius alexandrinus</i> . <i>The IUCN Red List of Threatened Species</i> 2025: e.T22727487A280894711. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22727487A280894711.en . Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No	3 a, b	The species is a resident in the parts of the country. Typical habitats include sandy, pebbly or muddy shores, dunes, coastal lagoons, coastal marshes, tropical shores of coral limestone, estuaries and tidal mudflats. It is uncommon on freshwater, even when migrating, but frequently occurs on inland habitats not far from the	Out

⁶⁸ [\[birdsofindia.org\]](https://birdsofindia.org/)

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
		Migrant: Yes		coast such as seasonal watercourses, open flats near brackish or saline lakes, salt pans, salty steppes with scattered grasses, sandy deserts, pebbly or muddy plains, gravel pits, and less frequently sandy riverbanks, sandy pond margins and barren reservoir shores ⁶⁹ . The Project roads do not occur in the habitats mentioned above, and the species is screened out.	
45.	<i>Anarhynchus atrifrons</i> BirdLife International. 2023. <i>Charadrius atrifrons</i> . <i>The IUCN Red List of Threatened Species</i> 2023: e.T230026276A154673176. https://dx.doi.org/10.2305/IUCN.UK.2023-1.RLTS.T230026276A154673176.en . Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The species breeds from eastern Tajikistan to central PRC, south to the foothills of the northern Himalaya, with some ostensibly outlying breeding areas in north-west India and eastern Afghanistan. It then migrates on a broad front, with <i>pamirensis</i> wintering along the east and south coasts of Africa through to the Middle East and probably the west coast of India; subspecies <i>atrifrons</i> moves directly south from its central breeding areas to winter from the Indian Subcontinent to Sumatra, Indonesia ⁷⁰ . Most project roads the project roads are predominantly located in inland agricultural, forest, and settlement landscapes, overlap with suitable	Out

⁶⁹ BirdLife International. 2025. *Charadrius alexandrinus*. *The IUCN Red List of Threatened Species* 2025: e.T22727487A280894711. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22727487A280894711.en>. Accessed on 19 May 2026.

⁷⁰ BirdLife International. 2023. *Charadrius atrifrons*. *The IUCN Red List of Threatened Species* 2023: e.T230026276A154673176. <https://dx.doi.org/10.2305/IUCN.UK.2023-1.RLTS.T230026276A154673176.en>. Accessed on 19 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				coastal habitats is minimal. The species is thereby screened out.	
46.	Greater Sand-Plover (<i>Anarhynchus leschenaultii</i>) BirdLife International. 2019. <i>Charadrius leschenaultii</i>. The IUCN Red List of Threatened Species 2019: e.T22693862A153879900. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22693862A153879900.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The species breeds in arid and semi-desert regions from Turkey and the Caucasus across Central Asia to north-west PRC, migrating through the Middle East and South Asia, and winters along coastal habitats from East Africa and the Red Sea east through the Indian subcontinent to Southeast Asia and northern Australia⁷¹. The species' non-breeding distribution in the region is primarily coastal, with inland occurrences being rare and irregular. As the project is largely located in inland districts and overlap with coastal or estuarine environments is low, the species is screened out.	Out
47.	Ruff (<i>Calidris pugnax</i>) BirdLife International. 2025. <i>Calidris pugnax</i>. The IUCN Red List of Threatened Species 2025: e.T22693468A281468100. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693468A281468100.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No	3 a, b	The Ruff is a migratory shorebird that breeds in northern Eurasia and winters across Africa and South Asia, including India. It uses a variety of habitats such as wetlands, marshes, agricultural fields, and coastal areas during migration and winter⁷².	Out

⁷¹ BirdLife International. 2019. *Charadrius leschenaultii*. The IUCN Red List of Threatened Species 2019: e.T22693862A153879900. <https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22693862A153879900.en>. Accessed on 19 May 2026.

⁷² [\[ebird.org\]](https://ebird.org)

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
		Migrant: Yes		The species is known to be highly gregarious and can form large flocks, especially in major wintering areas⁷³. However, in India, including Karnataka, it occurs mainly as a scattered winter visitor, with records from different wetlands rather than large, consistent gatherings at a few key sites⁷⁴. Because its presence is spread across multiple habitats and not concentrated in one particular location, it does not represent notable congregations within the state. Therefore, this species is screened out.	
48.	Long-toed Stint (<i>Calidris subminuta</i>) BirdLife International. 2024. <i>Calidris subminuta</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22693392A264990411. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22693392A264990411.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Long-toed Stint is a small migratory shorebird that breeds in northern Asia and winters across South and Southeast Asia, including parts of India. It typically uses shallow wetlands, flooded fields, marshes, and mudflats during migration and winter⁷⁵. In India, the species is not widespread or abundant, with most records coming from eastern and coastal regions, and only occasional sightings reported	Out

⁷³ [animalia.bio]

⁷⁴ [birdsofindia.org]

⁷⁵ [ebird.org]

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				from southern areas such as Karnataka⁷⁶. It is usually seen as small numbers of individuals or in loose mixed groups with other waders, rather than forming large, dense flocks of its own. It is unlikely for large and significant congregations of the species to occur in Karnataka. Therefore, this species is screened out.	
49.	Temminck's Stint (<i>Calidris temminckii</i>) BirdLife International. 2019. <i>Calidris temminckii</i>. <i>The IUCN Red List of Threatened Species</i> 2019: e.T22693388A146637675. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22693388A146637675.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	Temminck's Stint is a small migratory wader that winters in India and uses freshwater wetlands such as marshes, lake edges, and shallow muddy areas⁷⁷. Unlike many other shorebirds, it is typically seen alone or in small groups, and often keeps to the edges of vegetation rather than gathering in large flocks in open areas⁷⁸. In India, including Karnataka, it appears in low numbers and irregularly across different wetland patches, rather than consistently using a few key sites⁷⁹.	Out

⁷⁶ [\[birding.in\]](#)

⁷⁷ [\[earthlife.net\]](#)

⁷⁸ [\[ebird.org\]](#)

⁷⁹ [\[birdsofindia.org\]](#)

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				It is unlikely for the Project to expand outside the existing RoW or into the waterbodies of importance to the species, thereby the species is screened out.	
50.	Great Knot (<i>Calidris tenuirostris</i>) BirdLife International. 2025. <i>Calidris tenuirostris</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693359A254641184. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693359A254641184.en. Accessed on 19 May 2026.	IUCN: Endangere d WPAA, 2023: Schedule I Restricted Range: No Migrant: Yes	1 a; 3 a, b	The Great Knot is a long-distance migratory shorebird that breeds in northeastern Siberia and winters along coastal regions of South and Southeast Asia, including India. It primarily uses intertidal mudflats, estuaries, and coastal wetlands⁸⁰. Globally, the species is known to form very large flocks, often in the tens of thousands, but these are concentrated at a few key staging and wintering sites, particularly along the East Asian–Australasian Flyway (e.g., Yellow Sea region)⁸¹. In the Indian context, its occurrence is limited and irregular, with only occasional sightings reported along parts of the coast (e.g., Kerala and Gujarat), typically involving small groups or scattered individuals rather than large flocks⁸². Given this pattern, the Karnataka coastline does not appear to function	Out

⁸⁰ [Great Knot *Calidris tenuirostris* Species Factsheet | BirdLife DataZone](#)

⁸¹ [Great Knot — CAF Digital Hub](#)

⁸² Prabhu, M. V., Bajar, S., Sankpal, S., Balachandran, S., Khot, R., & Apte, D. (2023). Site Fidelity, Annual Return Rate, Site Switching and Movement of Shorebirds Wintering in Thane Creek, West Coast of India, with Conservation Implications. *Journal of the Bombay Natural History Society (JBNHS)*.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				as a key site for this species, and any use of the area is likely to be incidental or transient. Habitats favourable for the species do not occur along the Project roads. Therefore, this species is screened out.	
51.	Northern Pintail (<i>Anas acuta</i>) BirdLife International. 2019. <i>Anas acuta</i> . <i>The IUCN Red List of Threatened Species</i> 2019: e.T22680301A153882797. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22680301A153882797.en . Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The species is widespread and winters in India and other countries. It inhabits open lowland habitats associated with shallow freshwater, brackish, and saline wetlands, including marshes, lakes, slow-flowing rivers, wet meadows, floodplains, sewage ponds, estuaries, tidal flats, river deltas, and coastal lagoons, often favouring areas with low marginal vegetation and adjacent agricultural land ⁸³ . It is unlikely for the Project to expand outside the existing RoW or into the waterbodies of importance to the species, thereby the species is screened out.	Out
52.	Streaked Shearwater (<i>Calonectris leucomelas</i>) BirdLife International. 2018. <i>Calonectris leucomelas</i> . <i>The IUCN Red List of Threatened Species</i> 2018: e.T22698172A132630766. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22698172A132630766.en . Accessed on 19 May 2026.	IUCN: Near Threatened WPAA, 2023: Schedule II	3 a, b	The Streaked Shearwater is a pelagic seabird that breeds on offshore islands in the western Pacific and migrates widely across oceanic waters, including parts of the Indian Ocean during the non-breeding season ⁸⁴ .	Out

⁸³ BirdLife International. 2019. *Anas acuta*. *The IUCN Red List of Threatened Species* 2019: e.T22680301A153882797. <https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22680301A153882797.en>. Accessed on 19 May 2026.

⁸⁴ [\[datazone.birdlife.org\]](https://datazone.birdlife.org/)

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	K.2018-2.RLTS.T22698172A132630766.en . Accessed on 19 May 2026.	Restricted Range: No Migrant: Yes		It spends most of its life far out at sea, occasionally appearing closer to shore under certain conditions, but is generally not associated with coastal or inland habitats used by terrestrial projects. Although the species can form large flocks at sea, these occur in open ocean environments linked to feeding activity, not at fixed coastal sites. In Indian waters, including off Karnataka, it is rare and sporadic, often recorded only as individual sightings during pelagic surveys rather than regular occurrences. Given this, there is no realistic pathway for interaction with road alignments, and any presence would be incidental and offshore. Therefore, this species is screened out.	
53.	Common Rosefinch (<i>Carpodacus erythrinus</i>) BirdLife International. 2024. <i>Carpodacus erythrinus</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22720556A264533788. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22720556A264533788.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No	3 a, b	The Common Rosefinch is a widespread migratory passerine that winters across the Indian subcontinent and uses a variety of habitats including scrublands, forest edges, riverine thickets, agricultural areas, and gardens. It has a very large global population (tens of millions) and occurs over a	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
		Migrant: Yes		broad area during the non-breeding season⁸⁵. In India, including Karnataka, the species is typically seen in small flocks or scattered individuals, moving across a wide range of habitats rather than concentrating in specific locations. It does not rely on particular sites or form predictable congregations tied to discrete areas. The proposed Project does not expand into the favourable habitats of the species. Therefore, this species is screened out.	
54.	Mallard (<i>Anas platyrhynchos</i>) BirdLife International. 2025. <i>Anas platyrhynchos</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22680186A281835571. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22680186A281835571.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The widely distributed species winters in parts of India amongst other countries. The species occurs in almost every wetland type although it generally avoids fast-flowing, oligotrophic, deep, exposed, rough, rockbound waters and hard unvegetated areas such as rocky ground, sand dunes and artificial surfacing. Habitats commonly frequented include flooded swampy woodlands, seasonal floodlands, wet grassy swamps and meadows, oxbow lakes, open waters with mudflats,	Out

⁸⁵ [datazone.b...rdlife.org]

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				banks or spits, irrigation networks, reservoirs, ornamental waters, canals and sewage farms. During the winter the species may also be found in saline habitats along the coast where water is shallow, sheltered and within site of land ⁸⁶ . The project is predominantly located in terrestrial agricultural, forest, and settlement landscapes, and does not involve wetland habitats except at localised crossings, spatial overlap with habitats used by the species is unlikely. Therefore, this species is screened out.	
55.	Indian Spot-billed Duck (<i>Anas poecilorhyncha</i>) BirdLife International. 2025. <i>Anas poecilorhyncha</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22736541A280979361. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22736541A280979361.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	The species is widely distributed across South and Southeast Asia, occurring from Pakistan and India east through Nepal, Bangladesh and Sri Lanka to Myanmar, and southern PRC. It is largely resident, with local movements linked to water availability. It shows a preference for lowland freshwater wetlands, including marshes, lakes, floodplains, irrigation tanks and slow-flowing rivers, typically favouring shallow water with emergent vegetation for feeding and nesting. It also uses artificial habitats such as rice paddies and sewage ponds, and	Out

⁸⁶ BirdLife International. 2025. *Anas platyrhynchos*. *The IUCN Red List of Threatened Species* 2025: e.T22680186A281835571. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22680186A281835571.en>. Accessed on 19 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				occasionally occurs in brackish environments such as coastal lagoons and estuaries ⁸⁷ . The project predominantly traverses terrestrial agricultural, forest, and settlement landscapes, and does not involve overlap with wetland ecosystems; spatial overlap with habitats used by the species is unlikely. Thereby the species is screened out.	
56.	Baillon's Crake (<i>Zapornia pusilla</i>) BirdLife International. 2019. <i>Zapornia pusilla</i> . <i>The IUCN Red List of Threatened Species</i> 2019: e.T22692667A154256374. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22692667A154256374.en . Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The species occurs across the Indian subcontinent as a winter visitor and passage migrant, with records from northern, central and peninsular India where it occupies both seasonal and permanent wetlands during the non-breeding period. Its occurrence in India is associated with southward migration from temperate breeding populations, followed by local dispersal among suitable habitats. ⁸⁸ . The project traverses terrestrial agricultural, forest, and settlement landscapes, and does not involve significant marsh or densely vegetated wetland habitats; spatial overlap with suitable habitat for the species is unlikely. Therefore, this species is screened out.	Out

⁸⁷ BirdLife International. 2025. *Anas poecilorhyncha*. *The IUCN Red List of Threatened Species* 2025: e.T22736541A280979361. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22736541A280979361.en>. Accessed on 19 May 2026.

⁸⁸ BirdLife International. 2019. *Zapornia pusilla*. *The IUCN Red List of Threatened Species* 2019: e.T22692667A154256374. <https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22692667A154256374.en>. Accessed on 19 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
57.	Ruddy-breasted Crake (<i>Zapornia fusca</i>) BirdLife International. 2024. <i>Zapornia fusca</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22692699A264974063. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22692699A264974063.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The species is widely distributed across the Indian subcontinent, where it occurs as a resident and local migrant across a broad range of regions including the Himalaya, north-east India and parts of peninsular India. Its distribution within India is described as widespread but often patchy, with populations associated closely with suitable wetland habitats⁸⁹. The project traverses terrestrial agricultural, forest, and settlement landscapes, and does not involve marsh or densely vegetated wetland habitats; spatial overlap with suitable habitat for the species is unlikely. Therefore, this species is screened out.	Out
58.	Brown Crake (<i>Zapornia akool</i>) BirdLife International. 2024. <i>Zapornia akool</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22692612A264992078. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22692612A264992078.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No	3 a, b	The species occurs in the Indian subcontinent, with India listed among its native range countries along with Pakistan, Nepal, Myanmar and adjacent parts of South and Southeast Asia. Within India, it forms part of this wider South Asian distribution, where the species is recorded as extant across the country as part of its continuous regional range⁹⁰. As the	Out

⁸⁹ BirdLife International. 2024. *Zapornia fusca*. *The IUCN Red List of Threatened Species* 2024: e.T22692699A264974063. <https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22692699A264974063.en>. Accessed on 19 May 2026.

⁹⁰ BirdLife International. 2024. *Zapornia akool*. *The IUCN Red List of Threatened Species* 2024: e.T22692612A264992078. <https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22692612A264992078.en>. Accessed on 19 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
		Migrant: Yes		project is primarily located in terrestrial landscapes and does not involve marsh habitats, overlap with suitable habitat is unlikely. Therefore, this species is screened out.	
59.	Terek Sandpiper (<i>Xenus cinereus</i>) BirdLife International. 2025. <i>Xenus cinereus</i> . <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693251A281870102. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693251A281870102.en . Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The species occurs widely across the Old World as a migratory wader, with India listed among the countries within its non-breeding and passage range. Within India, it forms part of this extensive migratory distribution, where the species is recorded as present during the non-breeding season and on passage as part of its broader Afro-Eurasian range ⁹¹ . The road alignments are predominantly located in agricultural and modified landscapes, with wetland features occurring only as small, discontinuous patches and no continuous mudflat or estuarine habitats present. Accordingly, overlap with suitable habitat is unlikely. Therefore, this species is screened out.	Out

⁹¹ BirdLife International. 2025. *Xenus cinereus*. *The IUCN Red List of Threatened Species* 2025: e.T22693251A281870102. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693251A281870102.en>. Accessed on 19 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
60.	Yellow-wattled Lapwing (<i>Vanellus malabaricus</i>) BirdLife International. 2025. <i>Vanellus malabaricus</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693959A280953207. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693959A280953207.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No		The species occurs in the Indian subcontinent, with India listed among its native resident range along with Pakistan, Nepal, Bangladesh and Sri Lanka. Within India, it forms part of this regional distribution, where the species is recorded as a resident across the country as part of its broader South Asian range⁹². The species may occur locally along some project roads; it is not dependent on specialized or sensitive habitats and is well adapted to human-modified environments. However, the species is unlikely to form significant congregations within the state. Therefore, this species is screened out.	Out
61.	Red-wattled Lapwing (<i>Vanellus indicus</i>) BirdLife International. 2025. <i>Vanellus indicus</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22694013A280974665. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22694013A280974665.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No		<i>Vanellus indicus</i> exhibits a broad, continuous distribution across West, South, and Southeast Asia, with its core population in the Indian subcontinent. Its spatial distribution is shaped by environmental factors such as water availability, open habitats, and land use, resulting in a pattern of widespread occurrence but locally variable abundance. The presence of distinct subspecies across regions further indicates structured geographic	Out

⁹² BirdLife International. 2025. *Vanellus malabaricus*. *The IUCN Red List of Threatened Species* 2025: e.T22693959A280953207. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693959A280953207.en>. Accessed on 19 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				variation within its range ⁹³⁹⁴ . The species is unlikely to occur in significant congregations at one site. Therefore, this species is screened out.	
62.	Common Ringed Plover (<i>Charadrius hiaticula</i>) BirdLife International. 2025. <i>Charadrius hiaticula</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693759A281003741. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693759A281003741.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Common Ringed Plover is a migratory shorebird that breeds in the Arctic and subarctic regions and winters along coastal mudflats, sandy beaches, and estuaries across South Asia, including India. Although it may occur in small groups along suitable coastal habitats, its presence in India is generally scattered and low in number, especially along the western coast. In Karnataka, it is an uncommon winter visitor, recorded mainly from coastal areas rather than inland habitats. The species typically uses short stretches of shoreline opportunistically, moving with tides and seasonal conditions rather than depending on fixed, high-use sites. From a project perspective, any interaction would be limited to occasional individuals along coastal	Out

⁹³ Terang, L., Chetry, V., Kataki, A. S., Bhuyan, A., & Sarma, K. (2026).

Spatial analysis and niche overlap of two lapwing (Genus: *Vanellus*) species in the confluence of two biodiversity hotspots in South Asia. *Biologia Futura*, 77, 165–174. <https://doi.org/10.1007/s42977-025-00296-w>

⁹⁴ BirdLife International. 2025. *Vanellus malabaricus*. *The IUCN Red List of Threatened Species* 2025: e.T22693959A280953207. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693959A280953207.en>. Accessed on 19 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				stretches, with no evidence of consistent or important use of specific locations that could be significantly affected. Therefore, this species is screened out.	
63.	Whiskered Tern (<i>Chlidonias hybrida</i>) BirdLife International. 2025. <i>Chlidonias hybrida</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22694764A154303423. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22694764A154303423.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Whiskered Tern is a migratory waterbird that occurs widely across India, including Karnataka, where it is commonly found in lakes, reservoirs, marshes, and other freshwater wetlands during the non-breeding season. It is often seen foraging in flocks over water, and at suitable wetlands it can gather in moderate numbers. However, these birds are highly mobile, shifting between water bodies based on water levels and food availability rather than staying tied to a few fixed sites. In Karnataka, the species is widely distributed across many wetlands rather than concentrated in a single important location, and the flocks observed are typically part of a broader, dispersed population using multiple habitats. It is unlikely for the Project to expand outside the existing RoW or into the waterbodies of importance to the species, thereby the species is	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				screened out. Therefore, this species is screened out.	
64.	White-winged Tern (<i>Chlidonias leucopterus</i>) BirdLife International. 2025. <i>Chlidonias leucopterus</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22694782A280933820. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22694782A280933820.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The White-winged Tern is a migratory waterbird that occurs across India during the non-breeding season, using wetlands such as lakes, reservoirs, marshes, and flooded fields. It is typically seen feeding in flocks over water, sometimes in fairly large numbers, especially where food is abundant. However, these flocks are fluid and highly mobile, shifting frequently between wetlands depending on water levels and prey availability. In Karnataka, the species is distributed across multiple water bodies rather than relying on a few specific sites, and its presence varies seasonally and locally. It does not show consistent use of any one location at a scale that would indicate particular ecological importance. It is unlikely for the Project to expand outside the existing RoW or into the waterbodies of importance to the species, thereby the species is screened out.	Out
65.	Black Tern (<i>Chlidonias niger</i>)	IUCN: Least Concern	3 a, b	The Black Tern is a migratory waterbird that visits India during the non-breeding season and is typically	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	BirdLife International. 2019. <i>Chlidonias niger</i> (amended version of 2018 assessment). <i>The IUCN Red List of Threatened Species</i> 2019: e.T22694787A155491450. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694787A155491450.en . Accessed on 19 May 2026.	WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes		associated with wetlands such as lakes, marshes, reservoirs, and occasionally coastal areas. It is often seen feeding in flocks over open water, sometimes alongside other tern and wader species. However, these flocks are highly mobile and change locations frequently, depending on water conditions and food availability. In Karnataka, the species occurs as a seasonal visitor in scattered wetlands, with numbers varying from site to site and year to year. It does not consistently depend on a few specific wetlands that would stand out as particularly important. It is unlikely for the Project to expand outside the existing RoW or into the waterbodies of importance to the species, thereby the species is screened out.	
66.	Brown-headed Gull (<i>Larus brunnicephalus</i>) BirdLife International. 2018. <i>Larus brunnicephalus</i>. <i>The IUCN Red List of Threatened Species</i> 2018: e.T22694384A132547071. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694384A132547071.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No	3 a, b	The Brown-headed Gull is a migratory species that winters widely across the Indian subcontinent and is commonly found in large lakes, reservoirs, rivers, coastal areas, and even urban water bodies. It is often seen in flocks, sometimes in large numbers, especially at major wetlands and feeding sites. However, these aggregations are typically linked	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
		Migrant: Yes		to food availability and water conditions and can shift frequently between sites. In Karnataka, the species occurs across multiple wetlands and water bodies, including inland reservoirs and coastal areas, rather than being restricted to a few key locations. Its distribution is therefore broad and adaptable, with birds moving between sites rather than depending on a single important area. It is unlikely for the Project to expand outside the existing RoW or into the waterbodies of importance to the species, thereby the species is screened out.	
67.	Slender-billed Gull (<i>Larus genei</i>) BirdLife International. 2019. <i>Larus genei</i>. <i>The IUCN Red List of Threatened Species</i> 2019: e.T22694428A154570382. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22694428A154570382.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Slender-billed Gull is a coastal waterbird that occurs in India mainly along coastal lagoons, estuaries, salt pans, and shallow coastal wetlands. It is typically associated with brackish and marine environments, often feeding in shallow water or along shorelines. The species can be seen in flocks, sometimes fairly large at suitable feeding or roosting sites, but these concentrations are usually confined to specific coastal habitats such as major estuaries and salt pans, and may vary seasonally.	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				Within India, its distribution is more localised compared to common gull species, with stronger presence in areas like Gujarat and parts of the east coast. Along Karnataka, it is less regularly recorded and generally occurs in smaller numbers, without any widely known key congregation sites. It is unlikely for the Project to expand outside the existing RoW or into the waterbodies of importance to the species, thereby the species is screened out.	
68.	Black-headed Gull (<i>Larus ridibundus</i>) BirdLife International. 2018. <i>Larus ridibundus</i>. <i>The IUCN Red List of Threatened Species</i> 2018: e.T22694420A132548687. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694420A132548687.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Black-headed Gull is a widespread migratory species that winters across India, using a variety of habitats including lakes, reservoirs, rivers, coastal areas, and urban water bodies. It frequently occurs in large flocks, especially at major wetlands and feeding sites. However, these flocks are not tied to fixed locations and tend to shift based on food availability, disturbance, and water conditions. In Karnataka, the species is common and widely distributed across multiple water bodies, rather than being concentrated at a few ecologically critical sites. Its use of urban and modified habitats also shows a high level of adaptability.	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				It is unlikely for the Project to expand outside the existing RoW or into the waterbodies of importance to the species, thereby the species is screened out. Therefore, this species is screened out.	
69.	Grey-headed Lapwing (<i>Vanellus cinereus</i>) BirdLife International. 2024. <i>Vanellus cinereus</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22694010A265011262. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22694010A265011262.en. Accessed on 19 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	<i>Vanellus cinereus</i> exhibits a migratory distribution across Asia, breeding primarily in northeastern PRC, Japan, and adjacent regions, and wintering in South and Southeast Asia from northeastern India and Bangladesh. Its distribution is thus spatially discontinuous and seasonally structured, characterized by long-distance migration between temperate breeding grounds and tropical wintering habitats, with localised and irregular occurrence in parts of the Indian subcontinent⁹⁵⁹⁶. Recent records from the state indicate that the species is recorded in small groups rather than forming large congregations. Therefore, this species is screened out.	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
70.	Common Redshank (<i>Tringa totanus</i>) BirdLife International. 2025. <i>Tringa totanus</i> . <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693211A281472318. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693211A281472318.en . Accessed on 20 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The species is a winter visitor to India. On passage the species may frequent inland flooded grasslands and the silty shores of rivers and lakes, but during the winter it is largely coastal, occupying rocky, muddy and sandy beaches, saltmarshes, tidal mudflats, saline and freshwater coastal lagoons, tidal estuaries, saltworks and sewage farms ⁹⁷ . Overlap with suitable habitat is unlikely. It is also unlikely for the Project to expand outside the existing RoW or into the waterbodies of importance to the species, thereby the species is screened out. Therefore, this species is screened out.	Out
71.	Marsh Sandpiper (<i>Tringa stagnatilis</i>) BirdLife International. 2025. <i>Tringa stagnatilis</i> . <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693216A154829987. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693216A154829987.en . Accessed on 20 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The species is a winter migrant to India. Outside of the breeding season the species typically occurs on the margins of inland freshwater and brackish wetlands such as rice paddy-fields, swamps, salt pans, salt marshes, sewage works and marshy lake-edges, and although it is rare on open coastlines it can occasionally be found on estuaries, lagoons and intertidal mudflats ⁹⁸ . Favourable habitats for the species are unlikely to occur along the road RoWs proposed	Out

⁹⁷ BirdLife International. 2025. *Tringa totanus*. *The IUCN Red List of Threatened Species* 2025: e.T22693211A281472318. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693211A281472318.en>. Accessed on 20 May 2026.

⁹⁸ BirdLife International. 2025. *Tringa stagnatilis*. *The IUCN Red List of Threatened Species* 2025: e.T22693216A154829987. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693216A154829987.en>. Accessed on 20 May 2026..

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				for expansions. The species has been thereby screened out.	
72.	Green Sandpiper (<i>Tringa ochropus</i>) BirdLife International. 2025. <i>Tringa ochropus</i> . <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693243A154668391. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693243A154668391.en . Accessed on 20 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The species is a winter migrant to India. Outside of the breeding season this species shows a preference for a wider variety of inland freshwater habitats such as marshes, lake edges, sewage farms, small dams and ponds, ditches, riverbanks and forest streams, often near villages and cultivation. It is also very rarely found in intertidal areas such as creeks and the channels of saltmarshes ⁹⁹ . Suitable habitats are unlikely to occur along the Project RoW. Therefore, the species is thereby screened out.	Out
73.	Common Greenshank (<i>Tringa nebularia</i>) BirdLife International. 2025. <i>Tringa nebularia</i> . <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693220A281868802. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693220A281868802.en . Accessed on 20 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The species is a winter migrant to India. In its wintering grounds this species frequents a variety of freshwater, marine and artificial wetlands, including swamps, open muddy or rocky shores of lakes and large rivers, sewage farms, saltworks, inundated rice fields, ponds, reservoirs, flooded grasslands, salt marshes, sandy or muddy coastal flats, mangroves, estuaries, lagoons and pools on tidal reefs or exposed coral, although it generally avoids	Out

⁹⁹ BirdLife International. 2025. *Tringa ochropus*. *The IUCN Red List of Threatened Species* 2025: e.T22693243A154668391. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693243A154668391.en>. Accessed on 20 May 2026..

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				open coastline. On migration this species occurs on inland flooded meadows, dried-up lakes, sandbars and marshes ¹⁰⁰ . Suitable habitats are unlikely to occur along the Project RoW. Therefore, the species is thereby screened out.	
74.	Wood Sandpiper (<i>Tringa glareola</i>) BirdLife International. 2025. <i>Tringa glareola</i> . <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693247A281867467. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693247A281867467.en . Accessed on 20 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The species is a winter migrant to India. Outside of the breeding season this species is less associated with woodlands, being more commonly found in open areas such as the margins of inland freshwater lakes and reservoirs, muddy marshlands, grassy stream banks, sewage farms, wet paddy fields, small temporary pools, permanent swamps, flooded grassland and irrigation channels. It rarely occurs in coastal habitats but may be found along the creeks of saltmarshes and mangrove swamps ¹⁰¹ . Suitable habitats are unlikely to occur along the Project RoW. Therefore, the species is thereby screened out.	Out
75.	Spotted Redshank (<i>Tringa erythropus</i>) BirdLife International. 2025. <i>Tringa erythropus</i> . <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693207A154826903. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693207A154826903.en . Accessed on 20 May 2026.	IUCN: Least Concern	3 a, b	The species is a winter migrant to India. During migration and on its wintering grounds, this species frequents a variety of freshwater and brackish wetlands such as sewage farms, irrigated rice fields, brackish	Out

¹⁰⁰ BirdLife International. 2025. *Tringa nebularia*. *The IUCN Red List of Threatened Species* 2025: e.T22693220A281868802. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693220A281868802.en>. Accessed on 20 May 2026.

¹⁰¹ BirdLife International. 2025. *Tringa glareola*. *The IUCN Red List of Threatened Species* 2025: e.T22693247A281867467. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693247A281867467.en>. Accessed on 20 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	K.2025-2.RLTS.T22693207A154826903.en . Accessed on 21 May 2026.	WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes		lagoons, salt marshes, saltpans, sheltered muddy coastal shores and mudflats, marshes and marshy lake edges, small reservoirs, pools and flooded grasslands ¹⁰² . Suitable habitats are unlikely to occur along the Project RoW. Therefore, the species is thereby screened out.	
76.	Black-headed Ibis (<i>Threskiornis melanocephalus</i>) BirdLife International. 2024. <i>Threskiornis melanocephalus</i> . <i>The IUCN Red List of Threatened Species</i> 2024: e.T22697516A252063963. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22697516A252063963.en . Accessed on 21 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No		Resident across virtually all of India and Sri Lanka, marginally also in south-east Pakistan. Occurs in the Himalayan foothills of Nepal and very locally Bhutan (where there are records from the upper reaches of the Manas River: eBird 2024), as well as Bangladesh ¹⁰³ . Given that the proposed improvement works will be restricted to RoW and do not involve wetlands, the species has been screened out.	Out
77.	Little Ringed Plover (<i>Thinornis dubius</i>) BirdLife International. 2025. <i>Charadrius dubius</i> . <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693770A281838575. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693770A281838575.en . Accessed on 21 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No	3 a, b	The species is a resident in India. During the breeding season this species shows a preference for bare or sparsely vegetated sandy and pebbly shores of shallow standing freshwater pools, lakes or slow-flowing rivers, including river islands, dry, stony riverbeds, sand, shingle or silt flats, dry wadis and dune slacks. This species may also utilise temporary artificial	Out

¹⁰² BirdLife International. 2025. *Tringa erythropus*. *The IUCN Red List of Threatened Species* 2025: e.T22693207A154826903. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693207A154826903.en>. Accessed on 21 May 2026.

¹⁰³ BirdLife International. 2024. *Threskiornis melanocephalus*. *The IUCN Red List of Threatened Species* 2024: e.T22697516A252063963. <https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22697516A252063963.en>. Accessed on 21 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
		Migrant: Yes		habitats such as gravel pits, sewage works, industrial wastelands and refuse tips, and may use open arable land on clay soil in exceptional circumstances. ¹⁰⁴ . It is unlikely for the species to form significant congregations along the project footprint. The species has been thereby screened out.	
78.	Sandwich Tern (<i>Thalasseus sandvicensis</i>) BirdLife International. 2025. <i>Charadrius dubius</i> . <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693770A281838575. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693770A281838575.en . Accessed on 21 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	This species can be found in Europe, Africa, western Asia, and the Americas. It breeds seasonally on the coast of much of Europe east to the Caspian Sea, wintering from the Caspian, Black and Mediterranean Seas to the coasts of western and southern Africa, and from the south Red Sea to north-west India and Sri Lanka ¹⁰⁵ . While some alignments occur in coastal districts, the habitats along the roads are predominantly agricultural and inland in character. As the species is restricted to coastal and marine environments, favourable habitats are unlikely to occur in the Project Aol, and the species is thereby screened out.	Out
79.	Great Crested Tern (<i>Thalasseus bergii</i>)	IUCN: Least Concern	3 a, b	This species can be found found on islands and coastlines of the tropical and subtropical Old World, ranging	Out

¹⁰⁴ BirdLife International. 2025. *Charadrius dubius*. *The IUCN Red List of Threatened Species* 2025: e.T22693770A281838575. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693770A281838575.en>. Accessed on 21 May 2026.

¹⁰⁵ BirdLife International. 2025. *Charadrius dubius*. *The IUCN Red List of Threatened Species* 2025: e.T22693770A281838575. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693770A281838575.en>. Accessed on 21 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	BirdLife International. 2018. <i>Thalasseus bergii</i> . <i>The IUCN Red List of Threatened Species</i> 2018: e.T22694571A132561035. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694571A132561035.en . Accessed on 21 May 2026.	WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes		from the Atlantic Coast of South Africa, south around the Cape and continuing along the coast of Africa and Asia almost without break to south-east Asia and Australia. It can also be found on Madagascar, islands of the western Indian ocean and islands of the western and central Pacific Ocean. Outside the breeding season it can be found at sea throughout this range, with the exception of the central Indian Ocean ¹⁰⁶ . It is a strictly coastal species. While some alignments occur in coastal districts, the habitats along the roads are predominantly agricultural and inland in character. As the species is restricted to coastal and marine environments, interaction with the project is unlikely and the species is thereby screened out.	
80.	Lesser Crested Tern (<i>Thalasseus bengalensis</i>) BirdLife International. 2018. <i>Thalasseus bengalensis</i> . <i>The IUCN Red List of Threatened Species</i> 2018: e.T22694561A132560333. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694561A132560333.en . Accessed on 21 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Lesser Crested Tern breeds in subtropical coastal parts of the world mainly from the Red Sea across the Indian Ocean to the western Pacific, and Australia, with a significant population on the southern coast of the Mediterranean, on two islands off the coast of Libya. Outside the breeding season it ranges on the north African coast (both Mediterranean and Atlantic), on much of the Indian Ocean	Out

¹⁰⁶ BirdLife International. 2018. *Thalasseus bergii*. *The IUCN Red List of Threatened Species* 2018: e.T22694571A132561035. <https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694571A132561035.en>. Accessed on 21 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				nearby continents, and in the western Pacific north of Australia up to New Guinea and Vietnam ¹⁰⁷ . It is a strictly coastal species. While some alignments occur in coastal districts, the habitats along the roads are predominantly agricultural and inland in character. As the species is restricted to coastal and marine environments, interaction with the project is unlikely and the species is thereby screened out.	
81.	Ruddy Shelduck (<i>Tadorna ferruginea</i>) BirdLife International. 2025. <i>Tadorna ferruginea</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22680003A281866558. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22680003A281866558.en. Accessed on 21 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The species is widespread across Europe and Asia, and winters in India amongst others. In the non-breeding season this species prefers streams, slow-flowing rivers, freshwater pools, flooded grasslands, marshes and brackish or saline lakes in lowland regions, and is also found on artificial reservoirs in the vicinity of agricultural lands. It avoids coastal waters and tall, dense vegetation or emergent and floating aquatic plants¹⁰⁸. Given that the proposed improvement works will be restricted to RoW and do not involve wetlands, the species has been screened out.	Out

¹⁰⁷ BirdLife International. 2018. *Thalasseus bengalensis*. *The IUCN Red List of Threatened Species* 2018: e.T22694561A132560333. <https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694561A132560333.en>. Accessed on 21 May 2026.

¹⁰⁸ BirdLife International. 2025. *Tadorna ferruginea*. *The IUCN Red List of Threatened Species* 2025: e.T22680003A281866558. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22680003A281866558.en>. Accessed on 21 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
82.	Little Grebe (<i>Tachybaptus ruficollis</i>) BirdLife International. 2025. <i>Tachybaptus ruficollis</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22696545A281865439. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22696545A281865439.en. Accessed on 21 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No		<i>Tachybaptus ruficollis</i> has a very extensive range across Europe, Africa, and Asia. The species occurs as a resident, breeding, and non-breeding population in different parts of its range, with widespread distribution across the Old World. Its breeding and non-breeding ranges overlap in several regions¹⁰⁹. The species is unlikely to form significant congregations on the state. Given that the proposed improvement works will be restricted to RoW and do not involve wetlands, the species has been screened out.	Out
83.	Masked Booby (<i>Sula dactylatra</i>) BirdLife International. 2018. <i>Sula dactylatra</i>. <i>The IUCN Red List of Threatened Species</i> 2018: e.T22736173A132666363. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22736173A132666363.en. Accessed on 21 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	This species ranges widely in tropical waters, being found in every ocean on or off nearly every coast except the eastern Atlantic Ocean, northern Indian Ocean and the central-eastern Pacific Ocean¹¹⁰. The species is ecologically restricted to marine and island systems, with foraging occurring in offshore oceanic waters and breeding confined to remote islands¹¹¹¹¹², indicating minimal interaction with mainland terrestrial	Out

¹⁰⁹ BirdLife International. 2025. *Tachybaptus ruficollis*. *The IUCN Red List of Threatened Species* 2025: e.T22696545A281865439. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22696545A281865439.en>. Accessed on 21 May 2026.

¹¹⁰ BirdLife International. 2018. *Sula dactylatra*. *The IUCN Red List of Threatened Species* 2018: e.T22736173A132666363. <https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22736173A132666363.en>. Accessed on 21 May 2026.

¹¹¹ Lerma, M., Serratos, J., & Luna-Jorquera, G. (2020). Foraging ecology of masked boobies (*Sula dactylatra*) in the world's largest "oceanic desert". *Marine Biology*, 167, 93. <https://doi.org/10.1007/s00227-020-03693-6>

¹¹² Benemann, V. R. F., Araújo, L. D., Fabbri, A. Z., Montone, R. C., & Petry, M. V. (2023). Nesting distribution of masked booby (*Sula dactylatra*) at Trindade Island, western South Atlantic Ocean. *Marine Ornithology*, 50, 189–194.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				habitats where the Project roads are located, and is thereby screened out.	
84.	European Starling (<i>Sturnus vulgaris</i>) BirdLife International. 2019. <i>Sturnus vulgaris</i> . <i>The IUCN Red List of Threatened Species</i> 2019: e.T22710886A137493608. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22710886A137493608.en . Accessed on 21 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	<i>Sturnus vulgaris</i> has an extremely large global distribution, occurring naturally across Europe, Asia, and North Africa, where it exists as both resident and migratory populations. Many northern populations exhibit seasonal movements to southern regions during the non-breeding period. In India, <i>Sturnus vulgaris</i> is a winter migrant with localised distribution, mainly in northern regions, and is not a breeding resident ¹¹³¹¹⁴ . Available occurrence data from public domain and citizen science platform indicates that the species is only rarely recorded in Karnataka, with very sparse and isolated observations and no evidence of a stable or widespread regional population ¹¹⁵¹¹⁶ , and is thereby screened out.	Out
85.	Brahminy Starling (<i>Sturnia pagodarum</i>) BirdLife International. 2018. <i>Sturnia pagodarum</i> . <i>The IUCN Red List of Threatened Species</i> 2018: e.T22710864A132090827. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22710864A132090827.en	IUCN: Least Concern WPAA, 2023: Schedule II		<i>Sturnia pagodarum</i> is a South Asian species with a distribution extending from eastern Afghanistan and Pakistan across the Indian subcontinent to Nepal and Bangladesh, with additional non-breeding occurrence in Sri Lanka.	Out

¹¹³ GBIF Backbone Taxonomy: *Sturnus vulgaris* Linnaeus, 1758. Retrieved from <https://www.gbif.org/species/9809229>

¹¹⁴ BirdLife International. 2019. *Sturnus vulgaris*. *The IUCN Red List of Threatened Species* 2019: e.T22710886A137493608. <https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22710886A137493608.en>. Accessed on 21 May 2026.

¹¹⁵ eBird. (2026). *Eurasian starling (Sturnus vulgaris) distribution map* [Interactive map]. Cornell Lab of Ornithology. Retrieved May 21, 2026, from <https://ebird.org/map/eursta>

¹¹⁶ *Sturnus vulgaris* Linnaeus, 1758 in GBIF Secretariat (2023). GBIF Backbone Taxonomy. Checklist dataset <https://doi.org/10.15468/39omei> accessed via GBIF.org on 2026-05-21.

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	K.2018-2.RLTS.T22710864A132090827.en . Accessed on 22 May 2026.	Restricted Range: No Migrant: No		India is the core range, where the species is locally common and largely resident, although it may exhibit limited seasonal movements. GBIF occurrence data further confirms that the species shows its highest distribution density within India, indicating a predominantly subcontinental range centred on South Asia rather than a global distribution pattern ¹¹⁷¹¹⁸ . Given the species' broad distribution, and tolerance to human-modified environments, its occurrence along the project is expected but the species is unlikely to form significant congregations along the Project roads and adjoining habitats. The species has been recorded in smaller groups of three or four individuals during the surveys. The species is therefore screened out.	
86.	Saunders's Tern (<i>Sternula saundersi</i>) BirdLife International. 2019. <i>Sternula saundersi</i> (amended version of 2018 assessment). <i>The IUCN Red List of Threatened Species</i> 2019: e.T22694666A155479775. https://dx.doi.org/10.2305/IUCN.U	IUCN: Least Concern WPAA, 2023: Schedule II	3 a, b	This poorly known species breeds along the coasts of the Red Sea south to Socotra (Yemen) and Somalia, and around the Persian Gulf off Saudi Arabia, Iran and Oman, to north-west India, Sri Lanka, Adu Atoll (Maldives), and possibly the Amirantes Islands of the Seychelles. North-east African	Out

¹¹⁷ *Sturnia pagodarum* (Gmelin, 1789) in GBIF Secretariat (2023). GBIF Backbone Taxonomy. Checklist dataset <https://doi.org/10.15468/39omei> accessed via GBIF.org on 2026-05-22.

¹¹⁸ BirdLife International. 2018. *Sturnia pagodarum*. *The IUCN Red List of Threatened Species* 2018: e.T22710864A132090827. <https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22710864A132090827.en>. Accessed on 22 May 2026.

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	K.2018-2.RLTS.T22694666A155479775.en . Accessed on 22 May 2026.	Restricted Range: No Migrant: Yes		birds move south as far as Tanzania in winter, and birds around the Red Sea also move south within the breeding range. Birds in south-east Somalia, Sudan and Socotra are resident. Other populations appear to migrate eastwards to the west coast of India, Sri Lanka, Laccadives (to India) and Maldives, Seychelles and Malaysia ¹¹⁹ . Given the species' strict dependence on coastal habitats and lesser inland habitat use, the species is therefore screened out	
87.	Little Tern (<i>Sternula albifrons</i>) BirdLife International. 2019. <i>Sternula albifrons</i> (amended version of 2018 assessment). <i>The IUCN Red List of Threatened Species</i> 2019: e.T22694656A155476219. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694656A155476219.en. Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	This poorly known species breeds along the coasts of the Red Sea south to Socotra (Yemen) and Somalia, and around the Persian Gulf off Saudi Arabia, Iran and Oman, to north-west India, Sri Lanka, Adu Atoll (Maldives), and possibly the Amirantes Islands of the Seychelles. North-east African birds move south as far as Tanzania in winter, and birds around the Red Sea also move south within the breeding range. Birds in south-east Somalia, Sudan and Socotra are resident. Other populations appear to migrate eastwards to the west coast of India, Sri Lanka, Laccadives (to India) and	Out

¹¹⁹ BirdLife International. 2019. *Sternula saundersi* (amended version of 2018 assessment). *The IUCN Red List of Threatened Species* 2019: e.T22694666A155479775. <https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694666A155479775.en>. Accessed on 28 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				Maldives, Seychelles and Malaysia ¹²⁰ . Given that the proposed improvement works will be restricted to RoW and do not involve wetlands, the species has been screened out.	
88.	White-cheeked Tern (<i>Sternula repressa</i>) BirdLife International. 2019. <i>Sternula albifrons</i> (amended version of 2018 assessment). <i>The IUCN Red List of Threatened Species</i> 2019: e.T22694656A155476219. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694656A155476219.en . Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	White-cheeked Tern ranges from the Red Sea (seasonal breeding) south to Somalia and Kenya (resident), to the Persian Gulf and Oman (seasonal breeding) and locally to western India (resident). Seasonally breeding birds winter from the Arabian Sea to south-west Indian and the Laccadives ¹²¹ . Given that the proposed improvement works will be restricted to RoW and do not involve wetlands, the species has been screened out.	Out
89.	Common Tern (<i>Sternula hirundo</i>) BirdLife International. 2019. <i>Sterna hirundo</i> (amended version of 2018 assessment). <i>The IUCN Red List of Threatened Species</i> 2019: e.T22694623A155537726. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22694623A155537726.en . Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	This species has a circumpolar distribution and can be found breeding in most of Europe, Asia and North America, except the in the extreme north. It winters further south, being found along the coast and inland of South America down to the Falkland Islands (Islas Malvinas), along the coast of Africa (excluding northern Africa), along parts of the Arabian Peninsula, the coast of India and	Out

¹²⁰ BirdLife International. 2019. *Sternula albifrons* (amended version of 2018 assessment). *The IUCN Red List of Threatened Species* 2019: e.T22694656A155476219. <https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694656A155476219.en>. Accessed on 28 May 2026.

¹²¹ BirdLife International. 2019. *Sterna repressa*. *The IUCN Red List of Threatened Species* 2019: e.T22694705A154834019. <https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22694705A154834019.en>. Accessed on 28 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				throughout much of south-east Asia and Australasia, excluding New Zealand ¹²² . Given that the proposed improvement works will be restricted to RoW and do not involve wetlands, the species has been screened out.	
90.	River Tern (<i>Sternula aurantia</i>) BirdLife International. 2020. <i>Sterna aurantia</i>. <i>The IUCN Red List of Threatened Species</i> 2020: e.T22694537A180171504. https://dx.doi.org/10.2305/IUCN.UK.2020-3.RLTS.T22694537A180171504.en. Accessed on 28 May 2026.	IUCN: Vulnerable WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	This species occurs along river systems across southern and south-east Asia, including Pakistan, India, Bangladesh, Myanmar, Thailand, Cambodia, southern PRC, and seasonally in Nepal, Bhutan, Laos, and Vietnam. Although declines have been reported in parts of South-East Asia, the species appears more regular in southern India than previously thought, likely benefiting from reservoir development. Large breeding populations have been recorded at sites such as Pong Dam¹²³. Given that the proposed improvement works will be restricted to RoW and do not involve expansion into wetlands, the species has been screened out.	Out

¹²² BirdLife International. 2019. *Sterna hirundo* (amended version of 2018 assessment). *The IUCN Red List of Threatened Species* 2019: e.T22694623A155537726. <https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22694623A155537726.en>. Accessed on 28 May 2026.

¹²³ BirdLife International. 2020. *Sterna aurantia*. *The IUCN Red List of Threatened Species* 2020: e.T22694537A180171504. <https://dx.doi.org/10.2305/IUCN.UK.2020-3.RLTS.T22694537A180171504.en>. Accessed on 28 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
91.	Black-bellied Tern (<i>Sterna acuticauda</i>) BirdLife International. 2023. <i>Sterna acuticauda</i> . <i>The IUCN Red List of Threatened Species</i> 2023: e.T22694711A207933556. https://dx.doi.org/10.2305/IUCN.UK.2023-2.RLTS.T22694711A207933556.en . Accessed on 28 May 2026.	IUCN: Endangere d WPAA, 2023: Schedule I Restricted Range: No Migrant: No	1 a, c	<i>Sterna acuticauda</i> now has the majority of its range in India where it remains widespread but in decline. It also occurs in Pakistan, Nepal and Bangladesh, and was recently confirmed to persist in Myanmar. It is found on large rivers (usually breeding on sandspits and islands) and marshes, occasionally on smaller pools and ditches ¹²⁴ . Given the species' strict ecological requirements and low likelihood of occurrence in the project region, the species is unlikely to occur along the roads proposed for improvement. The species is therefore screened out.	Out
92.	Pomarine Jaeger (<i>Stercorarius pomarinus</i>) BirdLife International. 2018. <i>Stercorarius pomarinus</i> . <i>The IUCN Red List of Threatened Species</i> 2018: e.T22694240A132534251. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694240A132534251.en . Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	This species breeds in the far north of Eurasia and North America. It is a transequatorial migrant, mostly wintering between the Tropic of Cancer and Tropic of Capricorn and along the coastlines of Australia and Argentina ¹²⁵ . Given the species' strict dependence on pelagic environments and absence from inland areas, the species is therefore screened out.	Out

¹²⁴ BirdLife International. 2023. *Sterna acuticauda*. *The IUCN Red List of Threatened Species* 2023: e.T22694711A207933556. <https://dx.doi.org/10.2305/IUCN.UK.2023-2.RLTS.T22694711A207933556.en>. Accessed on 28 May 2026.

¹²⁵ BirdLife International. 2018. *Stercorarius pomarinus*. *The IUCN Red List of Threatened Species* 2018: e.T22694240A132534251. <https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694240A132534251.en>. Accessed on 28 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
93.	Arctic Jaeger (<i>Stercorarius parasiticus</i>) BirdLife International. 2018. <i>Stercorarius parasiticus</i> . <i>The IUCN Red List of Threatened Species</i> 2018: e.T22694245A132535550. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694245A132535550.en . Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	This species breeds on the northernmost coasts of Eurasia and North America. It is a transequatorial migrant, wintering on the southern tips of South America (as far north as Peru and Argentina), Africa (as far north as South Africa and Angola), and on the coasts of Australia and New Zealand, excluding the northern half of Australia ¹²⁶ . Given the species' strict dependence on pelagic environments and absence from inland areas, the species is therefore screened out.	Out
94.	South Polar Skua (<i>Stercorarius maccormicki</i>) BirdLife International. 2018. <i>Catharacta maccormicki</i> . <i>The IUCN Red List of Threatened Species</i> 2018: e.T22694218A132533643. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694218A132533643.en . Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The South Polar Skua breeds throughout the Antarctic coast, especially in the Ross Sea area. It undergoes a transequatorial migration, wintering as far north as Alaska (USA) and Greenland (to Denmark) ¹²⁷ . Given the species' strict dependence on pelagic environments and absence from inland areas, the species is screened out.	Out
95.	Long-tailed Jaeger (<i>Stercorarius longicaudus</i>)	IUCN: Least Concern	3 a, b	This species breeds in the high Arctic of Eurasia and North America, and has a circumpolar winter distribution in the	Out

¹²⁶ BirdLife International. 2018. *Stercorarius parasiticus*. *The IUCN Red List of Threatened Species* 2018: e.T22694245A132535550. <https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694245A132535550.en>. Accessed on 28 May 2026.

¹²⁷ BirdLife International. 2018. *Catharacta maccormicki*. *The IUCN Red List of Threatened Species* 2018: e.T22694218A132533643. <https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694218A132533643.en>. Accessed on 28 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	BirdLife International. 2018. <i>Stercorarius longicaudus</i> . <i>The IUCN Red List of Threatened Species</i> 2018: e.T22694251A132536719. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694251A132536719.en . Accessed on 28 May 2026.	WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes		Southern Oceans ¹²⁸ . Given the species' strict dependence on pelagic environments and absence from inland ecosystems, the species is screened out.	
96.	Western Marsh Harrier (<i>Circus aeruginosus</i>) BirdLife International. 2021. <i>Circus aeruginosus</i> . <i>The IUCN Red List of Threatened Species</i> 2021: e.T22695344A203357709. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22695344A203357709.en . Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule I Restricted Range: No Migrant: Yes	3 a, b	The Western Marsh Harrier is a migratory raptor that winters widely across India, typically associated with wetlands, marshes, agricultural fields, and open landscapes where it hunts over large areas. Unlike waterbirds, it does not form large congregations; individuals are usually seen singly or in very small numbers, often covering wide foraging ranges rather than remaining confined to a particular site. In Karnataka, the species occurs as a fairly widespread winter visitor, using multiple habitats across the landscape rather than depending on specific wetlands or localised areas. Its movements are broad and ranging, with birds regularly shifting their hunting areas. However, the species is unlikely to form significant and large	Out

¹²⁸ BirdLife International. 2018. *Stercorarius longicaudus*. *The IUCN Red List of Threatened Species* 2018: e.T22694251A132536719. <https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694251A132536719.en>. Accessed on 28 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				congregations along the Project footprint. Therefore, this species is screened out.	
97.	Brown Skua (<i>Stercorarius antarcticus</i>) BirdLife International. 2018. <i>Catharacta antarctica</i> . <i>The IUCN Red List of Threatened Species</i> 2018: e.T62289571A132674404. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T62289571A132674404.en . Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	It is found on the Antarctic Peninsula and subantarctic islands of the Atlantic, Indian and Pacific Oceans, wintering near or slightly dispersed from the breeding area ¹²⁹ . Given the species' strict dependence on pelagic environments and absence from inland ecosystems, there is no functional spatial overlap with the project. The species is therefore screened out.	Out
98.	Hen Harrier (<i>Circus cyaneus</i>) BirdLife International. 2021. <i>Circus cyaneus</i> . <i>The IUCN Red List of Threatened Species</i> 2021: e.T22727733A200497981. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22727733A200497981.en . Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule I Restricted Range: No Migrant: Yes	3 a, b	The Hen Harrier is a migratory raptor that winters across parts of India, typically using open grasslands, scrublands, agricultural fields, and marshy areas for foraging. It is usually encountered as solitary individuals or occasionally in loose, dispersed groups, especially at communal roost sites during winter. Unlike waterbirds, it does not form large feeding aggregations and spends much of its time ranging over wide areas while hunting.	Out

¹²⁹ BirdLife International. 2018. *Catharacta antarctica*. *The IUCN Red List of Threatened Species* 2018: e.T62289571A132674404. <https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T62289571A132674404.en>. Accessed on 28 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				In Karnataka, the species is an uncommon winter visitor, recorded sporadically across suitable open habitats rather than at specific, consistently used locations. Its presence tends to vary between seasons and sites, with no clear evidence of key roosting or foraging areas supporting significant numbers. From a project perspective, this suggests that any interaction would involve occasional, wide-ranging individuals, with no dependence on particular sites that could significantly interact with the proposed Project. Therefore, this species is screened out.	
99.	Pallid Harrier (<i>Circus macrourus</i>) BirdLife International. 2021. <i>Circus macrourus</i>. <i>The IUCN Red List of Threatened Species</i> 2021: e.T22695396A201209093. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22695396A201209093.en. Accessed on 28 May 2026.	IUCN: Near Threatened WPAA, 2023: Schedule I Restricted Range: No Migrant: Yes	3 a, b	The Pallid Harrier is a migratory raptor that breeds in Central Asia and winters across parts of India, typically using open grasslands, fallow fields, scrublands, and occasionally wetland edges for foraging. Even though it is globally Near Threatened, the species is generally observed as single individuals or very small numbers, hunting over wide open landscapes rather than gathering in large groups. In some areas, small communal night roosts may occur, but these are usually temporary and	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				locally variable, depending on habitat conditions. In Karnataka, the species is an uncommon winter visitor, recorded irregularly from suitable open habitats and not known to rely on any consistently important roosting or foraging site. Its use of the landscape is wide-ranging and dispersed, with individuals moving across large areas. From a project perspective, this means that potential interaction would be limited to occasional transient individuals, with no indication of a site that supports a significant or sensitive population or congregation. Therefore, this species is screened out.	
100.	Garganey (<i>Spatula querquedula</i>) BirdLife International. 2025. <i>Spatula querquedula</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22680313A154807983. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22680313A154807983.en. Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The species is widespread across Europe and Asia, and is a winter migrant to India. During the non-breeding season the species shows a preference for large freshwater or occasionally brackish lakes, again with abundant floating, emergent and fringing vegetation, also shallow flood plains, shallow dams, pans and sewage ponds. The species also frequents coastal saltmarshes and lagoons on passage and may spend the day resting on marine inshore	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				waters when migrating ¹³⁰ . Given that the proposed improvement works will be restricted to RoW and do not involve expansion into wetlands, the species has been screened out.	
101.	Pied Harrier (<i>Circus melanoleucos</i>) BirdLife International. 2021. <i>Circus melanoleucos</i>. <i>The IUCN Red List of Threatened Species</i> 2021: e.T22695402A203542370. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22695402A203542370.en. Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule I Restricted Range: No Migrant: Yes	3 a, b	The Pied Harrier is a migratory raptor that winters in India and is typically associated with grasslands, agricultural fields, scrublands, and marshy areas, where it hunts over open landscapes. It is generally observed as solitary individuals or in very low numbers, occasionally forming small communal roosts during winter. These roosts are usually seasonal and dependent on local habitat conditions, and may shift between years and locations. In Karnataka, the species is an irregular and sparse winter visitor, with records scattered across suitable open habitats. There is no clear evidence of consistently used roosting sites or areas supporting notable numbers within the state. From a project perspective, this indicates that any interaction would involve individual birds moving across large areas, without reliance on a	Out

¹³⁰ BirdLife International. 2025. *Spatula querquedula*. *The IUCN Red List of Threatened Species* 2025: e.T22680313A154807983. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22680313A154807983.en>. Accessed on 28 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				specific site that could be affected by road alignment or associated activities. Therefore, this species is screened out.	
102.	Montagu's Harrier (<i>Circus pygargus</i>) BirdLife International. 2021. <i>Circus pygargus</i>. <i>The IUCN Red List of Threatened Species</i> 2021: e.T22695405A201058261. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22695405A201058261.en. Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule I Restricted Range: No Migrant: Yes	3 a, b	Montagu's Harrier is a migratory raptor that winters across India and is typically associated with open landscapes such as grasslands, scrub, fallow agricultural fields, and marsh edges, where it hunts in low flight over large areas. The species is generally encountered as solitary individuals or in very small numbers, although loose communal roosts may form during winter. These roosts are seasonal and dependent on local habitat conditions, often shifting location based on vegetation structure and disturbance. In Karnataka, records indicate that the species occurs as a thinly distributed winter visitor, with individuals using a broad mosaic of open habitats rather than concentrating at specific, consistently used sites. From a project perspective, this pattern suggests that any interaction would involve wide-ranging individuals moving across the landscape, and there is no clear linkage to a fixed	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				location that supports a significant or sensitive population. Therefore, this species is screened out.	
103.	Northern Shoveler (<i>Spatula clypeata</i>) BirdLife International. 2019. <i>Spatula clypeata</i>. <i>The IUCN Red List of Threatened Species</i> 2019: e.T22680247A153875944. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22680247A153875944.en. Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The species is a winter migrant to India. It inhabits permanent shallow freshwater wetlands from sea level up to 2,900 m, preferred sites being those surrounded by dense stands of reeds or other emergent vegetation whilst being free of overhanging trees or fringing forest. Copious submerged aquatic vegetation sheltering abundant planktonic invertebrates is a valuable habitat characteristic. Suitable habitats include well-vegetated lakes and marshes and with muddy shores and substrates in open country, as well as oxbow lakes, channels and swamps. It also frequents artificial waters bordered by lush grassland such as sewage farms, rice-fields and fishponds. In the winter it can be found on coastal brackish lagoons, tidal mudflats, estuaries, coastal shorelines, fresh and brackish estuarine marshes, inland seas and brackish or saline inland waters, occasionally occurring (briefly) on marine waters during migration¹³¹. Given that the proposed	Out

¹³¹ BirdLife International. 2019. *Spatula clypeata*. *The IUCN Red List of Threatened Species* 2019: e.T22680247A153875944. <https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22680247A153875944.en>. Accessed on 28 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				improvement works will be restricted to RoW and do not involve expansion into wetlands, the species has been screened out	
104.	Eastern Marsh Harrier (<i>Circus spilonotus</i>) BirdLife International. 2021. <i>Circus spilonotus</i>. <i>The IUCN Red List of Threatened Species</i> 2021: e.T61709141A203625947. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T61709141A203625947.en. Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule I Restricted Range: No Migrant: Yes	3, a b	The Eastern Marsh Harrier is a migratory raptor that occurs in India mainly during the winter, using wetlands, marshes, reed beds, and adjacent agricultural fields for foraging. It is typically observed alone or in small numbers, patrolling large areas while hunting. In some regions, it may use communal roosts in dense marsh vegetation, but these roosts are generally seasonal and can shift depending on habitat conditions and disturbance. In India, the species is more regularly recorded in northern and eastern parts of the country, while its occurrence in southern India, including Karnataka, is infrequent and localised. Given this pattern, any presence within the project landscape would likely involve occasional individuals moving across wetlands or open habitats, rather than a consistently used or important site. There is no indication of stable roosting or concentration areas within the project influence zone that would support a significant population.	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				Therefore, this species is screened out.	
105.	Eurasian Woodcock (<i>Scolopax rusticola</i>) BirdLife International. 2025. <i>Scolopax rusticola</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693052A281864591. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693052A281864591.en. Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Eurasian Woodcock (<i>Scolopax rusticola</i>) is a widely distributed Palearctic wader with an extensive breeding range across temperate and subarctic Eurasia, particularly in Europe, Fennoscandia, and Russia. It is a full migrant, with northern populations undertaking seasonal migrations to wintering grounds in southern Europe, North Africa, the Middle East, and South Asia, including India. In India, it occurs as a winter visitor primarily in forested habitats, where it occupies moist woodland environments. Global occurrence data confirm its distribution across the Palearctic, Afrotropical, and Indomalayan realms, making it one of the most widely distributed woodland waders¹³²¹³³. It is very rare in the project region, with only a few scattered observations and no evidence of regular occurrence or concentration. The species has been screened out.	Out.

¹³²*Scolopax rusticola* Linnaeus, 1758 in GBIF Secretariat (2023). GBIF Backbone Taxonomy. Checklist dataset <https://doi.org/10.15468/39omej> accessed via GBIF.org on 2026-05-28.

¹³³ BirdLife International. 2025. *Scolopax rusticola*. *The IUCN Red List of Threatened Species* 2025: e.T22693052A281864591. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693052A281864591.en>. Accessed on 28 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
106.	Indian Courser (<i>Cursorius coromandelicus</i>) BirdLife International. 2025. <i>Cursorius coromandelicus</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22694124A275687756. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22694124A275687756.en. Accessed on 28 May 2026.	IUCN: Near Threatened WPAA, 2023: Schedule I Restricted Range: No Migrant: Yes	3 a, b	The Indian Courser is a ground-dwelling bird of dry open habitats such as scrublands, semi-arid plains, fallow lands, and sparsely vegetated grasslands. It is largely resident within India, with movements linked to local habitat and seasonal conditions. The species is typically observed in pairs or small groups, often widely spaced while foraging on open ground. It does not form large flocks or aggregations and shows no dependence on congregation sites or specific high-use locations. In Karnataka, the species occurs in patchy suitable habitats, particularly in dry open landscapes, but its distribution is scattered and dependent on habitat availability rather than site fidelity. Individuals tend to occupy territories or use loosely defined areas rather than gathering in significant numbers. It is unlikely for the species to occur in large congregations, as the species generally occurs in smaller isolated flocks. Therefore, this species is screened out.	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
107.	Fulvous Whistling Duck (<i>Dendrocygna bicolor</i>) BirdLife International. 2025. <i>Dendrocygna bicolor</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22679746A136882742. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22679746A136882742.en. Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule I Restricted Range: No Migrant: Yes	3 a, b	The Fulvous Whistling Duck is a wetland-dependent species found in shallow freshwater marshes, flooded fields, lakes, and paddy cultivation areas, often in association with dense emergent vegetation. Unlike many other ducks, it can form moderate to large flocks at suitable wetlands, particularly during the non-breeding or post-breeding period. These gatherings are typically linked to water level, food availability, and seasonal habitat conditions, and may shift between wetlands depending on these factors. In Karnataka, the species occurs across multiple wetlands and agricultural landscapes, with numbers varying seasonally. While flocks may be locally conspicuous, they are generally distributed across a network of waterbodies rather than concentrated at a single consistently critical site. Given that the proposed improvement works will be restricted to RoW and do not involve expansion into wetlands, the species has been screened out. Therefore, this species is screened out.	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
108.	Knob-billed Duck (<i>Sarkidiornis melanotos</i>) BirdLife International. 2024. <i>Sarkidiornis melanotos</i> . <i>The IUCN Red List of Threatened Species</i> 2024: e.T45953631A265011614. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T45953631A265011614.en . Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	The species occurs throughout sub-Saharan Africa and Madagascar and from India to southern PRC, and south in SE Asia to Viet Nam, Thailand and Cambodia. This species inhabits grassy ponds or lakes in savanna, open woodlands along large rivers and lakes, swamps, marshes, floodplains, river deltas, flooded forest, pastures and rice-paddies and occasionally sandbars and mudflats ¹³⁴ . Given that the proposed improvement works will be restricted to RoW and do not involve expansion into wetlands, the species has been screened out.	Out
109.	Greater Painted-Snipe (<i>Rostratula benghalensis</i>) BirdLife International. 2024. <i>Rostratula benghalensis</i> . <i>The IUCN Red List of Threatened Species</i> 2024: e.T22735810A265008190. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22735810A265008190.en . Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	The species occurs throughout sub-Saharan Africa and Madagascar and from India to southern PRC, and south in SE Asia to Viet Nam, Thailand and Cambodia. This species inhabits grassy ponds or lakes in savanna, open woodlands along large rivers and lakes, swamps, marshes, floodplains, river deltas, flooded forest, pastures and rice-paddies and occasionally sandbars and mudflats ¹³⁵ . The species is common in the wider region; however, it is strongly dependent on wetlands and is thereby screened out.	Out

¹³⁴ BirdLife International. 2024. *Sarkidiornis melanotos*. *The IUCN Red List of Threatened Species* 2024: e.T45953631A265011614. <https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T45953631A265011614.en>. Accessed on 28 May 2026.

¹³⁵ BirdLife International. 2024. *Rostratula benghalensis*. *The IUCN Red List of Threatened Species* 2024: e.T22735810A265008190. <https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22735810A265008190.en>. Accessed on 28 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
110.	Lesser Whistling Duck (<i>Dendrocygna javanica</i>) BirdLife International. 2024. <i>Dendrocygna javanica</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22679758A265006900. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22679758A265006900.en. Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	The Lesser Whistling Duck is a common wetland bird across India, including Karnataka, occurring in lakes, marshes, village tanks, reservoirs, and paddy fields, often in areas with dense vegetation. It is highly social and frequently forms large daytime or night roosts, sometimes numbering in the hundreds or more, especially at stable water bodies with adequate cover. However, these roosts are not fixed over long periods and may shift depending on water levels, disturbance, and seasonal agricultural cycles. In Karnataka, the species is widely distributed across numerous wetlands, and while large flocks can be observed locally, they are typically part of a broader, continuous population spread across interconnected water bodies. Given that the proposed improvement works will be restricted to RoW and do not involve expansion into wetlands, the species has been screened out.	Out
111.	Crab-plover (<i>Dromas ardeola</i>) BirdLife International. 2024. <i>Dromas ardeola</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22694081A265007778. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22694081A265007778.en. Accessed on 28 May 2026.	IUCN: Least Concern	3 a, b	The Crab-plover is a specialized coastal species found along sandy shores, mudflats, lagoons, and offshore islands in the Indian Ocean region. It is strongly associated with undisturbed coastal habitats,	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	K.2024-2.RLTS.T22694081A265007778.en . Accessed on 28 May 2026.	WPAA, 2023: Schedule II Restricted Range: No Migrant: No		particularly for breeding, which occurs in dense colonies on remote islands. Globally, the species is known to form large congregations, especially at breeding colonies and key roosting or feeding sites along coastlines. These locations can support significant portions of the population and are often of high conservation importance. However, within India, its distribution is more concentrated in specific coastal regions such as the Gulf of Kachchh and parts of the east coast, where suitable habitat and conditions exist. Along the Karnataka coast, the species is very infrequent and occurs only as scattered individuals or small groups, with no well-documented major congregation or breeding site. Therefore, this species is screened out.	
112.	Christmas Island Frigatebird (<i>Fregata andrewsi</i>) BirdLife International. 2023. <i>Fregata andrewsi</i>. <i>The IUCN Red List of Threatened Species</i> 2023: e.T22697742A210923623. https://dx.doi.org/10.2305/IUCN.UK.2023-1.RLTS.T22697742A210923623.en. Accessed on 29 May 2026.	IUCN: Vulnerable WPAA, 2023: Schedule I Restricted Range: Yes Migrant: Yes	3 a, b	The Christmas Island Frigatebird is a highly threatened seabird with an extremely restricted breeding range, confined to a single location—Christmas Island in the eastern Indian Ocean. It spends most of its time far offshore over tropical marine waters, undertaking wide-ranging movements while foraging. Although individuals may disperse into parts of the eastern Indian Ocean,	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				including waters near the Indian subcontinent, such occurrences are rare and offshore, with no regular use of coastal or inland habitats in India. There are no known breeding, roosting, or foraging sites along the Karnataka coast. Therefore, this species is screened out.	
113.	Jerdon's Courser (<i>Rhinoptilus bitorquatus</i>) BirdLife International. 2025. <i>Rhinoptilus bitorquatus</i> . The IUCN Red List of Threatened Species 2025: e.T22694103A217265541. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22694103A217265541.en . Accessed on 28 May 2026.	IUCN: Critically Endangere d WPAA, 2023: Schedule I Restricted Range: Yes Migrant: No	1, a, c; 2 a	<i>Rhinoptilus bitorquatus</i> is known only from the Eastern Ghats of Andhra Pradesh and extreme southern Madhya Pradesh, India (BirdLife International 2001). Historically, it was known from just a few records in the Pennar and Godavari river valleys and was assumed to be extinct until its rediscovery around Lankamalai in 1986. It was subsequently found at six further localities in the vicinity of the Lankamalai, Velikonda and Palakonda hill-ranges, southern Andhra Pradesh, with all localities probably holding birds from a single population, the majority of which are contained within the Sri Lankamaleswara Wildlife Sanctuary ¹³⁶ . The species restricted to scrub habitats in Andhra Pradesh and has no confirmed presence in Karnataka. Therefore, it is highly unlikely to occur in the project area	Out

¹³⁶ BirdLife International. 2025. *Rhinoptilus bitorquatus*. The IUCN Red List of Threatened Species 2025: e.T22694103A217265541. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22694103A217265541.en>. Accessed on 28 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				and will not be impacted, thereby is screened out.	
114.	Pied Avocet (<i>Recurvirostra avosetta</i>) BirdLife International. 2021. <i>Recurvirostra avosetta</i>. <i>The IUCN Red List of Threatened Species</i> 2021: e.T22693712A177125045. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22693712A177125045.en. Accessed on 28 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The species is a winter visitor to India. Outside of the breeding season the species inhabits coastal and inland saline lakes and mudflats, lagoons, pools, salt pans, estuaries, sandy beaches, river deltas and floodplains. It rarely occurs on inland freshwater lakes and rivers but may forage on agricultural land¹³⁷. The species is thereby screened out.	Out
115.	Lesser Frigatebird (<i>Fregata ariel</i>) BirdLife International. 2018. <i>Fregata ariel</i>. <i>The IUCN Red List of Threatened Species</i> 2018: e.T22697738A132598822. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22697738A132598822.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Lesser Frigatebird is a pelagic seabird that spends most of its life over open ocean waters, breeding on remote islands in tropical regions. It is strongly associated with marine environments, rarely coming close to land except at breeding colonies or occasionally along coastlines. Although it may be observed in parts of the Indian Ocean, including waters off the Indian coast, such occurrences are primarily offshore and irregular. Along the Karnataka coast, records are limited and usually involve isolated individuals or small numbers, often	Out

¹³⁷ BirdLife International. 2021. *Recurvirostra avosetta*. *The IUCN Red List of Threatened Species* 2021: e.T22693712A177125045. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22693712A177125045.en>. Accessed on 28 May 2026..

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				associated with pelagic conditions rather than nearshore habitats. The species can gather in groups at sea, particularly around feeding opportunities, but these are mobile, ocean-based aggregations rather than fixed coastal or terrestrial sites. Owing to the absence of favourable inland habitats, this species is screened out.	
116.	Eurasian Coot (<i>Fulica atra</i>) BirdLife International. 2019. <i>Fulica atra</i>. <i>The IUCN Red List of Threatened Species</i> 2019: e.T22692913A154269531. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22692913A154269531.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Eurasian Coot is a very common waterbird widely distributed across India, including Karnataka, where it inhabits lakes, reservoirs, ponds, and marshes, often preferring open water with some vegetation. The species can occur in large flocks, particularly during the winter, when numbers may increase due to local movements and influx from northern populations. These aggregations can be prominent at some wetlands, especially larger reservoirs. In Karnataka, the species is abundant and broadly distributed, with large numbers recorded at multiple reservoirs and lakes rather than being restricted to a few critical locations. Given that the proposed improvement works will be restricted to RoW and do	Out.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				not involve expansion into wetlands, the species has been screened out.	
117.	Watercock (<i>Gallicrex cinerea</i>) BirdLife International. 2025. <i>Gallicrex cinerea</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22692789A280922702. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22692789A280922702.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Watercock is a wetland-dependent species found in marshes, reed beds, paddy fields, and other areas with dense emergent vegetation. It is typically associated with well-vegetated wetlands rather than open water bodies, and is often difficult to observe due to its secretive behaviour. The species is generally encountered as single individuals or in very small numbers, remaining concealed within vegetation rather than forming flocks. It does not exhibit congregatory behaviour or predictable aggregation at specific sites. In Karnataka, the species occurs in scattered suitable wetlands, particularly in areas with dense cover, but its presence is usually localised and low-density, with no evidence of significant congregations or regularly used key sites. Therefore, this species is screened out.	Out
118.	Common Snipe (<i>Gallinago Gallinago</i>) BirdLife International. 2025. <i>Gallinago gallinago</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693097A281470282. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693097A281470282.en. Accessed on 29 May 2026.	IUCN: Least Concern	3 a, b	The Common Snipe is a migratory wader that winters across India in marshes, wet grasslands, paddy fields, and the edges of wetlands, typically	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	K.2025-2.RLTS.T22693097A281470282.en . Accessed on 29 May 2026.	WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes		favouring areas with soft mud and dense cover. It is a solitary and cryptic species, usually remaining well concealed in vegetation and flushing only when closely approached. Even where numbers are locally higher, individuals are typically widely dispersed across suitable habitat patches rather than forming visible flocks. In Karnataka, the species is a regular winter visitor, but its occurrence is closely tied to the availability of suitable moist ground conditions, leading to a patchy and diffuse distribution across agricultural and wetland landscapes. From a project perspective, this means that the species may be present within suitable habitats along the alignment, but as scattered individuals using broadly available habitat, rather than large congregations at a specific sensitive site. Therefore, this species is screened out.	
119.	Great Snipe (<i>Gallinago media</i>) BirdLife International. 2021. <i>Gallinago media</i>. <i>The IUCN Red List of Threatened Species</i> 2021: e.T22693093A205592142. https://dx.doi.org/10.2305/IUCN.U	IUCN: Near Threatened WPAA, 2023: Schedule II	3 a, b	The Great Snipe is a migratory wader that breeds in northern Europe and Asia and winters primarily in Africa, with only very limited and irregular occurrence in India. It is associated with wet grasslands, marshes, and	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	K.2021-3.RLTS.T22693093A205592142.en . Accessed on 29 May 2026.	Restricted Range: No Migrant: Yes		damp meadows, similar to other snipe species, but has a much more restricted distribution within the subcontinent. In India, the species is considered rare, with only occasional records, and there is no consistent presence in southern India, including Karnataka. Where it does occur, it is typically encountered singly and does not form flocks or aggregations. Unlike the Common Snipe, which is regularly distributed, the Great Snipe does not use Indian wetlands as a significant part of its wintering range. There is also no evidence of regular habitat use, roosting sites, or repeat occurrences in the project landscape. Therefore, this species is screened out.	
120.	Swinhoe's Snipe (<i>Gallinago megala</i>) BirdLife International. 2025. <i>Gallinago megala</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693090A269809673. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693090A269809673.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	Swinhoe's Snipe is a migratory wader that breeds in northeast Asia and winters in parts of South and Southeast Asia, including India. It occupies wet grasslands, marshes, paddy fields, and muddy edges of wetlands, similar to other snipe species. The species is typically solitary and highly cryptic, remaining concealed in vegetation and rarely forming flocks. Even in suitable habitat, individuals are	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				usually widely spaced and difficult to detect, rather than occurring in visible concentrations. In India, records are scattered and relatively infrequent, and identification challenges mean its distribution is not well defined. In Karnataka, it is considered rare and irregular, with no evidence of consistent or repeated use of specific sites. Therefore, this species is screened out.	
121.	Pintail Snipe (<i>Gallinago stenura</i>) BirdLife International. 2025. <i>Gallinago stenura</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693085A281847247. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693085A281847247.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Pintail Snipe is a migratory wader that winters widely across the Indian subcontinent, occupying wet grasslands, marshes, paddy fields, and muddy wetland margins. Like other snipe species, it is highly secretive and typically solitary, remaining concealed in vegetation and flushing only when disturbed. Even in suitable habitat, individuals are generally well dispersed rather than forming visible flocks or aggregations. In Karnataka, the species is a regular winter visitor, occurring in suitable wet agricultural and marshy habitats. Its distribution is broad but patchy, closely linked to the availability of seasonal wet conditions rather than consistent use of fixed locations.	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				Therefore, this species is screened out.	
122.	Common Moorhen (<i>Gallinula chloropus</i>) BirdLife International. 2025. <i>Gallinago stenura</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693085A281847247. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693085A281847247.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Common Moorhen is a widespread resident waterbird found across India, including Karnataka, inhabiting ponds, lakes, marshes, village tanks, and slow-moving water bodies with vegetation. It is typically encountered as individuals, pairs, or small family groups, often remaining close to vegetated edges rather than forming large flocks in open water. Even where numbers are locally higher, the birds remain loosely distributed within habitat patches rather than forming dense aggregations. In Karnataka, the species is common and broadly distributed across a wide range of wetlands, including highly modified and urban water bodies. It does not exhibit strong site fidelity to any particular location at a scale that would indicate ecological significance. Therefore, this species is screened out.	Out
123.	Gull-billed Tern (<i>Gelochelidon nilotica</i>) BirdLife International. 2025. <i>Gallinago stenura</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693085A281847247. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693085A281847247.en. Accessed on 29 May 2026.	IUCN: Least Concern	3 a, b	The Gull-billed Tern is a migratory species found across India in coastal lagoons, estuaries, mudflats, inland wetlands, and even agricultural fields, reflecting a broad ecological tolerance.	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	K.2025-2.RLTS.T22693085A281847247.en . Accessed on 29 May 2026.	WPAA, 2023: Schedule I Restricted Range: No Migrant: Yes		Unlike many other terns, it does not depend strictly on marine environments and often forages over land and shallow wetlands. It may be seen in small to moderate flocks, particularly at suitable feeding areas, but generally does not form the dense, large aggregations typical of some other waterbirds. In Karnataka, the species occurs in scattered wetlands and coastal habitats, with numbers varying seasonally. Its occurrence is spread across multiple sites, and it is not known to rely on any consistently important or high-density congregation areas within the state. Therefore, this species is screened out.	
124.	Small Pratincole (<i>Glareola lactea</i>) BirdLife International. 2024. <i>Glareola lactea</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22694152A264993071. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22694152A264993071.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Small Pratincole is associated with open riverbeds, sandbanks, and gravel bars along large rivers, where it breeds and forages. It prefers bare, sparsely vegetated substrates near flowing water, and is often seen flying low over river channels catching insects. The species can form local colonies during the breeding season, where multiple individuals nest on exposed sandbanks. These colonies can be important at specific river stretches,	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				particularly in large, undisturbed river systems. In Karnataka, the species is restricted to suitable riverine habitats, and its occurrence depends on the availability of exposed sandbars during the dry season. However, these habitats are limited and discontinuous, and there is no clear evidence of large or regionally significant breeding colonies within the project influence areas. Favourable habitats are unlikely to occur along the Project Aol. Therefore, this species is screened out	
125.	Oriental Pratincole (<i>Glareola maldivarum</i>) BirdLife International. 2024. <i>Glareola maldivarum</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22694132A264981548. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22694132A264981548.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Oriental Pratincole is a migratory species that breeds across parts of Asia and visits India during the non-breeding season. It is typically associated with open habitats such as grasslands, fallow agricultural fields, dry scrub, and occasionally riverbeds, and is often seen foraging in flight over these landscapes. Unlike the Small Pratincole, it does not rely strictly on riverine sandbars for breeding within India, and instead uses a broader range of open terrestrial habitats, often in agricultural landscapes. The species can occur in flocks, sometimes fairly large during migration or at temporary feeding areas, but	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				these gatherings are short-lived and highly mobile, shifting with local conditions such as insect availability and land use. In Karnataka, it is recorded as a winter visitor with scattered distribution, appearing in suitable open habitats across different regions rather than being tied to specific, consistently used sites. Its occurrence in large congregations along the Project Aol is unlikely. Therefore, this species is screened out.	
126.	Collared Pratincole (<i>Glareola pratincole</i>) BirdLife International. 2025. <i>Glareola pratincola</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22694127A280994521. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22694127A280994521.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Collared Pratincole is a migratory species that breeds in parts of Europe and western Asia and winters in Africa and South Asia, including India. It uses open landscapes such as dry grasslands, scrub, fallow agricultural fields, and riverine habitats, often foraging on the wing over these areas. The species is known to occur in flocks, particularly during migration, sometimes gathering in noticeable numbers at temporary feeding or roosting sites. However, these concentrations are typically short-term and opportunistic, influenced by local conditions such as insect availability and land use.	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				In India, it is an uncommon and scattered winter visitor, and in southern India including Karnataka, records are infrequent and localised, without evidence of consistent use of particular sites. The species is unlikely to occur in significant congregations along the Project Aol. Therefore, this species is screened out.	
127.	Malayan Night Heron (<i>Gorsachius melanolophus</i>) BirdLife International. 2025. <i>Gorsachius melanolophus</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22697242A154679619. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22697242A154679619.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Malayan Night Heron is a secretive forest-associated heron that inhabits dense evergreen forests, wooded streams, and shaded wetlands, typically avoiding open water bodies used by most other herons. It is predominantly solitary and nocturnal, remaining hidden during the day and emerging to forage at dusk or night. The species does not form flocks or aggregations and is generally encountered as single individuals, often infrequently due to its cryptic behaviour. In India, its distribution is mainly restricted to the Western Ghats and northeastern hill forests, and within Karnataka it is localised to forested landscapes rather than widespread wetlands or plains.	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				The species is unlikely to form significant congregations in the Project Aol. Therefore, this species is screened out.	
128.	Southern Hill Myna (<i>Gracula indica</i>) BirdLife International. 2024. <i>Gracula indica</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T103878766A264221347. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T103878766A264221347.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule I Restricted Range: No Migrant: Yes	2 a	The Southern Hill Myna is an endemic species of the Western Ghats, with its global distribution restricted to this biodiversity hotspot, thereby qualifying under Criterion 2 (restricted-range species). It inhabits evergreen and semi-evergreen forests, often occurring in small groups or pairs within forest canopies, where it feeds on fruits and insects. The species shows localised habitat preference linked to intact forest patches, but it does not form large congregations or depend on specific aggregation sites. Within Karnataka, it is patchily distributed across suitable forested landscapes of the Western Ghats, with populations diffused across multiple hill ranges rather than confined to a single critical location. Although habitat fragmentation can influence its distribution, the species is still fairly widespread within its ecological zone, occupying multiple forest patches. Therefore, this species is screened out.	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
129.	Common Crane (<i>Grus grus</i>) BirdLife International. 2025. <i>Grus grus</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22692146A265333107. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22692146A265333107.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule I Restricted Range: No Migrant: Yes	3 a, b	The Common Crane is a large migratory bird that breeds across northern Eurasia and winters in parts of South Asia. In India, it is primarily associated with northern plains, large wetlands, and open agricultural landscapes, where it forms large flocks during the winter season. These flocks can be significant in number and may use traditional wintering and staging areas, particularly in northwestern and northern India. However, the species' distribution in the country is strongly regional, with the majority of the population concentrated in Rajasthan, Gujarat, and parts of the Indo-Gangetic plains. In southern India, including Karnataka, the species is extremely rare and largely absent, with very few, if any, regular records. The landscape does not represent a recognised wintering or staging area for the species. The species is unlikely to form large or significant congregations along the Project Aol. Therefore, this species is screened out.	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
130.	Demoiselle Crane (<i>Grus virgo</i>) BirdLife International. 2018. <i>Anthropoides virgo</i>. <i>The IUCN Red List of Threatened Species</i> 2018: e.T22692081A131927771. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22692081A131927771.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule I Restricted Range: No Migrant: Yes	3 a, b	The Demoiselle Crane is a migratory species that breeds in Central Asia and winters primarily in northwestern India, especially in regions such as Rajasthan and Gujarat, where it forms very large and well-known flocks at traditional wintering sites. These congregations can be highly significant, with some sites supporting thousands of individuals, often showing strong site fidelity and long-term use. Such locations are important at a regional and global scale. However, the distribution of the species in India is highly localised, with the majority of the wintering population confined to the arid and semi-arid landscapes of western India. In southern India, including Karnataka, the species is exceptionally rare and not part of its regular wintering range. Given this clear geographic separation, the habitats within the project area do not overlap with known wintering or congregation sites for the species. Therefore, this species is screened out.	Out
131.	Eurasian Oystercatcher (<i>Haematopus ostralegus</i>)	IUCN: Near Threatened	3 a, b	The Eurasian Oystercatcher is a coastal wader that breeds in temperate regions of Europe and Asia and winters mainly along coastlines,	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	BirdLife International. 2019. <i>Haematopus ostralegus</i> . <i>The IUCN Red List of Threatened Species</i> 2019: e.T22693613A154998347. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22693613A154998347.en . Accessed on 29 May 2026.	WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes		estuaries, mudflats, and rocky shores. It is typically associated with intertidal habitats, where it feeds on molluscs and other invertebrates. The species can form flocks at suitable coastal feeding and roosting sites, particularly in major estuaries and tidal flats. However, within India its distribution is limited and largely confined to specific coastal regions, with most records from areas such as Gujarat and parts of the east coast. Along the western coast, including Karnataka, it is considered rare and irregular, with only occasional sightings. There are no known consistent wintering or congregation sites in this region supporting notable numbers. Therefore, this species is screened out.	
132.	Swinhoe's Storm-petrel (<i>Hydrobates monorhis</i>) BirdLife International. 2018. <i>Hydrobates monorhis</i> . <i>The IUCN Red List of Threatened Species</i> 2018: e.T22698520A132651372. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22698520A132651372.en . Accessed on 29 May 2026.	IUCN: Near Threatened WPAA, 2023: NA Restricted Range: No Migrant: Yes	3 a, b	Swinhoe's Storm-petrel is a small pelagic seabird that breeds on offshore islands in East Asia and spends the non-breeding period over open ocean waters across the western Pacific and Indian Ocean. It is strongly associated with deep marine environments, rarely approaching land except at breeding sites. Although the species can occur in offshore waters of the Indian Ocean,	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				including occasionally near the Indian coastline, it is primarily recorded far out at sea, with only rare observations closer to shore typically during pelagic surveys or unusual conditions. The species may form loose feeding groups at sea, but these are highly mobile and not tied to specific coastal locations. There are no known breeding, roosting, or regular congregation sites along the Karnataka coast or within nearshore habitats relevant to terrestrial infrastructure. Therefore, this species is screened out.	
133.	Little Gull (<i>Hydrocoloeus minutus</i>) BirdLife International. 2018. <i>Hydrocoloeus minutus</i>. <i>The IUCN Red List of Threatened Species</i> 2018: e.T22694469A132554081. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694469A132554081.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Little Gull is a migratory species that breeds in northern Eurasia and winters in parts of Europe, Africa, and Asia. In India, it is primarily associated with coastal waters, large lakes, estuaries, and occasionally inland wetlands, but its occurrence is generally uncommon and irregular. Although it can form small flocks while feeding or roosting, especially over open water, these groups are typically limited in size and short-lived, reflecting the species' transient use of habitats during migration and wintering.	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				Within India, records are sporadic and localised, and in southern India, including Karnataka, the species is rare with only occasional sightings, often involving individual birds or very small groups. There are no known regular wintering or congregation sites in this region. Therefore, this species is screened out.	
134.	Caspian Tern (<i>Hydroprogne caspia</i>) BirdLife International. 2019. <i>Hydroprogne caspia</i> (amended version of 2018 assessment). <i>The IUCN Red List of Threatened Species</i> 2019: e.T22694524A155509311. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22694524A155509311.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Caspian Tern is a widespread waterbird that occurs across India in coastal habitats, estuaries, large lakes, reservoirs, and river systems. It is typically associated with large open water bodies, where it feeds on fish by plunge-diving. The species may be seen singly or in small to moderate groups, and occasionally in larger numbers at suitable roosting or feeding sites. However, compared to other tern species, it is generally less densely aggregated, with birds often spread out over large water surfaces. In Karnataka, the species is regularly recorded across multiple wetlands and coastal areas, but typically in low to moderate numbers at each site, without strong evidence of consistent high-density congregation at specific locations.	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				The species is unlikely to form large or significant congregations along the Project AoI. Therefore, this species is screened out.	
135.	Sooty Gull (<i>Larus hemprichii</i>) BirdLife International. 2018. <i>Larus hemprichii</i>. <i>The IUCN Red List of Threatened Species</i> 2018: e.T22694303A132539775. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694303A132539775.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Sooty Gull is a coastal species primarily associated with marine environments such as sandy beaches, rocky shores, estuaries, and fishing harbours, where it feeds on fish and marine invertebrates. The species is often seen in small to moderate groups, particularly around fishing activity or coastal roost sites, but these gatherings are typically localised and opportunistic, driven by food availability rather than long-term use of specific aggregation sites. Within India, its distribution is mainly along the western coastline, but it is generally more common in northwestern coastal regions (e.g., Gujarat). Along the Karnataka coast, it is present but not abundant, and numbers are usually limited to scattered individuals or small groups rather than large, persistent flocks. Therefore, this species is screened out.	Out
136.	Pallas's Gull (<i>Ichthyaetus ichthyaetus</i>)	IUCN: Least Concern	3 a, b	Pallas's Gull is a large migratory gull that breeds in Central Asia and winters mainly in northern and northwestern	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	BirdLife International. 2018. <i>Larus ichthyaetus</i> . <i>The IUCN Red List of Threatened Species</i> 2018: e.T22694379A132546308. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694379A132546308.en . Accessed on 29 May 2026.	WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes		parts of the Indian subcontinent, particularly along large rivers, reservoirs, and inland wetlands. The species is capable of forming moderate to large groups at key wintering areas, often alongside other gull species. However, its distribution within India is highly uneven, with most of the wintering population concentrated in northern plains and inland wetlands of western India, where suitable large water bodies are available. In southern India, including Karnataka, the species is uncommon and irregular, with only occasional records. It does not show evidence of consistent wintering sites or repeated high-density use in this region. Therefore, this species is screened out.	
137.	White-eyed Gull (<i>Ichthyaetus leucophthalmus</i>) BirdLife International. 2018. <i>Larus leucophthalmus</i> . <i>The IUCN Red List of Threatened Species</i> 2018: e.T22694299A132335382. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22694299A132335382.en . Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The White-eyed Gull is a regionally restricted seabird, largely confined to the Red Sea and Gulf of Aden, where it breeds on islands and forages along nearby coastal waters. Its global range is limited compared to most gull species, qualifying it under restricted-range considerations. Outside its core range, occurrences are extremely rare, with only occasional vagrancy reported further	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				east into the Arabian Sea. There is no regular distribution along the Indian coastline, and no records indicating consistent presence along the Karnataka coast. The species is typically associated with coastal marine habitats near breeding colonies, and its ecology is closely tied to those specific regions rather than broad dispersal across the Indian Ocean. Therefore, this species is screened out.	
138.	Lesser Black-backed Gull (<i>Larus fuscus</i>) BirdLife International. 2019. <i>Larus fuscus</i> (errata version published in 2023). <i>The IUCN Red List of Threatened Species</i> 2019: e.T22694373A211737029. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Lesser Black-backed Gull is a migratory species that breeds across Europe and Asia and winters mainly along coastal regions, ports, estuaries, and large inland water bodies. Within India, its occurrence is limited and irregular, with most records coming from northwestern coastal regions and a few inland wetlands. It is not a widespread or dominant gull species in the country, and its presence tends to be sporadic rather than consistent. Where it does occur, it may be seen in small groups or mixed gull flocks, but not in the kind of large, site-dependent concentrations that characterize key congregation areas for some waterbirds.	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				In southern India, including Karnataka, the species is rare and only occasionally recorded, with no evidence of established wintering sites or repeated use of specific locations. The Project Aol largely encompasses terrestrial habitats. Significant congregations of the species are unlikely to occur along the Project Aol. The species is screened out.	
139.	Bar-tailed Godwit (<i>Limosa lapponica</i>) BirdLife International. 2025. <i>Limosa lapponica</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693158A255455690. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693158A255455690.en. Accessed on 29 May 2026.	IUCN: Near Threatened WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Bar-tailed Godwit is a long-distance migratory shorebird that breeds in the Arctic and winters along coastal mudflats, estuaries, and intertidal wetlands across South Asia and beyond. It is known for forming large flocks at key staging and wintering sites, particularly in major coastal systems. Globally and regionally, certain sites support significant aggregations, but these are typically well-known, highly productive intertidal areas that function as critical stopover or wintering zones. Within India, the species shows stronger occurrence along major coastal regions such as Gujarat and parts of the east coast, where extensive mudflats are available. Along the Karnataka coast, however, suitable habitats are more limited and fragmented, and the species is	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				uncommon with relatively low numbers recorded, usually in small groups rather than large aggregations. The Project AoI largely encompasses terrestrial habitats. Significant congregations of the species are unlikely to occur along the Project AoI. The species is screened out.	
140.	Black-tailed Godwit (<i>Limosa limosa</i>) BirdLife International. 2025. <i>Limosa limosa</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693150A154733209. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693150A154733209.en. Accessed on 29 May 2026.	IUCN: Near Threatened WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Black-tailed Godwit is a migratory shorebird that breeds in Europe and Asia and winters in South Asia, including India. It primarily uses freshwater wetlands, floodplains, marshes, and agricultural fields such as paddy, rather than strictly coastal habitats. The species can form large flocks at important wintering sites, particularly in northern India, where extensive wetlands and agricultural landscapes support substantial congregations. These areas can hold regionally significant numbers during the winter months. However, its distribution across India is strongly uneven, with the bulk of the population concentrated in northern and central regions. In southern India, including Karnataka, the species is present in smaller numbers and more dispersed, typically occurring in scattered wetlands and agricultural	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				fields rather than forming large, stable aggregations. Within Karnataka, records indicate use of multiple wetlands and farmland patches, with numbers varying based on seasonal conditions such as water availability. There is no clear evidence of consistent high-density use of specific sites that would indicate ecological importance at a broader scale. The Project Aol largely encompasses terrestrial habitats. Significant congregations of the species are unlikely to occur along the Project Aol. The species is screened out.	
141.	Jack Snipe (<i>Lymnocryptes minimus</i>) BirdLife International. 2025. <i>Lymnocryptes minimus</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693133A281852490. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693133A281852490.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Jack Snipe is a small migratory wader that winters in parts of India, using wet grasslands, marshes, paddy fields, and damp low-lying areas with dense vegetation cover. It prefers soft, muddy substrates with good concealment, often similar habitats to other snipe species. The species is highly solitary and extremely cryptic, typically remaining hidden within vegetation and relying on camouflage rather than flight when disturbed. Unlike most shorebirds, it does not form flocks, and even where multiple individuals occur, they are	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				widely spaced and behave independently. In India, the species is uncommon and patchily distributed, with most records coming from northern and eastern regions. In southern India, including Karnataka, it is rare and irregular, with very few confirmed observations, usually involving single individuals. The species is screened out.	
142.	Eurasian Wigeon (<i>Mareca Penelope</i>) BirdLife International. 2025. <i>Mareca penelope</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22680157A281853446. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22680157A281853446.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Eurasian Wigeon is a migratory dabbling duck that winters across India, favouring large freshwater wetlands such as lakes, reservoirs, marshes, and occasionally brackish lagoons, where it feeds primarily on aquatic vegetation. The species can form moderate to large flocks at suitable wetlands, particularly in winter, and is often associated with other waterfowl. However, these flocks are typically distributed across numerous water bodies, with numbers fluctuating depending on seasonal water availability and habitat conditions. Within India, higher concentrations are generally observed in northern and western regions, where extensive wetlands support larger wintering populations. In Karnataka, the species is present but less abundant, occurring	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				in scattered wetlands and reservoirs, usually in modest numbers rather than forming large, site-dominant flocks. The Project Aol largely encompasses terrestrial habitats. Significant congregations of the species are unlikely to occur along the Project Aol. The species is screened out.	
143.	Slaty-legged Crake (<i>Rallina eurizonoides</i>) BirdLife International. 2020. <i>Rallina eurizonoides</i> . <i>The IUCN Red List of Threatened Species</i> 2020: e.T22692317A181757127. https://dx.doi.org/10.2305/IUCN.UK.2020-3.RLTS.T22692317A181757127.en . Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	It is a widely distributed rail species occurring across South, Southeast, and East Asia. According to BirdLife International, it has a large geographic range extending from the Indian subcontinent through Southeast Asia to the Philippines and Indonesia ¹³⁸¹³⁹ . The Project Aol largely encompasses terrestrial habitats. Significant congregations of the species are unlikely to occur along the Project Aol. The species is screened out.	Out
144.	Persian Shearwater (<i>Puffinus persicus</i>) BirdLife International. 2019. <i>Puffinus persicus</i> (amended version of 2018 assessment). <i>The IUCN Red List of Threatened Species</i> 2019: e.T22698267A155532631. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22698267A155532631.en . Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No	3 a, b	It is a pelagic seabird distributed primarily in the northern Indian Ocean, including the Arabian Sea, Gulf of Oman, Red Sea, and western Indian Ocean. According to BirdLife International, it is a full migrant with localised breeding colonies on oceanic islands such as the Khuriya Muriya	Out

¹³⁸ *Rallina eurizonoides* (Lafresnaye, 1845) in GBIF Secretariat (2023). GBIF Backbone Taxonomy. Checklist dataset <https://doi.org/10.15468/39omei> accessed via GBIF.org on 2026-05-29.

¹³⁹ BirdLife International. 2020. *Rallina eurizonoides*. *The IUCN Red List of Threatened Species* 2020: e.T22692317A181757127. <https://dx.doi.org/10.2305/IUCN.UK.2020-3.RLTS.T22692317A181757127.en>. Accessed on 29 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
		Migrant: Yes		Islands (Oman), Socotra (Yemen), and the Comoros ¹⁴⁰ . As it is a pelagic marine species that occurs in offshore waters of the Arabian Sea, it is highly unlikely to be impacted and is thereby screened out.	
145.	Painted Sandgrouse (<i>Pterocles indicus</i>) BirdLife International. 2024. <i>Pterocles indicus</i> . <i>The IUCN Red List of Threatened Species</i> 2024: e.T22693025A263652174. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22693025A263652174.en . Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	The Painted Sandgrouse is a South Asian endemic species with a distribution confined primarily to India and Pakistan. It has a moderately large but regionally restricted range and occurs as a resident breeding species throughout its distribution, with no significant migratory movements. The species is strongly associated with arid and semi-arid habitats, including dry grasslands, scrub, and rocky plains, where it exhibits local movements in response to water availability. In India, it is widespread across western, central, and peninsular regions, forming the core of its global population ¹⁴¹ . Significant congregations of the species are unlikely to occur along the Project Aol. The species is screened out..	Out

¹⁴⁰ BirdLife International. 2021. *Sypheotides indicus*. *The IUCN Red List of Threatened Species* 2021: e.T22692024A199959007. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T22692024A199959007.en>. Accessed on 14 April 2026.

¹⁴¹ BirdLife International. 2024. *Pterocles indicus*. *The IUCN Red List of Threatened Species* 2024: e.T22693025A263652174. <https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22693025A263652174.en>. Accessed on 29 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
146.	Chestnut-bellied Sandgrouse (<i>Pterocles exustus</i>) BirdLife International. 2018. <i>Pterocles exustus</i> . <i>The IUCN Red List of Threatened Species</i> 2018: e.T22692990A132063215. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22692990A132063215.en . Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	<i>Pterocles exustus</i> has a native range encompassing Mauritania, Senegal, Gambia, Mali, Niger, Chad, Sudan, Eritrea, Ethiopia, Somalia, Kenya, Tanzania, Saudi Arabia, Yemen, Oman, the United Arab Emirates, Iran, Pakistan and India ¹⁴² . Significant congregations of the species are unlikely to occur along the Project Aol. The species is screened out.	Out
147.	Red-naped Ibis (<i>Pseudibis papillosa</i>) BirdLife International. 2025. <i>Pseudibis papillosa</i> . <i>The IUCN Red List of Threatened Species</i> 2025: e.T22697528A280944786. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22697528A280944786.en . Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	It is a widespread resident species endemic to the Indian subcontinent, occurring primarily in India, Pakistan, and Nepal. The species has a large extent of occurrence and is non-migratory, maintaining year-round breeding populations throughout its range ¹⁴³ . The Project Aol largely encompasses terrestrial habitats. Significant congregations of the species are unlikely to occur along the Project Aol. The species is screened out..	Out
148.	Spotted Crake (<i>Porzana porzana</i>) BirdLife International. 2025. <i>Porzana porzana</i> . <i>The IUCN Red List of Threatened Species</i> 2025:	IUCN: Least Concern	3 a, b	The Spotted Crake is a small migratory rail with a wide Palearctic–Afrotropical distribution. It breeds in marshes and sedge beds across temperate Europe and western Asia and undertakes	Out

¹⁴² BirdLife International. 2018. *Pterocles exustus*. *The IUCN Red List of Threatened Species* 2018: e.T22692990A132063215. <https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22692990A132063215.en>. Accessed on 29 May 2026.

¹⁴³ BirdLife International. 2025. *Pseudibis papillosa*. *The IUCN Red List of Threatened Species* 2025: e.T22697528A280944786. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22697528A280944786.en>. Accessed on 29 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	e.T22692676A280991186. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22692676A280991186.en . Accessed on 29 May 2026.	WPAA, 2023: Schedule II Restricted Range: No Migrant: No		long-distance migration to winter in sub-Saharan Africa, the Middle East, and parts of South Asia, including India. According to BirdLife International (2025), it is a full migrant with a very large extent of occurrence. The species is closely associated with shallow freshwater wetlands characterized by dense emergent vegetation. In India, it occurs as a scarce winter visitor or passage migrant, mainly in suitable wetland habitats ¹⁴⁴ . It occurs very rarely in Karnataka, with only a few scattered records and no evidence of regular occurrence or aggregation. The species is therefore screened out.	
149.	Black-bellied Plover (<i>Pluvialis squatarola</i>) BirdLife International. 2024. <i>Pluvialis squatarola</i> . <i>The IUCN Red List of Threatened Species</i> 2024: e.T22693749A254375039. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22693749A254375039.en . Accessed on 29 May 2026.	IUCN: Vulnerable WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	Breeds in Arctic Russia from the Kanin Peninsula to Chukotskiy and Anadyrskaya, and Alaska, USA, to Melville Peninsula and Baffin Island (Canada). Birds winter widely on coastlines of North and South America, Europe, Africa, South Asia, South-East Asia and Australasia, with birds occurring in virtually every country when on migration ¹⁴⁵ .	Out

¹⁴⁴ BirdLife International. 2025. *Porzana porzana*. *The IUCN Red List of Threatened Species* 2025: e.T22692676A280991186. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22692676A280991186.en>. Accessed on 29 May 2026.

¹⁴⁵ BirdLife International. 2024. *Pluvialis squatarola*. *The IUCN Red List of Threatened Species* 2024: e.T22693749A254375039. <https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22693749A254375039.en>. Accessed on 29 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				It is primarily a coastal species associated with intertidal mudflats and shorelines, with records in Karnataka largely restricted to coastal areas. Overlap of the Project Aol with suitable habitats is unlikely and is thereby screened out.	
150.	Pacific Golden-Plover (<i>Pluvialis fulva</i>) BirdLife International. 2025. <i>Pluvialis fulva</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22693735A282528168. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693735A282528168.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	Breeds in Arctic Russia from the Kanin Peninsula to Chukotskiy and Anadyrskaya, and Alaska, USA, to Melville Peninsula and Baffin Island (Canada). Birds winter widely on coastlines of North and South America, Europe, Africa, South Asia, South-East Asia and Australasia, with birds occurring in virtually every country when on migration¹⁴⁶. It is a coastal species associated with intertidal mudflats and shorelines, with records in Karnataka largely restricted to coastal areas. Overlap with suitable habitats in the Project Aol is absent and the species is screened out.	Out
151.	Glossy Ibis (<i>Plegadis falcinellus</i>) BirdLife International. 2025. <i>Plegadis falcinellus</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22697422A281858334. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22697422A281858334.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II	3 a, b	The Glossy Ibis is a cosmopolitan wetland bird with a vast global distribution across Europe, Africa, Asia, Australia, and the Americas. It breeds in warm regions and exhibits partial to long-distance migratory	Out

¹⁴⁶ BirdLife International. 2025. *Pluvialis fulva*. *The IUCN Red List of Threatened Species* 2025: e.T22693735A282528168. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22693735A282528168.en>. Accessed on 29 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	K.2025-2.RLTS.T22697422A281858334.en . Accessed on 29 May 2026.	Restricted Range: No Migrant: Yes		behavior, with European populations wintering in Africa and American populations migrating to Central and South America ¹⁴⁷ . It is a wetland-dependent species that occurs widely across Karnataka in common habitats such as wetlands and agricultural fields. The Project Aol largely encompasses terrestrial habitats. Significant congregations of the species are unlikely to occur along the Project Aol. The species is screened out.	
152.	Greater Flamingo (<i>Phoenicopterus roseus</i>) BirdLife International. 2019. <i>Phoenicopterus roseus</i> (amended version of 2018 assessment). <i>The IUCN Red List of Threatened Species</i> 2019: e.T22697360A155527405. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22697360A155527405.en . Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	It is a widespread Old World species occurring from West Africa eastwards through the Mediterranean basin, the Middle East and Central Asia to the Indian subcontinent, with additional populations across sub-Saharan Africa and parts of South-West Asia. It is largely resident or partially migratory, with movements linked to water availability, and regularly winters in South Asia, including India and adjacent regions ¹⁴⁸ . Although suitable habitats exist in the state, the Project Aol largely encompasses terrestrial habitats. Significant congregations of the	Out

¹⁴⁷ BirdLife International. 2025. *Plegadis falcinellus*. *The IUCN Red List of Threatened Species* 2025: e.T22697422A281858334. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22697422A281858334.en>. Accessed on 29 May 2026.

¹⁴⁸ BirdLife International. 2019. *Phoenicopterus roseus* (amended version of 2018 assessment). *The IUCN Red List of Threatened Species* 2019: e.T22697360A155527405. <https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22697360A155527405.en>. Accessed on 29 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				species are unlikely to occur along the Project Aol. The species is screened out..	
153.	Eurasian Spoonbill (<i>Platalea leucorodia</i>) BirdLife International. 2025. <i>Platalea leucorodia</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22697555A281857155. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22697555A281857155.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	It is a widespread Old World species across Europe, Africa and Asia, with migratory populations wintering south into regions including India, where it is widely distributed across northern, western and peninsular wetlands. It favours shallow inland and coastal wetlands such as marshes, floodplains, lakes, estuaries and tidal flats, and may also use artificial wetlands where suitable feeding conditions occur¹⁴⁹. It is a wetland-dependent species that occurs across Karnataka in a range of common wetland habitats. The Project Aol largely encompasses terrestrial habitats. Significant congregations of the species are unlikely to occur along the Project Aol. The species is screened out.	Out
154.	Lesser Flamingo (<i>Phoeniconaias minor</i>) BirdLife International. 2018. <i>Phoeniconaias minor</i>. <i>The IUCN Red List of Threatened Species</i> 2018: e.T22697369A129912906. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22697369A129912906.en. Accessed on 29 May 2026.	IUCN: Near Threatened WPAA, 2023: Schedule II	3 a, b	It occurs across sub-Saharan Africa and into the Middle East and South Asia, with a major Asian population in India and Pakistan; within India it is mainly concentrated in north-western regions (especially the Rann of	Out

¹⁴⁹ BirdLife International. 2025. *Platalea leucorodia*. *The IUCN Red List of Threatened Species* 2025: e.T22697555A281857155. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22697555A281857155.en>. Accessed on 29 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	K.2018-2.RLTS.T22697369A129912906.en . Accessed on 29 May 2026.	Restricted Range: No Migrant: Yes		Kachchh in Gujarat) with seasonal dispersal to coastal and inland wetlands such as Maharashtra and other suitable sites ¹⁵⁰ . The species occurs extremely rarely in the region, with only isolated records and no evidence of regular occurrence or congregations. It is therefore is screened out.	
155.	Indian Cormorant (<i>Phalacrocorax fuscicollis</i>) BirdLife International. 2018. <i>Phalacrocorax fuscicollis</i> . The IUCN Red List of Threatened Species 2018: e.T22696779A132592646. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22696779A132592646.en . Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	It is a resident species widely distributed across the Indian subcontinent and Southeast Asia, occurring from Pakistan and India eastwards to Myanmar, Thailand and Cambodia. In India, it is widespread across the plains and wetlands, especially in peninsular and northern regions, where it is closely associated with inland water bodies ¹⁵¹ . The Indian Cormorant is a common and widespread species that occurs across Karnataka in a variety of freshwater habitats, including rivers, lakes, and reservoirs. The Project Aol largely encompasses terrestrial habitats. Significant congregations of the species are unlikely to occur along the Project Aol. The species is screened out.	Out

¹⁵⁰ BirdLife International. 2018. *Phoeniconaias minor*. The IUCN Red List of Threatened Species 2018: e.T22697369A129912906. <https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22697369A129912906.en>. Accessed on 29 May 2026.

¹⁵¹ BirdLife International. 2018. *Phalacrocorax fuscicollis*. The IUCN Red List of Threatened Species 2018: e.T22696779A132592646. <https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22696779A132592646.en>. Accessed on 29 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
156.	Great Cormorant (<i>Phalacrocorax fuscicollis</i>) BirdLife International. 2019. <i>Phalacrocorax carbo</i> (amended version of 2018 assessment). <i>The IUCN Red List of Threatened Species</i> 2019: e.T22696792A155523636. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22696792A155523636.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	This species has an extremely large distribution, being found on every continent except South America and Antarctica. Summer breeding occurs in patches through much of central Asia up to eastern PRC, year-round wintering occurs in India and southern PRC, and birds can be found wintering in south-east Asia¹⁵². The Great Cormorant is a common and widespread species occurring across Karnataka in a wide range of freshwater and coastal habitats. The Project Aol largely encompasses terrestrial habitats. Significant congregations of the species are unlikely to occur along the Project Aol. The species is screened out.	Out
157.	Spot-billed Pelican (<i>Pelecanus philippensis</i>) BirdLife International. 2017. <i>Pelecanus philippensis</i>. <i>The IUCN Red List of Threatened Species</i> 2017: e.T22697604A117970266. https://dx.doi.org/10.2305/IUCN.UK.2017-3.RLTS.T22697604A117970266.en. Accessed on 29 May 2026.	IUCN: Near Threatened WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	The Spot-billed Pelican is distributed across southern Asia, historically ranging from Iran and the Indian subcontinent eastwards to Southeast Asia and Indonesia, with its current strongholds in peninsular India, Sri Lanka and parts of Cambodia. The species is largely resident in India, with breeding populations concentrated in southern states and scattered occurrences elsewhere, typically	Out

¹⁵² BirdLife International. 2019. *Phalacrocorax carbo* (amended version of 2018 assessment). *The IUCN Red List of Threatened Species* 2019: e.T22696792A155523636. <https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22696792A155523636.en>. Accessed on 29 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				associated with large inland wetlands, reservoirs and coastal lagoons ¹⁵³ . The Spot-billed Pelican occurs in localised clusters in parts of Karnataka, primarily associated with specific wetland and breeding sites. The Project Aol largely encompasses terrestrial habitats. Significant congregations of the species are unlikely to occur along the Project Aol. The species is screened out.	
158.	Rosy Starling (<i>Pastor roseus</i>) BirdLife International. 2025. <i>Pastor roseus</i> . <i>The IUCN Red List of Threatened Species</i> 2025: e.T22710881A281036698. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22710881A281036698.en . Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The Rosy Starling <i>Pastor roseus</i> is a migratory species that breeds in southeastern Europe and Central to West Asia and winters widely across the Indian subcontinent, where large populations occur seasonally across northern, western and peninsular regions ¹⁵⁴ . The Rosy Starling is a widespread and highly mobile migratory species that occurs across Karnataka in common agricultural and open habitats. Although it may form large flocks, it is unlikely to congregate along the project Aol and is screened out.	Out
159.	Sooty Tern (<i>Onychoprion fuscatus</i>)	IUCN: Least Concern	3 a, b	Occurrence records corroborate this view, forming a nearly continuous circum-equatorial belt of sightings and	Out

¹⁵³ BirdLife International. 2017. *Pelecanus philippensis*. *The IUCN Red List of Threatened Species* 2017: e.T22697604A117970266. <https://dx.doi.org/10.2305/IUCN.UK.2017-3.RLTS.T22697604A117970266.en>. Accessed on 29 May 2026.

¹⁵⁴ BirdLife International. 2025. *Pastor roseus*. *The IUCN Red List of Threatened Species* 2025: e.T22710881A281036698. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22710881A281036698.en>. Accessed on 29 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	BirdLife International. 2020. <i>Onychoprion fuscatus</i> . <i>The IUCN Red List of Threatened Species</i> 2020: e.T22694740A168895142. https://dx.doi.org/10.2305/IUCN.UK.2020-3.RLTS.T22694740A168895142.en . Accessed on 29 May 2026.	WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes		specimen records, with highest densities around major colony complexes: the Caribbean, the Gulf of Guinea–Cape Verde region, the Seychelles–Maldives–Chagos arc, the Coral Sea/Great Barrier Reef, and the central Pacific ¹⁵⁵ . Observations in the region are largely restricted to offshore areas and islands, with minimal association with the mainland. As the project is entirely terrestrial, there is no habitat overlap and is therefore screened out.	
160.	Bridled Tern (<i>Onychoprion anaethetus</i>) BirdLife International. 2019. <i>Onychoprion anaethetus</i> . <i>The IUCN Red List of Threatened Species</i> 2019: e.T22694730A154676367. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22694730A154676367.en . Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	<i>Onychoprion anaethetus</i> is a pantropical seabird breeding on scattered oceanic and coastal islands across the tropical Atlantic, Indian and western-central Pacific Oceans and dispersing over warm seas. In India it is a locally common breeder on the coral cays and sand islets of Lakshadweep and the Andaman–Nicobar and Gulf of Mannar archipelagos, with non-breeding birds widespread in offshore and near-shore waters all around the peninsular coasts, especially along the west coast and in the Lakshadweep–Maldives–Chagos sector ¹⁵⁶ .	Out

¹⁵⁵ BirdLife International. 2020. *Onychoprion fuscatus*. *The IUCN Red List of Threatened Species* 2020: e.T22694740A168895142. <https://dx.doi.org/10.2305/IUCN.UK.2020-3.RLTS.T22694740A168895142.en>. Accessed on 29 May 2026.

¹⁵⁶ BirdLife International. 2019. *Onychoprion anaethetus*. *The IUCN Red List of Threatened Species* 2019: e.T22694730A154676367. <https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T22694730A154676367.en>. Accessed on 29 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				Observations in the region are largely restricted to marine and coastal zones, with minimal use of terrestrial habitats. As the project is entirely land-based, there is no habitat overlap is therefore screened out.	
161.	Wilson's Storm-Petrel (<i>Oceanites oceanicus</i>) BirdLife International. 2018. <i>Oceanites oceanicus</i>. <i>The IUCN Red List of Threatened Species</i> 2018: e.T22698436A132646007. https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22698436A132646007.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	<i>Oceanites oceanicus</i> is an abundant circumpolar breeder on Antarctic and sub-Antarctic coasts and islands, dispersing during the austral winter across all three major oceans to pelagic waters as far north as the Arctic Circle. In India it occurs entirely as a non-breeding migrant, frequent over deep offshore waters of the Arabian Sea and Bay of Bengal—with regular records off Kerala, Tamil Nadu, Lakshadweep, Andaman–Nicobar and along the west-coast pelagic zone—and GBIF data include several at-sea observations within roughly 50–150 km of the Karnataka coastline (particularly off Mangaluru/Udupi), although no land-based sightings are documented from the state itself¹⁵⁷¹⁵⁸. Any regional observations are restricted to marine environments beyond the project footprint. As the project is entirely land-based, there is	Out

¹⁵⁷ BirdLife International. 2018. *Oceanites oceanicus*. *The IUCN Red List of Threatened Species* 2018: e.T22698436A132646007. <https://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22698436A132646007.en>. Accessed on 29 May 2026.

¹⁵⁸ *Oceanites oceanicus* (Kuhl, 1820) in GBIF Secretariat (2023). GBIF Backbone Taxonomy. Checklist dataset <https://doi.org/10.15468/39omej> accessed via GBIF.org on 2026-05-29.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				no habitat overlap. It is therefore screened out.	
162.	Eurasian Curlew (<i>Numenius arquata</i>) BirdLife International. 2017. <i>Numenius arquata</i>. <i>The IUCN Red List of Threatened Species</i> 2017: e.T22693190A117917038. https://dx.doi.org/10.2305/IUCN.UK.2017-3.RLTS.T22693190A117917038.en. Accessed on 29 May 2026.	IUCN: Near Threatened WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The species is a winter/passage migrant to India, where it occupies muddy coasts, bays and estuaries with tidal mudflats and sandflats, rocky and sandy beaches with many pools, mangroves, saltmarshes, coastal meadows and pasture and muddy shores of coastal lagoons, inland lakes and rivers. It also utilises wet grassland and arable fields during migration¹⁵⁹. The Eurasian Curlew is primarily a coastal species associated with intertidal habitats such as mudflats and estuaries, with records in Karnataka largely restricted to the coastal belt. The species is unlikely to form significant congregations along the Project Aol and is thereby screened out.	Out
163.	Cotton Pygmy-Goose (<i>Nettapus coromandelianus</i>) BirdLife International. 2024. <i>Nettapus coromandelianus</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22680090A264985851. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22680090A264985851.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II	3 a, b	The species breeds in Australia and Papua New Guinea and is a resident in a number of countries across south Asia. It occupies terrestrial freshwater ecosystems¹⁶⁰. Although the species may occur within the broader region, it is unlikely to form significant	Out

¹⁵⁹ BirdLife International. 2017. *Numenius arquata*. *The IUCN Red List of Threatened Species* 2017: e.T22693190A117917038. <https://dx.doi.org/10.2305/IUCN.UK.2017-3.RLTS.T22693190A117917038.en>. Accessed on 29 May 2026.

¹⁶⁰ BirdLife International. 2024. *Nettapus coromandelianus*. *The IUCN Red List of Threatened Species* 2024: e.T22680090A264985851. <https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22680090A264985851.en>. Accessed on 29 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
		Restricted Range: No Migrant: No		congregations in the project AoI and is thereby screened out.	
164.	Red-crested Pochard (<i>Netta rufina</i>) BirdLife International. 2025. <i>Netta rufina</i> . <i>The IUCN Red List of Threatened Species</i> 2025: e.T22680348A280995672. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22680348A280995672.en . Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: Yes	3 a, b	The species is a winter visitor to India amongst other countries. It occupies inland wetlands ¹⁶¹ . While suitable habitats are present, the species does not show regular occurrence, aggregation, or dependence on specific sites within the project area. It is therefore screened out.	Out
165.	Little Cormorant (<i>Microcarbo niger</i>) BirdLife International. 2024. <i>Microcarbo niger</i> . <i>The IUCN Red List of Threatened Species</i> 2024: e.T22696740A264972830. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22696740A264972830.en . Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	<i>Microcarbo niger</i> is a widespread resident waterbird occurring across the Indian Subcontinent and much of South and Southeast Asia. In India, it is a common year-round breeder found in a wide range of freshwater habitats, including lakes, reservoirs, wetlands, rivers, rice fields, and coastal lagoons. In Karnataka, the species is widely distributed and commonly recorded from urban lakes, reservoirs, wetlands, and coastal estuaries throughout the state ¹⁶² . Its continuous distribution and use of abundant, non-specialised habitats indicate that it is not dependent on specific sites within the	Out

¹⁶¹ BirdLife International. 2025. *Netta rufina*. *The IUCN Red List of Threatened Species* 2025: e.T22680348A280995672. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22680348A280995672.en>. Accessed on 29 May 2026.

¹⁶² BirdLife International. 2024. *Microcarbo niger*. *The IUCN Red List of Threatened Species* 2024: e.T22696740A264972830. <https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22696740A264972830.en>. Accessed on 29 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				project Aol. The species is therefore screened out.	
166.	Bronze-winged Jacana (<i>Metopidius indicus</i>) BirdLife International. 2024. <i>Metopidius indicus</i>. <i>The IUCN Red List of Threatened Species</i> 2024: e.T22693547A264996291. https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22693547A264996291.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No Migrant: No	3 a, b	<i>Metopidius indicus</i> is a widespread resident wetland bird distributed across South and Southeast Asia. In India, it occurs throughout much of the country in freshwater marshes, lakes, ponds, rice fields, and slow-flowing rivers. In Karnataka, the species is commonly recorded from urban lakes, reservoirs, and coastal and inland wetlands, indicating a broad distribution across the state wherever suitable vegetated wetland habitats are available¹⁶³. These are common and widely distributed across the landscape, and the species does not show dependence on particular sites within the project Aol. It is therefore unlikely to be significantly impacted and is screened out.	Out
167.	Gadwall (<i>Mareca strepera</i>) BirdLife International. 2025. <i>Mareca strepera</i>. <i>The IUCN Red List of Threatened Species</i> 2025: e.T22680149A154562590. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22680149A154562590.en. Accessed on 29 May 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: No	3 a, b	This species has a broad distribution across the Northern Hemisphere and occurs widely throughout India. It inhabits productive freshwater wetlands, including marshes, lakes, reservoirs, oxbow lakes, channels, and slow-flowing rivers, favouring shallow waters with abundant emergent vegetation for feeding and nesting. It may also occur in coastal wetlands	Out

¹⁶³ BirdLife International. 2024. *Metopidius indicus*. *The IUCN Red List of Threatened Species* 2024: e.T22693547A264996291. <https://dx.doi.org/10.2305/IUCN.UK.2024-2.RLTS.T22693547A264996291.en>. Accessed on 29 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
		Migrant: Yes		such as estuaries and lagoons, although less frequently. Within India, it is found in suitable wetland habitats across much of the country ¹⁶⁴ . The species is a wetland-dependent migratory species that occurs across Karnataka in scattered and low to moderate densities, primarily in common freshwater wetlands such as lakes and reservoirs. Given that the Project is unlikely to expand into wetlands where significant congregations of the species may occur, the species has been screened out.	
REPTILES					
168.	Gunther's Vine Snake (<i>Ahaetulla dispar</i>) Achyuthan, N.S. & Ganesh, S.R. 2021. <i>Ahaetulla dispar</i>. <i>The IUCN Red List of Threatened Species</i> 2021: e.T172589A158418422. https://dx.doi.org/10.2305/IUCN.UK.2021-2.RLTS.T172589A158418422.en. Accessed on 01 June 2026.	IUCN: Near Threatened WPAA, 2023: NA Restricted Range: Yes Migrant: No	2 a	Gunther's Vine Snake is a range-restricted species endemic to the southern Western Ghats, with confirmed distribution limited to Kerala and Tamil Nadu, where it inhabits shola forests, montane grasslands, and associated shrub habitats. The species is typically arboreal and solitary, occupying vegetation layers within high-elevation forest systems. Its distribution is geographically limited but confined to regions south of Karnataka, with no evidence of	Out

¹⁶⁴ BirdLife International. 2025. *Mareca strepera*. *The IUCN Red List of Threatened Species* 2025: e.T22680149A154562590. <https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T22680149A154562590.en>. Accessed on 29 May 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				occurrence within the Western Ghats sections of Karnataka. The mapped range lies entirely outside the project landscape, and there is no habitat overlap between the species' known distribution and areas traversed by the road. In this context, the species does not occur within or near the Project Aol. Therefore, this species is screened out.	
169.	Gund Day Gecko (<i>Cnemaspis heteropholis</i>) Srinivasulu, C. & Srinivasulu, B. 2013. <i>Cnemaspis heteropholis</i>. <i>The IUCN Red List of Threatened Species</i> 2013: e.T172616A1352766. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172616A1352766.en. Accessed on 01 June 2026.	IUCN: Near Threatened WPAA, 2023: NA Restricted Range: Yes Migrant: No	2 a	Gund Day Gecko is a Western Ghats endemic species with a restricted distribution along the coastal belt and western escarpment of Karnataka, placing it within the category of restricted-range species under Criterion 2. The species is a microhabitat specialist, typically occurring on rocky outcrops, lateritic plateaus, boulders, and forested slopes, where individuals occupy small, discrete habitat patches such as crevices and rock surfaces. It is usually observed as single individuals, reflecting a non-congregatory, spatially dispersed population structure. Available distribution data indicate that the species occurs in multiple discontinuous patches across the Western Ghats, particularly within	In

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				coastal and mid-elevation landscapes. This pattern suggests a network of localised populations distributed across a broader ecological zone, rather than concentration in a single stronghold.¹⁶⁵ The project route intersects portions of this Western Ghats belt where rocky and forested microhabitats are present, indicating that suitable habitat for the species lies within the project footprint. Given the species' restricted global distribution and the overlap with its natural habitat, it satisfies the conditions of Criterion 2 for restricted-range species. Therefore, this species is screened in.	
170.	Nilgiri Dwarf Gecko (<i>Cnemaspis indica</i>) Srinivasulu, C. & Srinivasulu, B. 2013. <i>Cnemaspis indica</i>. <i>The IUCN Red List of Threatened Species</i> 2013: e.T172680A1365866. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172680A1365866.en. Accessed on 01 June 2026.	IUCN: Vulnerable WPAA, 2023: NA Restricted Range: Yes Migrant: No	2 a	Nilgiri Dwarf Gecko is a Western Ghats endemic species with a restricted geographic range, largely confined to the southern Western Ghats region. This clearly fits the definition of a restricted-range species under Criterion 2. The species is associated with specific rocky and forested microhabitats, and although individuals occur singly, the	In

¹⁶⁵ Ganesh, S.R., R. Sreekar, S.P. Pal, G. Ramchandra, C. Srinivasulu & B. Srinivasulu (2011). Discovery and first description of male *Cnemaspis heteropholis* Bauer, 2002 (Reptilia: Gekkonidae) from Agumbe, central Western Ghats, India. *Journal of Threatened Taxa* 3(8): 2023–2027.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				overall population is limited to a defined ecological region.¹⁶⁶ Given that the project intersects the Western Ghats landscape where this species occurs, the habitat falls within the global range of the species, and therefore qualifies as potential habitat for a restricted-range species under Criterion 2. At this stage, it is sufficient that the species meets the qualitative condition of being range-restricted and present in the project landscape, without evaluating population thresholds. Therefore, this species is screened in.	
171.	Das's Day Gecko (<i>Cnemaspis indraneildasii</i>) Srinivasulu, C. & Srinivasulu, B. 2013. <i>Cnemaspis indraneildasii</i>. <i>The IUCN Red List of Threatened Species</i> 2013: e.T172592A1348091. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172592A1348091.en. Accessed on 01 June 2026.	IUCN: Vulnerable WPAA, 2023: NA Restricted Range: Yes Migrant: No	2 a	Das's Day Gecko is a range-restricted species associated with the Western Ghats, with its distribution forming a long but narrow belt along the western coastal and escarpment regions of India, extending through parts of Maharashtra, Karnataka, and into the Nilgiri region. This restricted distribution places the species within the definition of a restricted-range species under Criterion 2. The species is a microhabitat specialist, typically occurring on rocky surfaces, lateritic plateaus, boulders,	In

¹⁶⁶ Pal, S., Mirza, Z. A., Dsouza, P., & Shanker, K. (2021). Diversifying on the Ark: Multiple new endemic lineages of dwarf geckos from the Western Ghats provide insights into the systematics and biogeography of South Asian *Cnemaspis* (Reptilia: Squamata). *Zoological Research*, 42(6), 675–691.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				and forested slopes, where it occupies small, discrete habitat patches such as crevices and exposed rock faces. Individuals are generally encountered singly, with populations structured as localised clusters tied to suitable microhabitats rather than continuous densities.¹⁶⁷ The mapped distribution indicates that although the range is linear and geographically constrained, it spans a continuous ecological corridor along the Western Ghats, with populations distributed across multiple habitat patches within this belt rather than being confined to a few isolated sites. The project route intersects portions of this Western Ghats landscape where rocky and forested habitats are present, bringing it within the known global range of the species. Given this overlap and the species' restricted distribution, it fits the definition of a restricted-range species occurring within the project landscape under Criterion 2. Therefore, this species is screened in.	
172.	Jerdon's Day Gecko (<i>Cnemaspis jerdonii</i>)	IUCN: Vulnerable	2 a	Jerdon's Day Gecko is a range-restricted species occurring in the southern Western Ghats of India,	In

¹⁶⁷ Saunak Pal, Zeeshan A. Mirza, Princia Dsouza, Kartik Shanker. 2021. Diversifying on the Ark: multiple new endemic lineages of dwarf geckos from the Western Ghats provide insights into the systematics and biogeography of South Asian *Cnemaspis* (Reptilia: Squamata). *Zoological Research*, 42(6): 675-691.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	Srinivasulu, C. & Srinivasulu, B. 2013. <i>Cnemaspis jerdonii</i> . <i>The IUCN Red List of Threatened Species</i> 2013: e.T172630A1355610. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172630A1355610.en . Accessed on 01 June 2026.	WPAA, 2023: NA Restricted Range: Yes Migrant: No		placing it within the category of restricted-range species under Criterion 2. It is associated with rocky substrates, forested slopes, and boulder-rich habitats, where individuals occupy small, localised microhabitats such as crevices and rock faces. Like other <i>Cnemaspis</i> species, it is solitary in behaviour, with populations structured as scattered individuals linked to suitable habitat patches rather than forming aggregations. The distribution map indicates a defined but regionally continuous population across the southern Western Ghats, rather than an isolated or point-based occurrence. This suggests a landscape-level distribution across a limited geographic zone, with multiple habitat patches supporting the species within this belt.¹⁶⁸ Given this restricted geographic extent and the presence of suitable rocky and forested habitats within the Western Ghats sections traversed by the project, the species falls within the scope of Criterion 2 as a restricted-range species occurring in the project landscape.	

¹⁶⁸ Pal, S., Mirza, Z. A., Dsouza, P., & Shanker, K. (2021). Diversifying on the Ark: Multiple new endemic lineages of dwarf geckos from the Western Ghats provide insights into the systematics and biogeography of South Asian *Cnemaspis* (Reptilia: Squamata). *Zoological Research*, 42(6), 675–691.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				Therefore, this species is screened in.	
173.	Coastal Day Gecko (<i>Cnemaspis littoralis</i>) Srinivasulu, C. & Srinivasulu, B. 2013. <i>Cnemaspis littoralis</i>. <i>The IUCN Red List of Threatened Species</i> 2013: e.T172597A1348986. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172597A1348986.en. Accessed on 01 June 2026.	IUCN: Data deficient WPAA, 2023: NA Restricted Range: Yes Migrant: No	2 a	Coastal Day Gecko is a range-restricted species confined to the southern Western Ghats, with a highly localised and disjunct distribution across two separated regions—one in northern Kerala and another in the Agasthyamalai landscape. This limited and fragmented geographic range places the species within the definition of a restricted-range species under Criterion 2. The species is a microhabitat specialist, associated with rocky outcrops, lateritic formations, and forested hill slopes, where it occupies small crevices and rock surfaces. It is typically encountered as solitary individuals, and populations are structured as isolated clusters tied to specific habitat patches, rather than continuous distributions. The mapped distribution highlights a pattern of spatially separated population units, suggesting limited connectivity and strong dependence on localised habitat conditions within a narrow ecological zone. The project traverses parts of the Western Ghats landscape that include similar rocky and forested habitats, bringing sections of the route within	In

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				the broader ecological settings where this species occurs. Given its restricted and fragmented distribution, and the overlap with habitats along the project corridor, the species satisfies the conditions of Criterion 2 as a restricted-range species occurring within the project landscape. Therefore, this species is screened in.	
174.	Mysore Day Gecko (<i>Cnemaspis mysoriensis</i>) Srinivasulu, C. & Srinivasulu, B. 2013. <i>Cnemaspis mysoriensis</i>. <i>The IUCN Red List of Threatened Species</i> 2013: e.T194096A2298136. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T194096A2298136.en. Accessed on 01 June 2026.	IUCN: Least Concern WPAA, 2023: NA Restricted Range: Yes Migrant: No	2 a	Mysore Day Gecko is a range-restricted species with distribution largely confined to southern India, particularly the interior landscapes of southern Karnataka and adjoining regions, placing it within the definition of a restricted-range species under Criterion 2. Unlike many other <i>Cnemaspis</i> species that are confined to high-elevation or coastal Western Ghats, this species occurs inland across the Mysore plateau and adjacent hill ranges, typically associated with rocky outcrops, dry forest edges, and boulder-rich habitats. It occupies microhabitats such as crevices, exposed rock faces, and tree bases, and individuals are generally observed singly, reflecting a dispersed population structure. The mapped distribution shows a relatively continuous and well-defined	In

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				geographic range, indicating that the species is widely but locally distributed within a confined region, rather than being restricted to isolated fragments. This suggests a landscape-level presence within suitable habitat zones across southern Karnataka.¹⁶⁹ Given that the project route traverses parts of this southern Karnataka landscape where rocky and scrub–forest habitats are present, it lies within the known distribution range of the species, bringing it under Criterion 2 as a restricted-range species occurring within the project area. Therefore, this species is screened in.	
175.	Deccan banded gecko (<i>Cyrtodactylus albofasciatus</i>) Srinivasulu, C. & Srinivasulu, B. 2018. <i>Cyrtodactylus albofasciatus</i> (amended version of 2013 assessment). <i>The IUCN Red List of Threatened Species</i> 2018: e.T194099A136377967. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T194099A136377967.en. Accessed on 01 June 2026.	IUCN: Least Concern WPAA, 2023: Schedule II Restricted Range: Yes Migrant: No	2 a	Deccan banded gecko is a range-restricted species occurring along the western coastal belt of India, with its distribution aligned closely with the Western Ghats escarpment and Konkan-Karnataka coastal region. This limited geographic extent places the species within the definition of a restricted-range species under Criterion 2. The species is associated with rocky habitats, lateritic outcrops, forested slopes, and human-modified structures such as old buildings, reflecting a	In

¹⁶⁹ Giri, V. B., Agarwal, I., & Bauer, A. M. (2009). Designation of a neotype for *Cnemaspis mysoriensis* (Jerdon 1853) (Sauria: Gekkonidae), with a redescription and notes on its distribution and habitat. *Russian Journal of Herpetology*, 16(4), 256–264.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				degree of ecological flexibility within a defined habitat type. It is typically nocturnal and solitary, occupying crevices, rock surfaces, and sheltered microhabitats, with individuals dispersed across suitable substrate conditions. The mapped distribution indicates a continuous but narrow corridor along the western margin of peninsular India, suggesting that populations are widely distributed within this belt but confined to a specific ecological zone, rather than extending inland or beyond the Ghats–coastal interface. This distribution overlaps directly with Western Ghats and coastal sections encountered along the project route, where rocky substrates and forest-edge habitats are present. In this setting, the species clearly falls within the restricted-range category occurring within the project landscape. Therefore, this species is screened in.	
176.	Bangalore Geckoella (<i>Cyrtodactylus srilekhae</i>) Ganesh, S.R. & Mohapatra, P. 2021. <i>Cyrtodactylus srilekhae</i>. <i>The IUCN Red List of Threatened Species</i> 2021: e.T127941283A127941294. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T127941283A127941294.en. Accessed on 01 June 2026.	IUCN: Near Threatened WPAA, 2023: Schedule I	2 a	Bangalore Geckoella is a highly range-restricted species confined to a small inland region of southern India, centered around the Bengaluru–Tumakuru–Krishnagiri landscape. This limited geographic extent places the species within the definition of a	In

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
		Restricted Range: Yes Migrant: No		restricted-range species under Criterion 2. The species is associated with rocky outcrops, scrub forests, and dry forest habitats, typically occurring at low to moderate elevations within the Deccan plateau–Ghats transition zone. It is a nocturnal and ground-associated gecko, occupying crevices, boulder fields, and leaf-littered substrates, and is generally encountered as solitary individuals, reflecting a dispersed population structure. The mapped distribution shows a very compact and localised range, forming a single, well-defined population zone rather than multiple scattered or linear patches seen in other species. This suggests a strong geographic confinement to a narrow ecological and climatic zone, with limited spread beyond this region.¹⁷⁰ The project route passes through parts of this southern Karnataka landscape where suitable rocky and scrub habitats occur, placing it within the known distribution range of the species. Given its highly restricted range and overlap with habitats along the project corridor, the species falls	

¹⁷⁰ Agarwal, Ishan & Thackeray, Tejas & Khandekar, Akshay. (2023). Two new spotted species of the *Cyrtodactylus* (*Geckoella*) *collegalensis* (Beddome, 1870) complex from the south-eastern coast of India (Reptilia: Squamata). *Vertebrate Zoology*. 73. 475-498. 10.3897/vz.73.e102602.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				clearly under Criterion 2 as a restricted-range species occurring within the project area. Therefore, this species is screened in.	
177.	Boulenger's Dasia (<i>Dasia subcaerulea</i>) Srinivasulu, C. & Srinivasulu, B. 2013. <i>Dasia subcaerulea</i>. <i>The IUCN Red List of Threatened Species</i> 2013: e.T172629A1355400. https://dx.doi.org/10.2305/IUCN.UK.2013-2.RLTS.T172629A1355400.en. Accessed on 01 June 2026.	IUCN: Endangere d WPAA, 2023: NA Restricted Range: Yes Migrant: No	1 a; 2 a	Boulenger's Dasia is a range-restricted skink endemic to the southern Western Ghats, with confirmed distribution limited to high-elevation forested regions of Kerala and Tamil Nadu. It is associated with evergreen and semi-evergreen forest habitats, where it occupies arboreal and rocky microhabitats, typically as solitary individuals. Although the species qualifies as Endangered (EN) and is also geographically restricted, its distribution is confined entirely to regions south of Karnataka, with no evidence of occurrence within the Western Ghats segments of Karnataka where the project is located. The mapped range does not overlap with the project landscape, and suitable habitats within Karnataka fall outside the known distribution of the species. In the absence of geographic overlap, the species does not meet the conditions for triggering Critical Habitat criteria in relation to this project.	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				Therefore, this species is screened out.	
178.	Ashok's bronzeback tree snake (<i>Dendrelaphis ashoki</i>) Srinivasulu, C., Srinivasulu, B. & Deepak, V. 2013. <i>Dendrelaphis ashoki</i>. <i>The IUCN Red List of Threatened Species</i> 2013: e.T196006A2441448. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T196006A2441448.en. Accessed on 01 June 2026.	IUCN: Least Concern WPAA, 2023: Schedule-II Restricted Range: Yes Migrant: No	2 a	<i>Dendrelaphis ashoki</i> is a range-restricted species associated with the Western Ghats, with its distribution forming a continuous but narrow north–south belt along the western escarpment and adjoining coastal regions of India. This confined geographic extent places the species within the definition of a restricted-range species under Criterion 2. The species is typically found in evergreen and semi-evergreen forests, forest edges, and plantation landscapes, where it occupies the arboreal layer, moving through shrubs and tree canopies. It is generally encountered as solitary individuals, with populations distributed across suitable vegetation rather than forming clusters or aggregations. The mapped range indicates a well-defined ecological corridor along the Western Ghats, suggesting that populations are spread across this continuous habitat belt but remain restricted to it, without extension into inland plateau regions or eastern landscapes. This reflects a strong dependence on humid forest	In

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				ecosystems characteristic of the Ghats. The project route intersects sections of this Western Ghats landscape where forested and semi-natural habitats occur, placing it within the known distribution range of the species. In this context, the species clearly fits the definition of a restricted-range species occurring within the project area. Therefore, this species is screened in.	
179.	Karnataka Bronzeback (<i>Dendrelaphis chairecacos</i>) Deepak, V., Srinivasulu, C., Ganesan, S.R. & Srinivasulu, B. 2013. <i>Dendrelaphis chairecacos</i>. <i>The IUCN Red List of Threatened Species</i> 2013: e.T194916A2368397. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T194916A2368397.en. Accessed on 01 June 2026.	IUCN: Least Concern WPAA, 2023: Schedule-II Restricted Range: Yes Migrant: No	2 a	Karnataka Bronzeback is a range-restricted snake species occurring in parts of the Western Ghats and adjoining southern Indian landscapes, placing it within the definition of a restricted-range species under Criterion 2. The species is typically associated with forested habitats, including evergreen and semi-evergreen forests, plantation areas, and wooded edges, where it occupies the arboreal layer, moving through shrubs and tree canopies. Like other bronzebacks, it is generally solitary, with individuals distributed across suitable vegetation rather than forming aggregations. The mapped distribution shows a disjunct pattern, with two geographically separated population clusters; one in coastal Karnataka and	In

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				another in southern Tamil Nadu. This indicates that the species is not uniformly distributed across the Western Ghats, but instead confined to specific habitat zones with limited connectivity.¹⁷¹ Within Karnataka, the northern population lies along coastal and foothill regions intersected by the project landscape, where suitable forested habitats occur. This places the species within the geographic range and habitat envelope encountered along the project route. Therefore, this species is screened in.	
180.	Giri's Bronzeback Tree Snake (<i>Dendrelaphis giri</i>) Srinivasulu, C. & Srinivasulu, B. 2013. <i>Dendrelaphis giri</i>. <i>The IUCN Red List of Threatened Species</i> 2013: e.T42492034A42492040. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T42492034A42492040.en. Accessed on 01 June 2026.	IUCN: Least Concern WPAA, 2023: Schedule-II Restricted Range: Yes Migrant: No	2 a	Giri's Bronzeback Tree Snake is a range-restricted species associated with the Western Ghats, with recorded occurrences confined to a limited number of locations across western India. This restricted and discontinuous distribution places the species within the definition of a restricted-range species under Criterion 2. The species is typically associated with forested habitats, including evergreen and semi-evergreen forests and wooded edges, where it occupies the arboreal layer, moving through	In

¹⁷¹ Parmar, Dikansh & Thakur, Mehul & Singh, Amrut & Ganesh, S.R. & Vogel, Gernot. (2024). On the systematic position of the Western Ghats Bronzeback *Dendrelaphis chaireacacos* (Boie, 1827) (Squamata: Colubridae) with range extension to Gujarat. 9-11. 10.47605/tapro.v13i2.331.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				shrubs and tree canopies. It is generally observed as solitary individuals, with no evidence of aggregation, and is likely dependent on specific habitat conditions within forested landscapes. The mapped distribution indicates a highly fragmented pattern, with isolated population pockets separated by large intervening areas, rather than a continuous or broadly distributed range. This suggests that the species occurs in localised habitats with limited connectivity, and may be restricted to particular ecological niches within the Western Ghats region.¹⁷² With at least one of these occurrence zones falling within the Western Ghats and coastal Karnataka section, the species lies within the geographic scope of the project landscape, where suitable forested habitats are present. This overlap is sufficient to identify the species as a restricted-range species occurring within the project area. Therefore, this species is screened in.	
181.	Large-eyed bronzeback (<i>Dendrelaphis grandoculis</i>) Srinivasulu, C. & Srinivasulu, B. 2013. <i>Dendrelaphis grandoculis</i>. <i>The IUCN Red List of Threatened Species</i> 2013:	IUCN: Least Concern	2 a	The Large-eyed Bronzeback is a range-restricted species occurring along the southern section of the Western Ghats, with its distribution	In

¹⁷² Vogel, G. and Van Rooijen, J., 2011. A new species of *Dendrelaphis* (Serpentes: Colubridae) from the Western Ghats, India. *Taprobanica*, 3(2), pp.77–85

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	e.T176785A1445763. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T176785A1445763.en . Accessed on 01 June 2026.	WPAA, 2023: Schedule-II Restricted Range: Yes Migrant: No		forming a continuous but narrow corridor from coastal Karnataka through Kerala to southern Tamil Nadu, placing it within the definition of a restricted-range species under Criterion 2. The species is associated with evergreen and semi-evergreen forests, forest edges, and plantation landscapes, where it occupies the arboreal strata, moving through trees and shrubs. It is typically encountered as solitary individuals, with populations distributed across suitable habitat rather than forming localised aggregations. The mapped distribution reflects a geographically confined ecological corridor, indicating that the species is widely distributed within this belt but does not extend beyond it, highlighting a strong dependence on humid forest ecosystems characteristic of the Western Ghats.¹⁷³ Parts of the project route traverse coastal and foothill sections of the Western Ghats where similar vegetation and habitat conditions occur, bringing it within the recognised distribution range of the species. This overlap is sufficient to categorize the	

¹⁷³ Kalki, Yatin & Dholariya, Piyush & Huizinga, Robin & Giri, Ajay. (2020). Natural History Notes: DENDRELAPHIS GRANDOCULIS (Large-eyed Bronzeback Tree Snake). REPRODUCTION & CLUTCH SIZE.. Herpetological Review. 51. 142.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				species under Criterion 2 as a restricted-range species present within the project landscape. Therefore, this species is screened in.	
182.	Granite Half-toed Gecko (<i>Hemidactylus graniticolus</i>) <i>Srinivasulu, C. & Srinivasulu, B. 2013. Hemidactylus graniticolus. The IUCN Red List of Threatened Species 2013: e.T194267A2307494. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T194267A2307494.en. Accessed on 01 June 2026.</i>	IUCN: Least Concern WPAA, 2023: NA Restricted Range: Yes Migrant: No	2 a	<i>Hemidactylus graniticolus</i> is a gecko species distributed across southern India, with its range extending across southern Karnataka and adjoining parts of Tamil Nadu, including both the eastern slopes of the Western Ghats and interior plateau regions. The species is typically associated with rocky habitats, granite outcrops, boulder fields, and dry scrub or forest-edge environments, where it occupies crevices and rock surfaces. It is generally encountered as solitary individuals, with populations dispersed across suitable substrates rather than concentrated in specific locations. The mapped distribution shows a broad and continuous geographic range, indicating that the species is widely distributed across a large landscape rather than restricted to a narrow ecological zone or isolated habitat patches. It occurs across both Ghats-associated and inland environments, demonstrating	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				ecological flexibility and absence of strict habitat confinement.¹⁷⁴ Given this relatively wide distribution and lack of geographic restriction, the species does not fall within the definition of a restricted-range species. It is also not associated with congregatory behavior or other conditions that would trigger Critical Habitat criteria. Therefore, this species is screened out.	
183.	<i>Hemidactylus vijayraghavani</i>	IUCN: Data Deficient WPAA, 2023: NA Restricted Range: Yes Migrant: No	2 a	<i>Hemidactylus vijayraghavani</i> is a range-restricted gecko species with a highly localised distribution, known from a single geographic region in northern Karnataka. It is associated with rocky habitats at higher elevations, where it occupies crevices and rock surfaces under specific microclimatic conditions. The species is understood to occur only in high-elevation habitats above approximately 1250 m, indicating a strong dependence on elevation-driven environmental conditions, including temperature and humidity regimes that differ from surrounding lowlands. Although the mapped extent suggests a localised distribution, much of the	Out

¹⁷⁴ Agarwal, Ishan & Giri, Varad & Bauer, A.. (2011). A new cryptic rock-dwelling Hemidactylus (Squamata: Gekkonidae) from south India. Zootaxa. 2765. 10.11646/zootaxa.2765.1.2.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				area shown lies at lower elevations where the species does not occur, and the actual occupied habitat is restricted to elevated terrain beyond the footprint of road infrastructure. Given that the project alignment does not intersect high-elevation habitats suitable for the species, there is no ecological overlap between the species' realized distribution and the area potentially affected by development. Therefore, this species is screened out.	
184.	<i>Hemiphyllodactylus jnana</i> Ganesh, S.R. 2021. <i>Hemiphyllodactylus jnana</i>. The IUCN Red List of Threatened Species 2021: e.T149403494A149403504. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T149403494A149403504.en. Accessed on 01 June 2026.	IUCN: Least Concern WPAA, 2023: NA Restricted Range: Yes Migrant: No	2 a	<i>Hemiphyllodactylus jnana</i> is a highly range-restricted gecko species confined to a small region of southern Karnataka and adjoining Tamil Nadu, primarily centered around the Bengaluru–Hosur–Krishnagiri landscape. This restricted and localised distribution places it within the definition of a restricted-range species under Criterion 2. The species is typically associated with rocky outcrops, scrub vegetation, and forest-edge habitats, where it occupies crevices, rock surfaces, and sheltered microhabitats. It is generally encountered as solitary individuals, with populations structured as small, localised occurrences tied to suitable	In

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				substrate conditions rather than forming dense or continuous populations. The mapped range shows a compact and geographically confined distribution, forming a single, well-defined population area rather than a widespread or fragmented occurrence across the region. This indicates a strong spatial dependency on a narrow ecological zone within the Deccan plateau–Ghats interface.¹⁷⁵ As sections of the project route fall within this Bengaluru–southern Karnataka landscape where rocky and scrub habitats are present, the species lies within its known distribution range in relation to the project area. This spatial overlap, combined with its restricted range, places it under Criterion 2 as a restricted-range species occurring within the project landscape. Therefore, this species is screened in.	
185.	Belgaum Worm Snake (<i>Pseudoindotyphlops exiguus</i>) Srinivasulu, B., Srinivasulu, C. & Ganesan, S.R. 2013. <i>Typhlops exiguus</i>. <i>The IUCN Red List of Threatened Species</i> 2013:	IUCN: Data deficient WPAA, 2023: NA	2 a	<i>Pseudoindotyphlops exiguus</i> is a range-restricted fossorial snake species associated with the central Western Ghats, with its distribution confined to a compact geographic area along the west coast-Ghats interface	In

¹⁷⁵ Agarwal, I., Khandekar, A., Giri, V.B. et al. The hills are alive with geckos! A radiation of a dozen species on sky islands across peninsular India (Squamata: Gekkonidae, *Hemiphyllodactylus*) with the description of three new species. *Org Divers Evol* **19**, 341–361 (2019)

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	e.T172664A1362374. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172664A1362374.en . Accessed on 02 June 2026.	Restricted Range: Yes Migrant: No		of Karnataka and adjoining regions. This limited extent places the species within the definition of a restricted-range species under Criterion 2. The species is a burrowing blind snake, typically inhabiting moist soils, leaf litter, forest floors, and subterranean microhabitats within forested and semi-natural landscapes. It is rarely observed due to its fossorial behavior, and individuals are encountered singly, with populations distributed across suitable soil and habitat conditions rather than forming visible aggregations. The mapped range shows a well-defined and localised distribution, forming a single geographic unit rather than extending continuously along the Western Ghats or across broader inland landscapes. This indicates a restricted ecological envelope linked to specific environmental conditions within the region. Within this context, parts of the project route pass through Western Ghats and coastal Karnataka landscapes that fall within this localised range, where soil and forest conditions suitable for the species are present. This spatial overlap places the species within the scope of Criterion 2 as a restricted-	

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				range species occurring within the project landscape. Therefore, this species is screened in.	
186.	Beddome's Ground Skink (<i>Kaestlea beddomii</i>) Srinivasulu, C. & Srinivasulu, B. 2013. <i>Kaestlea beddomei</i>. <i>The IUCN Red List of Threatened Species</i> 2013: e.T172686A1366953. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172686A1366953.en. Accessed on 02 June 2026.	IUCN: Least concern WPAA, 2023: NA Restricted Range: Yes Migrant: No	2 a	Beddome's Ground Skink is a range-restricted species endemic to the Western Ghats, with its distribution limited to isolated locations along the western coastal and montane regions of peninsular India, placing it within the definition of a restricted-range species under Criterion 2. The species is associated with leaf litter, forest floor habitats, and moist evergreen and semi-evergreen forests, where it occupies ground-level microhabitats under logs, stones, and debris. It is typically encountered as solitary individuals, with populations occurring at low densities and strongly tied to forest microclimatic conditions.¹⁷⁶ The mapped distribution shows a disjunct pattern with two well-separated population clusters, one in coastal Karnataka and another in the southern Western Ghats, indicating limited connectivity and confinement to specific habitat zones within the broader Western Ghats system.	In

¹⁷⁶176176176176 Grismer, L.L., Kaiser, H. and Yaakob, N.S., 2004. A new species of reed snake of the genus *Calamaria* H. Boie, 1827, from Pulau Tioman, Pahang, West Malaysia. *Hamadryad*, 28(1-2), pp.1-6.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				The occurrence of one of these population clusters within coastal and foothill landscapes of Karnataka, where the project intersects, indicates that the species lies within the geographic and ecological envelope of the project landscape. Therefore, this species is screened in.	
187.	Two-lined Ground Skink (<i>Kaestlea bilineata</i>) Srinivasulu, C. & Srinivasulu, B. 2013. <i>Kaestlea bilineata</i> . <i>The IUCN Red List of Threatened Species</i> 2013: e.T172610A1351782. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172610A1351782.en . Accessed on 02 June 2026.	IUCN: Least concern WPAA, 2023: NA Restricted Range: Yes Migrant: No	2 a	Two-lined Ground Skink is a range-restricted species endemic to the Western Ghats, with its distribution confined to a limited section of the Nilgiri-Wayanad-Coimbatore landscape. This restricted geographic extent places the species within the definition of a restricted-range species under Criterion 2. The species is associated with forest floor habitats, including leaf litter, moist soil, and shaded undergrowth within evergreen and semi-evergreen forests, where it occupies ground-level microhabitats under debris, stones, and organic material. It is typically encountered as solitary individuals, and populations are likely low-density and closely tied to microclimatic conditions within intact forest systems. ¹⁷⁷	In

¹⁷⁷ Grismer, L.L., Kaiser, H. and Yaakob, N.S., 2004. A new species of reed snake of the genus *Calamaria* H. Boie, 1827, from Pulau Tioman, Pahang, West Malaysia. *Hamadryad*, 28(1-2), pp.1-6.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				The mapped distribution shows a compact and geographically confined range, forming a single population block rather than extending across the broader Western Ghats or into adjacent plateau ecosystems. This indicates a localised ecological niche within a specific montane landscape. Given its occurrence within the Western Ghats belt and proximity to Karnataka–Kerala boundary regions, and the presence of similar forested habitats along relevant sections of the project landscape, the species falls within the scope of Criterion 2 as a restricted-range species occurring within the project region. Therefore, this species is screened in.	
188.	<i>Dravidoseps goaensis</i> Srinivasulu, C. & Srinivasulu, B. 2025. <i>Lygosoma goaensis</i> (amended version of 2013 assessment). <i>The IUCN Red List of Threatened Species</i> 2025: e.T194121A277919595. https://dx.doi.org/10.2305/IUCN.UK.2025-2.RLTS.T194121A277919595.en. Accessed on 02 June 2026.	IUCN: Data deficient WPAA, 2023: NA Restricted Range: Yes Migrant: No	2 a	Until recently, this species was known only from the type locality in Goa, India. Recently, it has been recorded from Amboli in Sindhudurg District, Maharashtra, also in India. It occurs at elevations between 80 and 750 m asl. The species has not been recorded in Karnataka, therefore it is screened out.	Out
189.	Sharma's Racer (<i>Platyceps bholanathi</i>) Srinivasulu, C., Srinivasulu, B., Mohapatra, P. & Giri, V. 2013. <i>Coluber bholanathi</i>. <i>The IUCN Red List of</i>	IUCN: Data deficient WPAA, 2023: NA	2 a	Sharma's Racer is a snake species recorded from multiple locations across peninsular India, with occurrences distributed across	Out

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	<i>Threatened Species</i> 2013: e.T194089A2297516. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T194089A2297516.en . Accessed on 02 June 2026.	Restricted Range: Yes Migrant: No		Karnataka, Telangana, and Andhra Pradesh, indicating a presence across dry plateau and rocky landscapes rather than confinement to a single geographic region. The species is typically associated with open habitats such as rocky outcrops, scrublands, and semi-arid environments, where it occupies ground-level habitats and is encountered as a solitary, mobile predator. Its occurrence across different regions suggests adaptability to a range of dry habitat conditions, rather than dependence on a narrow ecological niche. The available distribution data show scattered and spatially dispersed occurrence records, without evidence of a continuous, compact, or geographically restricted range, and not limited to a specific biodiversity hotspot such as the Western Ghats. This indicates that the species occurs across a broader regional landscape, rather than within a confined or localised zone.¹⁷⁸ Therefore, this species is screened out.	

¹⁷⁸ Lokesh, Spoorthi & Prakash, Sanjeev & Chanderr, Akshay & Gonsalves, Chayant & Kalki, Yatin. (2021). Additional locality records of the Nagarjunasagar Racer, *Platyceps bholanathi* (Reptilia: Squamata: Colubridae), from Karnataka, India. *Reptiles & Amphibians*. 28. 285-287. 10.17161/randa.v28i2.15542.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
190.	Kerala Burrowing Snake (<i>Plectrurus aureus</i>) Srinivasulu, B., Srinivasulu, C., Ganesan, S.R. & Vijayakumar, S.P. 2013. <i>Plectrurus aureus</i>. <i>The IUCN Red List of Threatened Species</i> 2013: e.T172639A1357260. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172639A1357260.en. Accessed on 01 June 2026.	IUCN: Data Deficient WPAA, 2022: Schedule II Restricted Range: Yes Migrant: No	2 a	<i>Plectrurus aureus</i> is endemic to the Western Ghats, India and is known only from the type locality Chembra mountain near Kalpetta, Kerala, and its vicinity. The elevation range of the hills where it was collected range between 800 and 1,500 m asl¹⁷⁹. No evidence confirms <i>P. aureus</i> in Karnataka; all data place it in Kerala only¹⁸⁰. Its population status is entirely unknown. Therefore, this species is screened out.	Out
191.	Nilgiri Burrowing Snake (<i>Plectrurus perroteti</i>) Srinivasulu, B., Srinivasulu, C., Ganesan, S.R. & Vijayakumar, S.P. 2013. <i>Plectrurus perroteti</i>. <i>The IUCN Red List of Threatened Species</i> 2013: e.T172693A1368076. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172693A1368076.en. Accessed on 02 June 2026.	IUCN: Least Concern WPAA, 2022: Schedule II Restricted Range: Yes Migrant: No	2 a	<i>Plectrurus perroteti</i> is endemic to the Western Ghats, India and is known from the Nilgiri Hills in Tamil Nadu and Karnataka, Kundapur, Mysore in Karnataka, and Meghamalai and Anaimalai Hills in Tamil Nadu and Kerala. This species occurs at elevations from 1,300 to 2,600 m asl¹⁸¹. Published records place <i>P. perroteti</i> in the Nilgiri–Anaimalai region. No peer-reviewed publication records it from	Out

¹⁷⁹ Srinivasulu, B., Srinivasulu, C., Ganesan, S.R. & Vijayakumar, S.P. 2013. *Plectrurus aureus*. *The IUCN Red List of Threatened Species* 2013: e.T172639A1357260. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172639A1357260.en>. Accessed on 01 June 2026.

¹⁸⁰ <https://reptile-database.reptarium.cz/Plectrurus/aureus>

¹⁸¹ Srinivasulu, B., Srinivasulu, C., Ganesan, S.R. & Vijayakumar, S.P. 2013. *Plectrurus perroteti*. *The IUCN Red List of Threatened Species* 2013: e.T172693A1368076. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172693A1368076.en>. Accessed on 02 June 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				Karnataka. Therefore, the species is screened out.	
192.	Karnataka Burrowing Snake (<i>Pseudoelectrurus canaricus</i>) Srinivasulu, B., Srinivasulu, C., Ganesan, S.R. & Vijayakumar, S.P. 2018. <i>Pseudoelectrurus canaricus</i> (amended version of 2013 assessment). <i>The IUCN Red List of Threatened Species</i> 2018: e.T172642A127965142. https://dx.doi.org/10.2305/IUCN.UK.2018-1.RLTS.T172642A127965142.en. Accessed on 02 June 2026.	IUCN: Data Deficient WPAA, 2022: Schedule II Restricted Range: Yes Migrant: No	2 a	<i>Pseudoelectrurus canaricus</i> is endemic to the Western Ghats, India and is known only from the type locality on top of Kudremukh Hill, Chikkamagalur district, Karnataka. The elevation range of this site is between 1,000 and 1,800 m asl; and the type collection was reportedly from the top of the hill at "6,000 ft" (=1,800 m)¹⁸². This species is known only from Mt. Kudremukh in Chikmagalur, Karnataka, which is its type locality. It is explicitly listed as <i>P. canaricus</i> with the type locality given as "Kudremukh," and its distribution is restricted to Kudremukh in Karnataka, with no other sites reported in the state¹⁸³¹⁸⁴. The species has been reported from elevations above 1,000 m asl, whereas the proposed road alignment does not traverse areas at or above this elevation. Therefore, the species is screened out.	Out

¹⁸² Srinivasulu, B., Srinivasulu, C., Ganesan, S.R. & Vijayakumar, S.P. 2018. *Pseudoelectrurus canaricus* (amended version of 2013 assessment). *The IUCN Red List of Threatened Species* 2018: e.T172642A127965142. <https://dx.doi.org/10.2305/IUCN.UK.2018-1.RLTS.T172642A127965142.en>. Accessed on 02 June 2026.

¹⁸³ Pyron, R. A., Ganesh, S. R., Sayyed, A., Sharma, V., Wallach, V., & Somaweera, R. (2016). A catalogue and systematic overview of the shield-tailed snakes (Serpentes: Uropeltidae). *Zoosystema*, 38(4), 453-506.

¹⁸⁴ Ganesh, S. R., Chadramouli, S. R., Sreekar, R., & Shankar, P. G. (2013). Reptiles of the central Western Ghats, India-a reappraisal and revised checklist, with emphasis on the Agumbe Plateau. *Russian Journal of Herpetology*, 20(3), 181-189.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
193.	Water Rhabdops (<i>Rhabdops aquaticus</i>) Giri, V. & Ganesh, S.R. 2021. <i>Rhabdops aquaticus</i>. <i>The IUCN Red List of Threatened Species</i> 2021: e.T149313378A149313412. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T149313378A149313412.en. Accessed on 02 June 2026.	IUCN: Least Concern WPAA, 2022: Schedule II Restricted Range: Yes Migrant: No	1	This species is endemic to India (southern Maharashtra, northern Karnataka and Goa), at elevations of about 750 to 1,100 m asl. The distribution includes Amboli, Sindudurg district, Maharashtra, Humbarli, Koyna, Satara District, Maharashtra; Kolhapur District, Maharashtra; Western Ghats region of Goa, Northern most Karnataka and Southern Maharashtra; Koyna Wildlife Sanctuay, Idarganj plateau (Radhanagari Wildlife Sanctuary, Kolhapur Dist) Manoli plateau (near Amba, Kolhaur Dist) Zolambi plateau (Chandoli National Park, Sangli Dist) Vankusavade plateau, (Satara Dist) Maharashtra, Kaas plateau and Chalakewadi Sahyadri Tiger Reserve; Castle Rock, Karnataka; and Chorla Ghats-Goa¹⁸⁵. <i>Rhabdops aquaticus</i> is a Western Ghats endemic species with distribution extending into northern Karnataka¹⁸⁶¹⁸⁷. The species inhabits freshwater streams and adjacent plateau habitats, which are sensitive to disturbance. Given its occurrence within the state, its restricted range, and the limited availability of	In

¹⁸⁵ Giri, V. & Ganesh, S.R. 2021. *Rhabdops aquaticus*. *The IUCN Red List of Threatened Species* 2021: e.T149313378A149313412. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T149313378A149313412.en>. Accessed on 02 June 2026.

¹⁸⁶ *Rhabdops aquaticus* Giri, Deepak, Captain & Gower, 2017 in GBIF Secretariat (2023). GBIF Backbone Taxonomy. Checklist dataset <https://doi.org/10.15468/39omei> accessed via GBIF.org on 2026-06-02.

¹⁸⁷ [Rhabdops aquaticus | The Reptile Database](#)

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				population data, there is a reasonable likelihood of impact from road development, including habitat alteration and fragmentation. Therefore, as a precautionary measure under the rural roads project across Karnataka, the species is screened in.	
194.	Olive Forest Snake (<i>Rhabdops olivaceus</i>) Giri, V., Ganesh, S.R. & Narayanan, S. 2021. <i>Rhabdops olivaceus</i>. <i>The IUCN Red List of Threatened Species</i> 2021: e.T149321599A149321695. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T149321599A149321695.en. Accessed on 02 June 2026.	IUCN: Near Threatened WPAA, 2022: Schedule II Restricted Range: No Migrant: No	2 a	This snake is endemic to the Western Ghats, where it ranges from Tirthahalli in the north as south as Parambikulam Tiger Reserve. Genetic sampling suggests that, in contrast to many reptiles, the Palghat Gap has not prevented recent gene flow between subpopulations. It occurs between 600 and 2,300 m asl. The distribution includes Parambikulam Tiger Reserve, Thrissur District of Kerala, Pookode-Wayanad; Manantoddy-Wayanad; Vellanimala-Thrissur; Kottigehara, Periya-Wayanad; Liddesdale Estate; Rockwood Estate; Hope Estate; Suralihalla; Tirthahalli; Kotagiri-Nilgaris, Coonoor¹⁸⁸. peer-reviewed studies and taxonomic revisions indicating its occurrence in the Malnad region of the state. Given its presence in Karnataka and habitat specificity, there is a potential risk of impact from road development.	In

¹⁸⁸ Giri, V., Ganesh, S.R. & Narayanan, S. 2021. *Rhabdops olivaceus*. *The IUCN Red List of Threatened Species* 2021: e.T149321599A149321695. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T149321599A149321695.en>. Accessed on 02 June 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				Accordingly, the species is screened in.	
195.	Darwin's Large Fan-throated Lizard (<i>Sarada darwini</i>) Giri, V. 2021. <i>Sarada darwini</i>. <i>The IUCN Red List of Threatened Species</i> 2021: e.T127934710A127934736. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T127934710A127934736.en. Accessed on 02 June 2026.	IUCN: Least Concern WPAA, 2022: NA Restricted Range: Yes Migrant: No	2 a	This species is endemic to India (present in the northern parts of Karnataka, and southern parts of Maharashtra). The distribution includes Bidnal, Dharwad District, Karnataka; Nipani, Belgaum District Karnataka and Giragaon, Kagal, Terawad, Atigre and Malkpur in Kolhapur District, Sangli, Atpadi and Dongarwadi in Sangli District of Maharashtra. It occurs at elevations of 550 to 680 m asl¹⁸⁹. Its type locality in Dharwad, Karnataka, confirming its occurrence in the state¹⁹⁰. The species inhabits grassland and open habitats, which are susceptible to disturbance. Given its confirmed presence in Karnataka and the sensitivity of its habitats to land-use change, there is a potential risk of impacts from road development and is thereby screened in.	In
196.	Deccan Fan-throated Lizard (<i>Sarada deccanensis</i>)	IUCN: Least Concern	2 a	This species is confined to, and has a wide range on, the Indo-Gangetic Plain south of the Himalayas in eastern	In

¹⁸⁹ Giri, V. 2021. *Sarada darwini*. *The IUCN Red List of Threatened Species* 2021: e.T127934710A127934736. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T127934710A127934736.en>. Accessed on 02 June 2026.

¹⁹⁰ Deepak, V., Giri, V. B., Asif, M., Dutta, S. K., Vyas, R., Zambre, A. M., ... & Karanth, K. P. (2016). Systematics and phylogeny of Sitana (Reptilia: Agamidae) of Peninsular India, with the description of one new genus and five new species. *Contributions to Zoology*, 85(1), 67-111.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	Giri, V., Srinivasulu, C. & Narayanan, S. 2021. <i>Sarada deccanensis</i> . <i>The IUCN Red List of Threatened Species</i> 2021: e.T127934829A127934985. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T127934829A127934985.en . Accessed on 02 June 2026.	WPAA, 2022: NA Restricted Range: Yes Migrant: No		Pakistan (Rawalpindi, Multan, Sukkur, Hyderabad, Sind Khan 1999), northern India, Nepal, south central Bhutan, and Bangladesh. Its distribution mainly follows the major river systems of the Indus, Ganges and Brahmaputra ¹⁹¹ . It occur in northern Karnataka, forming part of a lineage endemic to the Deccan region. Given its presence in the state and the susceptibility of its habitats to disturbance, there is a potential risk of impact from road development. Therefore, under the rural roads project across Karnataka, the species is screened in ¹⁹² .	
197.	Gokak Fan-throated Lizard (<i>Sitana gokakensis</i>) Narayanan, S., Giri, V. & Murthy, B.H.C. 2021. <i>Sitana gokakensis</i> . <i>The IUCN Red List of Threatened Species</i> 2021: e.T149312411A149312414. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T149312411A149312414.en . Accessed on 02 June 2026.	IUCN: data Deficient WPAA, 2022: NA Restricted Range: Yes	2 a	This recently described lizard is endemic to Gokak plateau in Belgavi district (Nipani, Ramdurga, Bagalkot), Karnataka, India (Deepak et al 2018). The Ghataprabha is a rocky river and a potential geographical barrier for this species. It occurs at around 255 m asl ¹⁹³ .	In

¹⁹¹ Giri, V., Srinivasulu, C. & Narayanan, S. 2021. *Sarada deccanensis*. *The IUCN Red List of Threatened Species* 2021: e.T127934829A127934985. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T127934829A127934985.en>. Accessed on 02 June 2026.

¹⁹² Deepak, V., Giri, V. B., Asif, M., Dutta, S. K., Vyas, R., Zambre, A. M., ... & Karanth, K. P. (2016). Systematics and phylogeny of *Sitana* (Reptilia: Agamidae) of Peninsular India, with the description of one new genus and five new species. *Contributions to Zoology*, 85(1), 67-111.

¹⁹³ Narayanan, S., Giri, V. & Murthy, B.H.C. 2021. *Sitana gokakensis*. *The IUCN Red List of Threatened Species* 2021: e.T149312411A149312414. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T149312411A149312414.en>. Accessed on 02 June 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
		Migrant: No		Its type locality and entire known distribution confined to the Gokak plateau in Karnataka ¹⁹⁴ . Given its restricted distribution within the state and data limitations, there is a risk of impact from road development, and the species is therefore screened in.	
198.	Cuvier's Shieldtail (<i>Uropeltis ceylanica</i>)	IUCN: Data Deficient WPAA, 2022: NA Restricted Range: Yes Migrant: No	2 a	This species is apparently present in the Western Ghats south of the Goa Gap in India, but the lack of a re-description following recent taxonomic changes make its true range limits unclear. The type locality is not known with certainty. The species is not mapped here because of uncertainty as to where it truly occurs. ¹⁹⁵ Its documented distribution extends from Goa through Karnataka to southern India ¹⁹⁶ . Given its occurrence in the region and use of habitats likely to intersect with linear infrastructure, there is a risk of impact from road development, and the species is therefore screened in.	In
199.	Beddome's Coral Snake (<i>Calliophis beddomei</i>)	IUCN: Data Deficient	2 a	This species is endemic to India and was until recently known only from three localities: Koppa in southern	In

¹⁹⁴ Deepak, V., Khandekar, A., Chaitanya, R., & Karanth, P. (2018). Descriptions of two new endemic and cryptic species of Sitana Cuvier, 1829 from peninsular India. *Zootaxa*, 4434(2), 327-365.

¹⁹⁵ Ganesh, S.R. & Giri, V. 2021. *Uropeltis ceylanica*. *The IUCN Red List of Threatened Species* 2021: e.T127972986A127973772. <https://dx.doi.org/10.2305/IUCN.UK.2021-2.RLTS.T127972986A127973772.en>. Accessed on 02 June 2026.

¹⁹⁶ Pyron, Robert Alexander, Ganesh, Sumaithangi Rajagopalan, Sayyed, Amit, Sharma, Vivek, Wallach, Van & Somaweera, Ruchira, 2016, A catalogue and systematic overview of the shield-tailed snakes (Serpentes: Uropeltidae), *Zoosystema* 38 (4), pp. 453-506 : 490-491

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	Ganesh, S.R. 2021. <i>Calliophis beddomei</i> . <i>The IUCN Red List of Threatened Species</i> 2021: e.T172615A158392318. https://dx.doi.org/10.2305/IUCN.UK.2021-2.RLTS.T172615A158392318.en . Accessed on 03 June 2026.	WPAA, 2022: Schedule II Restricted Range: Yes Migrant: No		Karnataka, the Nilgiri Hills in Tamil Nadu (both in the Western Ghats), and the Shevaroy Hills in Tamil Nadu. It was rediscovered in 2012 from the type locality in the Shevaroy Hills, representing the first records since the 1860s, and was subsequently recorded from a fourth locality, the Kolli Hills. It is known from only a few specimens collected in mid-elevation forested tracts. A morphologically similar population has also been reported from the Ponmudi Hills in Kerala. The species ranges from 550 to 1,600 m above sea level ¹⁹⁷ . It is confirmed from Karnataka based on a voucher specimen collected from Koppa in the central Western Ghats. Published records indicate that the species is known from very few localities in southern India, including Koppa (Karnataka), the Nilgiri region, and the Shevaroy Hills ¹⁹⁸ . Given its occurrence in the region and potential overlap with linear infrastructure, the species is therefore screened in.	
200.	Castoe's Coralsnake (<i>Calliophis castoe</i>)	IUCN: Endangere d	1 a, c; 2 a	The species is endemic to the central Western Ghats of India and is confirmed from Karnataka based on	In

¹⁹⁷ Ganesh, S.R. 2021. *Calliophis beddomei*. *The IUCN Red List of Threatened Species* 2021: e.T172615A158392318. <https://dx.doi.org/10.2305/IUCN.UK.2021-2.RLTS.T172615A158392318.en>. Accessed on 03 June 2026.

¹⁹⁸ Ganesh, S. R., & Ramanujam, E. (2014). Rediscovery of Beddome's Coralsnake *Calliophis beddomei* Smith, 1943 from the type locality. *Journal of Threatened Taxa*, 6(3), 5580-5582.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	Giri, V. & Achyuthan, N.S. 2021. <i>Calliophis castoe</i> . The IUCN Red List of Threatened Species 2021: e.T127936154A127936483. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T127936154A127936483.en . Accessed on 23 June 2026.	WPAA, 2022: Schedule II Restricted Range: Yes Migrant: No		voucher specimens and published locality records from Karwar, Uttara Kannada District. The species is currently known from Karnataka, Goa, and Maharashtra ¹⁹⁹ . Given its occurrence in the region and potential overlap with linear infrastructure, the species may be affected by road development and is therefore screened in.	
201.	Large-scaled Forest Lizard (<i>Calotes grandisquamis</i>) Srinivasulu, C., Srinivasulu, B., Vijayakumar, S.P., Ganesan, S.R., Prabhu, M. & Sreekar, R. 2013. <i>Calotes grandisquamis</i> . The IUCN Red List of Threatened Species 2013: e.T172602A1349981. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172602A1349981.en . Accessed on 03 June 2026.	IUCN: Least Concern WPAA, 2022: NA Restricted Range: Yes Migrant: No	2 a	<i>Calotes grandisquamis</i> is endemic to the Western Ghats, India and distributed in the Anaimalai Hills, Brahmagiri Hills, Kodagu, Wayanad, Ponumudi, Siruvani, Nilgiri hills, Srivilliputhur Grizzled Giant Squirrel Wildlife Sanctuary, Tirunelveli hills. This species occurs at elevations from 100 to 1,600 m asl ²⁰⁰ . The species occurs in the Project Aol in the Western Ghats, and has thereby been screened in.	In
202.	Nilgiri Forest Lizard (<i>Calotes nemoricola</i>) Srinivasulu, C., Srinivasulu, B., Vijayakumar, S.P., Ganesan, S.R., Prabhu, M. & Madala, M. 2013. <i>Calotes nemoricola</i> . The IUCN Red List of Threatened Species 2013: e.T194083A2296808. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T194083A2296808.en . Accessed on 23 June 2026.	IUCN: Least Concern WPAA, 2022: NA	2 a	<i>Calotes nemoricola</i> is endemic to the Western Ghats, India. It has been reported from the Eastern Ghats of Andhra Pradesh, but this is considered erroneous (see Srinivasulu and Das 2008). This species occurs at	In

¹⁹⁹ Deepak, V., Giri, V. B., Asif, M., Dutta, S. K., Vyas, R., Zambre, A. M., ... & Karanth, K. P. (2016). Systematics and phylogeny of Sitana (Reptilia: Agamidae) of Peninsular India, with the description of one new genus and five new species. *Contributions to Zoology*, 85(1), 67-111.

²⁰⁰ Srinivasulu, C., Srinivasulu, B., Vijayakumar, S.P., Ganesan, S.R., Prabhu, M. & Sreekar, R. 2013. *Calotes grandisquamis*. The IUCN Red List of Threatened Species 2013: e.T172602A1349981. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172602A1349981.en>. Accessed on 23 June 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	13-1.RLTS.T194083A2296808.en . Accessed on 03 June 2026.	Restricted Range: Yes Migrant: No		elevations between 400 and 1,200 m asl ²⁰¹ . There are confirmed records from Karnataka, including the Agumbe region of the Central Western Ghats ²⁰² . Given its occurrence in the region and use of habitats likely to intersect with linear infrastructure, there is a risk of impact from road development, and the species is therefore screened in.	
203.	Beddome's Black Earth Snake (<i>Melanophidium punctatum</i>) Achyuthan, N.S., Ganesh, S.R. & Narayanan, S. 2021. <i>Melanophidium punctatum</i> . <i>The IUCN Red List of Threatened Species</i> 2021: e.T127959258A123299945. https://dx.doi.org/10.2305/IUCN.UK.2021-2.RLTS.T127959258A123299945.en . Accessed on 03 June 2026.	IUCN: Vulnerable WPAA, 2022: Schedule II Restricted Range: Yes Migrant: No	2 a	This snake species is endemic to the Western Ghats in Tamil Nadu and Kerala, India. Following a recent taxonomic revision, show five localities for this species, from near Valparai in the north to Chathankodu in the south. It occurs at about 600 to 1,400 m asl. ²⁰³ . <i>Melanophidium punctatum</i> is a southern Western Ghats endemic shieldtail snake currently known from the Travancore and Anamalai regions south of the Palghat Gap. Following the taxonomic revision of Gower et al. (2016), records from northern	Out

²⁰¹ Srinivasulu, C., Srinivasulu, B., Vijayakumar, S.P., Ganesan, S.R., Prabhu, M. & Madala, M. 2013. *Calotes nemoricola*. *The IUCN Red List of Threatened Species* 2013: e.T194083A2296808. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T194083A2296808.en>. Accessed on 03 June 2026.

²⁰² Ganesh, S.R. & Chandramouli, S.R. (2013). *Identification of Two Similar Indian Agamid Lizards Calotes nemoricola and C. grandisquamis*. Russian Journal of Herpetology 20(1): 33–35.

²⁰³ Achyuthan, N.S., Ganesh, S.R. & Narayanan, S. 2021. *Melanophidium punctatum*. *The IUCN Red List of Threatened Species* 2021: e.T127959258A123299945. <https://dx.doi.org/10.2305/IUCN.UK.2021-2.RLTS.T127959258A123299945.en>. Accessed on 03 June 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				Karnataka previously attributed to <i>M. punctatum</i> are referred to <i>Melanophidium khairei</i> ; therefore, no confirmed occurrence of <i>M. punctatum</i> in Karnataka is currently recognised ²⁰⁴ . Therefore, it is screened out.	
204.	Indian Black Earth Snake (<i>Melanophidium wynaudente</i>) Srinivasulu, C., Srinivasulu, B., Ganesan, S.R., Sreekar, R. & Prabhu, M. 2013. <i>Melanophidium wynaudente</i>. <i>The IUCN Red List of Threatened Species</i> 2013: e.T178682A1541442. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T178682A1541442.en. Accessed on 03 June 2026.	IUCN: Least Concern WPAA, 2022: Schedule II Restricted Range: Yes Migrant: No	2 a	<i>Melanophidium wynaudente</i> is endemic to the Western Ghats of India. It is known from a few localities in Kerala and Karnataka, including Mananthavady in Wayanad district, Kodagu, Kudremukh National Park, and Agumbe. Earlier reports extending its range to Travancore, the Anaimalai Hills, Telawadi, and the Goa frontier were based on a misidentification with a different species. It occurs at elevations ranging from 600 to 1,500 m above sea level²⁰⁵. Its occurrence in Karnataka is confirmed by published records from the Central Western Ghats, including Kodagu (Coorg). The species is distributed in the central Western Ghats from Wayanad northwards to Coorg and the Agumbe region of Karnataka²⁰⁶. Given its occurrence in	In

²⁰⁴ Gower, D. J., Giri, V., Captain, A., & Wilkinson, M. (2016). A reassessment of *Melanophidium* Günther, 1864 (Squamata: Serpentes: Uropeltidae) from the Western Ghats of peninsular India, with the description of a new species. *Zootaxa*, 4085(4), 481-503..

²⁰⁵ Srinivasulu, C., Srinivasulu, B., Ganesan, S.R., Sreekar, R. & Prabhu, M. 2013. *Melanophidium wynaudente*. *The IUCN Red List of Threatened Species* 2013: e.T178682A1541442. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T178682A1541442.en>. Accessed on 03 June 2026.

²⁰⁶ Ganesh, S. R., Gowri Shankar, R., & Sreekar, R. (2012). First record of Wayanad shieldtail *Melanophidium wynaudente* (Beddome, 1863) from the Central Western Ghats, India.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				the region and use of habitats likely to intersect with linear infrastructure, there is a risk of impact from road development, and the species is therefore screened in.	
205.	<i>Monilesaurus montanus</i> Ganesh, S.R., Giri, V. & Murthy, B.H.C. 2021. <i>Monilesaurus montanus</i>. <i>The IUCN Red List of Threatened Species</i> 2021: e.T149308131A149308140. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T149308131A149308140.en. Accessed on 03 June 2026.	IUCN: Least Concern WPAA, 2022: NA Restricted Range: Yes Migrant: No	2 a	This species is endemic to the Western Ghats in southern India and has been recorded above 1,250 m asl in the Kudremukh, Brahmagiri, Wayanaad, Nilgiri and Elivalmalai ranges²⁰⁷. It is recorded from the Aol and is a Western Ghats endemic agamid inhabiting high-elevation montane forests. The lower elevational limit of the species is approximately 1,250 m asl, whereas all proposed project roads and associated works are located below this threshold. Therefore, it is screened out.	Out
206.	Jerdon's Kukri Snake (<i>Oligodon venustus</i>) Achyuthan, N.S., Deepak, V., Srinivasulu, C. & Srinivasulu, B. 2013. <i>Oligodon venustus</i>. <i>The IUCN Red List of Threatened Species</i> 2013: e.T194917A2368521. https://dx.doi.org/10.2305/IUCN.UK.2013-3.RLTS.T194917A2368521.en. Accessed on 03 June 2026.	IUCN: Least Concern WPAA, 2022: Schedule II	2 a	This species is distributed in the Western Ghats (India) south of the Goa Gap. Historical records exist from Wayanad, Nilgiris and Palani Hills, and recent ones from Upper Bhavani, Ooty and Mukurthi. Its occurrence in north Canara, the type locality, needs to be	Out

²⁰⁷ Ganesh, S.R., Giri, V. & Murthy, B.H.C. 2021. *Monilesaurus montanus*. *The IUCN Red List of Threatened Species* 2021: e.T149308131A149308140. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T149308131A149308140.en>. Accessed on 03 June 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	13-1.RLTS.T194917A2368521.en . Accessed on 03 June 2026.	Restricted Range: Yes Migrant: No		verified. It has been recorded at 1,200 to 2,400 m asl ²⁰⁸ . <i>Oligodon venustus</i> is a Western Ghats endemic snake that occurs within the broader Aol. However, the species has a reported elevational range of approximately 1,200–2,400 m asl and is associated with montane habitats within this range. As all project roads and associated infrastructure are located below 1,200 m asl, suitable habitat for the species is not expected to occur within the Project footprint and is thereby screened out.	
207.	Salty Earth Snake (<i>Rhinophis sanguineus</i>) Srinivasulu, B., Srinivasulu, C., Vijayakumar, S.P. & Ganesan, S.R. 2013. <i>Rhinophis sanguineus</i> . <i>The IUCN Red List of Threatened Species</i> 2013: e.T172613A1352267. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172613A1352267.en . Accessed on 03 June 2026.	IUCN: Least Concern WPAA, 2022: Schedule II Restricted Range: Yes Migrant: No	2 a	<i>Rhinophis sanguineus</i> is endemic to the Western Ghats of India and is known from seven localities between Agumbe in Karnataka and the Agasthyamalai Hills in southern India. A reported occurrence from the Kolli Hills in Tamil Nadu requires taxonomic verification. The species occurs at elevations ranging from 560 to 1,600 m above sea level ²⁰⁹ . It is recorded from Karnataka, including Koppa, Kalsa and the Agumbe region. The species occurs along the Western Ghats from	In

²⁰⁸ Achyuthan, N.S., Deepak, V., Srinivasulu, C. & Srinivasulu, B. 2013. *Oligodon venustus*. *The IUCN Red List of Threatened Species* 2013: e.T194917A2368521. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T194917A2368521.en>. Accessed on 03 June 2026.

²⁰⁹ Srinivasulu, B., Srinivasulu, C., Vijayakumar, S.P. & Ganesan, S.R. 2013. *Rhinophis sanguineus*. *The IUCN Red List of Threatened Species* 2013: e.T172613A1352267. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172613A1352267.en>. Accessed on 03 June 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				Karnataka southwards to the Agasthyamalai Hills ²¹⁰ . Therefore, it is screened in.	
208.	Beddome's Cat Skink (<i>Ristella beddomii</i>) Srinivasulu, C. & Srinivasulu, B. 2013. <i>Ristella beddomii</i>. <i>The IUCN Red List of Threatened Species</i> 2013: e.T172650A1359128. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172650A1359128.en. Accessed on 03 June 2026.	IUCN: Least Concern WPAA, 2022: Schedule II Restricted Range: Yes Migrant: No	2 a	<i>Ristella beddomii</i> is endemic to India, where it is known from the Western Ghats of Kerala and Karnataka. It occurs at elevations between 400 and 1,300 m asl²¹¹. Its occurrence in Karnataka is supported by published records from the Sharavati River basin and North Kanara (Uttara Kannada District). The species is distributed in forest habitats of the central and southern Western Ghats, including Karnataka and Kerala. Therefore, it is screened in.	In
209.	Red-spotted Earth Snake (<i>Uropeltis rubromaculata</i>) Srinivasulu, C., Srinivasulu, B., Ganesan, S.R. & Vijayakumar, S.P. 2018. <i>Uropeltis rubromaculata</i> (amended version of 2013 assessment). <i>The IUCN Red List of Threatened Species</i> 2018: e.T178483A127981009. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T178483A127981009.en. Accessed on 03 June 2026.	IUCN: Least Concern WPAA, 2022: Schedule II Restricted Range: Yes Migrant: No	2 a	<i>Uropeltis rubromaculata</i> is endemic to the Western Ghats of India and is known from Koppa in Karnataka, the Anaimalai Hills, Nilgiri Hills, Meghamalai, and Munnar in Kerala. Recent records include specimens collected from plantation habitats in Munnar. The species occurs at elevations ranging from 600 to 1,800 m above sea level²¹².	Out

²¹⁰ Beddome, R.H. (1863). *Descriptions of new species of Uropeltidae from Southern India*.

²¹¹ Achyuthan, N.S., Deepak, V., Srinivasulu, C. & Srinivasulu, B. 2013. *Oligodon venustus*. *The IUCN Red List of Threatened Species* 2013: e.T194917A2368521. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T194917A2368521.en>. Accessed on 03 June 2026.

²¹² Srinivasulu, C., Srinivasulu, B., Ganesan, S.R. & Vijayakumar, S.P. 2018. *Uropeltis rubromaculata* (amended version of 2013 assessment). *The IUCN Red List of Threatened Species* 2018: e.T178483A127981009. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T178483A127981009.en>. Accessed on 03 June 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				This shieldtail snake is known from the Anaimalai and Nilgiri hill complexes of Kerala and Tamil Nadu. Contemporary taxonomic reviews and distributional compilations do not include Karnataka within its confirmed range; therefore, the species is screened out.	
210.	Hampi Rock Gecko (<i>Hemidactylus siva</i>) Achyuthan, N.S., Srinivasulu, C. & Ganesh, S.R. 2021. <i>Hemidactylus siva</i> . <i>The IUCN Red List of Threatened Species</i> 2021: e.T149352778A149352812. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T149352778A149352812.en . Accessed on 16 June 2026.	IUCN: Endangere d WPAA, 2022: Not Listed Restricted Range: Yes Migrant: No	1 a, c; 2 a	This species is endemic to India and was originally described from the Śiva Temple ruins within the Hampi World Heritage Site in Ballari District, Karnataka, at an elevation of 442 m above sea level. It is known from several localities around Hampi and has subsequently been recorded from Sandur and Anegundi, extending its known distribution within the region ²¹³ . The species is known only from a few documented localities and occupies specialized granitic boulder habitats. Due to its limited range and the lack of information demonstrating a wider distribution or large population, the species may be vulnerable to habitat disturbance; therefore, the species is screened in.	In
211.	Goan Day Gecko (<i>Cnemaspis goaensis</i>)	IUCN: Endangere d	1 a, c; 2 a	<i>Cnemaspis goaensis</i> is endemic to India and is known from a few localities in Goa and coastal Karnataka, including Poinguinim,	In

²¹³ Achyuthan, N.S., Srinivasulu, C. & Ganesh, S.R. 2021. *Hemidactylus siva*. *The IUCN Red List of Threatened Species* 2021: e.T149352778A149352812. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T149352778A149352812.en>. Accessed on 16 June 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
	Srinivasulu, C. & Srinivasulu, B. 2013. <i>Cnemaspis goaensis</i> . <i>The IUCN Red List of Threatened Species</i> 2013: e.T172636A1356716. https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172636A1356716.en . Accessed on 16 June 2026.	WPAA, 2022: Not Listed Restricted Range: Yes Migrant: No		Cotigao, Cotigao Wildlife Sanctuary, and Mattigattha. Its estimated extent of occurrence is less than 1,000 km ² , although this is likely an underestimate due to the limited number and distribution of known records. The species occurs at elevations ranging from 50 to 100 m above sea level ²¹⁴ . It is a Western Ghats endemic species with a highly restricted distribution confined to Goa and coastal Karnataka. The species is known from few confirmed localities and has a small extent of occurrence, indicating potential vulnerability to habitat loss and fragmentation; therefore, the species is scoped in.	
212.	Adi's Day Gecko (<i>Cnemaspis adii</i>) Ganesh, S.R. & Srinivasulu, C. 2021. <i>Cnemaspis adii</i> . <i>The IUCN Red List of Threatened Species</i> 2021: e.T104681288A104681293. https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T104681288A104681293.en . Accessed on 16 June 2026.	IUCN: Critically Endangere d WPAA, 2022: Not Listed Restricted Range: Yes Migrant: No	1 a, c; 2 a	This species is known with certainty only from Hampi World Heritage Site, Bellary District, Karnataka, India. There are unconfirmed sightings also from Bellary ²¹⁵ . it is a Karnataka-endemic gecko with a highly restricted known distribution confined to the Hampi landscape. The species is associated with specialized granitic boulder habitats and is currently known only from a small number of verified localities. Its narrow geographic range and habitat	In

²¹⁴ Srinivasulu, C. & Srinivasulu, B. 2013. *Cnemaspis goaensis*. *The IUCN Red List of Threatened Species* 2013: e.T172636A1356716. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172636A1356716.en>. Accessed on 16 June 2026.

²¹⁵ Ganesh, S.R. & Srinivasulu, C. 2021. *Cnemaspis adii*. *The IUCN Red List of Threatened Species* 2021: e.T104681288A104681293. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T104681288A104681293.en>. Accessed on 16 June 2026.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				specificity increase its susceptibility to habitat disturbance and land-use change.; therefore, the species is screened in.	
MAMMALIA					
213.	Dhole (<i>cuon alpinus</i>) Kamler, J.F., Songsasen, N., Jenks, K., Srivathsa, A., Sheng, L. & Kunkel, K. 2015. <i>Cuon alpinus</i> . <i>The IUCN Red List of Threatened Species</i> 2015: e.T5953A72477893. https://dx.doi.org/10.2305/IUCN.UK.2015-4.RLTS.T5953A72477893.en . Accessed on 02 June 2026.	IUCN: Endangere d WPAA, 2023: Schedule-I Restricted Range: No Migrant: No	1 a	The Dhole is a wide-ranging carnivore associated with forested ecosystems, occurring across tropical evergreen, semi-evergreen, moist deciduous, and dry deciduous forests, particularly within large, contiguous landscapes such as the Western Ghats. It is a social species, living and hunting in packs, and requires extensive habitat connectivity and sufficient prey base (mainly ungulates) to persist. Its ecological requirements make it highly dependent on undisturbed forest tracts and landscape-scale habitat continuity, and populations are typically concentrated in protected areas and adjoining forested regions. Movements are not site-restricted, but instead span large home ranges, making the species sensitive to fragmentation and disturbance.²¹⁶ Within the project region, the species is known to occur in Western Ghats landscapes where suitable habitat persists, and the alignment intersects	In

²¹⁶ Srivathsa, Arjun & Karanth, K & Kumar, Narayanarao & Oli, Madan. (2019). Insights from distribution dynamics inform strategies to conserve a dhole *Cuon alpinus* metapopulation in India. *Scientific Reports*. 39. 1-12. 10.1038/s41598-019-39293-0.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				areas that form part of this broader forest matrix used by the species. Given its conservation status and confirmed association with forested habitats present within the project landscape, the species falls within the scope of Criterion 1 as a globally threatened species occurring in the area. Therefore, this species is screened in.	
214.	Asian Elephant (<i>Elephas maximus</i>) Williams, C., Tiwari, S.K., Goswami, V.R., de Silva, S., Kumar, A., Baskaran, N., Yoganand, K. & Menon, V. 2020. <i>Elephas maximus</i>. <i>The IUCN Red List of Threatened Species</i> 2020: e.T7140A45818198. https://dx.doi.org/10.2305/IUCN.UK.2020-3.RLTS.T7140A45818198.en. Accessed on 02 June 2026.	IUCN: Endangere d WPAA, 2023: Schedule-I Restricted Range: No Migrant: Yes	1 a; 3 a	Asian Elephant is a large, wide-ranging herbivore associated with forested and semi-forested landscapes, including evergreen, semi-evergreen, moist and dry deciduous forests, and grassland–forest mosaics. It requires extensive habitat connectivity and access to water and forage, and populations move across large home ranges following seasonal resource availability. In southern India, the species occurs in landscape-scale habitats across the Western Ghats and adjoining forests, often using corridors that connect protected areas and reserve forests. Its ecological persistence depends on intact habitat continuity and movement pathways, and populations are sensitive to fragmentation and barriers such as roads and infrastructure.	In

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				As the project intersects Western Ghats and associated forest landscapes that form part of known elephant movement zones, the species is relevant within the context of landscape-level habitat use and conservation importance. Therefore, this species is screened in.	
215.	Kolar Leaf-nosed Bat (<i>Hipposideros hypophyllus</i>) Chakravarty, R., Srinivasulu, B. & Srinivasulu, C. 2016. <i>Hipposideros hypophyllus</i>. <i>The IUCN Red List of Threatened Species</i> 2016: e.T10138A22092730. https://dx.doi.org/10.2305/IUCN.UK.2016-2.RLTS.T10138A22092730.en. Accessed on 02 June 2026.	IUCN: Critically Endangered WPAA, 2023: Schedule-I Restricted Range: Yes Migrant: No	1 a; 2 a	Kolar Leaf-nosed Bat is a highly range-restricted species with an extremely localised distribution, historically known from very few cave and subterranean roost sites in peninsular India. Its occurrence is tightly linked to specific underground habitats such as caves, crevices, and abandoned mines, where stable temperature and humidity conditions are essential for survival. The species shows a high degree of site fidelity, with populations concentrated at discrete roosting locations rather than spread across the landscape. Such dependence on specific and limited roosting environments makes the species particularly vulnerable to disturbance, habitat loss, and changes in microclimate.²¹⁷²¹⁸	In

²¹⁷ Srinivasulu C, Srinivasulu B, Kaur H. The rare Kolar leaf-nosed bat. *Oryx*. 2015;49(1):15-16. doi:10.1017/S0030605314000829

²¹⁸ Srinivas, Bhargavi & Srinivasulu, Chelmala. (2024). Molecular diet analysis using fecal DNA metabarcoding reveals the whole and the core diet of the critically endangered Kolar leaf-nosed bat *Hipposideros hypophyllus* and its congeners. 10.21203/rs.3.rs-4498258/v1.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				Within the broader project region, the presence of rocky terrain and potential subterranean cavities indicates that suitable roosting habitats may occur, even though these would be highly localised and not widespread. This type of ecological requirement points to site-level importance wherever confirmed roosts exist. Given its very restricted distribution and conservation importance, along with its reliance on specific and limited habitat features, the species meets the conditions of both Criterion 1 and Criterion 2 in relation to the project landscape. Therefore, this species is screened in.	
216.	Andersen's Roundleaf Bat (<i>Hipposideros Pomona</i>) Srinivasulu, C., Srinivasulu, B. & Srinivasulu, A. 2020. <i>Hipposideros pomona</i>. <i>The IUCN Red List of Threatened Species</i> 2020: e.T180990825A180990948. https://dx.doi.org/10.2305/IUCN.UK.2020-3.RLTS.T180990825A180990948.en. Accessed on 02 June 2026.	IUCN: Endangere d WPAA, 2023: NA Restricted Range: No Migrant: No	1 a	Andersen's Roundleaf Bat is a cave-roosting bat species distributed across South and Southeast Asia, where it occupies subterranean habitats such as caves, tunnels, and abandoned structures, with foraging occurring in forested and semi-natural landscapes. The species typically shows strong fidelity to roosting sites, where individuals congregate in colonies under stable microclimatic conditions. Although it is not geographically restricted to a narrow region, its ecological dependence on specific roosting environments and	In

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				surrounding foraging habitats makes local populations sensitive to disturbance, particularly in areas where cave systems or suitable roosts coincide with development activity.²¹⁹ Within the broader project region, the presence of rocky terrain and potential cave or crevice systems indicates that suitable roosting habitats may occur at localised points, while surrounding vegetation can support foraging activity. Such conditions highlight the importance of site-specific habitat features where the species is present. Given its conservation status and potential occurrence in roosting habitats within or near the project landscape, the species is relevant under Criterion 1 as a globally threatened species, warranting further consideration. Therefore, this species is screened in.	
217.	Lion-tailed Macaque (<i>Macaca Silenus</i>) Singh, M., Kumar, A. & Kumara, H.N. 2020. <i>Macaca silenus</i>. <i>The IUCN Red List of Threatened Species</i> 2020: e.T12559A17951402. https://dx.doi.org/10.2305/IUCN.UK.2020-2.RLTS.T12559A17951402.en. Accessed on 02 June 2026.	IUCN: Endangere d WPAA, 2023: Schedule-I	1 a; 2a	Lion-tailed Macaque is a forest-dependent primate endemic to the Western Ghats, strongly associated with tropical evergreen and semi-evergreen forests, where it occupies upper canopy layers and depends heavily on tree-based food resources.	In

²¹⁹ Sunil, A.M., 2023. *Phylogenetic analysis of the endemic and threatened bat Hipposideros pomona K. Andersen, 1918 (Chiroptera: Hipposideridae) in the Western Ghats*. M.Sc. Thesis. Faculty of Forestry, Kerala Agricultural University, Vellanikkara, Thrissur, Kerala, India.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
		Restricted Range: Yes Migrant: No		The species occurs in fragmented but regionally confined habitats, often restricted to isolated forest patches and protected areas, and is highly sensitive to habitat degradation and fragmentation. Its populations are typically localised and dependent on intact canopy connectivity.²²⁰²²¹ As the project intersects Western Ghats forests that may support suitable habitat, the species falls within the scope of both restricted-range and threatened species considerations. Therefore, this species is screened in.	
218.	Indian Pangolin (<i>Manis crassicaudata</i>) Mahmood, T., Challender, D., Khatiwada, A., Andleeb, S., Perera, P., Trageser, S.J., Ghose, A. & Mohapatra, R.K. 2019. <i>Manis crassicaudata</i>. <i>The IUCN Red List of Threatened Species</i> 2019: e.T12761A123583998. https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T12761A123583998.en. Accessed on 02 June 2026.	IUCN: Endangere d WPAA, 2023: Schedule-I Restricted Range: No Migrant: No	1 a	Indian Pangolin is a widely distributed but low-density species, occurring across a variety of habitats including forests, scrublands, agricultural landscapes, and degraded areas. It is a nocturnal and burrowing mammal, dependent on termite and ant populations for food. Despite its wide distribution, the species is under significant pressure due to poaching and habitat disturbance, and individuals are	In

²²⁰ Singh, Mewa & Kumara, Honnavalli & Mavatur, Anandakumar & Sharma, Ananthakrishna & DEFALCO,. (2000). Status and conservation of lion-tailed macaques and other arboreal mammals in tropical rainforests of Sringeri Forest Range, Western Ghats, Karnataka, India. Primate Report. 58. 5-16.

²²¹ Kumara, H.N., Singh, M. Distribution and Abundance of Primates in Rain Forests of the Western Ghats, Karnataka, India and the Conservation of *Macaca silenus* . *International Journal of Primatology* **25**, 1001–1018 (2004). <https://doi.org/10.1023/B:IJOP.0000043348.06255.7f>

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				typically rare and sparsely distributed across landscapes. ²²² With suitable habitats such as scrublands, forest edges, and semi-natural areas present within the project region, the species is relevant due to its conservation status and occurrence potential. Therefore, this species is screened in.	
219.	Tiger (<i>Panthera tigris</i>) Goodrich, J., Wibisono, H., Miquelle, D., Lynam, A.J., Sanderson, E., Chapman, S., Gray, T.N.E., Chanchani, P. & Harihar, A. 2022. <i>Panthera tigris</i> . <i>The IUCN Red List of Threatened Species</i> 2022: e.T15955A214862019. https://dx.doi.org/10.2305/IUCN.UK.2022-1.RLTS.T15955A214862019.en . Accessed on 02 June 2026.	IUCN: Endangere d WPAA, 2023: Schedule-I Restricted Range: No Migrant: No	1 a c; 3 a	Tiger is a large apex predator dependent on extensive forest habitats, including dry and moist deciduous forests, grasslands, and forest mosaics, requiring large territories with adequate prey base and habitat connectivity. Populations are typically concentrated in protected areas and surrounding buffer landscapes, but individuals can disperse across wider forested corridors connecting habitats. The species is highly sensitive to disturbance, fragmentation, and loss of connectivity. ²²³²²⁴ The presence of Western Ghats landscapes within the project region, including corridors and forest patches, makes the species relevant in terms of	In

²²² Mishra, S., Kumar, N. and Kumar, S., Habitat, dietary preferences, foraging strategies and conservation measures of Indian Pangolin (*Manis crassicaudata* Gray, 1827): A conservation & awareness approach.

²²³ Sarkar, M.S., Niyogi, R., Masih, R.L., Hazra, P., Maiorano, L. and John, R., 2021. Long-distance dispersal and home range establishment by a female sub-adult tiger (*Panthera tigris*) in the Panna landscape, central India. *European Journal of Wildlife Research*, 67(3), p.54.

²²⁴ Gubbi, S., Mukherjee, K., Swaminath, M.H. and Poornesha, H.C., 2016. Providing more protected space for tigers *Panthera tigris*: a landscape conservation approach in the Western Ghats, southern India. *Oryx*, 50(2), pp.336-343.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
				landscape-level conservation importance. Therefore, this species is screened in.	
220.	Nilgiri Long-tailed Tree Mouse (<i>Vandeleuria nilagirica</i>) Molur, S. 2016. <i>Vandeleuria nilagirica</i> (errata version published in 2017). <i>The IUCN Red List of Threatened Species</i> 2016: e.T136372A115206829. https://dx.doi.org/10.2305/IUCN.UK.2016-3.RLTS.T136372A22430640.en. Accessed on 02 June 2026.	IUCN: Endangere d WPAA, 2023: Schedule-I Restricted Range: Yes Migrant: No	1 a; 2 a	Nilgiri Long-tailed Tree Mouse is a Western Ghats endemic species, associated with montane forests, shola–grassland mosaics, and high-elevation habitats. It is an arboreal rodent, occupying tree and shrub layers, and is typically encountered at low densities.²²⁵²²⁶ The species is confined to a limited geographic range within the Western Ghats, and its distribution is closely tied to specific montane habitats. Given its restricted occurrence within Western Ghats ecosystems intersecting the project region, it fits within the definition of a restricted-range species. Therefore, this species is screened in.	In
221.	Malabar Civet (<i>Viverra civettina</i>) Mudappa, D., Helgen, K. & Nandini, R. 2016. <i>Viverra civettina</i>. <i>The IUCN Red List of Threatened Species</i> 2016: e.T23036A45202281. https://dx.doi.org/10.2305/IUCN.UK.2016-1.RLTS.T23036A45202281.en. Accessed on 02 June 2026.	IUCN: Critically Endangere d WPAA, 2023: Schedule-I	1 a; 2 a	The Malabar Large-spotted Civet is a highly range-restricted species confined to the Western Ghats region, historically associated with coastal lowland forests, scrub, and plantation mosaics.	In

²²⁵ Molur, S., 2009. Non-volant small mammals of the Western Ghats of Coorg District, southern India. *Journal of Threatened Taxa*.

²²⁶ Nazareth, O., Srivathsa, A. and Ramachandran, V., 2024. Trunks and treetops: integrating terrestrial and arboreal camera-trap surveys to document elusive mammal communities in India. *Mammal Research*, 69(1), pp.43-52.

Sr No	Species Common Name Distribution	IUCN Red List v.2025-2 Category WPAA, 2023 Schedule	CH Criterion	Screening Rationale	Screened in/Out
		Restricted Range: Yes Migrant: No		The species is now extremely rare, with records largely confined to specific localised areas, indicating strong dependence on limited habitat pockets within its restricted range.²²⁷ Its occurrence is tied to low-elevation Western Ghats landscapes, which may overlap with areas influenced by the project. Given this combination of restricted distribution and conservation importance, the species falls clearly within the scope of Criterion 1 and Criterion 2. Therefore, this species is screened in.	

²²⁷ Rajamani, Nandini & Mudappa, Divya. (2010). Mystery or myth: a review of history and conservation status of the Malabar Civet *Viverra civettina* Blyth, 1862. Small Carnivore Conservation. 43. 47-59.

The species identified above as potential critical habitat candidates in Table 3-1 were evaluated against the qualitative thresholds outlined in the IFC PS 6 Critical Habitat Assessment criteria presented in Table 0-2. Species that are mentioned in the below table needed further assessment against the quantitative thresholds outlined in the IFC PS 6 Critical Habitat Assessment criteria presented in Table 0-1.

Table 0-2 List of species screened into critical habitat assessment

Sl.No.	Class	Common name	Scientific Name
1.	Aves	Great Indian Bustard	<i>Ardeotis nigriceps</i>
2.		Lesser Florican	<i>Sypheotides indicus</i>
3.	Reptilia	Gund Day Gecko	<i>Cnemaspis heteropholis</i>
4.		Nilgiri Dwarf Gecko	<i>Cnemaspis indica</i>
5.		Das's Day Gecko	<i>Cnemaspis indraneildasii</i>
6.		Jerdon's Day Gecko	<i>Cnemaspis jerdonii</i>
7.		Coastal Day Gecko	<i>Cnemaspis littoralis</i>
8.		Mysore Day Gecko	<i>Cnemaspis mysorensis</i>
9.			<i>Cyrtodactylus</i>
		Deccan Banded Gecko	<i>albofasciatus</i>
10.		Bangalore Geckoeella	<i>Cyrtodactylus srilekhae</i>
11.		Ashok's Bronzeback Tree Snake	<i>Dendrelaphis ashoki</i>
12.		Karnataka Bronzeback	<i>Dendrelaphis chairecacos</i>
13.		Giri's Bronzeback Tree Snake	<i>Dendrelaphis giri</i>
14.		Large-eyed Bronzeback	<i>Dendrelaphis grandoculis</i>
15.		-	<i>Hemiphyllodactylus jnana</i>
16.			<i>Pseudoindotyphlops</i>
		Belgaum Worm Snake	<i>exiguus</i>
17.		Beddome's Ground Skink	<i>Kaestlea beddomii</i>
18.		Two-lined Ground Skink	<i>Kaestlea bilineata</i>
19.		Water Rhabdops	<i>Rhabdops aquaticus</i>
20.		Olive Forest Snake	<i>Rhabdops olivaceus</i>
21.		Darwin's Large Fan-throated Lizard	<i>Sarada darwini</i>
22.		Deccan Fan-throated Lizard	<i>Sarada deccanensis</i>
23.		Gokak Fan-throated Lizard	<i>Sitana gokakensis</i>
24.		Cuvier's Shieldtail	<i>Uropeltis ceylanica</i>
25.		Beddome's Coral Snake	<i>Calliophis beddomei</i>
26.		Castoe's Coralsnake	<i>Calliophis castoe</i>
27.		Large-scaled Forest Lizard	<i>Calotes grandisquamis</i>
28.		Nilgiri Forest Lizard	<i>Calotes nemoricola</i>
29.			<i>Melanophidium</i>
		Indian Black Earth Snake	<i>wynaudense</i>
30.		Salty Earth Snake	<i>Rhinophis sanguineus</i>
31.		Beddome's Cat Skink	<i>Ristella beddomii</i>
32.		Hampi Rock Gecko	<i>Hemidactylus siva</i>
33.		Goan Day Gecko	<i>Cnemaspis goaensis</i>
34.		Adi's Day Gecko	<i>Cnemaspis adii</i>
35.	Mammalia	Dhole	<i>Cuon alpinus</i>
36.		Asian Elephant	<i>Elephas maximus</i>
37.		Kolar Leaf-nosed Bat	<i>Hipposideros hypophyllus</i>
38.		Andersen's Roundleaf Bat	<i>Hipposideros pomona</i>
39.		Lion-tailed Macaque	<i>Macaca silenus</i>
40.		Indian Pangolin	<i>Manis crassicaudata</i>

41.		Tiger	<i>Panthera tigris</i>
42.		Nilgiri Long-tailed Tree Mouse	<i>Vandeleuria nilagirica</i>
43.		Malabar Civet	<i>Viverra civettina</i>

Delineation of Ecologically Appropriate Areas of Analysis

44. The IFC PS 6 states that the project should identify an ecologically appropriate area of analysis to determine the presence of critical habitat for each species with regular occurrence in the project's area of influence, or ecosystem, covered by Criteria 1-4. The client should define the boundaries of this area taking into account the distribution of species or ecosystems (within and sometimes extending beyond the project's area of influence) and the ecological patterns, processes, features, and functions that are necessary for maintaining them. These boundaries may include catchments, large rivers, or geological features.
45. The client will use this area of analysis to assess applicability of the critical habitat criteria and thresholds (see paragraphs GN70–GN83 of this note) to determine critical habitat for the species and/or ecosystems concerned. Critical habitats boundaries should be equivalent in scale to areas mapped for practical site-based conservation management activities.
46. For some wide-ranging species, critical habitat may be informed by areas of aggregation, recruitment, or other specific habitat features of importance to the species. In all cases, the critical habitat should consider the distribution and connectivity of such features in the landscape/seascape and the ecological processes that support them. Where it can be shown that multiple values have largely overlapping ecological requirements and distributions, a common or aggregated area of critical habitat may be appropriate.
47. The final area(s) of critical habitat against which project impacts will be assessed should be revised based on additional knowledge documented through field work and other assessment after the initial critical habitat assessment has been conducted.
48. In the first phase of the assessment, EAAAs were delineated for the species whose distribution ranges were readily available on public domains and published literature, as well as determined through primary surveys during summers. The EAAAs are as follows:

Broadleaf Forests EAAA

49. The Western Ghats is a mountain range that runs from Dangs in the north to Kanyakumari in the south, passing through Karnataka. The Ghats are parallel to the western coast of India. Older than the great Himalayan mountain chain, the Western Ghats of India are a geomorphic feature of immense global importance. The Outstanding Universal Value of the Western Ghats is manifested in the region's unique and fascinating influence on large-scale biophysical and ecological processes over the entire Indian peninsula. The mountains of the Western Ghats and their characteristic montane forest ecosystems influence the Indian monsoon weather patterns that mediate the warm tropical climate of the region, presenting one of the best examples of the tropical monsoon system on the planet. The Ghats act as a key barrier, intercepting the rain-laden monsoon winds that sweep in from the south-west during late summer. A significant characteristic of the Western Ghats is the exceptionally high level of biological diversity and endemism. This mountain chain is recognised as one of the world's eight 'hottest hotspots' of biological diversity along with Sri Lanka. The forests of the Western Ghats include some of the best representatives of non-equatorial tropical evergreen forests in the world. At least 325 globally threatened (IUCN Red Data List) species occur in the Western Ghats. The globally threatened flora and fauna in the

Western Ghats are represented by 229 plant species, 31 mammal species, 15 bird species, 43 amphibian species, 5 reptile species and 1 fish species. Of the total 325 globally threatened species in the Western Ghats, 129 are classified as Vulnerable, 145 as Endangered and 51 as Critically Endangered. Numerous protected areas including national parks, wildlife sanctuaries, tiger and elephant reserves, as well as other conservation and community reserves occur. The Western Ghats support Tropical and Subtropical Moist Broadleaf Forests Biome comprising North Western Ghats Montane Rain Forests and North Western Ghats Moist Deciduous Forests. Some biodiversity features occurring within these broadleaf forests, such as elephant, tiger, and dhole also extend into the adjoining Southern Deccan Plateau Dry Deciduous Forests, belonging to the Tropical and Subtropical Dry Broadleaf Forests Biome.

50. The Tropical and Subtropical Moist and Dry Broadleaf Forests were thereby delineated as EAAAs for elephant, tiger, dhole, as well as the range-restricted species of the Western Ghats. The Broadleaf Forests EAAA also overlaps well with the likely and potential critical habitats as described in Dunnett et al. (2025)²²⁸. The EAAA also encompasses two Alliance for Zero Extinction (AZE) sites, which can be considered as *de facto* critical habitats, namely Kudremukh National Park and Kemmangundi and Bababudan Hills.
51. For non-Western Ghats critical habitat candidate species, separate EAAAs were delineated encompassing their known distributions and suitable habitats within the distribution ranges.

Additional EAAAs

- Hampi-Ballari EAAA: The EAAA encompasses the Hampi World Heritage Site, which is the type locality of two threatened and range-restricted geckos, namely Adi's Day Gecko [*Cnemaspis adi*; CR (IUCN v.2025-2)] and Siva Rock Gecko [*Hemidactylus siva*; EN (IUCN v.2025-2)]. While the former is known only from the type locality, the latter has been reported from additional localities including the Sandur hills and other nearby areas. The EAAA was thereby delineated to encompass the Hampi World Heritage Site, as well as the Sandur hills and other possible areas where the species may occur. Daroji Sloth Bear Sanctuary is included in this EAAA. The EAAA extends up to the southern rocky banks of the river Tungabhadra to the north, along the Tungabhadra reservoir to the west, the southern tip of the Sandur hills to the south, and at the modified habitats of Ballari city to the east (Figure 0-4).
- *Pseudoindotyphlops exiguus* EAAA: The EAAA was conservatively defined by its currently known range in Belagavi (Figure 0-7).
- *Sitana gokkakensis* EAAA: The species is restricted to the type locality, i.e., the Gokak Plateau, which is characterised by open rocky habitats harbouring thorny vegetation and dwarf succulents. Accordingly, the EAAA was defined as the rocky plateau ecosystem encompassing the species' known distribution (Figure 0-9).
- *Sarada darwini* EAAA: It is associated with open dry habitats of the northern Western Ghats–Deccan Plateau transition zone and is not restricted to broadleaf forest ecosystems. Accordingly, the EAAA was defined using the species' known distributional range (Figure 0-8).
- Mysore Plateau Endemic Geckos EAAA: The EAAA encompasses the known distribution ranges of two range-restricted species, namely, *Cyrtodactylus srilekhae* and *Hemiphyllodactylus jnana*. The two species have been described from the outskirts of Bengaluru and thereby occur in modified as well as natural habitats of the Mysore Plateau. The EAAA extends from Tumkur in the north and ends at the Karnataka-Tamil Nadu border to the south. It extends into the Bannerghatta National

²²⁸ Dunnett, S., Muge, A., Ross, A., Turner, J. A., Burgess, N. D., Jones, M., & Brooks, S. (2025). An update to the global Critical Habitat screening layer. *Scientific Data*, 12(1), 1812.

Park to the west and terminates at the Kolar-Chikaballapura area to the east. The EAAA also encompasses the Kamsandra Wildlife Sanctuary (Figure 0-6).

- *Hipposideros hypophyllus* EAAA: The species is restricted to the Kolar Leaf-nosed Bat Conservation Reserve, and feeds in areas in ~5 km vicinity from the cave. The species earlier was reported from the Therahalli cave. The area between the two caves and the surrounding 5 km buffer have been considered the EAAAs for the species, to cover the suitable granulitic caves that the species occupies and may occupy in the future. The EAAA also encompasses the *de facto* critical habitat cave near Hanumanahalli, which is an AZE site (Figure 0-5).

Figure 0-1: Ecological Sensitivities Map of Karnataka

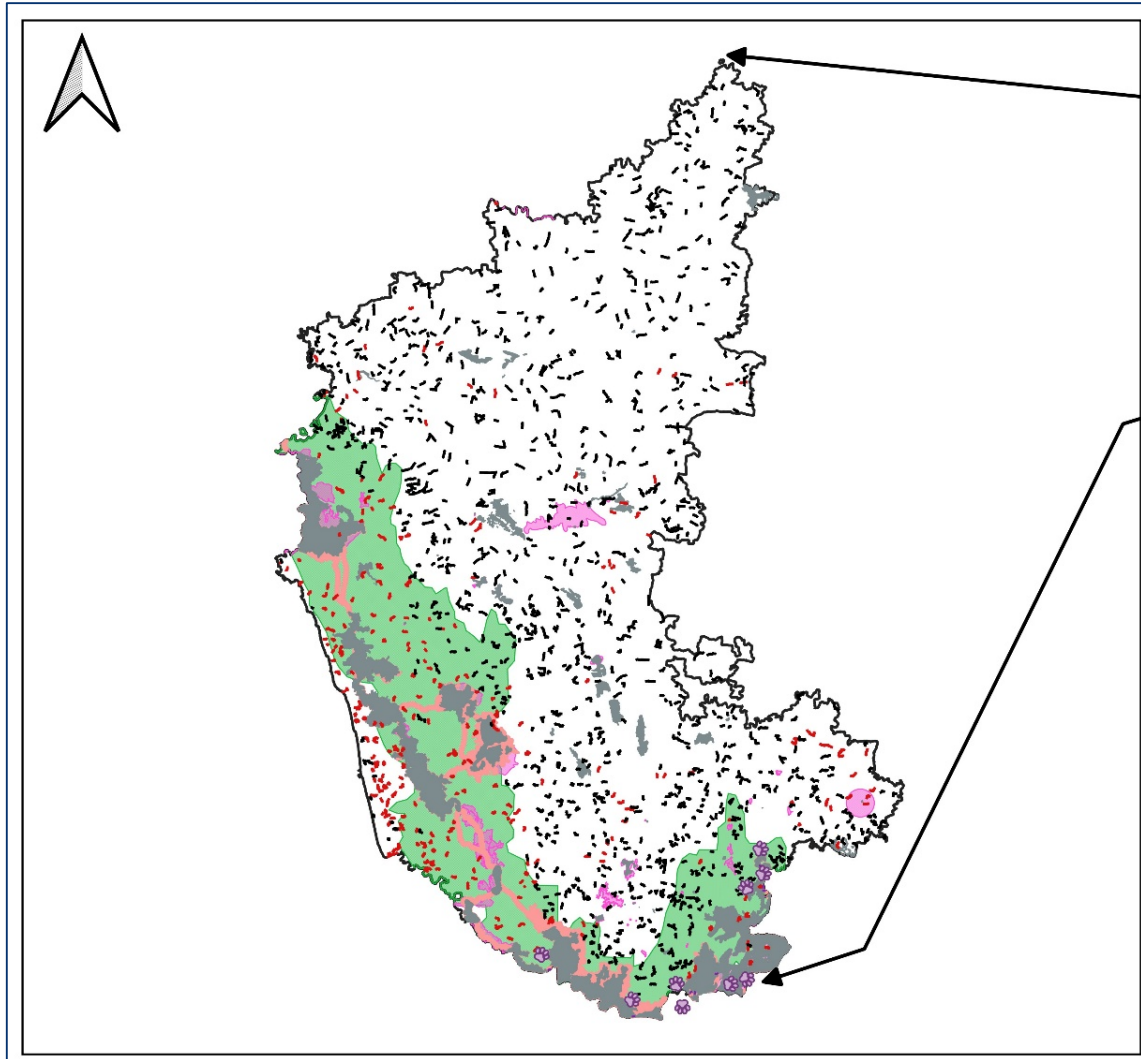


Figure 0-2: A Map Showing the Degree of Overlap Likely and Potential Critical Habitats and the Broadleaf Forests EAAA

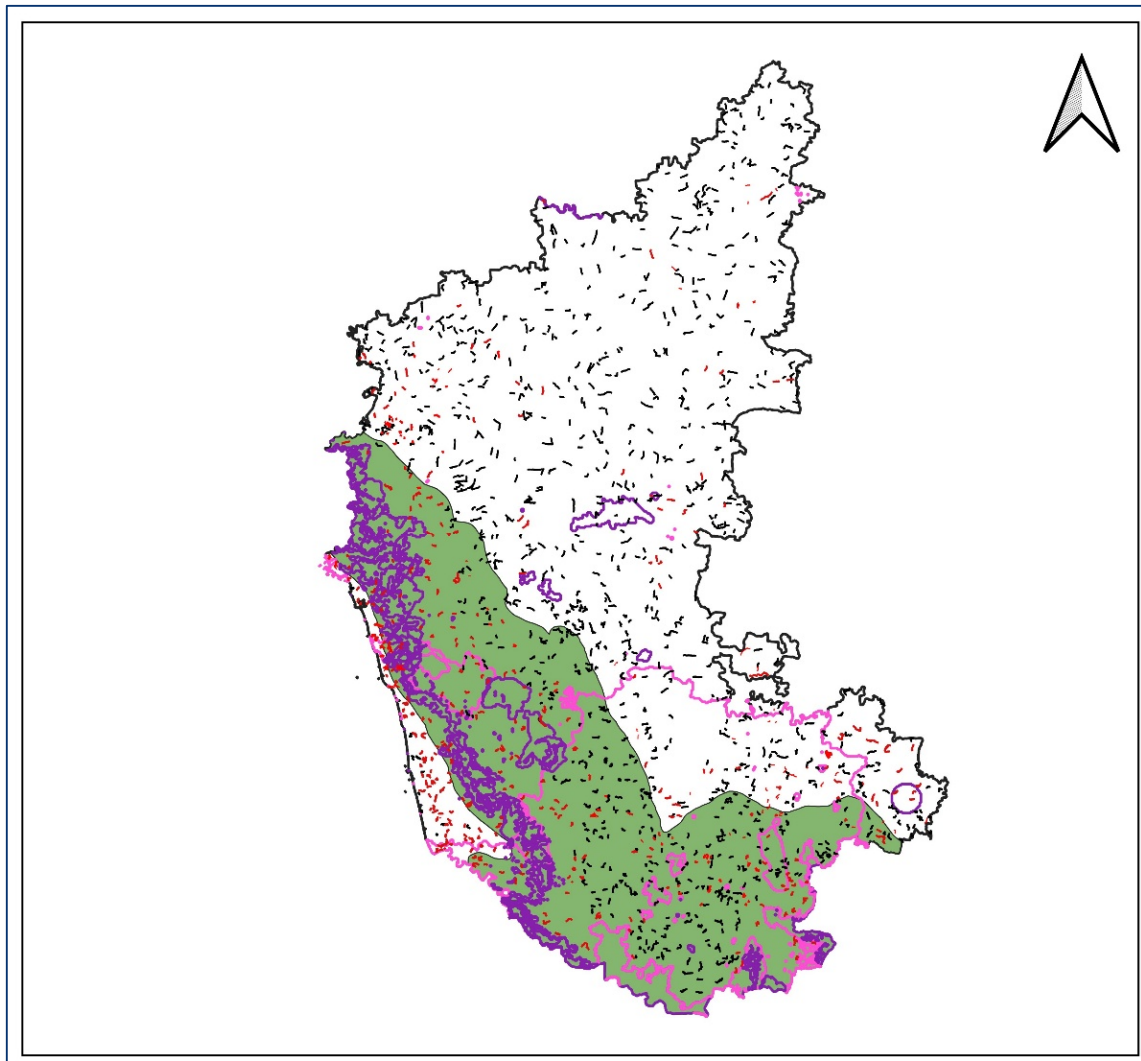


Figure 0-3: Broadleaf Forests EAAA

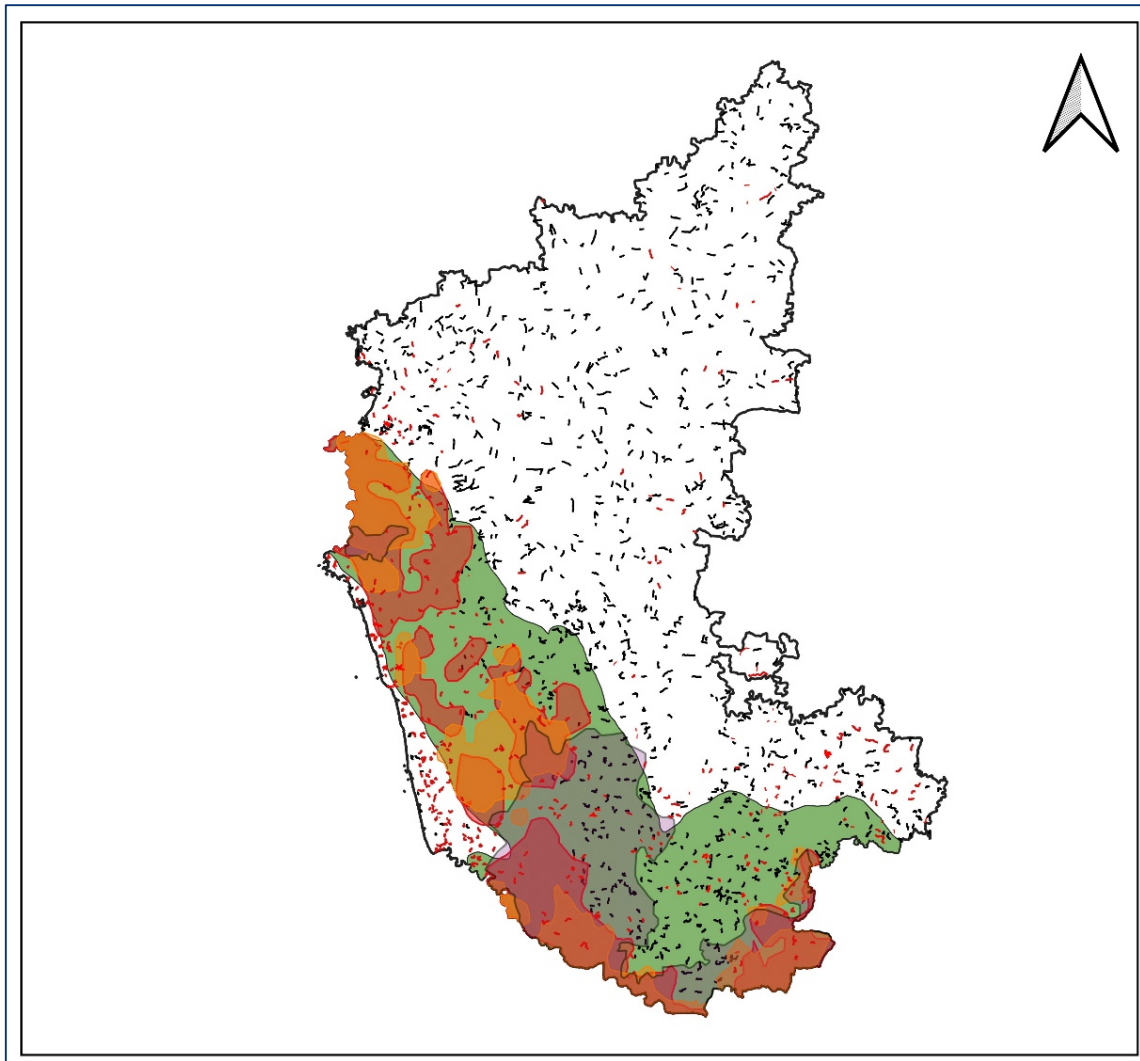


Figure 0-4: Hampi and Daroji EAAA

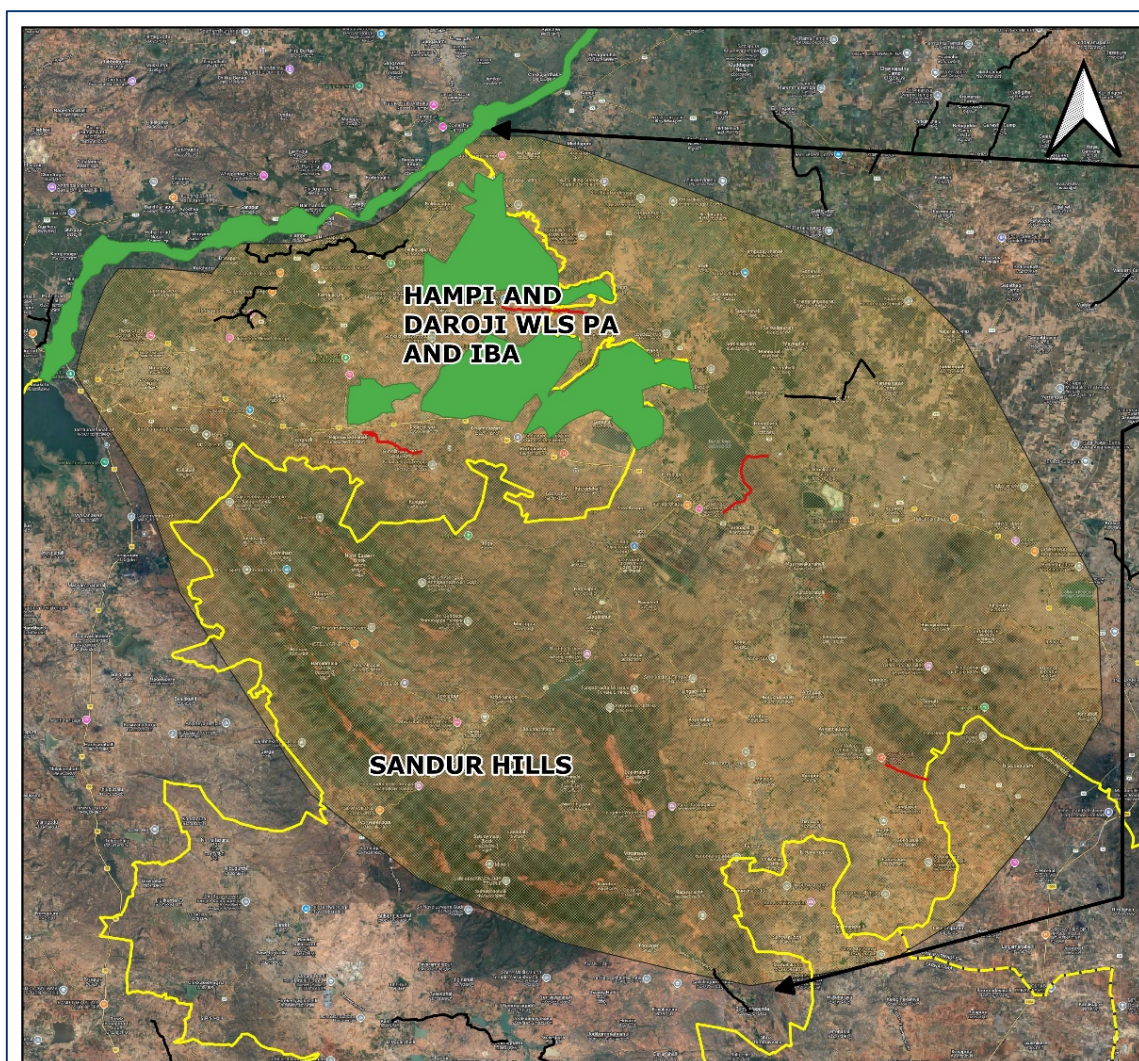


Figure 0-5: Kolar Leaf-Nosed Bat (*Hipposideros hypophyllus*) EAAA

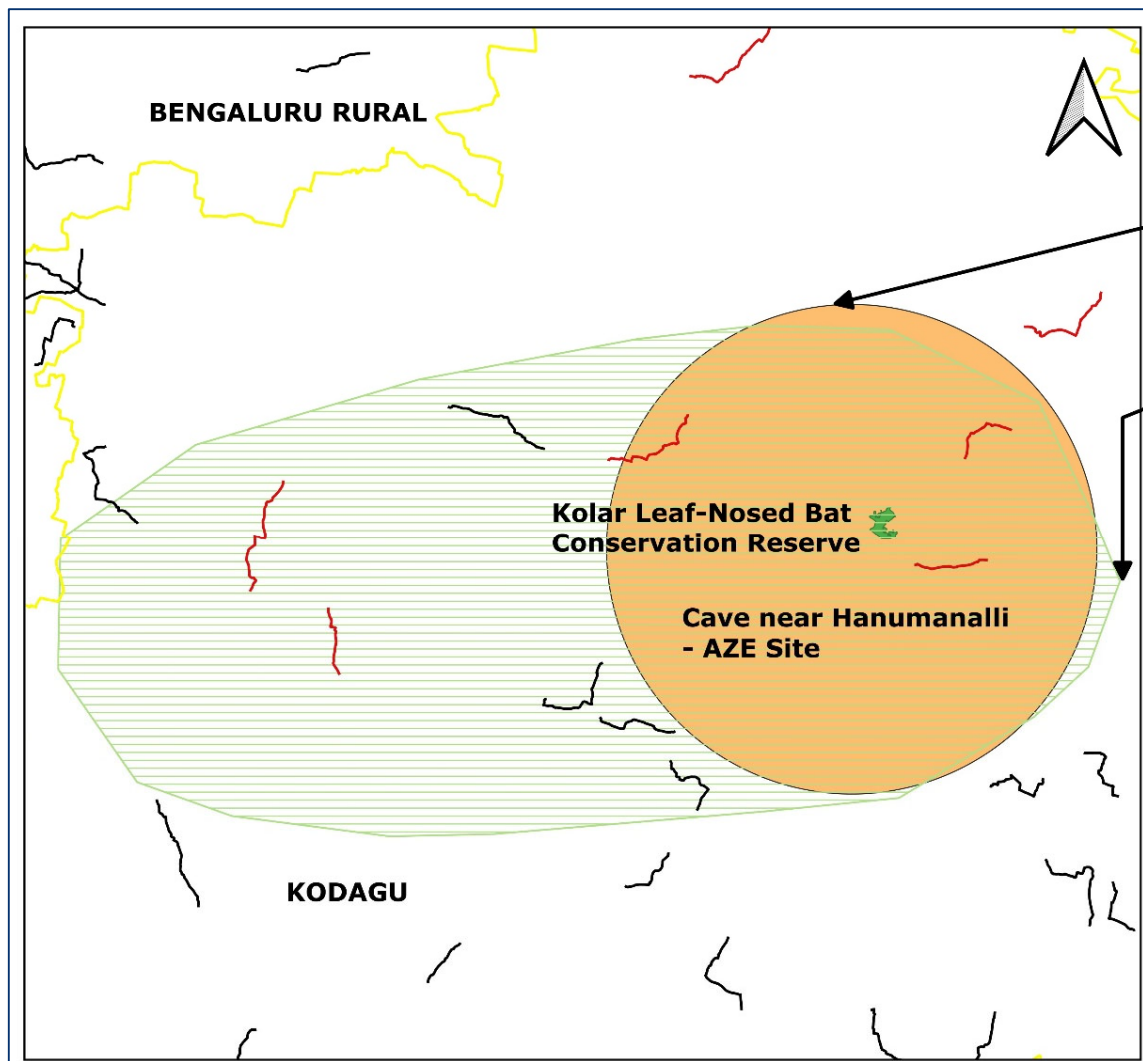


Figure 0-6: Mysore Plateau Restricted Range Gecko EAAA

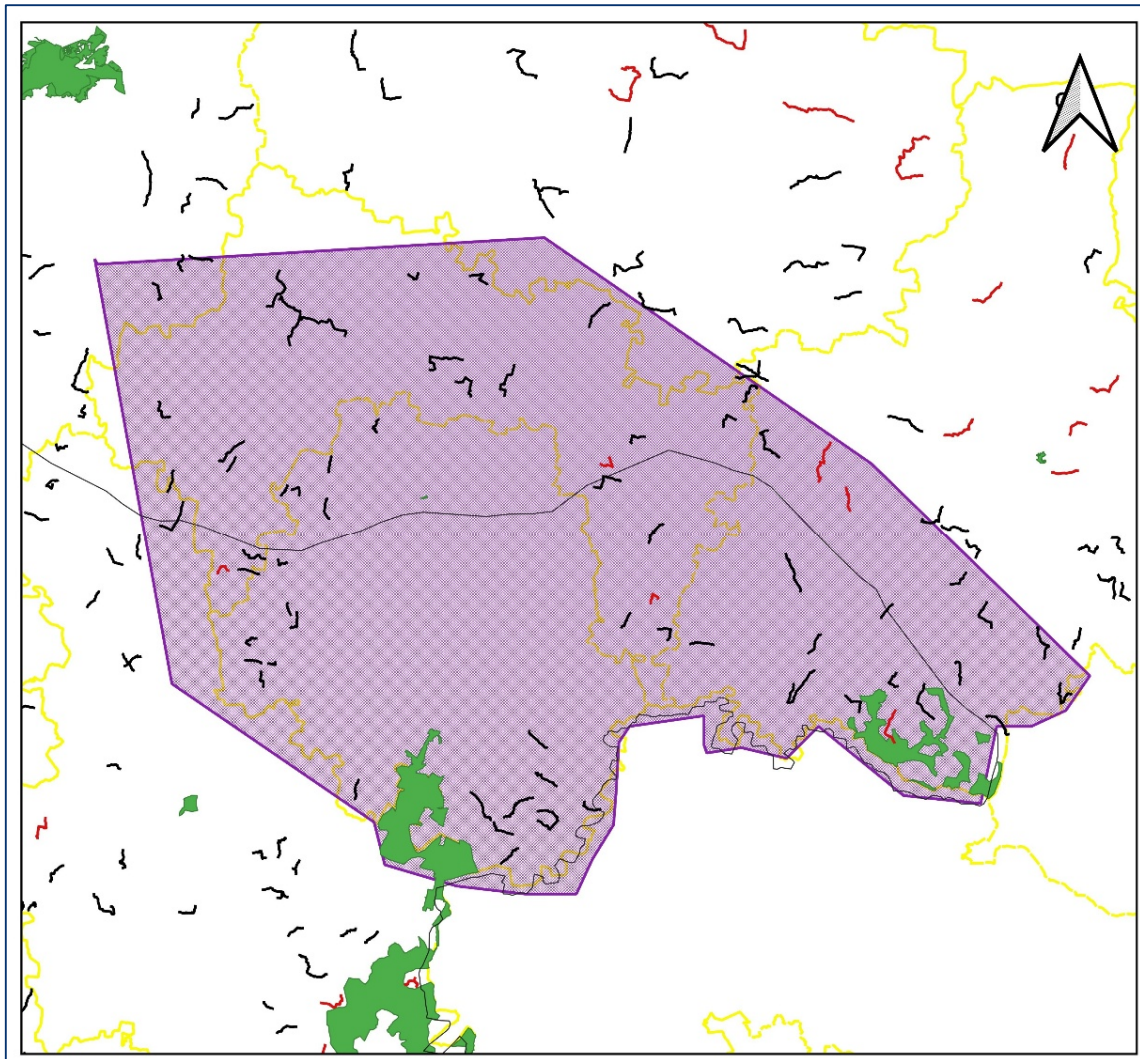


Figure 0-7: EAAA delineated for *Pseudoindotyphlops exiguus*

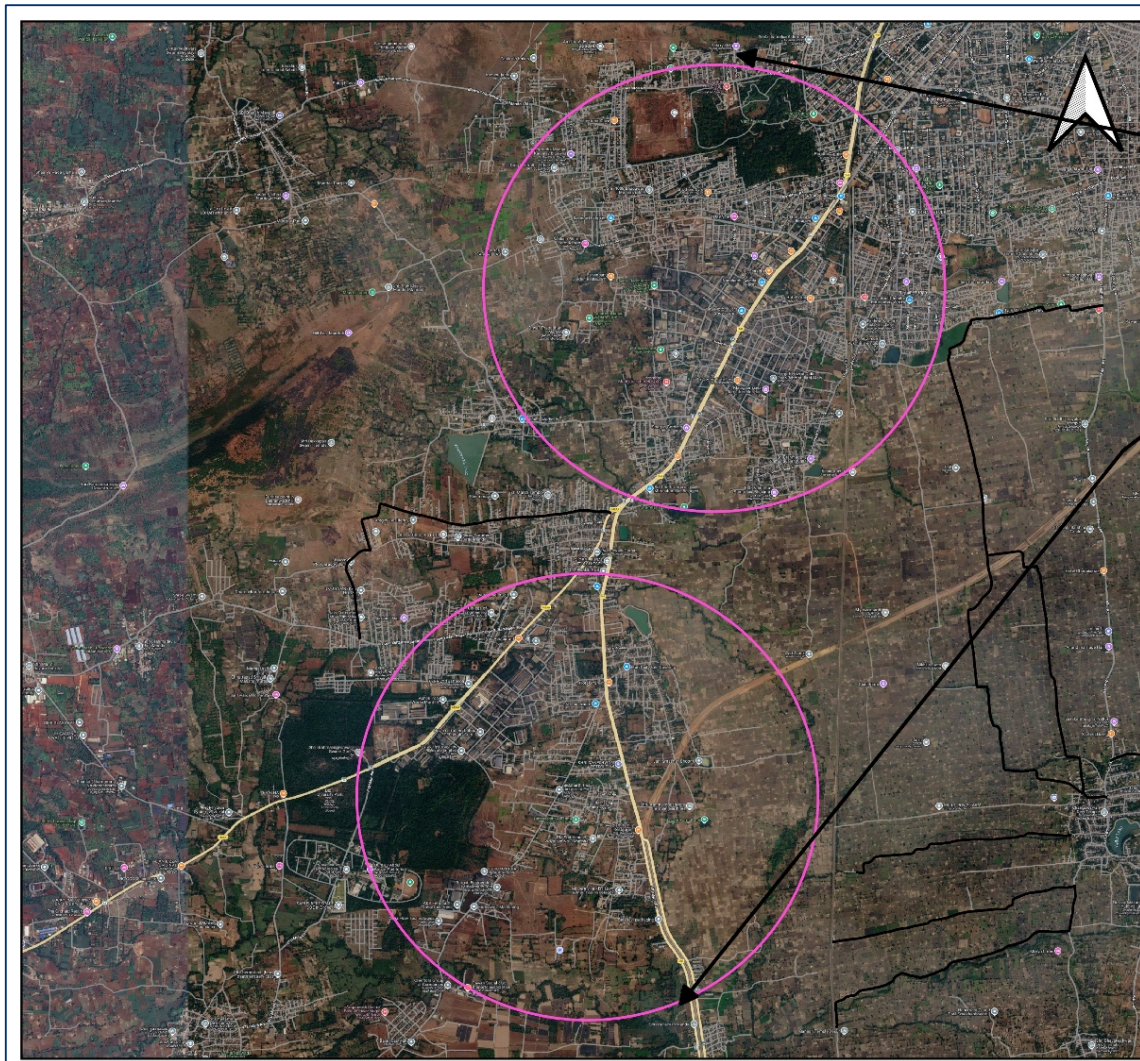


Figure 0-8: EAAA delineated for *Sarada darwini*

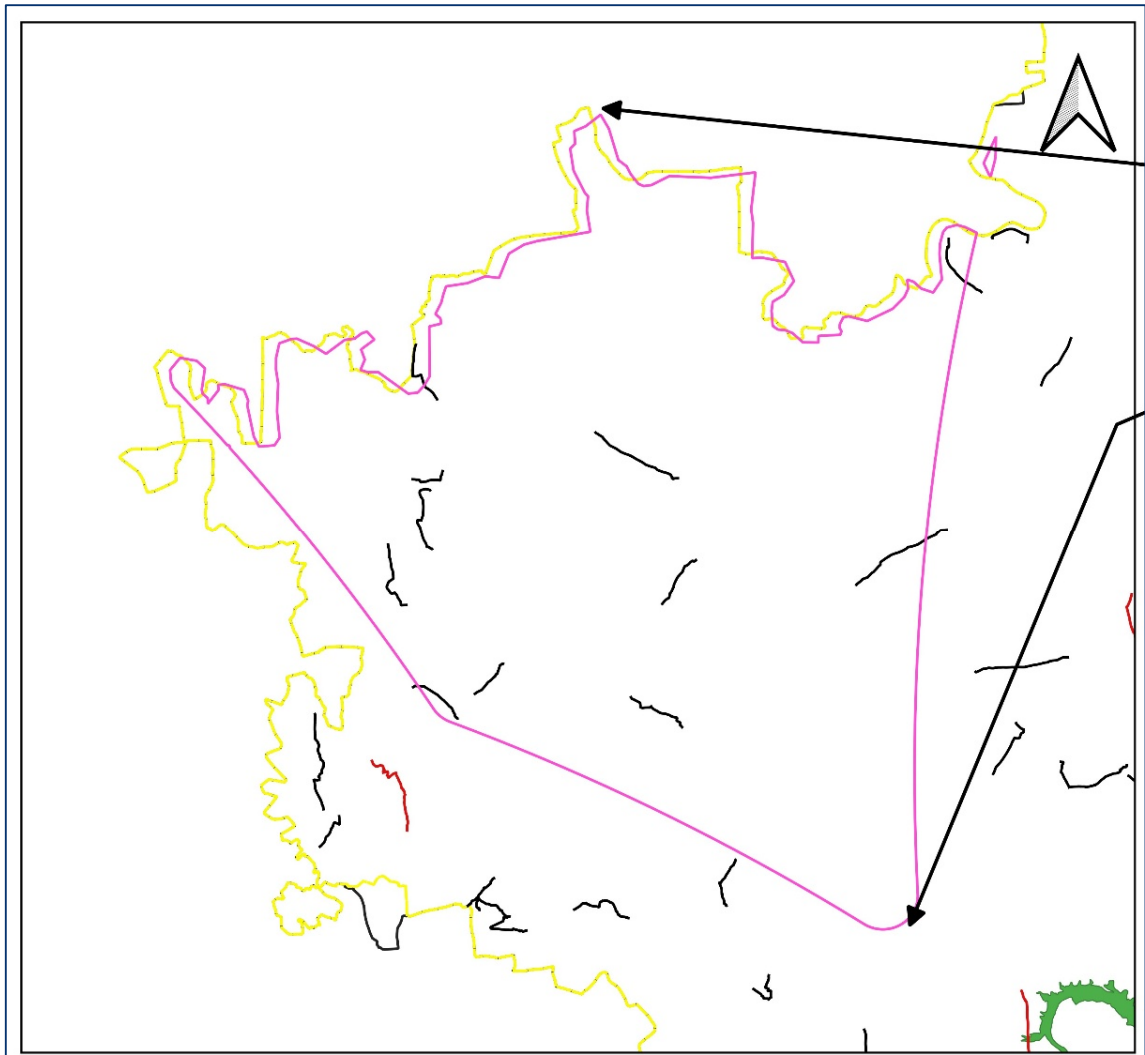
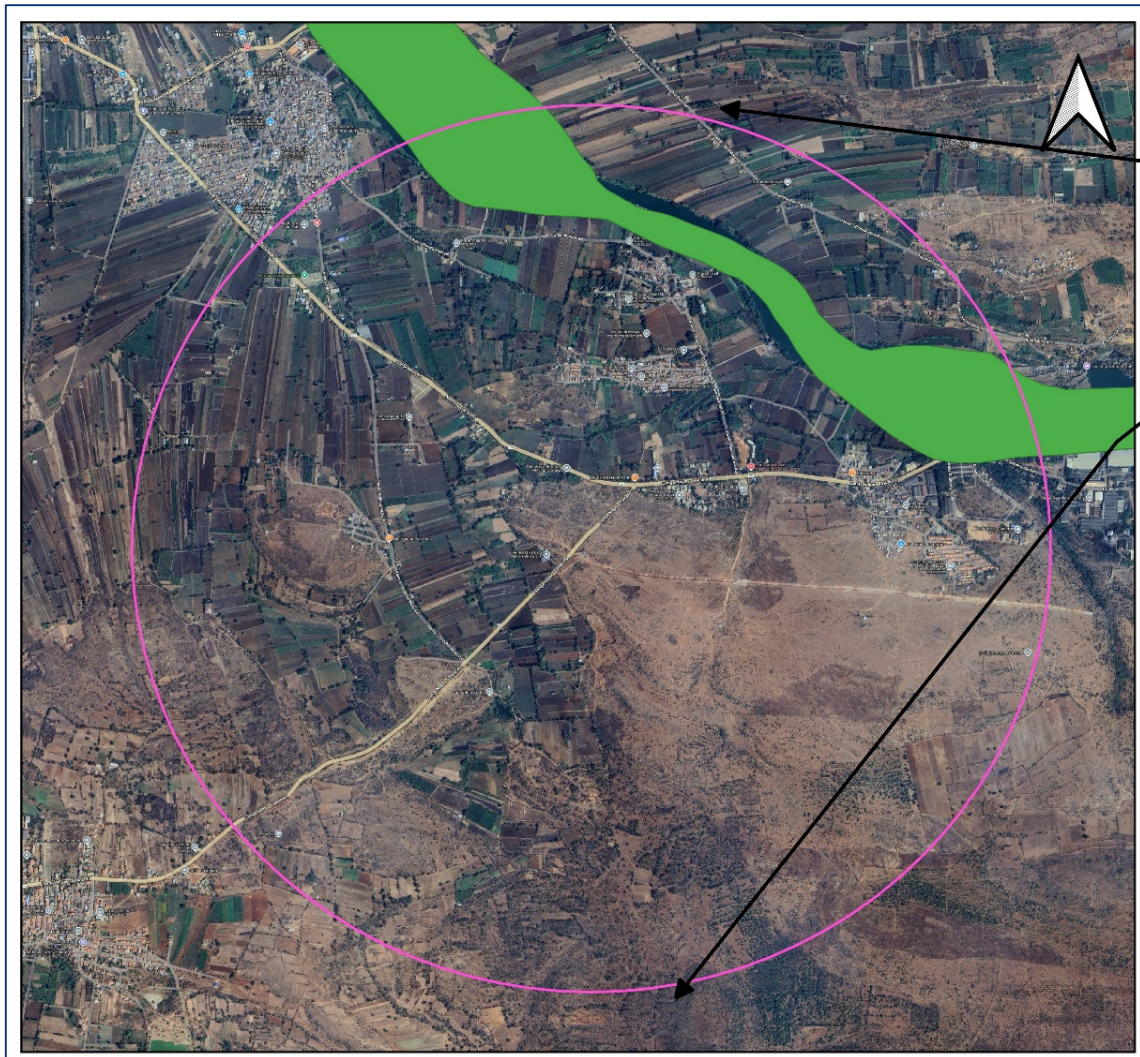


Figure 0-9: EAAA delineated for *Sitana gokakensis*



Critical Habitat Assessment

Table 0-1 Quantitative analysis of Screened-in Species (ADB SPS bullet points 1 to 4 and IFC PS 6 CH Criteria 1 to 3)

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Kolar Leaf-nosed Bat <i>Hipposideros hypophyllus</i>	Critically Endangered Schedule I	1 a, c 2	The EAAA of the species encompasses the Kolar Leaf-nosed Bat Conservation Reserve, a legally protected area, which hosts the Hanumanahalli cave, where the species occurs. The species is restricted to the cave and the conservation reserve, with its entire population occurring within the cave. The other cave where the species historically also occurred, Therahalli, is also a part of the EAAA. The species feeds within 5 km of the caves; the EAAA thereby encompassed the two caves as well as the surrounding 5 km of the caves. The EAAA hosts between 150 and 200 individuals of the species; the EAAA supports 100% of the global population of the species, exceeding the threshold of $\geq 0.5\%$ of the global population and ≥ 5 reproductive units under criterion 1, and the $\geq 10\%$ global population and ≥ 10 reproductive units' threshold under criterion 2.	Yes

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Asian Elephant <i>Elephas maximus</i>	Endangered Schedule I	1 a, c 3	The species occurs in 33 forest divisions in Karnataka. The total area from where the species has been recorded in the state amounts to ~9,000 km². The species occurs in grassland, tropical evergreen forest, semi-evergreen forest, moist deciduous forest, dry deciduous forested and dry thorn forest, in addition to cultivated and secondary forests or scrublands. The Broadleaf Forests EAAA explains the distribution of the species in the state. EAAA hosts ~6049 Asian Elephants. The global population estimate of the species is between 48,000 and 52,000 individuals; occurrence of 24 individuals of the species in the EAAA would be required for the species to qualify as a critical habitat trigger under criterion 1 a, including the criterion of 5 reproductive units. The abundance of over 6,000 individuals in the EAAA exceeds the threshold of 0.5% and 5 reproductive units under criterion 1. The EAAA is thereby considered a critical habitat for the Asian Elephant.	Yes
Tiger <i>Panthera tigris</i>	Endangered Schedule I	1 a, c 3	The species occurs in the Mookambika-Kali-Mhadei, Bhadra-Kudremukha, Nagarhole-Bandipur-Wayanad-Mudumlai-Sathyamanglam complexes, which covers an area of ~22,067 km² in the Western Ghats Broadleaf EAAA, which best explains the species' distribution. The Western Ghats tiger landscape is occupied by an estimated 960 tiger individuals (Fig II.3.2 of NTCA 2022). Of these, ~563 individuals occur in the EAAAs falling within Karnataka. The global abundance of the species is between 3,726 and 5,578 mature individuals. For the species to qualify as a critical habitat trigger under criterion 1 (0.5% of the global population and >5 reproductive units), the EAAA should host between 19 and 30 individuals. The estimated abundance of the tiger in the EAAA exceeds the threshold, and the species is considered to be a critical habitat triggering species.	Yes

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Dhole <i>Cuon alpinus</i>	Endangered Schedule I	1 a, c	The species occurs across the Western Ghats landscape in Karnataka, particularly within the Bhadra–Kudremukh, Nagarhole–Bandipur–Wayanad, and adjoining forest complexes, which together form part of a large contiguous forest block. These landscapes collectively represent the Broadleaf Forests EAAA, which supports a substantial portion of the species’ regional population. The Broadleaf Forest EAAA was considered for critical habitat assessment of the species. Globally, the number of mature individuals of the species is estimated to be between 1,000 to 2,300 individuals, which loosely translates to a population size of 4,500 to 10,500 individuals. IUCN v.2025-2 states that the estimated number of Dholes in Karnataka is between 207 to 304 individuals, comprising between 20 and 30 alpha males and females each. Under criterion 1 a, c, the species qualifies as a critical habitat triggering biodiversity value, as its numbers in the EAAA are higher than those required under the criterion, i.e., 23 to 53 individuals. The species is thereby considered a critical habitat triggering biodiversity value.	Yes

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Lion-tailed Macaque <i>Macaca silenus</i>	Endangered Schedule I	1 a, c 2	This species is endemic to the Western Ghats in southwestern India from the Kalakkad Hills (8°25'N) north to Sirsi-Honnava (14°55'N). The altitudinal range in which the species occurs is 100-1300 m ²²⁹ . The Broadleaf Forests EAAA explains the distribution of the species. The total wild population is estimated to be at 4,000 individuals. For the species to qualify as a critical habitat trigger under criteria 1 and 2, the EAAA should host at least 40 individuals and at least 10 reproductive units. Estimates presented in Molur et al (2003) ²³⁰ suggest that Karnataka hosts up to a third of the population of the species, i.e., ~1,300 individuals, which exceeds the thresholds significantly. The EAAA are thereby considered critical habitats for the species.	Yes
Indian Pangolin <i>Manis crassicaudata</i>	Endangered Schedule I	1 a, c	There is very limited information or data on population of this species at any level, and generally there is a lack of research on abundance ²³¹ . However, given that the species is likely to occur across forests, savannahs, shrubland, and grassland across Karnataka, the species has been cautiously considered a critical habitat triggering species.	Yes (precautionary)

²²⁹ Singh, M., Kumar, A. & Kumara, H.N. 2020. *Macaca silenus*. The IUCN Red List of Threatened Species 2020: e.T12559A17951402. <https://dx.doi.org/10.2305/IUCN.UK.2020-2.RLTS.T12559A17951402.en>. Accessed on 07 April 2026.

²³⁰ Sanjay Molur, Douglas Brandon-Jones, Wolfgang Dittus, Ardith Eudey, Ajith Kumar, Mewa Singh, M.M. Feeroz, Mukesh Chalise, Padma Priya, Sally Walker (2003). Status of South Asian Primates: Conservation Assessment and Management Plan (C.A.M.P.) Workshop Report, 2003. Zoo Outreach Organisation / CBSG-South Asia, Coimbatore, India, viii+432pp

²³¹ Mahmood, T., Challender, D., Khaliwada, A., Andleeb, S., Perera, P., Trageser, S.J., Ghose, A. & Mohapatra, R.K. 2019. *Manis crassicaudata*. The IUCN Red List of Threatened Species 2019: e.T12761A123583998. <https://dx.doi.org/10.2305/IUCN.UK.2019-3.RLTS.T12761A123583998.en>. Accessed on 07 April 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Malabar Civet <i>Viverra civettina</i>	Critically Endangered Schedule I	1 a, c 2	There are, doubts regarding the systematics of the species. The validity of the species has been questioned. ²³² The species is thereby not considered as a critical habitat triggering species; but this conclusion may be revised after more data have been collected during the following seasons' surveys.	No
Great Indian Bustard <i>Ardeotis nigriceps</i>	Critically Endangered Schedule I	1 a, c 2 3	Occurs in Karnataka where project roads occur, but more information regarding numbers and preferred habitats is required to determine the EAAA and CH status. Preliminary discussion with experts from Wildlife Institute of India indicate that the number of GIBs in the state varies on a year-to-year basis. As of July 2026, only two or three birds were present in the state. However, there may be years when the numbers may be higher.	Yes, precautionary
Lesser Florican <i>Sypheotides indicus</i>	Critically Endangered Schedule I	1 a, c 2 3	Occurs in Karnataka where project roads occur, but more information regarding numbers and preferred habitats is required to determine the EAAA and CH status.	Yes, precautionary

²³² Nandini, R., & Mudappa, D. (2010). Mystery or myth: a review of history and conservation status of the Malabar Civet *Viverra civettina* Blyth, 1862. *Small Carnivore Conserv*, 43, 47-59.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Castoe's Coral Snake <i>Calliophis castoe</i>	Endangered Schedule II	1 a, c 2	This species is endemic to the Western Ghats of India, which is included in the Broadleaf Forests EAAA. The species is very rare, with only a few known records. The population trend is not well-known²³³. Hence, whether the species crosses the thresholds under criterion 1 cannot be determined. The EOO of the species is 1,515.4 km²; its EOO within the Broadleaf Forests EAAA is 71.5 km², which is only 4.72% of the EOO of the species. The EOO within the EAAA is unlikely to host abundance of the species high enough to cross the thresholds under criterion 1. The extent of EOO within the EAAA is less than the 10% threshold for criterion 2. The species is not considered a critical habitat triggering species.	No

²³³ Giri, V. & Achyuthan, N.S. 2021. *Calliophis castoe*. The IUCN Red List of Threatened Species 2021: e.T127936154A127936483. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T127936154A127936483.en>. Accessed on 06 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Hampi Rock Gecko <i>Hemidactylus siva</i>	Endangered	1 a, c 2	This species is endemic to India and was originally described from the Śiva Temple ruins within the Hampi World Heritage Site in Ballari District, Karnataka, at an elevation of 442 m above sea level. It is known from several localities around Hampi and has subsequently been recorded from Sandur and Anegundi, extending its known distribution within the region. This species is not particularly common at the type locality, where only three or four individuals were found. It appears to be common in Sandur, Hospet, and Anegundi²³⁴. As information on population size and trend is insufficient, whether the species exceeds the thresholds under Criterion 1 cannot be determined. The species is associated with granitic boulder formations and rocky outcrop habitats characteristic of the Deccan Plateau. Accordingly, the EAAA was defined as the rocky outcrop ecosystem encompassing the species' known distribution. Given that the entire known range and population of the species occur within the EAAA and that a breeding population has been documented from the region, the EAAA is likely to support a significant proportion of the species' population. The extent of EOO within the EAAA exceeds the 10% threshold under Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

²³⁴ Achyuthan, N.S., Srinivasulu, C. & Ganesh, S.R. 2021. *Hemidactylus siva*. The IUCN Red List of Threatened Species 2021: e.T149352778A149352812. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T149352778A149352812.en>. Accessed on 16 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Goan Day Gecko <i>Cnemaspis goaensis</i>	Endangered	1 a, c 2	<i>Cnemaspis goaensis</i> is endemic to India and is known from a few localities in Goa and coastal Karnataka, including Poinguinim, Cotigao, Cotigao Wildlife Sanctuary, and Mattigattha. As information on population size and trend is insufficient, whether the species exceeds the thresholds under Criterion 1 cannot be determined. The EOO of the species 3498.53 km ² ; its EOO within the Broadleaf Forests EAAA is 2775.82 km ² , which is 79.34 % of the EOO of the species. The EOO within the Broadleaf Forests EAAA is likely to support a substantial proportion of the species' global population. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Adi's Day Gecko <i>Cnemaspis adii</i>	Critically Endangered	1 a, c 2	This species is known with certainty only from Hampi World Heritage Site, Ballari District, Karnataka, India. There are unconfirmed sightings also from Ballari. The Hampi and Ballari EAAA thereby encompasses the Hampi World Heritage Site. As information on population size and trend is insufficient, whether the species exceeds the thresholds under Criterion 1 cannot be determined. It is a rupicolous gecko endemic to the Hampi region of northern Karnataka. The species is associated with the granitic boulder and rocky outcrop habitats characteristic of the Hampi landscape. Accordingly, the EAAA was defined as the rocky outcrop ecosystem encompassing the species' known distribution. The EOO of the species 18.14 km²; its EOO within the EAAA is 18.14 km², which is 100% of the EOO of the species. Given that the entire known range of the species occurs within the EAAA and that a breeding population has been documented from the region, the EAAA is likely to support a significant proportion of the species' population. The extent of EOO within the EAAA exceeds the 10% threshold under Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes
Gund Day Gecko <i>Cnemaspis heteropholis</i>	Near Threatened	1 a, c 2	<i>Cnemaspis heteropholis</i> is endemic to Western Ghats of India, which is included in the Broadleaf Forests. The EOO of the species is 14,604 km²; its EOO within the Broadleaf Forests EAAA is 14,238 km², which is 97.49% of the EOO of the species. Given that nearly the entire known range of the species occurs within the EAAA and that a breeding population has been documented from the region, the EAAA is likely to support a significant proportion of the species' population. The extent of EOO within the EAAA exceeds the 10% threshold under Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Nilgiri Dwarf Gecko <i>Cnemaspis indica</i>	Vulnerable	1 b, 2	Nilgiri Dwarf Gecko is a Western Ghats endemic species with a restricted geographic range, largely confined to the southern Western Ghats region although occurring in the Central Western Ghats as well. The species occupies an EOO of ~6,400 km ² , of which, ~1,312 km ² overlap with the Broadleaf Forests EAAA, which corresponds to roughly 20.5% of the EOO. The extent of EOO within the EAAA exceeds the 10% threshold under Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes
Das's Day Gecko <i>Cnemaspis indraneildasii</i>	Vulnerable	1 b, 2	<i>Cnemaspis indraneildasii</i> is endemic to Western Ghats of India, which is included in the Broadleaf Forests. Not much is known about population of this species. It is reported to be common in some areas such as Anshi National Park, Karnataka ²³⁵ . The EOO of the species 18263.4 km ² ; its EOO within the Broadleaf Forests EAAA is 9,866.9 km ² , which is 54.03% of the EOO of the species. The EOO within the EAAA is likely to support a substantial proportion of the species' global population. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

²³⁵ Srinivasulu, C. & Srinivasulu, B. 2013. *Cnemaspis indraneildasii*. The IUCN Red List of Threatened Species 2013: e.T172592A1348091. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172592A1348091.en>. Accessed on 08 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Jerdon's Day Gecko <i>Cnemaspis jerdonii</i>	Vulnerable	1 b, 2	<i>Cnemaspis jerdonii</i> is endemic to the Western Ghats of India and is known only from Tamil Nadu. Its distribution includes the Anaimalai, Nilgiri, Palni, and Sivagiri Hills, with more recent records from Kalakkad–Mundanthurai Tiger Reserve and Mudumalai Wildlife Sanctuary. The species has an estimated extent of occurrence of approximately 20,000 km² and occurs at elevations ranging from 200 to 1,900 m above sea level. Nothing is known about the population status of <i>Cnemaspis jerdonii</i>. The EOO of the species 13,830.9 km²; its EOO within the Broadleaf Forests EAAA is 14.24 km², which is 0.10% of the EOO of the species. The extent of EOO within the EAAA is well below the 10% threshold for Criterion 2. Therefore, the species is not considered a Critical Habitat triggering species.	No
Coastal Day Gecko <i>Cnemaspis littoralis</i>	Data Deficient	2	It is endemic to the Western Ghats of India and is known from a small number of localities in Karnataka, Kerala, and Tamil Nadu. The validity of the type locality is uncertain, and the scattered records across a range of habitats and elevations suggest that the species' distribution requires further taxonomic and distributional reassessment. Recent records include Periyar Tiger Reserve, Kumarakom, and Thattekad in Kerala. The species occurs at elevations ranging from 500 to 1,190 m above sea level. Nothing is known about the population status of <i>Cnemaspis littoralis</i>²³⁶. The EOO of the species 9296.8 km²; its EOO within the Broadleaf Forests EAAA is 11.16 km², which is 0.12% of the EOO of the species. The extent of EOO within the EAAA is below the 10% threshold for Criterion 2. Therefore, the species is not considered a Critical Habitat triggering species.	No

²³⁶ Srinivasulu, C. & Srinivasulu, B. 2013. *Cnemaspis littoralis*. The IUCN Red List of Threatened Species 2013: e.T172597A1348986. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172597A1348986.en>. Accessed on 08 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Deccan Banded Gecko <i>Cyrtodactylus albofasciatus</i>	Least Concern Schedule II	2	This gecko is endemic to the Western Ghats of Maharashtra, Goa, and Karnataka, with a restricted distribution between 13°N and 16°N latitude. A historical record from Hospet is considered doubtful, as it lies well outside the species' known and predicted range. The species occurs at elevations ranging from 40 to 1,400 m above sea level. Its estimated extent of occurrence is 16,000–18,000 km², while the area of occupancy is estimated at 120–180 km² based on currently known localities. <i>Cyrtodactylus albofasciatus</i> is not uncommon in most localities²³⁷. The EOO of the species 22867.6 km²; its EOO within the Broadleaf Forests EAAA is 16127.07 km², which is 70.52% of the EOO of the species. The EOO within the Broadleaf Forests EAAA is likely to support a substantial proportion of the species' global population. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

²³⁷ Srinivasulu, C. & Srinivasulu, B. 2018. *Cyrtodactylus albofasciatus* (amended version of 2013 assessment). *The IUCN Red List of Threatened Species* 2018: e.T194099A136377967. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T194099A136377967.en>. Accessed on 08 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Ashok's Bronzeback Tree snake <i>Dendrelaphis ashoki</i>	Least Concern Schedule II	2	<i>Dendrelaphis ashoki</i> is endemic to the Western Ghats of India and has been recorded from Karnataka, Kerala, Tamil Nadu, and Goa. Known localities include Agumbe, Kannur, Agasthyamalai, Anamalai Tiger Reserve, and Mhadei Wildlife Sanctuary. The species occurs across a broad elevational range from 10 to 1,650 m above sea level. There is no information available on the population of this species. It is known only from a few specimens ²³⁸ . The EOO of the species 18,036.28 km ² ; its EOO within the Broadleaf Forests EAAA is 3,247.2 km ² , which is 18.00% of the EOO of the species. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes
Karnataka Bronzeback <i>Dendrelaphis chairecacos</i>	Data Deficient Schedule II	2	This species is endemic to the Western Ghats of India. It has been reported from southern India from Kottayam and Punakkanad in Kerala and recently from Gersoppa in Karnataka. It ranges from sea level to about 400 m asl. There is no information available on the population of this species. It is known only from a few specimens ²³⁹ . The EOO of the species 11,240.41 km ² ; its EOO within the Broadleaf Forests EAAA is 3,210.03 km ² , which is 28.64% of the EOO of the species. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

²³⁸ Srinivasulu, C., Srinivasulu, B. & Deepak, V. 2013. *Dendrelaphis ashoki*. The IUCN Red List of Threatened Species 2013: e.T196006A2441448. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T196006A2441448.en>. Accessed on 08 June 2026.

²³⁹ Deepak, V., Srinivasulu, C., Ganesan, S.R. & Srinivasulu, B. 2013. *Dendrelaphis chairecacos*. The IUCN Red List of Threatened Species 2013: e.T194916A2368397. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T194916A2368397.en>. Accessed on 08 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Giri's Bronzeback Tree Snake <i>Dendrelaphis girii</i>	Least Concern Schedule II	2	This species is endemic to the Western Ghats of India and has been recorded from Karnataka, Goa, Maharashtra, and Tamil Nadu. Known localities include Castle Rock, South Goa, the Sirumalai Hills, Amboli, and Bhimashankar. Although these records are geographically disjunct, the species may be more widespread within the Western Ghats than currently known. Its estimated extent of occurrence is approximately 17,000 km², and it has been recorded at elevations ranging from 33 to 943 m above sea level. There is no information available on the population of this recently described species. It is known only from a few specimens²⁴⁰. The EOO of the species 10718.16 km²; its EOO within the Broadleaf Forests EAAA is 3074.5 km², which is 28.69% of the EOO of the species. The EOO within the EAAA is likely to support a substantial proportion of the species' global population. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

²⁴⁰ Srinivasulu, C. & Srinivasulu, B. 2013. *Dendrelaphis girii*. *The IUCN Red List of Threatened Species* 2013: e.T42492034A42492040. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T42492034A42492040.en>. Accessed on 08 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Large-eyed Bronzeback <i>Dendrelaphis grandoculis</i>	Least Concern Schedule II	2	This species is endemic to the Western Ghats of India, where it is known from Agumbe in Karnataka southwards to Peermedu and the Agasthyamalai Hills in Kerala. It occurs at elevations ranging from 650 to 1,200 m above sea level. The species appears to be rarer in some areas than others, but no information is available on its population status²⁴¹. The EOO of the species 37481.66 km²; its EOO within the Broadleaf Forests EAAA is 582.42 km², which is 1.55% of the EOO of the species. The extent of EOO within the EAAA is below the 10% threshold for Criterion 2. Therefore, the species is not considered a Critical Habitat triggering species.	No
Belgaum Worm Snake <i>Pseudoindotyphlops exiguus</i>	Data Deficient	2	<i>Pseudoindotyphlops exiguus</i> is known only from the type locality Belgaum, Karnataka, India. It is known only from Belgaum, Karnataka. It has not been recorded since it was originally described, and there is no information regarding its present population status²⁴². The EAAA was conservatively defined by its currently known range in Belgavi. The EOO of the species 19.98 km²; its EOO within the EAAA is 19.98 km², which is 100% of the EOO of the species. Given that the entire known range of the species falls within the EAAA, the area is likely to support the global population of the species. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

²⁴¹ Srinivasulu, C. & Srinivasulu, B. 2013. *Dendrelaphis grandoculis*. The IUCN Red List of Threatened Species 2013: e.T176785A1445763. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T176785A1445763.en>. Accessed on 08 June 2026.

²⁴² Srinivasulu, B., Srinivasulu, C. & Ganesan, S.R. 2013. *Typhlops exiguus*. The IUCN Red List of Threatened Species 2013: e.T172664A1362374. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172664A1362374.en>. Accessed on 08 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Beddome's Ground Skink <i>Kaestlea beddomii</i>	Least Concern	2	It is endemic to the Western Ghats of India. It is known from the Nilgiri Hills in Tamil Nadu, Agumbe in Karnataka, and Mudumalai Wildlife Sanctuary. A reported occurrence from the Agasthyamalai Hills may be erroneous, as there are no confirmed records south of the Palghat Gap. The species occurs at elevations ranging from 700 to 2,000 m above sea level. Nothing is known about the population status, though this species has been reported recently from two sites²⁴³. The EOO of the species 16,612.56 km²; its EOO within the Broadleaf Forests EAAA is 10,446.86 km², which is 62.89% of the EOO of the species. The EOO within the EAAA is likely to support a substantial proportion of the species' global population. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

²⁴³ Srinivasulu, C. & Srinivasulu, B. 2013. *Kaestlea beddomei*. The IUCN Red List of Threatened Species 2013: e.T172686A1366953. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172686A1366953.en>. Accessed on 08 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Water Rhabdops <i>Rhabdops aquaticus</i>	Least Concern Schedule II	2	This species is endemic to India, occurring in southern Maharashtra, northern Karnataka, and Goa at elevations of approximately 750–1,100 m above sea level. Its distribution includes Amboli, Humbarli–Koyna, Koyna Wildlife Sanctuary, Idarganj Plateau, Manoli Plateau, Zolambi Plateau, Vankusavade Plateau, Kaas Plateau, Chalakewadi, and Sahyadri Tiger Reserve in Maharashtra, as well as Castle Rock in Karnataka and the Chorla Ghats in Goa. This is a common species in parts of its range. Populations appear to be possibly stable at some of the known localities²⁴⁴. The EOO of the species 2,254.21 km²; its EOO within the Broadleaf Forests EAAA is 1,686.28 km², which is 74.81% of the EOO of the species. The EOO within the EAAA is likely to support a substantial proportion of the species' global population. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

²⁴⁴ Giri, V. & Ganesh, S.R. 2021. *Rhabdops aquaticus*. *The IUCN Red List of Threatened Species* 2021: e.T149313378A149313412. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T149313378A149313412.en>. Accessed on 08 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Olive Forest Snake <i>Rhabdops olivaceus</i>	Near Threatened Schedule II	2	This snake is endemic to the Western Ghats of India, with a distribution extending from Tirthahalli in Karnataka south to Parambikulam Tiger Reserve in Kerala. Known localities include Pookode, Mananthavady, Periya, and Vellanimala in Kerala; Kottigehara, Suralihalla, and Tirthahalli in Karnataka; and Kotagiri and Coonoor in the Nilgiri Hills of Tamil Nadu. Genetic evidence suggests that the Palghat Gap has not acted as a significant barrier to recent gene flow between populations. The species occurs at elevations ranging from 600 to 2,300 m above sea level. This species is not especially common but can be regularly encountered in suitable habitat. The population trends are not clear²⁴⁵. The EOO of the species 18,244.43 km²; its EOO within the Broadleaf Forests EAAA is 1867.08 km², which is 10.23% of the EOO of the species. The EOO within the EAAA is likely to support a significant proportion of the species' global population. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

²⁴⁵ Giri, V., Ganesh, S.R. & Narayanan, S. 2021. *Rhabdops olivaceus*. The IUCN Red List of Threatened Species 2021: e.T149321599A149321695. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T149321599A149321695.en>. Accessed on 08 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Beddome's Cat Skink <i>Ristella beddomii</i>	Least Concern Schedule II	2	It is endemic to India, where it is known from the Western Ghats of Kerala and Karnataka. It occurs at elevations between 400 and 1,300 m asl. This species seems to be widespread throughout its distribution range and is one of the most abundant species of <i>Ristella</i>. No information on population trends is available²⁴⁶. The EOO of the species 1,1463.76 km²; its EOO within the Broadleaf Forests EAAA is 8,419.14 km², which is 73.44 % of the EOO of the species. The EOO within the EAAA is likely to support a substantial proportion of the species' global population. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes
Salty Earth Snake <i>Rhinophis sanguineus</i>	Least Concern Schedule II	2	It is endemic to the Western Ghats of India and is known from a limited number of localities ranging from Agumbe in Karnataka to the Agasthyamalai Hills in southern India. A reported occurrence from the Kolli Hills in Tamil Nadu requires taxonomic verification. The species occurs at elevations between 560 and 1,600 m above sea level. Nothing is known about the population status of <i>Rhinophis sanguineus</i>. In the past, it was reported to be common in the Wayanad Hills, Kerala, India²⁴⁷. The EOO of the species 20137.84 km²; its EOO within the Broadleaf Forests EAAA is 16,801.41 km², which is 83.43 % of the EOO of the species. The EOO within the EAAA is likely to support a substantial proportion of the species' global population. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

²⁴⁶ Srinivasulu, C. & Srinivasulu, B. 2013. *Ristella beddomii*. The IUCN Red List of Threatened Species 2013: e.T172650A1359128. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172650A1359128.en>. Accessed on 09 June 2026.

²⁴⁷ Srinivasulu, B., Srinivasulu, C., Vijayakumar, S.P. & Ganesan, S.R. 2013. *Rhinophis sanguineus*. The IUCN Red List of Threatened Species 2013: e.T172613A1352267. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172613A1352267.en>. Accessed on 09 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Indian Black Earth Snake <i>Melanophidium wynaudense</i>	Least Concern Schedule II	2	It is endemic to the Western Ghats of India and is known from a small number of localities in Kerala and Karnataka, including Mananthavady, Kodagu, Kudremukh National Park, and Agumbe. Earlier reports from Travancore, the Anaimalai Hills, Telawadi, and the Goa frontier are considered erroneous and relate to a different species. The species occurs at elevations ranging from 600 to 1,500 m above sea level. The EOO of the species 2,254.2 km ² ; its EOO within the Broadleaf Forests EAAA is 1,686.2 km ² , which is 74.81 % of the EOO of the species. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes
Nilgiri Forest Lizard <i>Calotes nemoricola</i>	Least Concern	2	<i>Calotes nemoricola</i> is endemic to the Western Ghats, India. It has been reported from the Eastern Ghats of Andhra Pradesh, but this is considered erroneous. This species occurs at elevations between 400 and 1,200 m asl. This is an uncommon species, but it can be found in altered habitats ²⁴⁸ . The EOO of the species 20,157.2 km ² ; its EOO within the Broadleaf Forests EAAA is 3,539.6 km ² , which is 17.56 % of the EOO of the species. EOO within the EAAA is likely to support a substantial proportion of the species' global population. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

²⁴⁸ Srinivasulu, C., Srinivasulu, B., Vijayakumar, S.P., Ganesan, S.R., Prabhu, M. & Madala, M. 2013. *Calotes nemoricola*. *The IUCN Red List of Threatened Species* 2013: e.T194083A2296808. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T194083A2296808.en>. Accessed on 09 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Large-scaled Forest Lizard <i>Calotes grandisquamis</i>	Least Concern	2	It is endemic to the Western Ghats of India and is known from several localities across Karnataka, Kerala, and Tamil Nadu, including the Anaimalai Hills, Brahmagiri Hills, Kodagu, Wayanad, Ponmudi, Siruvani, Nilgiri Hills, Srivilliputhur Grizzled Giant Squirrel Wildlife Sanctuary, and the Tirunelveli Hills. The species occurs across a broad elevational range from 100 to 1,600 m above sea level. This is an uncommon species, but it can be found in altered habitats²⁴⁹. The EOO of the species 32,181.38 km²; its EOO within the Broadleaf Forests EAAA is 7,085.69 km², which is 22.02 % of the EOO of the species. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

²⁴⁹ Srinivasulu, C., Srinivasulu, B., Vijayakumar, S.P., Ganesan, S.R., Prabhu, M. & Sreekar, R. 2013. *Calotes grandisquamis*. The IUCN Red List of Threatened Species 2013: e.T172602A1349981. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T172602A1349981.en>. Accessed on 09 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Beddome's Coral Snake <i>Calliophis beddomei</i>	Data Deficient Schedule II	2	This species is endemic to India and is known from a few localities in Karnataka and Tamil Nadu, including Koppa, the Nilgiri Hills, the Shevaroy Hills, and the Kolli Hills. Rediscovered in 2012 after not being recorded since the 1860s, it is known from only a small number of specimens collected in mid-elevation forested habitats. A morphologically similar population has also been reported from the Ponmudi Hills in Kerala. The species occurs at elevations ranging from 550 to 1,600 m above sea level. This species is known from only a few specimens and appears to be very rare. Recent surveys recorded two specimens each from the Shevaroy and Kolli Hills. Despite more than 2,000 person-hours of targeted survey effort by researchers involved in the cited study, only four specimens have been documented across two localities; however, much of its potential range remained poorly surveyed until the 2010s²⁵⁰. The EOO of the species 19.98 km²; its EOO within the Broadleaf Forests EAAA is 9.99 km², which is 50% of the EOO of the species. The extent of EOO within the EAAA is close to the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

²⁵⁰ Ganesh, S.R. 2021. *Calliophis beddomei*. The IUCN Red List of Threatened Species 2021: e.T172615A158392318. <https://dx.doi.org/10.2305/IUCN.UK.2021-2.RLTS.T172615A158392318.en>. Accessed on 09 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Cuvier's Shieldtail <i>Uropeltis ceylanica</i>	Data Deficient Schedule II	2	This species is thought to occur in the Western Ghats of India south of the Goa Gap, but its precise distribution remains uncertain due to unresolved taxonomic issues and an uncertain type locality. As a result, its range limits are unclear, and the species has not been mapped. There are no quantitative data on population size and trends for this species²⁵¹. The EOO of the species 34,317.21 km²; its EOO within the Broadleaf Forests EAAA is 16,316.69 km², which is 47.55 % of the EOO of the species. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

²⁵¹ Ganesh, S.R. & Giri, V. 2021. *Uropeltis ceylanica*. The IUCN Red List of Threatened Species 2021: e.T127972986A127973772. <https://dx.doi.org/10.2305/IUCN.UK.2021-2.RLTS.T127972986A127973772.en>. Accessed on 09 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Gokak Fan-throated Lizard <i>Sitana gokakensis</i>	Data Deficient	2	This recently described lizard is endemic to the Gokak Plateau in Belagavi, Bagalkot, and Ramdurg regions of Karnataka, India. The rocky Ghataprabha River may act as a geographical barrier to its distribution. The species occurs at an elevation of approximately 255 m above sea level. It is a common species within the limited range. The population trends are not well known²⁵². The species is restricted to open rocky habitats characterized by thorny vegetation and dwarf succulents and is confined to the unique plateau ecosystem of the region. Accordingly, the EAAA was defined as the rocky plateau ecosystem encompassing the species' known distribution. The EOO of the species 9.99 km²; its EOO within the Gokak Plateau EAAA is 9.99 km², which is 100% of the EOO of the species. Given that the entire known range of the species falls within the EAAA, the area is likely to support the global population of the species. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

²⁵² Narayanan, S., Giri, V. & Murthy, B.H.C. 2021. *Sitana gokakensis*. *The IUCN Red List of Threatened Species* 2021: e.T149312411A149312414. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T149312411A149312414.en>. Accessed on 09 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
<i>Deccan Fan-throated Lizard</i> <i>Sarada deccanensis</i>	Least Concern	2	This species is restricted to a limited area in Maharashtra, India. It is known from Vijapur (Aurangabad District), Gangapur (Nashik District), Indewadi (Jalna District), and Pallam (Nanded District). Although it has previously been reported from Chandrapur, recent surveys have not confirmed its presence there. This species is generally considered very common within its known range, although population trends remain unknown²⁵³. It is associated with open terrestrial habitats of the Deccan Plateau, including grasslands, scrublands, agricultural fields, lateritic plateaus, and rocky dryland ecosystems. As the species is not restricted to broadleaf forest habitats, the EAAA was defined as the dryland terrestrial ecosystems encompassing its known distribution. The EOO of the species 25376.94 km²; its EOO within the EAAA is 19.98 km², which is 0.08 % of the EOO of the species. The EOO within the EAAA is unlikely to support a substantial proportion of the species' global population. The extent of EOO within the EAAA is well below the 10% threshold for Criterion 2. Therefore, the species is not considered a Critical Habitat triggering species.	No

²⁵³ Giri, V., Srinivasulu, C. & Narayanan, S. 2021. *Sarada deccanensis*. *The IUCN Red List of Threatened Species* 2021: e.T127934829A127934985. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T127934829A127934985.en>. Accessed on 09 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Darwin's Large Fan-throated Lizard <i>Sarada darwini</i>	Least Concern	2	This species is endemic to India and is known from northern Karnataka and southern Maharashtra. Its distribution includes Bidnal and Nipani in Karnataka, and Giragaon, Kagal, Terawad, Atigre, Malkapur, Sangli, Atpadi, and Dongarwadi in Maharashtra. The species occurs at elevations ranging from 550 to 680 m above sea level. It appears to be a common species in parts of its range, with limited information on the population trends²⁵⁴. It is associated with open dry habitats of the northern Western Ghats–Deccan Plateau transition zone and is not restricted to broadleaf forest ecosystems. Accordingly, the EAAA was defined using the species' known distributional range. The EOO of the species 3747.33 km²; its EOO within the EAAA is 938.96 km², which is 25.06 % of the EOO of the species. The EOO within the EAAA is likely to support a substantial proportion of the species' global population. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

²⁵⁴ Giri, V. 2021. *Sarada darwini*. The IUCN Red List of Threatened Species 2021: e.T127934710A127934736. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T127934710A127934736.en>. Accessed on 09 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
<i>Hemiphyllodactylus jnana</i>	Least Concern	2	This gecko is endemic to southern India and is known from a few localities in Karnataka and Tamil Nadu, including Bengaluru, Kolar, Aiyur, Yelagiri, and Thally. It has not been recorded below 600 m above sea level and occurs as three distinct subpopulations separated by intervening lowland areas. This species appears to be fairly common at known localities and herpetologists' reports finding both adults and juveniles at all localities he surveyed²⁵⁵. It is a narrowly distributed gecko associated with montane ("sky-island") habitats of the Bengaluru–Krishnagiri region. The species forms part of an endemic radiation that diversified across montane forest habitats in peninsular India. Accordingly, the EAAA was defined using the montane terrestrial ecosystems encompassing the species' known distribution. The EOO of the species 6,079.32 km²; its EOO within the EAAA is 2,552.53 km², which is 41.99 % of the EOO of the species. The EOO within the EAAA is likely to support a substantial proportion of the species' global population. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

²⁵⁵ Ganesh, S.R. 2021. *Hemiphyllodactylus jnana*. The IUCN Red List of Threatened Species 2021: e.T149403494A149403504. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T149403494A149403504.en>. Accessed on 09 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Bengaluru Geckoella <i>Cyrtodactylus srilekhae</i>	Near Threatened Schedule I	2	This species is endemic to India and is known from a small number of localities in Karnataka and Tamil Nadu, including Cauvery Wildlife Sanctuary, Nandi Hills, Devarayanadurga, Gutturaya Peak near Denkanikottai, and Savandurga State Forest. Its distribution is restricted to rocky hill habitats in southern India. This species is locally fairly common. Night surveys by herpetologists have recorded encounter rates of up to three individuals per hour, indicating that it can be regularly encountered in suitable habitats; population trends, however, remain unknown²⁵⁶. It is associated with deciduous and scrub forest habitats on the Mysore Plateau and adjacent hill systems of southern India. The EAAA was therefore defined based on the terrestrial forest ecosystems encompassing its known distribution. The EOO of the species 2,528.83 km²; its EOO within the Broadleaf Forests EAAA is 2,528.83 km², which is 100% of the EOO of the species. Given that the entire known range of the species falls within the EAAA, the area is likely to support the global population of the species. The extent of EOO within the EAAA exceeds the 10% threshold for Criterion 2. Therefore, the species is considered a Critical Habitat triggering species under Criterion 2.	Yes

²⁵⁶ Ganesh, S.R. & Mohapatra, P. 2021. *Cyrtodactylus srilekhae*. The IUCN Red List of Threatened Species 2021: e.T127941283A127941294. <https://dx.doi.org/10.2305/IUCN.UK.2021-3.RLTS.T127941283A127941294.en>. Accessed on 10 June 2026.

Species / common name/ status	IUCN v.2025-2 Schedule (WPAA, 2022)	CH Criteria	Assessment	Does EAAA represent CH?
Mysore Day Gecko <i>Cnemaspis mysoriensis</i>	Least Concern	2	It is endemic to India. Owing to taxonomic uncertainty and the loss of the type specimen, many historical records from Karnataka, Tamil Nadu, and Kerala are considered questionable. Confirmed records are largely restricted to the Bengaluru–Mysuru region of Karnataka, including Agara, Indiranagar, Kanakapura, Sarjapura, Bannimantap, and T. Narasipura. The species occurs at elevations ranging from 700 to 920 m above sea level. This species is considered common in and around Bengaluru, where it has been recently collected and redescribed. It is also common in the Mysuru region and occurs sympatrically with <i>Hemidactylus brookii</i>. Population trends are currently unknown²⁵⁷. The EOO of the species 7,693.44 km²; its EOO within the Broadleaf Forests EAAA is 7,165.76 km², which is 93.14% of the EOO of the species. The Broadleaf Forests EAAA encompasses nearly the entire known distribution of the species and is therefore expected to support a major proportion of its global population. As more than 10% of the species' global EOO occurs within the EAAA, the species meets the Criterion 2 threshold and is considered a Critical Habitat triggering species.	Yes

²⁵⁷ Srinivasulu, C. & Srinivasulu, B. 2013. *Cnemaspis mysoriensis*. The IUCN Red List of Threatened Species 2013: e.T194096A2298136. <https://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T194096A2298136.en>. Accessed on 10 June 2026.

52. Species in the above **Table 0-1** were assessed against the critical habitat quantitative thresholds and species which qualified as critical habitat candidate species are mentioned below in **Table 0-2**.

Table 0-2 Qualified critical habitat candidate species.

Sr No	Common Name	Species	IUCN v. 2025-2	CH Criterion
1.	Kolar Leaf-nosed Bat	<i>Hipposideros hypophyllus</i>	CR	Criteria 1 a, c; Criteria 2
2.	Asian Elephant	<i>Elephas maximus</i>	EN	Criteria 1 a, c; Criteria 3 a
3.	Tiger	<i>Panthera tigris</i>	EN	Criteria 1 a, c; Criteria 3 a
4.	Dhole	<i>Cuon alpinus</i>	EN	Criteria 1 a, c
5.	Lion-tailed Macaque	<i>Macaca silenus</i>	EN	Criteria 1 a, c; Criteria 2
6.	Indian Pangolin	<i>Manis crassicaudata</i>	EN	Criteria 1 a, c
7.	Gund Day Gecko	<i>Cnemaspis heteropolis</i>	NT	Criteria 2
8.	Das's Day Gecko	<i>Cnemaspis indraneildasii</i>	VU	Criteria 2
9.	Deccan Banded Gecko	<i>Cyrtodactylus albofasciatus</i>	LC	Criteria 2
10.	Ashok's Bronzeback Tree snake	<i>Dendrelaphis ashoki</i>	LC	Criteria 2
11.	Karnataka Bronzeback	<i>Dendrelaphis chairecacos</i>	DD	Criteria 2
12.	Giri's Bronzeback Tree Snake	<i>Dendrelaphis girii</i>	LC	Criteria 2
13.	Belgaum Worm Snake	<i>Pseudoindotyphlops exiguus</i>	DD	Criteria 2
14.	Beddome's Ground Skink	<i>Kaestlea beddomii</i>	LC	Criteria 2
15.	Water Rhabdops	<i>Rhabdops aquaticus</i>	LC	Criteria 2
16.	Olive Forest Snake	<i>Rhabdops olivaceus</i>	NT	Criteria 2
17.	Beddome's Cat Skink	<i>Ristella beddomii</i>	LC	Criteria 2
18.	Salty Earth Snake	<i>Rhinophis sanguineus</i>	LC	Criteria 2
19.	Indian Black Earth Snake	<i>Melanophidium wynaudense</i>	LC	Criteria 2
20.	Nilgiri Forest Lizard	<i>Calotes nemoricola</i>	LC	Criteria 2
21.	Large-scaled Forest Lizard	<i>Calotes grandisquamis</i>	LC	Criteria 2
22.	Beddome's Coral Snake	<i>Calliophis beddomei</i>	DD	Criteria 2
23.	Cuvier's Shieldtail	<i>Uropeltis ceylanica</i>	DD	Criteria 2
24.	Gokak Fan-throated Lizard	<i>Sitana gokakensis</i>	DD	Criteria 2
25.	Darwin's Large Fan-throated Lizard	<i>Sarada darwini</i>	LC	Criteria 2
26.		<i>Hemiphyllodactylus jnana</i>	LC	Criteria 2
27.	Bengaluru Geckoella	<i>Cyrtodactylus srilekhae</i>	NT	Criteria 2
28.	Mysore Day Gecko	<i>Cnemaspis mysorensis</i>	LC	Criteria 2
29.	Hampi Rock Gecko	<i>Hemidactylus siva</i>	EN	Criteria 1 a,c; 2
30.	Goan Day Gecko	<i>Cnemaspis goaensis</i>	EN	Criteria 1 a,c; 2
31.	Adi's Day Gecko	<i>Cnemaspis adii</i>	CR	Criteria 1 a,c; 2

Highly Threatened Ecosystems (Criterion 4 of IFC PS 6)

32. Transformation of the Western Ghats landscape is believed to date back to the 1800s
33. accelerating through the early twentieth century and continuing today. In the Western
34. Ghats of Karnataka alone, nearly 12% of the forests have been completely lost in
35. the past two decades. Of the 62,000 km² of potential area of
36. evergreen forests in the Western Ghats. Studies have estimated that estimated that
37. only between 5,288 km² (8.5%) and 21,515 km² (34.7%) remained in the mid-1980s
- along the ranges. A more recent assessment estimates that of the 1,82,500 km² of
- primary vegetation that
38. was estimated to have existed in the Western Ghats and Sri Lanka, only some 12,450
39. km² (6.8%) remain today. Recent estimates suggest that between 1920 and 1990, 40% of the original natural vegetation of the Western Ghats was lost or converted to open/cultivated lands, coffee plantations, tea plantations, and hydroelectric reservoirs. Open/cultivated lands accounted for 76 percent and coffee plantations for 16 percent of the conversion respectively²⁵⁸. The Western Ghats also inherently support other threatened and unique ecosystems such as the Shola Forests and the *Myristica* swamps. The Karnataka Western Ghats occupy the largest share of the Western Ghats (~35%), which is well over the 5% requirement under criterion 4 of IFC PS 6. The Western Ghats of Karnataka have thereby been determined to be critical habitats under criterion 4 of the IFC PS 6.

Key Evolutionary Processes and Key Ecosystem Services (Criterion 5 of IFC PS 6 and Bullets 5 and 6 of ADB SPS)

40. ADB SPS (2009) and IFC PS 6 (criterion 5) provide for the recognition of areas (landscapes or seascapes, or particular habitats) as critical habitats if they are known to support key evolutionary processes (IFC PS 6) and/or provide key ecosystem services to the communities (ADB SPS, 2009).
41. The Western Ghats are one of the biodiversity hotspots and recognised as a UNESCO World Heritage Site. The Western Ghats are known for the high levels of biodiversity and endemism they support. Literature suggestive of the role of the Western Ghats or the geomorphology and physiographic conditions therein as drivers of diversification, endemism and has served as refugia for biota during the times of harsh environmental conditions such as Deccan volcanism. Research on bush frogs has shown that the high-elevation peaks act as centres of lineage diversification and the low- and mid-elevations serve as museums²⁵⁹. Some studies have attributed the role of palaeoclimate in driving diversification processes, whereas others have suggested the presence of stable climatic conditions, except during the Pleistocene glaciation events. The rates of diversification across taxa have been observed to decline in the northern Western Ghats, which lie northwards of the Goa Gap; the Western Ghats predominantly occurring in the state are central Western Ghats.
42. The Western Ghats region demonstrates speciation related to the breakup of the ancient landmass of Gondwanaland in the early Jurassic period; secondly to the formation of India into an isolated landmass and the thirdly to the Indian landmass being pushed together with Eurasia. Together with favourable weather patterns and a high gradient being present in the Ghats, high speciation has resulted. The Western Ghats is an “Evolutionary Ecotone” illustrating “Out of Africa” and “Out of Asia” hypotheses on species dispersal and vicariance²⁶⁰.
43. The Western Ghats thereby qualify as critical habitat triggering biodiversity values under criterion 5 of the IFC PS 6 for critical habitat determination. The Western Ghats are also

²⁵⁸ <https://www.cepf.net/resources/ecosystem-profile-documents/western-ghats-ecosystem-profile>

²⁵⁹ Vijayakumar, S. P., Menezes, R. C., Jayarajan, A., & Shanker, K. (2016). Glaciations, gradients, and geography: multiple drivers of diversification of bush frogs in the Western Ghats Escarpment. *Proceedings of the Royal Society B: Biological Sciences*, 283(1836), 20161011.

²⁶⁰

the centres of origin for various rivers and streams which originate in the hilly peaks of Western Ghats and flow through the mid- and low-elevations through human-dominated landscapes. Examples include the Tunga, Bhadra, Kabini, Aghanashini, Netravali rivers, which confluence downstream with other larger rivers such as Tungabhadra and Cauvery in the lowlands. The rivers and the streams of Western Ghats are of significance to communities as they provide for freshwater resources. The forests in the Western Ghats also provide significant non-timber forest produce (NTFP) and food resources to the communities of the Western Ghats, either for consumption or for commercial purposes. Furthermore, the Western Ghats also support a diversity of medicinal plants which have been used in traditional medicine products by the communities as well as industries. the Western Ghats are home to diverse social, religious and linguistic groups. The high cultural diversity of rituals, customs and lifestyles has led to the establishment of several religious institutions that strongly influence public opinion and the political decision-making process. The presence of hundreds of sacred groves and sacred landscapes in the region bears testimony to society's commitment to conservation²⁶¹. Although there are prohibitions on the collection of most of these products from the legally protected areas, tribal rights are protected in the reserved forests. Western Ghats also provide other key ecosystem services. These include climate regulation and supporting services. The Western Ghats have been instrumental in shaping the current climatic conditions of the Indian Peninsula. The 1600 km long mountain range intercept the rain-laden winds, causing precipitation in the western parts of the Ghats and rendering the eastern plateau region rain shadowed. The Western Ghats have shaped the biogeography of the Peninsular India, and to an extent, north of it as well. The Western Ghats are thereby of importance in terms of climate regulation. Besides, owing to the diversity the Western Ghats host, the Ghats provide other services such as pollination, soil formation through ecological succession, decomposition etc. The Western Ghats are thereby regarded as critical habitats under bullet 5 and 6 of the ADP SPS (2009) para 151 as well.

Conclusion

44. Critical habitat assessment has concluded that the EAAAs delineated herein serve as critical habitats under criteria 1 through 3 of IFC PS 6 and as described in bullets 1 and 2 of the paragraph 151 of ADB SPS (2009). For a list of the 31 critical habitat triggering species, refer to Table 0-2. Additionally, two species (Great Indian Bustard and Lesser Florican) have been precautionarily listed as critical habitat triggers; however, their status as critical habitat triggers will be verified as more data are available in the subsequent surveys. Furthermore, the Western Ghats, more broadly, the Broadleaf Forests EAAA also qualifies as critical habitat under criteria 4 and 5 of the IFC PS 6 and as described in bullets 5 and 6 of paragraph 151 of ADB SPS (2009) as areas supporting key evolutionary processes, providers of key ecosystem services, being socially, culturally, or economically important, and as highly threatened ecosystems.
45. Based on this preliminary assessment, a total of six EAAAs were delineated for threatened and range-restricted species. A total of 591 roads fall within the critical habitats.
46. It should be noted, however, that this report is based on the primary surveys conducted in the first season, i.e. Several taxa such as amphibians and migratory bird species could not be documented during the summer surveys. These taxa will be covered in the upcoming surveys. In this regard, conclusions regarding non-critical habitat areas should be considered provisional, as additional EAAAs may be delineated for these taxa (particularly wetlands for migratory/congregatory bird species) and the number of roads that fall within the EAAAs or critical habitats may undergo minor revisions.

²⁶¹ <https://www.cepf.net/our-work/biodiversity-hotspots/western-ghats-and-sri-lanka>

47. A Biodiversity Action Plan (BAP) has been developed for the residual impacts from the proposed project and has been added to the EIA report as Appendix 19.

Impact Assessment Summary

48. Impact assessment for the proposed Project has been provided in the EIA report. A summary of the same is provided here.
49. Improvement of rural road infrastructure is likely to have localised and short-term impacts on biodiversity during the construction phase. Impacts include limited loss of natural and critical habitat where additional land is required, vegetation clearance along the RoW, habitat fragmentation, accidental introduction of alien invasive species, opening of additional quarry or borrow sites for sourcing of construction material, and indirect impacts from air, water, and soil contamination. Critical habitat assessment has been undertaken for the Project. The preliminary outcomes of the critical habitat assessment based on summer season surveys in March to May 2026 have led to the identification of ecologically appropriate areas (EAAAs) that serve as critical habitats. The EAAAs have been designated as critical habitats for threatened as well as range-restricted mammals and reptiles. While the EAAA boundaries themselves may not require revision as data are collected during post-monsoons and winter surveys, the list of critical habitat triggering species may be revised. For example, threatened and range-restricted amphibian species may be added to the existing list of critical habitat triggers in the EAAAs. The CHA is slated for completion in April 2027. The EIA report will undergo revisions, as may be necessary, based on the outcomes of the CHA. The assessment undertaken at this stage may be revisited in case the extents of the EAAAs are revised. The impact assessment performed also determines the residual impacts post-mitigation. The Biodiversity Action Plan developed based on the outcomes of the CHA provides measures to mitigate the residual impacts to natural and critical habitats.

Construction Phase Impacts

- 1) Removal of roadside vegetation growing along the RoW prior to the construction
- 2) Lowered breeding success for birds nesting in the vegetation that will be cleared prior to construction
- 3) Accidental introduction of alien invasive species due to the movement of machinery, equipment, and construction vehicles during the construction phase
- 4) Loss or degradation of habitats adjacent to the RoW during construction due to the temporary diversion of traffic, establishment of labour and construction camps, where required
- 5) Further fragmentation of habitats is not envisaged given that these are existing, low-volume rural roads, and that the project activities will be restricted to the RoW
- 6) Construction activities may lead to short-term and localised impacts to air, water, and soil quality. Sedimentation, runoff, and contamination may occur along the minor bridges and/or roads in proximity to the streams, rivers, and other waterbodies. This will lead to alteration of physico-chemical parameters of the waterbodies, impacting the aquatic and semi-aquatic or amphibious biological values not just in-situ, but downstream as well. The impacts will be of higher significance in natural and/or critical habitats. The impact significance for these impacts has been dealt with in previous sections (AA, AN, WQ), even from a biodiversity perspective. Mitigation measures provided therein have been designed by taking impacts to biodiversity into account and are not reiterated here to avoid duplication and redundancy. Further, EDM-3 states that the DPR includes hydrology-based cross-drainage design and provides for replacement of damaged culverts and addition of new culverts where drainage crossings require intervention. This allows runoff to pass along natural drainage paths instead of getting obstructed by the road. Additional mitigation measures have been included.
- 7) Based on the outcomes of the CHA and EIA, net reduction in the threatened or critical habitat triggering species is unlikely. However, the EIA may be revised in case after the

finalisation of the CHA, it is concluded that the Project may lead to net reduction in the population of threatened or critical habitat triggering species.

- 8) Loss or degradation of natural and critical habitats due to project activities outside the carriageway such as provision of shoulders and drains.

Residual Impacts

50. Impacts listed from points 1 through 7 can be addressed through the EMP stated below and have not been carried forward into the BAP. Point 8, however, is unlikely to be addressed through the EMP owing the shortage of area for restoration within the RoW after the improvement works have been completed, which constitutes the residual impact. The BAP thereby focuses on the addressing the residual impact from this shortcoming.

Operations Phase Impacts

- 1) Given that the roads are in critical habitats for threatened and range-restricted species, any on-road mortalities of critical habitat triggering species as well as threatened, range-restricted, and protected species is likely to constitute major impact.
- 2) However, biodiversity may benefit from the speed calming measures embedded in the project design as well as from strengthening and improving culverts, or having speed-breakers installed, as described in BD7.
- 3) During the primary surveys, it was observed that seasonal puddles formed after showers at places on the road where potholes were present to be occupied by amphibians. Although the primary observation was restricted to *Hoplobatrachus tigerinus*, the utilization of such puddles by threatened and/or range-restricted amphibians is likely.
- 4) Owing to the presence of threatened, range-restricted, and critical habitat triggering biological values that may be impacted, the receptor sensitivity is deemed to be high; however, since the impact is ongoing since the roads are existing, and the localized nature of the impact, the magnitude is deemed to be low, resulting in a moderate significance value.

Residual Impacts

51. Residual impacts are likely to be insignificant to minor owing to the implementation of EDMs- 3, 4, 13, and 14, as well as the ADMs BD12 and BD13

Biodiversity Management Plan and Impact Mitigation Register

52. The Biodiversity Management Plan Aspect and Impact Mitigation Register outlined in Table 0-1 takes into account what is known about the threatened wildlife in the vicinity of the Project from the baseline surveys and information from the results of the remote sensing habitat mapping exercise of high resolution satellite imagery, summarising the mitigation measures to be applied. This includes an indication of responsible parties for each measure, which includes KRRDA, Karnataka Forest Department, and KRRDA's contractors during construction. There will need to be a handover of biodiversity management responsibilities to the road operator however prior to the operation and maintenance phase.
53. The biodiversity management actions will be applied in conjunction with all other relevant management plans which form part of the Project including, but not necessarily limited to the Water Management Plan, Waste Management Plan, Soil Management Plan, Traffic Management Plan, and Emergency Response Plan. The Biodiversity Management Plan covers the actions listed under the EMP and it is determined to sufficiently address most impacts during the construction and operations phase. A BAP has been developed to address the residual impacts.
54. The measures proposed for the Project are divided into three categories, as outlined below. In line with IFC PS6, these form a hierarchy, with precedence given to the earlier levels of the hierarchy where this is possible.
- Avoidance: proposed measures to avoid any impact to biodiversity.
 - Minimisation: in case the avoidance is not feasible, the Project shall implement actions to minimize the impacts to biodiversity.
 - Restoration: if minimization is limited or cannot be implemented, a restoration option will be pursued (e.g., replanting of trees along the RoW).
 - Offset: unavoidable residual losses will be offset to achieve No Net Loss for natural habitat and Net Gain for any critical habitat

Table 0-1: Biodiversity Aspect and Impact Mitigation Register

Mitigation Measure Code	Environment Safeguards Purpose	Mitigation Measure	Sub-project Location	Reference	Planning / Execution	Supervision / Monitoring
BD1	Biodiversity	Vegetation on both sides of the road should not be cleared at the same time. Vegetation should be cleared in a phased manner, i.e., vegetation on one side of the road should be cleared first and then the vegetation on the other side. This will allow faunal components time to escape the construction area.	Within RoW/All Project Roads	EMP Contract	PIU/ Contractor	PISC/ KRRDA
BD2	Biodiversity	Invasive alien species disposal sites should be identified prior to the start of construction. The sites should not be in natural and/or critical habitats (Appendix 18; this document). In case signs of accidental introduction of invasive alien species is noted, the same should be eradicated and disposed at dedicated at the pre-identified disposal sites.	Within RoW/Outside RoW/All Project Roads	EMP Contract	PIU/ Contractor	PISC/ KRRDA
BD3	Biodiversity	The contractor should ensure that creation of alternative routes for vehicular movement is prohibited in natural and/or critical habitats. This can be ensured either by keeping the road shut for traffic until the improvement is over or by allowing partial flow of traffic through sections where improvements have already taken place or are yet to begin.	Within RoW/Outside RoW/All Project Roads	Wild Life (Protection) Act, 1972 Forest (Conservation) Act, 1980	PIU/ Contractor	PISC/ KRRDA
BD4	Biodiversity	Existing quarry and borrow sites should be used for sourcing construction material. In case opening of quarry or borrow sites is required, such sites should	Within RoW/Outside RoW/All Project Roads	EMP Contract	PIU/ Contractor	PISC/ KRRDA

		be located outside protected areas, forest lands, and natural or critical habitats.				
BD5	Biodiversity	Habitats adjacent to the RoW that may be impacted must be restored after the construction phase is over.	Within RoW/Outside RoW/All Project Roads	Wild Life (Protection) Act, 1972 Forest (Conservation) Act, 1980	PIU/ Contractor	PISC/ KRRDA
BD6	Biodiversity	Improvement of bridges is proposed on season streams based on the data provided by KRRDA and DPR consultants. Improvement works of bridges should be done in dry season when the perennial rivers have minimal flows. Any riverbed substrate impacted should be restored.	Within RoW/Outside RoW/All Project Roads		PIU/ Contractor	PISC/ KRRDA
BD7	Biodiversity	Hunting, poaching, trapping of wild animals as well as collection of firewood or other natural resources from inside the forest lands or legally protected areas as well as natural habitats should be prohibited by the contractor.	Within RoW/Outside RoW/All Project Roads	Wild Life (Protection) Act, 1972	PIU/ Contractor	PISC/ KRRDA
BD8	Biodiversity	Construction should be restricted to the daytime, i.e., between 7:00 and 18:00. Nighttime construction should be discouraged.	Within RoW/Outside RoW/All Project Roads		PIU/ Contractor	PISC/ KRRDA
BD9	Biodiversity	Good housekeeping practices should be followed at construction sites and camps. Food and other wastes that may attract animals should be discarded appropriately. Food waste should not be disposed in a manner that will attract wild animals. (Refer to Appendix 3- Waste Management Plan)	Within RoW/Outside RoW/All Project Roads	Wild Life (Protection) Act, 1972	PIU/ Contractor	PISC/ KRRDA

BD10	Biodiversity	Construction workers should be trained about the forest and wildlife laws and acts in India. They should be sensitized about the dos and don'ts in ecologically sensitive areas.	Within RoW/Outside RoW/All Project Roads	Wild Life (Protection) Act, 1972 Forest (Conservation) Act, 1980	PIU/ Contractor	PISC/ KRRDA
BD11	Biodiversity	Construction waste should be disposed of at designated places which are not in forest lands, legally protected areas, natural and/or critical habitats. Construction waste should not be disposed of in culverts or drainages.	Within RoW/Outside RoW/All Project Roads	Wild Life (Protection) Act, 1972 Forest (Conservation) Act, 1980	PIU/ Contractor	PISC/ KRRDA
BD12	Biodiversity	For roads in critical and/or natural habitats, roadkill hotspots should be identified prior to the construction. Speed breakers and signages indicating road users slow down as covered in EDM-14 should be additionally installed in such areas.	Within RoW/Outside RoW/All Project Roads		PIU/ Contractor	PISC/ KRRDA
BD13	Biodiversity	Residual impacts to natural and critical habitats will be mitigated through the BAP. The BAP includes actions for restoration of habitats at offset sites identified by the Karnataka Forest Department over an area equivalent to the amount of area of vegetation clearance/habitat loss and degradation, as is determined during the construction phase. (Refer to the BAP – Appendix 19).	Outside ROW/Roads in Natural and Critical Habitats	ADB SPS (2009) requirement in natural and critical habitats	PIU/Contractor	PISC/KRRDA

Appendix 19

Biodiversity Action Plan

Appendix 19 – Biodiversity Action Plan

Biodiversity Action Plan

1. This Biodiversity Action Plan has been developed to address the residual impacts to natural and critical habitats for the 591 roads that have been assessed to be in critical habitats. Based on the GIS assessment, it is anticipated that approximately 1,780 hectares of natural and critical habitat will be lost or impacted from the activities in the RoW including provision of shoulders, drains and culverts.
2. The biodiversity mitigation measures highlighted in the EMP require the restoration of disturbed habitats in the RoW, it is anticipated that a proportion of these habitats are unlikely to be restored due to the unavailability of land for restoration in the road RoW. This BAP thereby provides for the restoration of approximately 2,050 hectares of habitats at offset sites determined with the assistance of Karnataka Forest Department to achieve no-net loss followed by net gains in biodiversity.
3. The BAP lists out action items along with the details of the actions. It is accompanied by the Biodiversity Monitoring and Evaluation Plan (BMEP) which will ensure regular monitoring of the action items against the performance indicators provided in the BMEP. An estimated budget for the BAP that has been agreed upon with KRRDA has been provided.
4. The BAP has been presented to the Karnataka Forest Department on 14 July 2026 and its views and recommendations on the same have been considered. The BAP thereby also includes Karnataka Forest Department as one of the responsible parties in the implementation of the BAP. KRRDA will provide financial assistance to the Karnataka Forest Department to ensure that the targets for restoration have been achieved.

Residual Impacts

Residual Impacts Assessment for Critical Habitat Triggering Species

5. This section provides an overview of the impacts to threatened and range-restricted critical habitat triggering species, along with the adequacy of the mitigation measures provided in the EMP, and the significance of residual impacts, if any.

Table 0-1: Determination of Residual Impacts to Critical Habitat Triggering Taxa/Species Groups

Taxon/Species Groups	Anticipated Impacts	Reference to Mitigation Measures	Additional Action
Large Mammals	Loss and degradation of habitats	BD1, BD3, BD4, BD5, BD7, BD8, BD9, BD10, BD11	Habitat restoration at offset sites as recommended in the Subsection 0
Herpetofauna	Decline in abundance of reptiles and amphibians due to on-road mortalities during the operations phase	BD1, BD3, BD5, BD7, BD9, BD10, BD11, BD12, BD13	Habitat restoration at offset sites as recommended in the Subsection 0

Ichthyofauna ¹	Decline in abundance of fish species	BD5, BD6, BD7, BD9, BD10, BD11	Habitats selected for restoration will include riparian habitats in critical habitats as well (Subsection 0)
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Permanent Degradation and Loss of Habitats During Construction Phase

- The proposed road improvement involves provision of shoulder and drains outside the carriageway. A belt of 1 to 3 metre will be impacted from these activities. The belt of 1-3 m width is characterised by vegetation as well as representatives of floral and faunal components in the adjacent habitats. Degradation or loss of natural and critical habitats during the construction phase will require restoration through offset. In-situ restoration is unlikely to compensate for the degradation or loss of habitats during construction phase due to the limited availability of space within the RoW. These impacts will thereby have to be mitigated through offsets.

Table 0-2: Habitat Types Likely to be Impacted from the Proposed Project along with Category, Area, and Conservation Priority

Habitat Type	Area (ha)	Percentage	Habitat Category	Conservation Priority
Agricultural/Crops	2351.39	44.33	Modified	Low
Built-up area / Human settlements	1161.58	21.9	Modified	Low
Bare rock/Ground/Compacted Surface	6.32	0.12	Modified	Low
Others	5.16	0.1	Modified	Low
Tree cover / Forest (Outside Protected Area - Managed/Plantations)	893.53	16.84	Natural/Critical	High
Scrubland	655.76	12.36	Natural/Critical	Medium
Waterbodies	27.21	0.51	Natural/Critical	High
Grassland	12.04	0.23	Natural/Critical	High
Flooded vegetation / Wetlands (Outside Protected Area)	2.69	0.05	Natural	Medium

¹ Critical habitat assessment for amphibian and fish species has not been completed at this stage; the assessment will be completed after additional surveys in the monsoon and winter season. However, amphibian and fish species have been included in the BAP consideration at this stage considering that a few fish species may be determined to be critical habitat triggers in the subsequent revisions of this report/assessment.

Tree cover / Forest (Inside Protected Area)	188.93	3.56	Natural/Critical	High
Flooded vegetation / Wetlands (Inside Protected Area)	0.07	0	Natural/Critical	High
Total	5304.68	100	-	-

Source: GIS assessment based on the geospatial data available for the project

7. In compliance with ADB's SPS (2009), estimated loss of over 1,780 hectares will have to be restored across terrestrial and riparian habitats. However, the figure 1,780 hectares has been determined from desk-based GIS assessment and may be revised after the actual losses have been calculated prior to the construction. Thereby, this BAP provides for the restoration of 2,050 hectares of habitat through offset, as that is the maximum possible habitat loss or degradation that can occur. This was determined by assuming that a belt of 3 m on the sides of the 591 roads in critical and natural habitats will be lost or degraded.
8. Restoration should follow the like-for-like or better principle. To ensure compliance with this, a standardised method for assessing habitat types and conditions such as Ramboll's Global Biodiversity Metric (GBM) should be utilised. The GBM provides for habitats conditions assessment to determine whether the habitats lost or restored are of good, medium, or poor quality. Primary surveys in the summer season indicated that the overall condition score of habitats or vegetation inside the RoW likely to be lost to be 'poor' or 'medium', at best. The objective of the BAP will be to achieve 'good' conditions of habitats at restoration sites. Since restoration of habitats over an area equivalent to habitat loss or degradation is proposed, achieving good quality of habitats over five to ten years following construction will ensure not just no-net loss of natural and critical habitats, but net gains. The GBM along with the habitats conditions assessment forms can be found here: <https://www.ramboll.com/en-apac/measuring-biodiversity>
9. The table below provides an estimated area of restoration proposed in each natural/critical habitat that is likely to be impacted.

Table 0-3: Status of the Proposed Habitat Restoration Actions

Habitat Category	Habitat Type	Area Impacted (ha)	Total Area to be Restored (ha)	Present Status of Restoration (ha)	Remaining Area to be Restored (ha)
Natural/Critical	Tree cover / Forest (Outside Protected Area - Managed/Plantations)	893.53	893.53	0.00	893.53
Natural/Critical	Scrubland	655.76	655.76	0.00	655.76
Natural/Critical	Waterbodies	27.21	27.21	0.00	27.21
Natural/Critical	Grassland	12.04	12.04	0.00	12.04

Natural	Flooded vegetation / Wetlands (Outside Protected Area)	2.69	2.69	0.00	2.69
Natural/Critical	Tree cover / Forest (Inside Protected Area)	188.93	188.93	0.00	188.93
Natural/Critical	Flooded vegetation / Wetlands (Inside Protected Area)	0.07	0.07	0.00	0.07
Total (rounded off)		1,780	1,780	0.00	1,780

Note: That the Project is in planning stage is appreciated; thereby no restoration activities have begun as of July 2026; however, this table can be used for accounts-keeping in the future as restoration activities are initiated.

10. In order to quantify actual degradation or loss of habitats during the construction phase, the BAP provides for the engagement of an NGO which has capacity in the form of qualified ecologists that can be deployed to the road sub-projects for pre-construction surveys and continued monitoring along the roads. The objectives, scope of work, duration, desired qualifications etc. have been provided in the form of ToR and is annexed to the EIA report.

11. The action items proposed in this BAP are presented in the table below.

Table 0-4: Action Items of the BAP

Action Item	Description	Phase
Engagement of NGOs for pre-clearance surveys	Suitable NGO with qualified ecologists will be employed to perform pre-construction surveys to quantify actual natural and critical habitat losses, inventory invasive alien species, bird nests in the vegetation and to determine on-road faunal mortality hotspots along the 591 roads in critical habitats	Pre-construction
Training for the Ecologists employed with the NGO	Training of the ecologists for the quantification of habitat losses, invasive alien species, and nesting surveys	Pre-construction

Habitat restoration at offset sites	Provide financial and technical assistance to the Karnataka Forest Department for the restoration of ~2,050 hectares of habitats at offset sites determined with the help of Karnataka Forest Department	Pre-construction Construction
Community Awareness	PIUs should organise awareness sessions on biodiversity and celebrations, competitions with biodiversity as a theme or subject	Pre-construction Construction Operations

12. A Biodiversity Monitoring and Evaluation Programme (BMEP) for the BAP is presented below.

Table 0-5: Biodiversity Monitoring and Evaluation Plan

Action Item	Implementation Responsibility	Parameter to be Monitored	Frequency of Monitoring	Monitoring Responsibility	Means of Verification	KPI
Habitat restoration at offset sites	KFD with financial (and technical) assistance from KRRDA	Habitat type and condition of habitat at the offset site proposed to be restored	Six monthly	The appointed NGO	Habitat type, condition and extent register maintained by KFD	Achieve at least 40% of the parameters required for 'good' condition in five years of monitoring ²

13. The BMEP may be implemented by using the compliance assessment form provided in the table below.

Table 0-6: Compliance Assessment Form

Action Item	Phase	Proposed Timeline for Commencement	Proposed Timeline for Completion	Target	Status

² <https://www.ramboll.com/en-apac/measuring-biodiversity>

Engagement of NGO	Pre-construction	Within 1 month of loan agreement; but prior to construction	No later than 2 months of loan agreement	The engagement of an NGO with qualified ecologists as per the ToR	Not initiated
Pre-construction Surveys	Pre-construction	1 month prior to the scheduled start of construction	Surveys must be concluded prior to the start of the construction activities	The NGO to undertake pre-construction biodiversity surveys along the Project roads	Not initiated
Natural and critical habitat loss and degradation estimation	Construction	At the time of site clearing activities	Prior to civil works commencement following site clearance	The habitat type, extent, and condition score (good/medium/poor) of the impacted habitats will be calculated by the ecologists of the engaged NGO prior to the start of the construction	Not initiated
Identification of offset sites	Pre-construction Construction	Within 3 months of the estimation of natural and critical habitat loss and degradation (preceding action item)	No later than 5 months of estimation of natural and critical habitat loss and degradation (preceding action item)	Offset sites for restoration of habitats equivalent to the actual losses calculated from the previous action to be identified with the help of Karnataka Forest Department	Not initiated
Financial assistance	Construction	Within 1 month of the identification of the offset sites for restoration	No later than 2 months of the identification of the offset sites for restoration	Provide financial (and technical) assistance to Karnataka Forest Department for restoration at offset sites	Not initiated

Monitoring of offset sites	Construction Operations	To be commenced in the seventh month after restoration sites have been identified in the preceding action item	The last monitoring cycle should take place no later than one months before the conclusion of the maintenance period	The ecologists of the engaged NGO will monitor the offset sites at a six-monthly frequency to determine if the offset sites are achieving the no-net loss and net gains targets	Not initiated
Closure report	Operations	At the end of the five years of six-monthly monitoring	No later than the conclusion of the five-year maintenance period	At the end of operations phase, the NGO will provide a closure report demonstrating status against the no-net loss targets, course correction (if required) and way forward	Not initiated

14. The budget for the BAP is presented below. The costs provided here are the total (capital expenditure) costs.

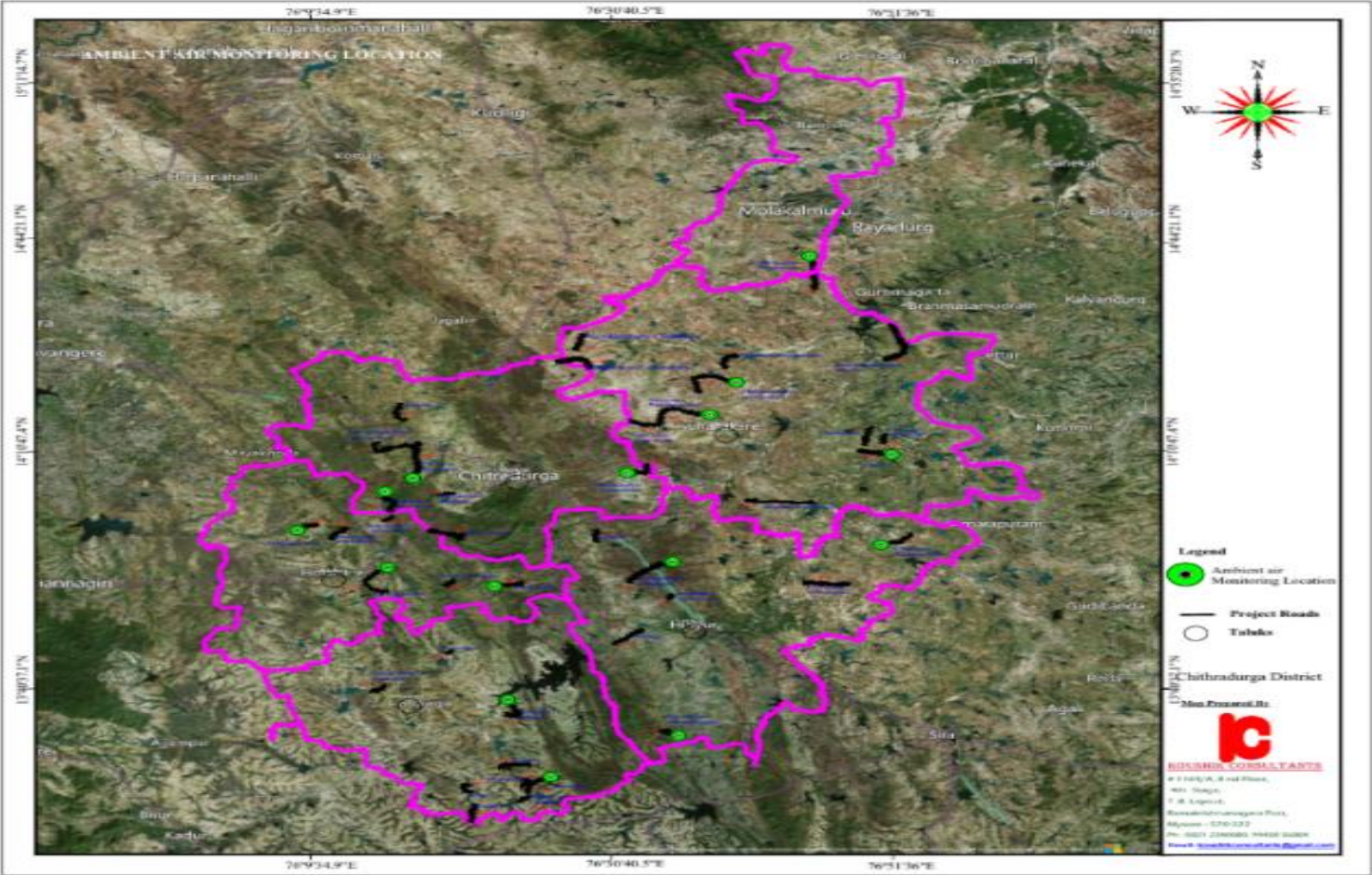
Table 0-7: Budget of the Biodiversity Action Plan

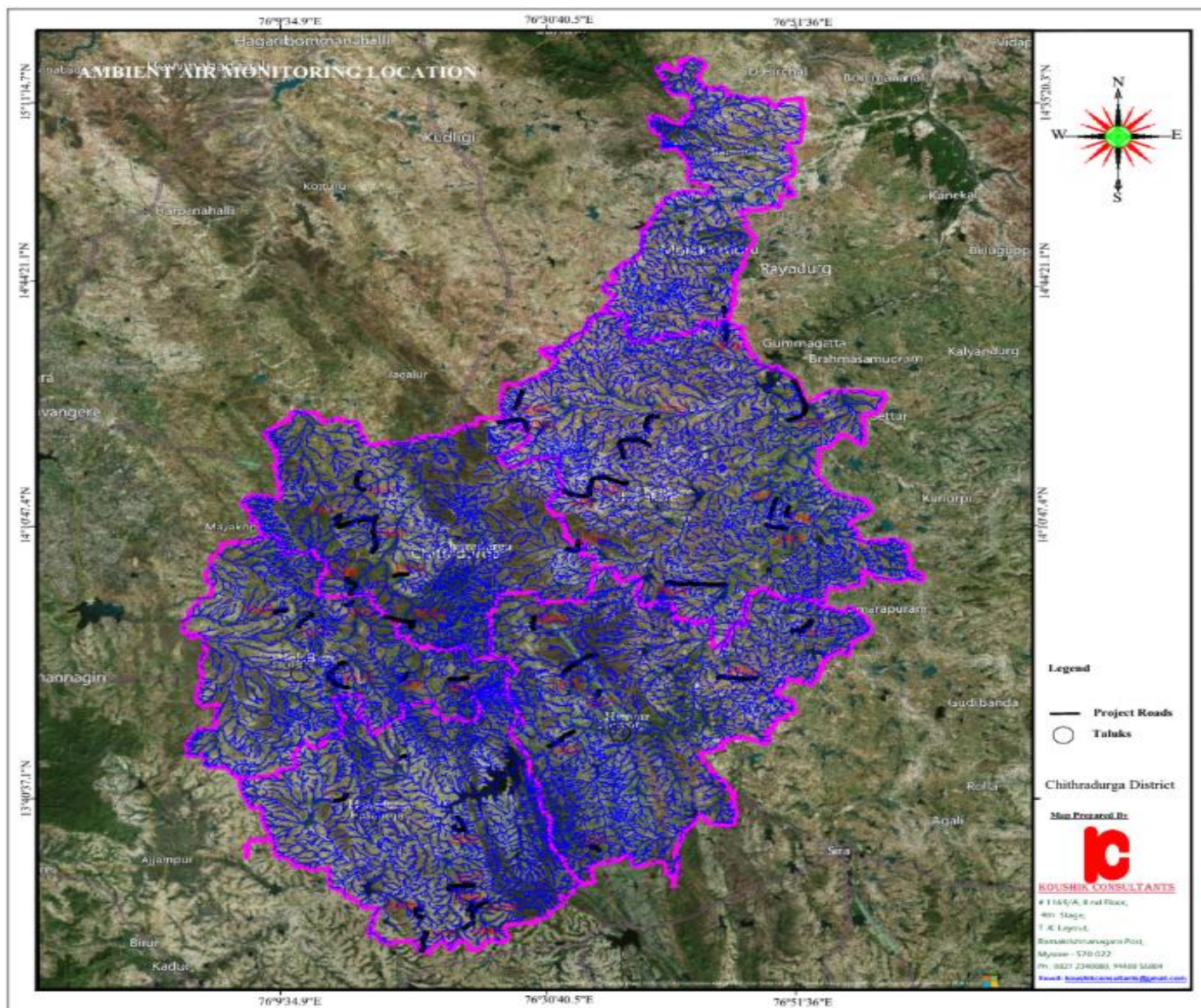
Action Item	Approximate Total Cost (USD)
Engagement of NGO for pre-clearance surveys	USD 35,00,00.00
Training for the Ecologists employed with the NGO	USD 5,00,00.00
Habitat restoration at offset sites	USD 3,29,68,00.00
Community Awareness	USD 5,50,00.00
Total cost	USD 3,75,18,00.00

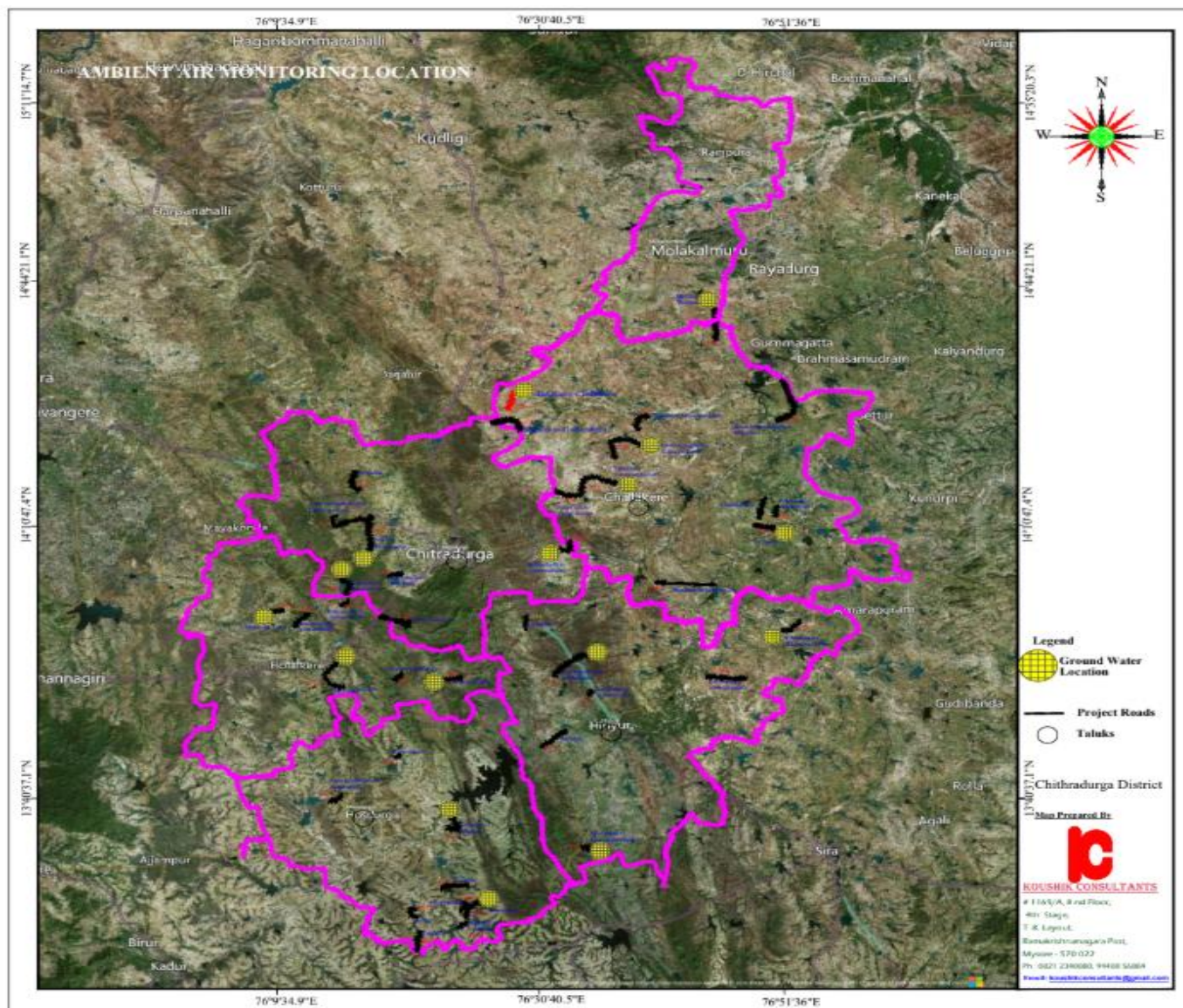
Appendix 20

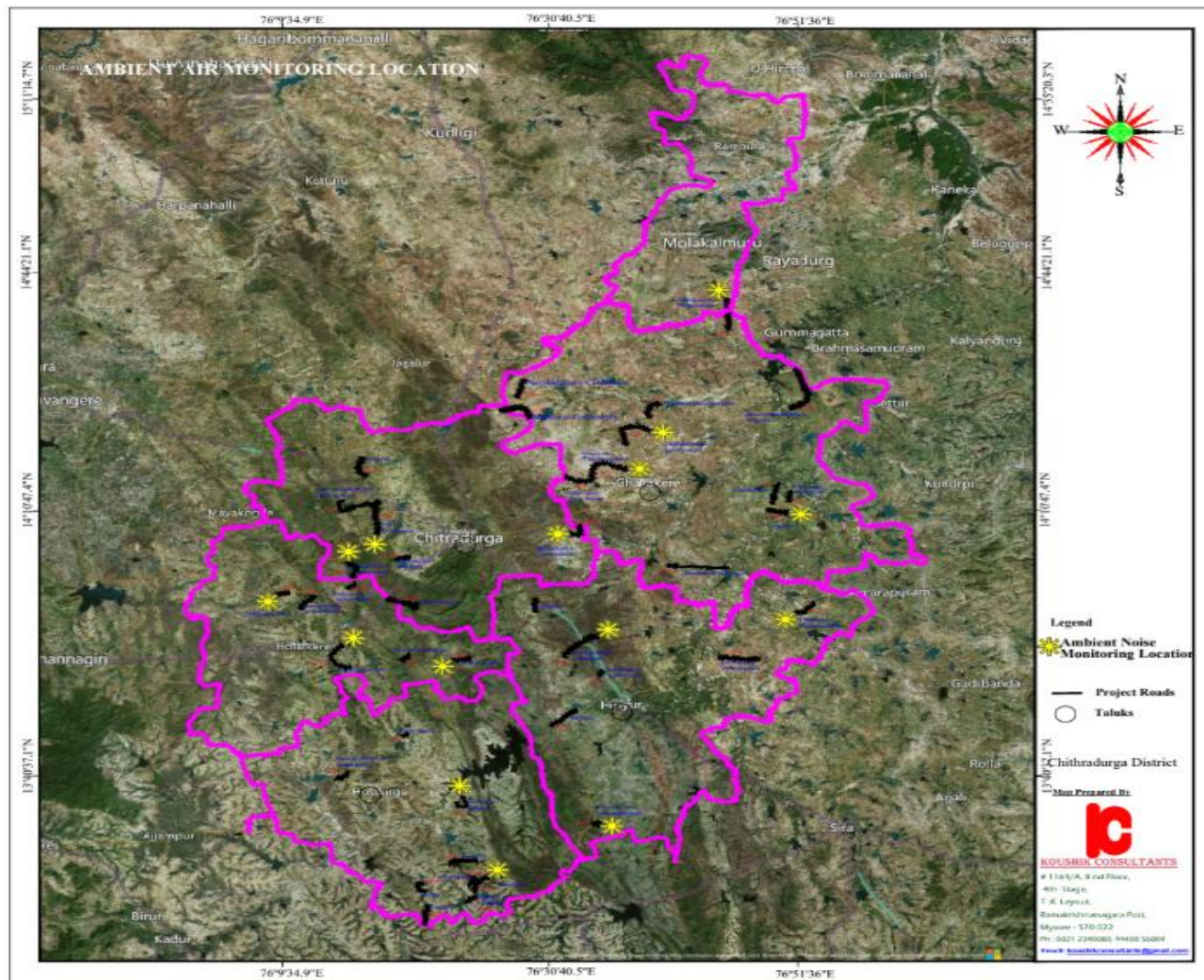
Environmental Monitoring Locations maps

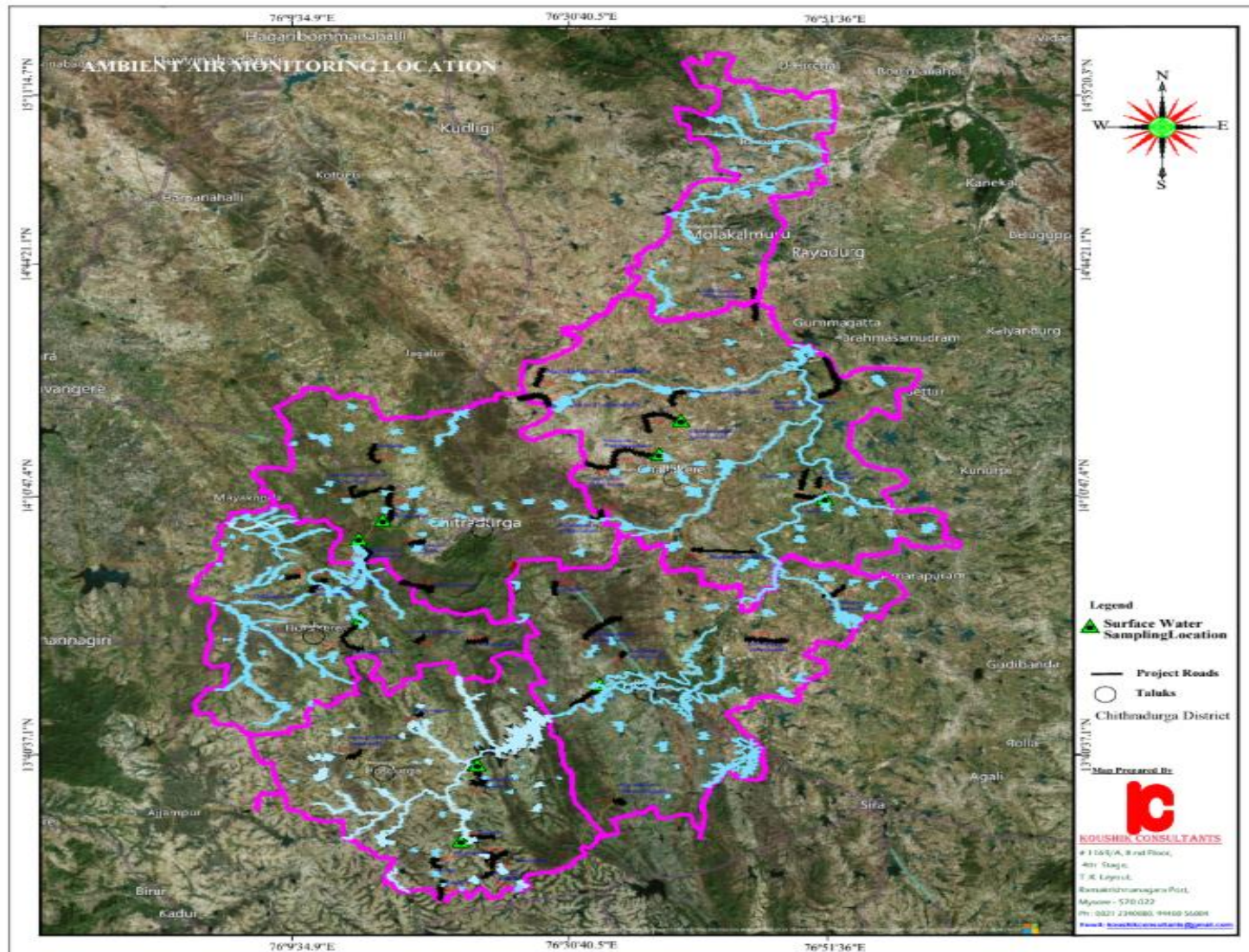
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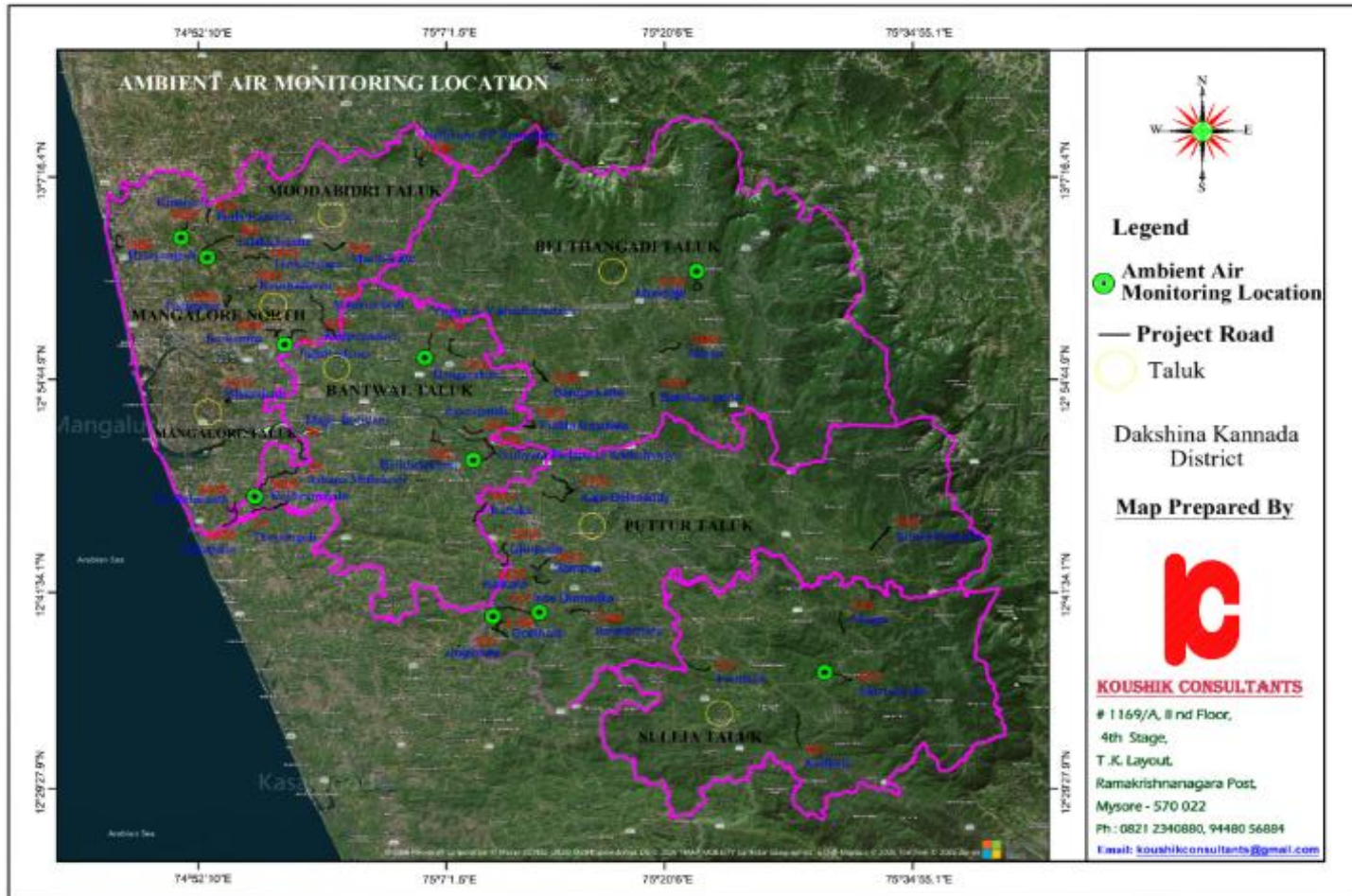


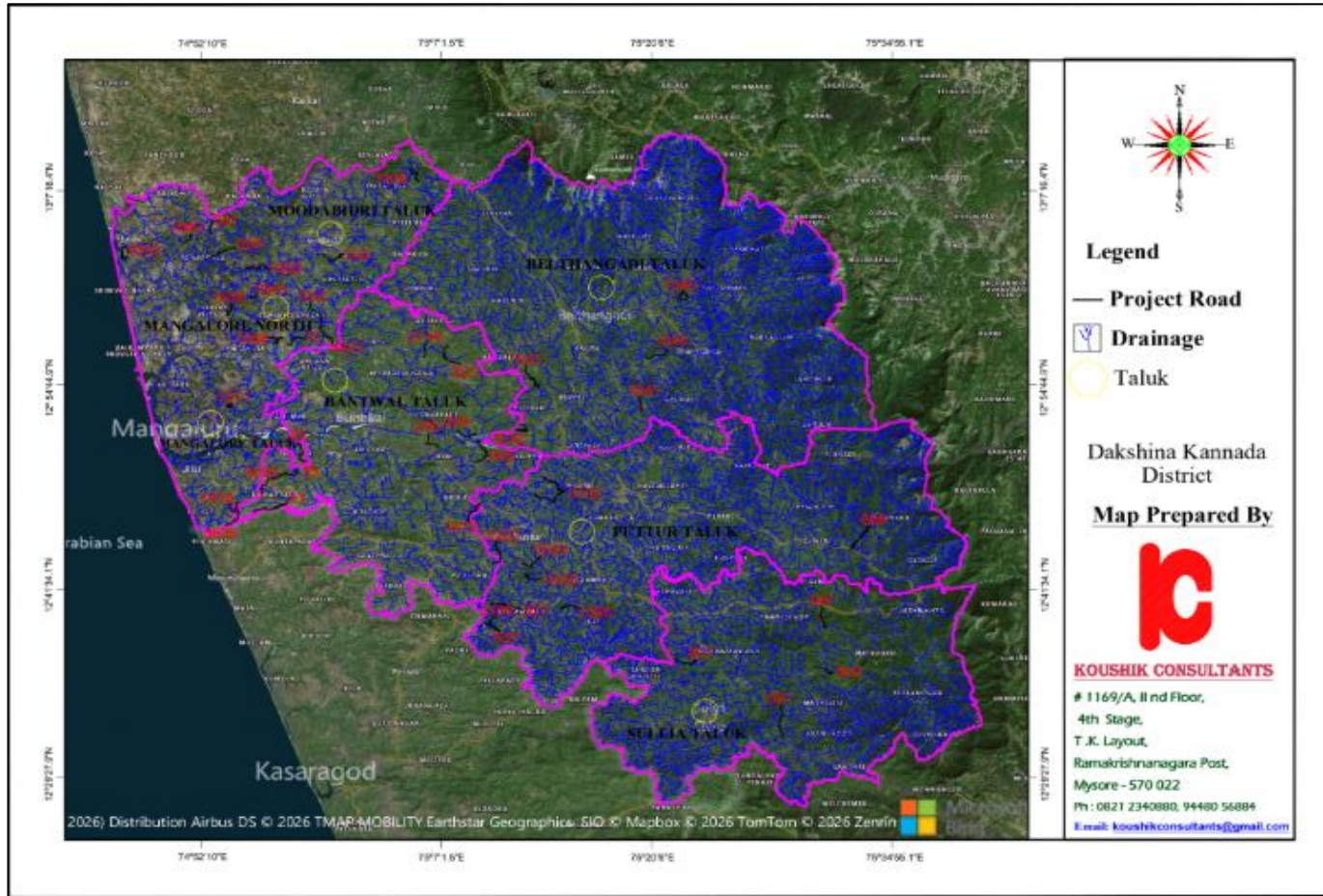


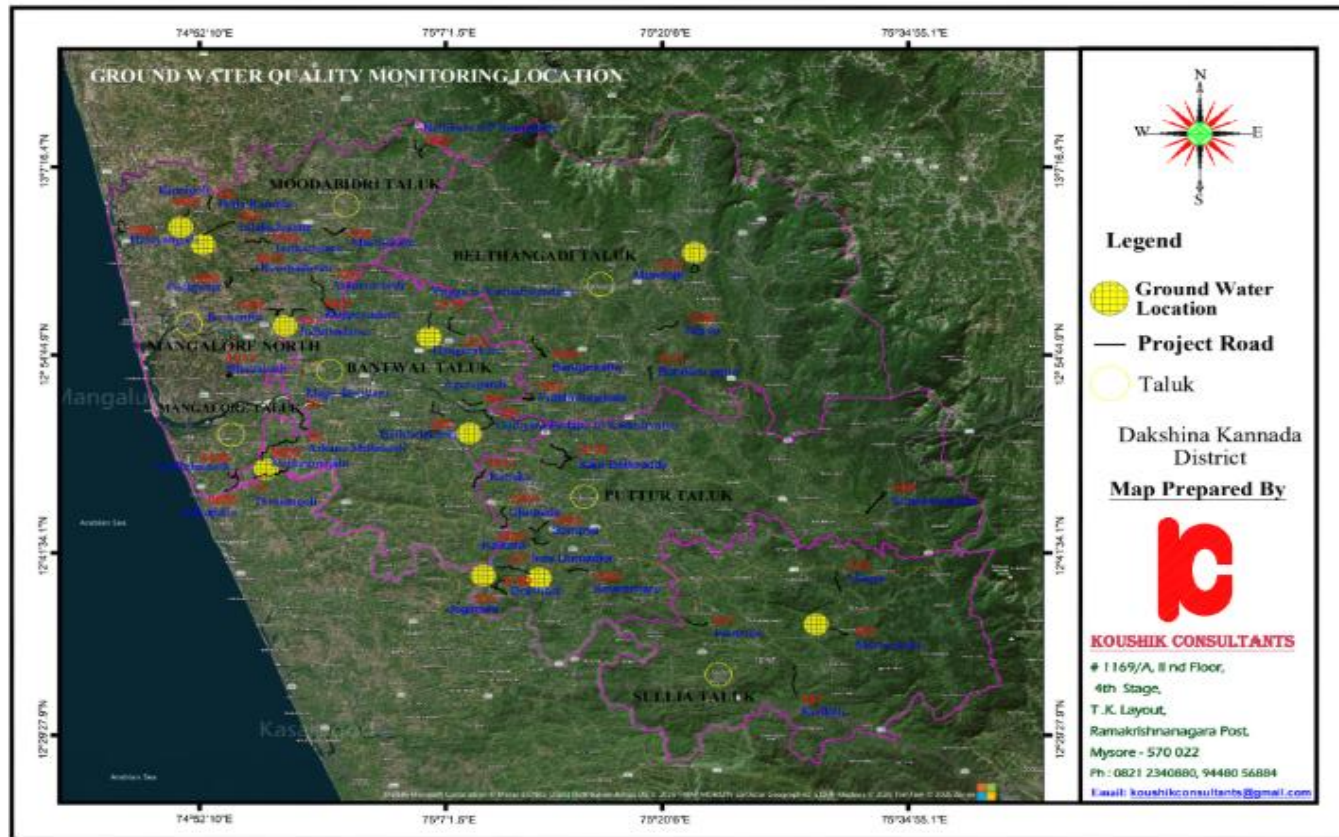


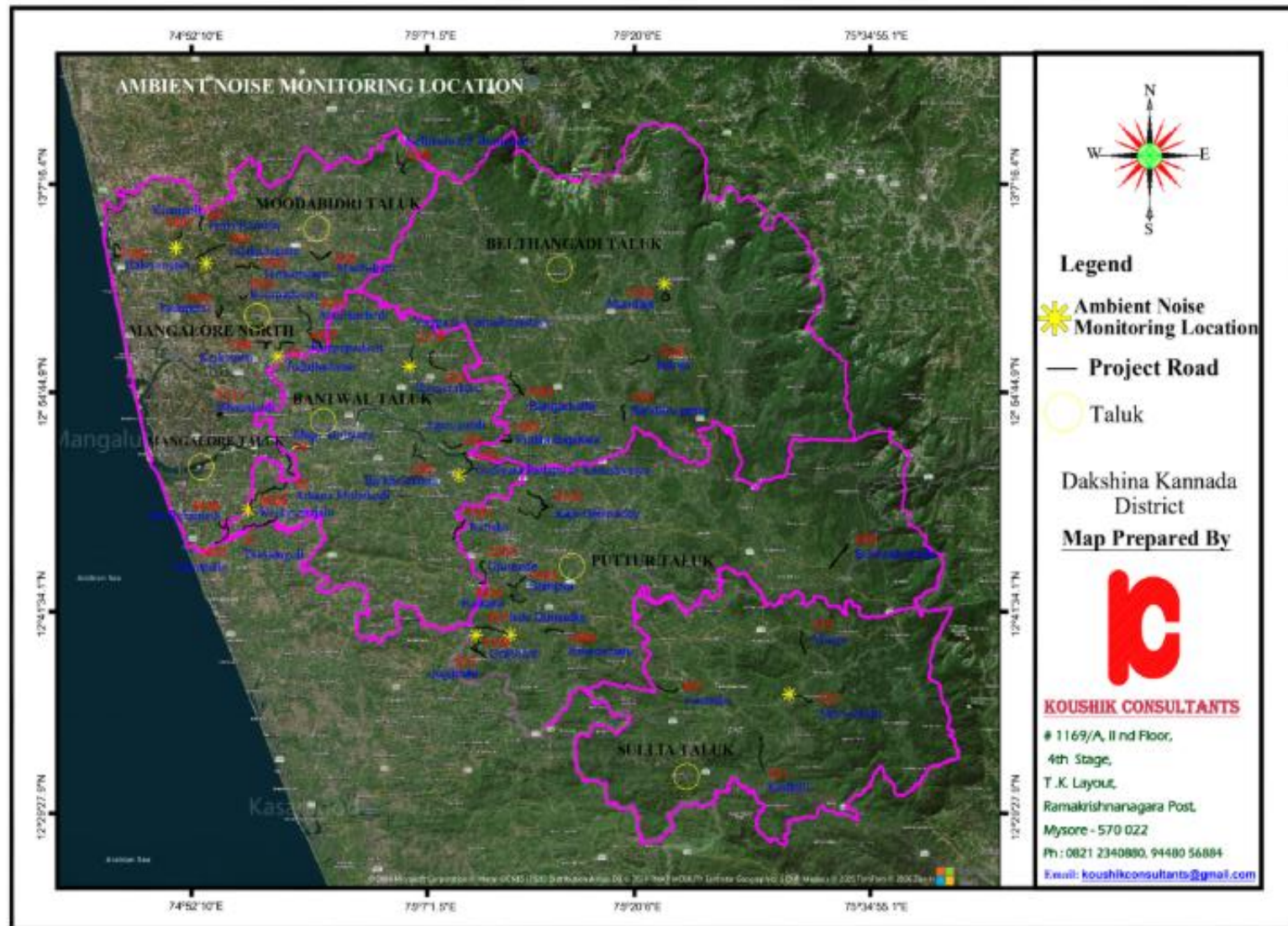


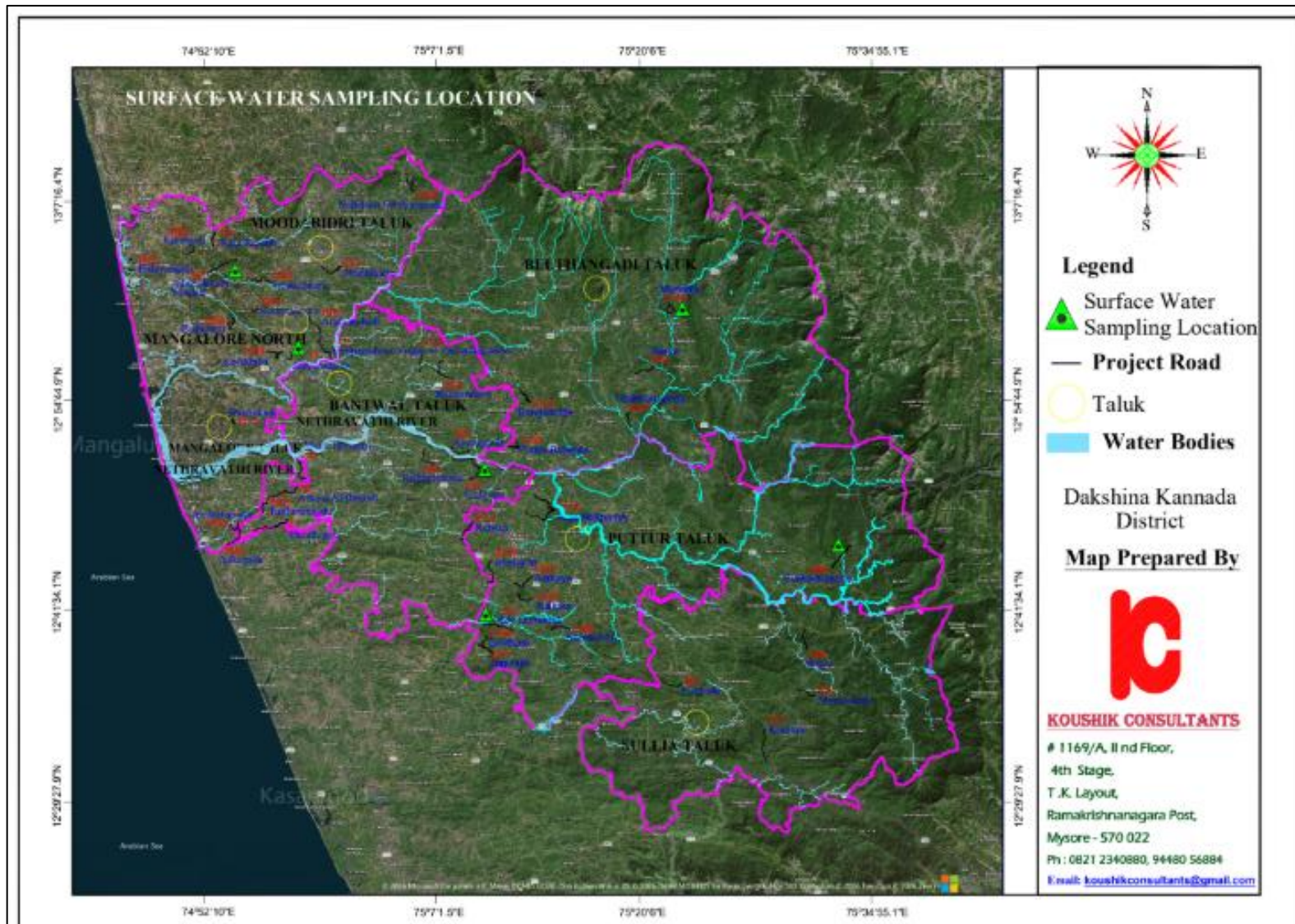
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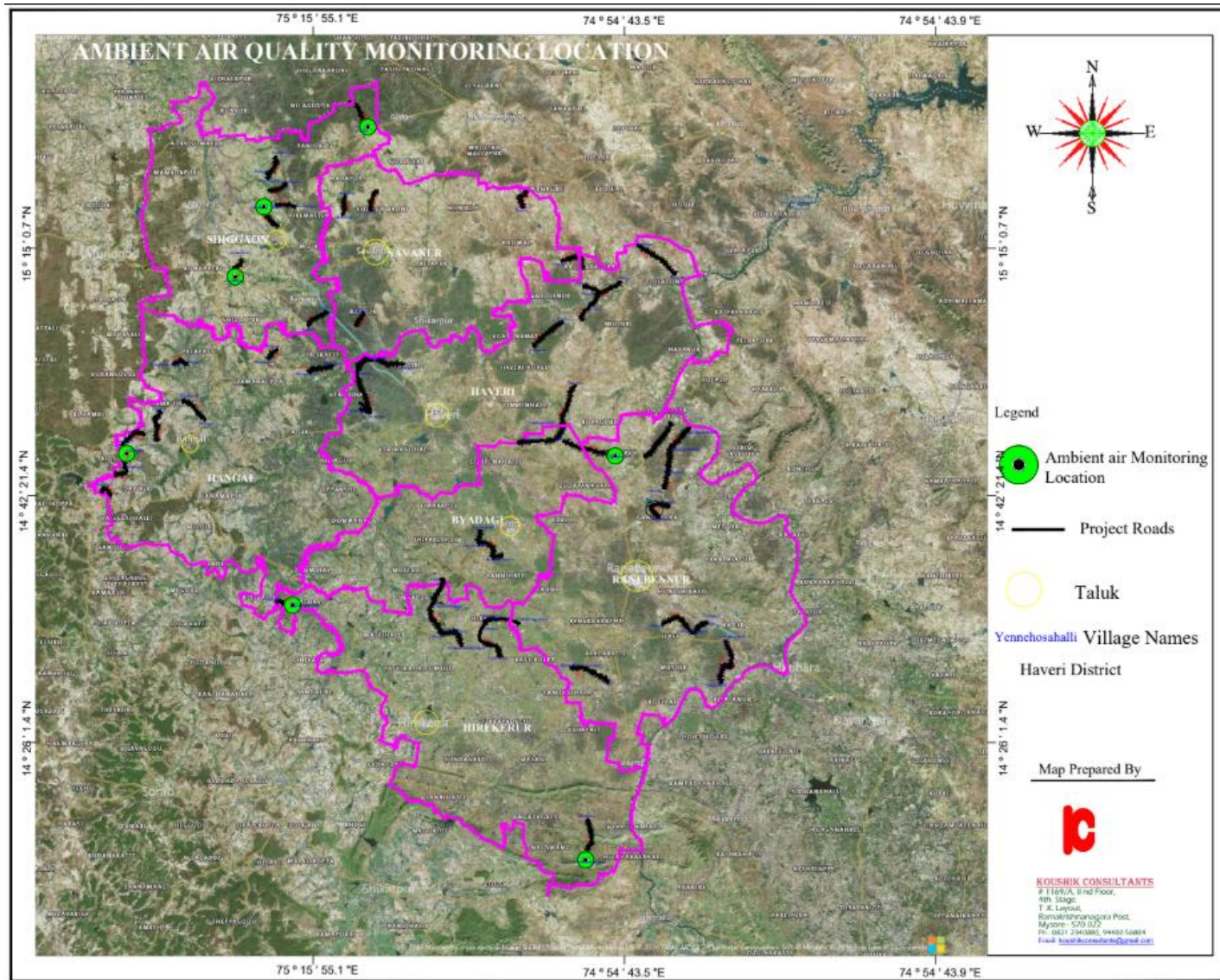


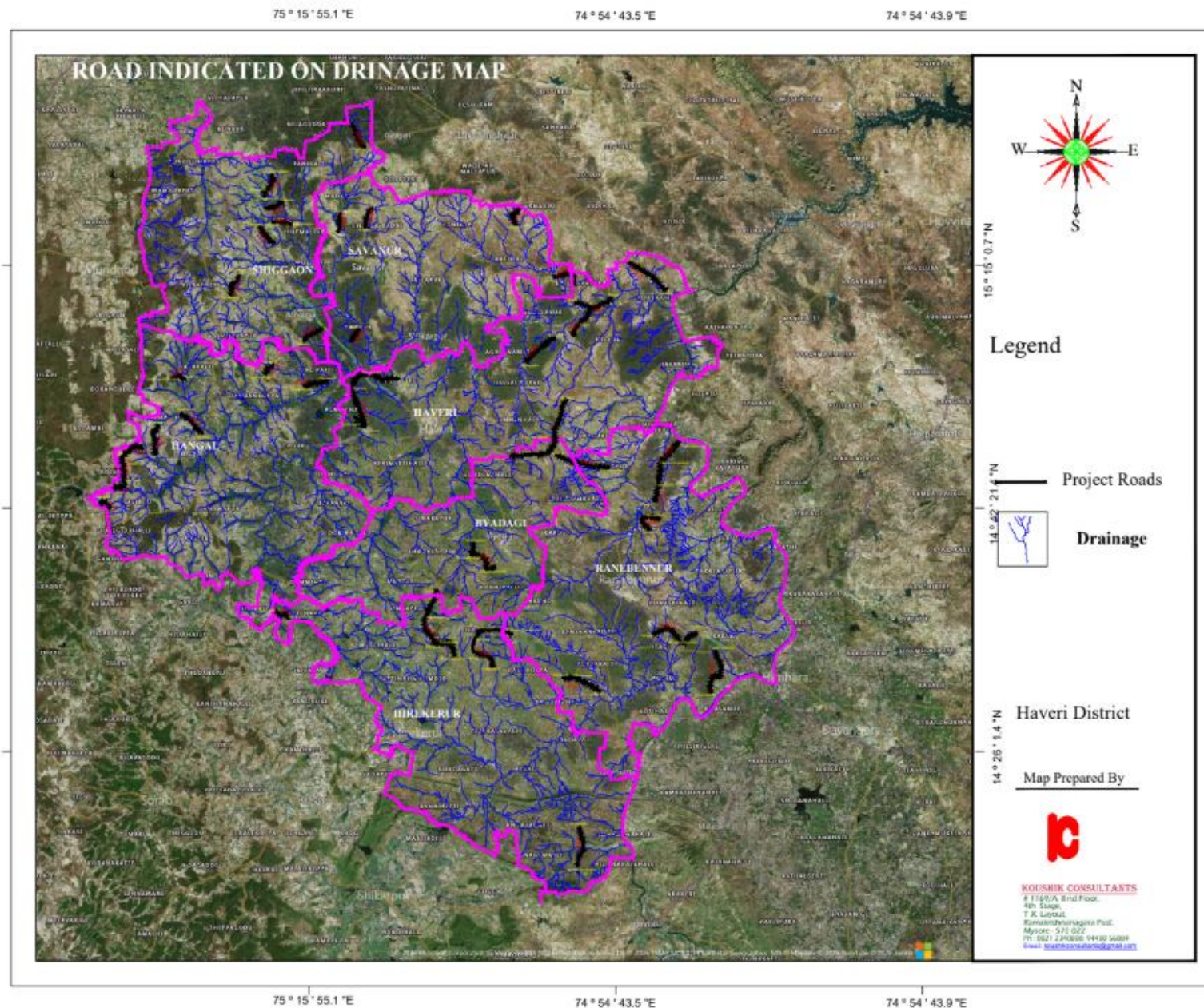


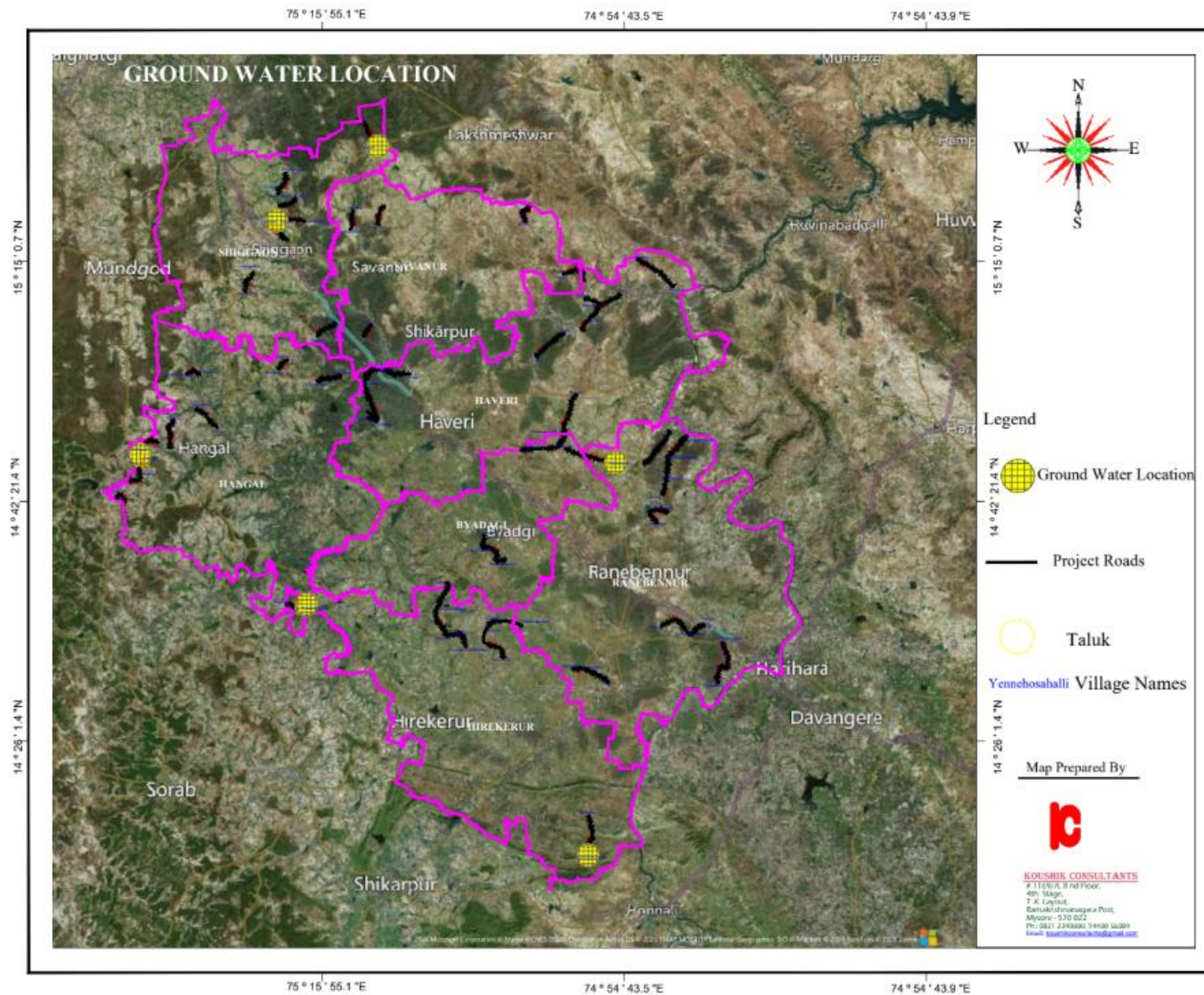


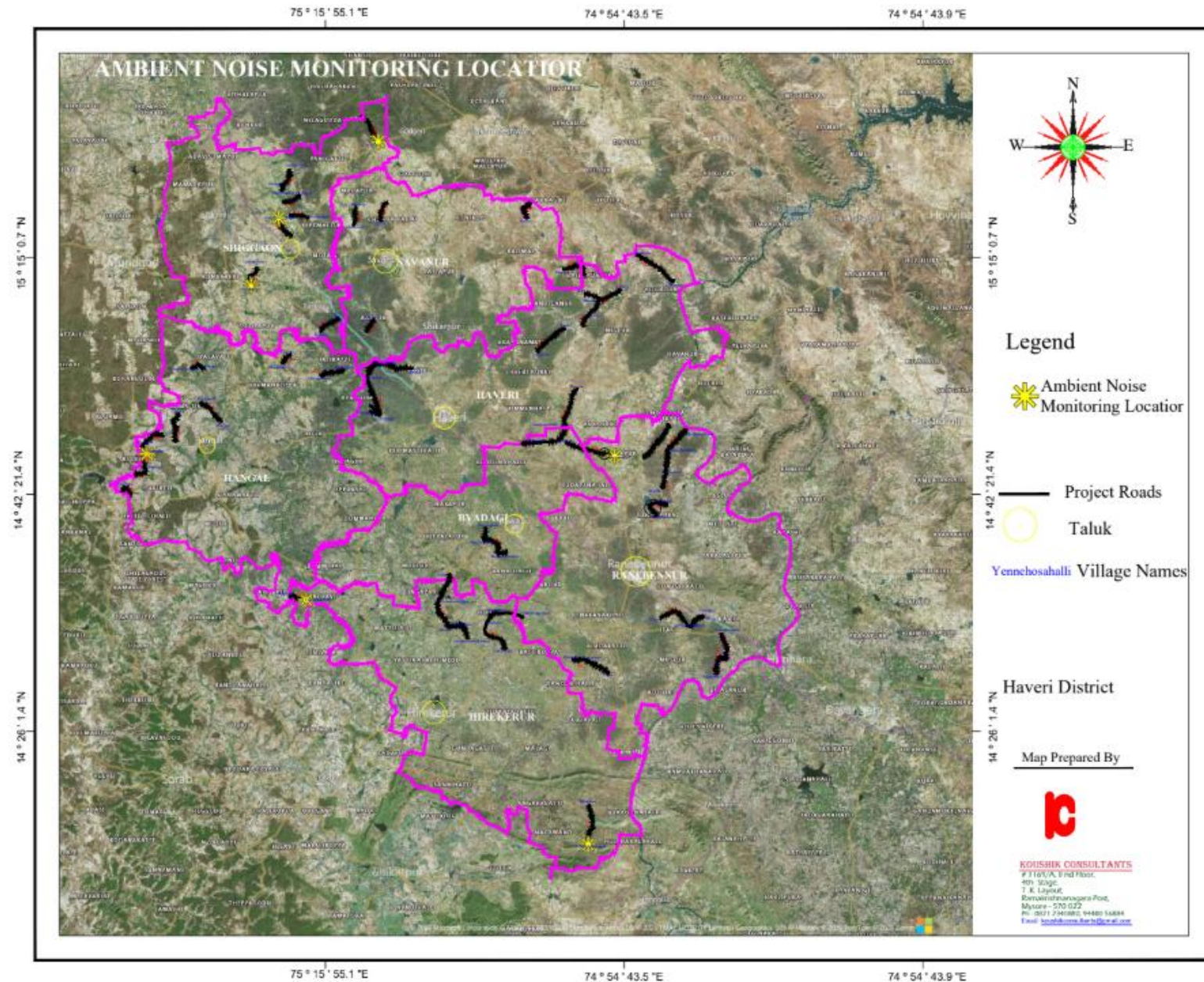


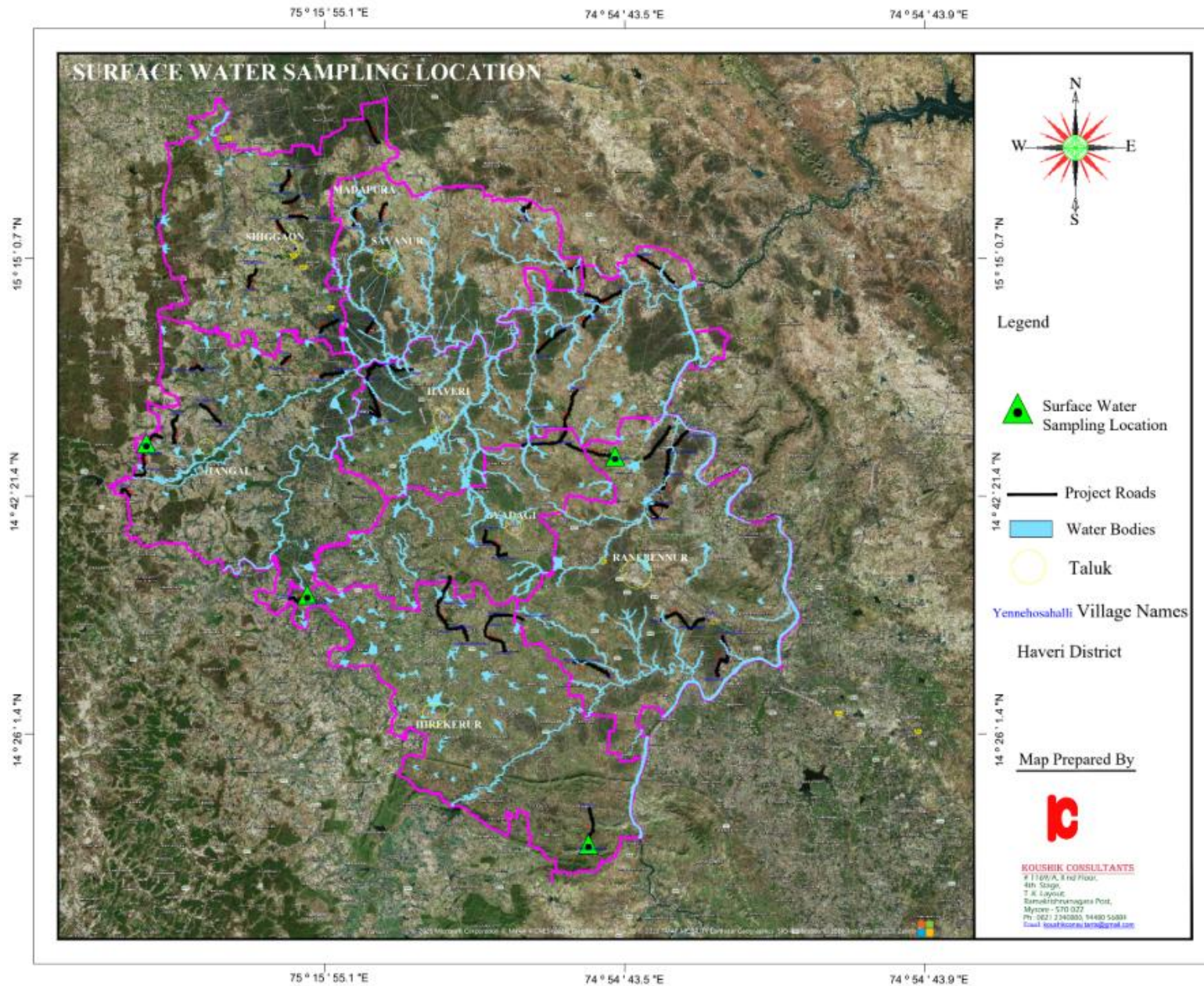
Haveri District



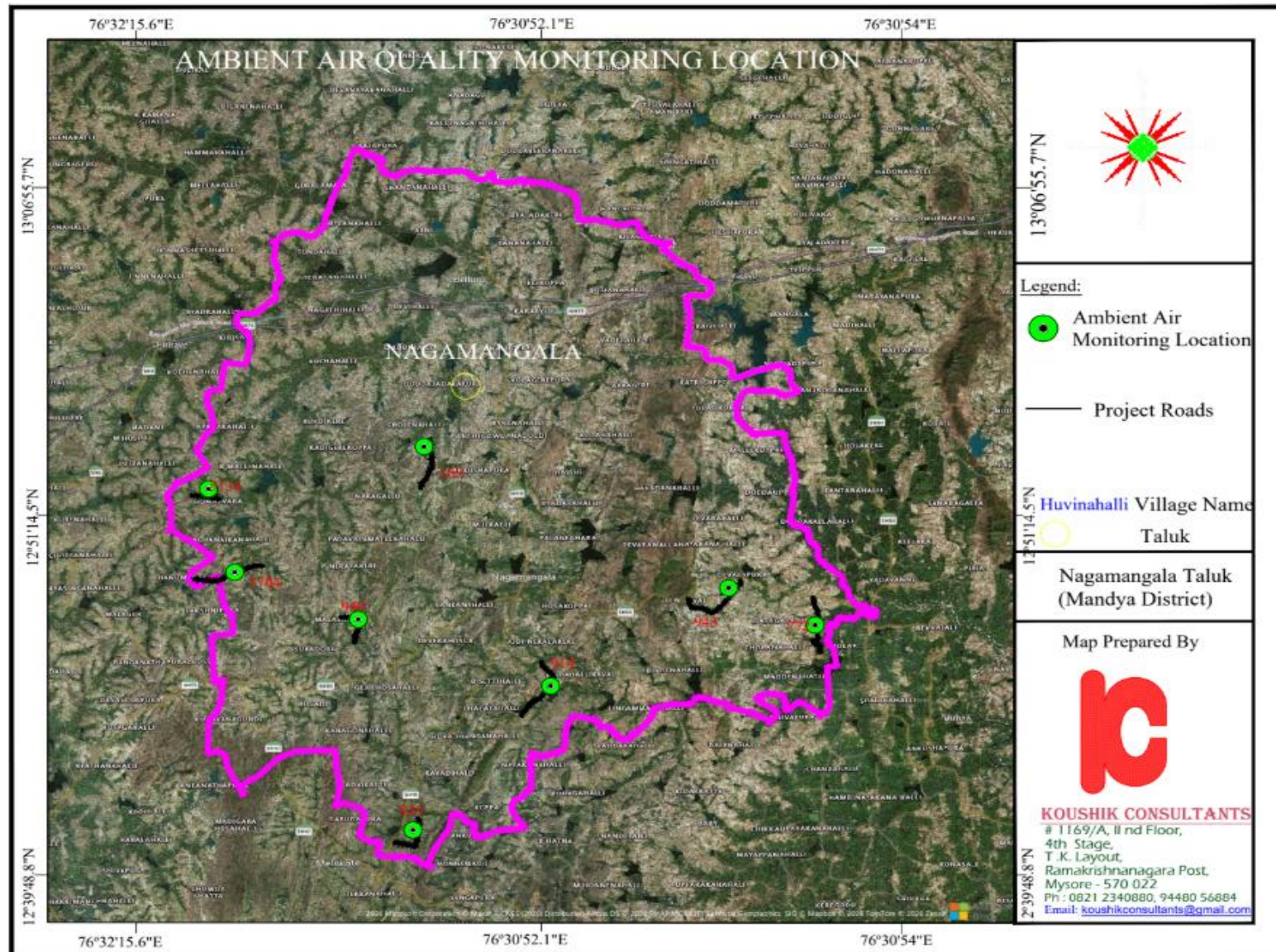


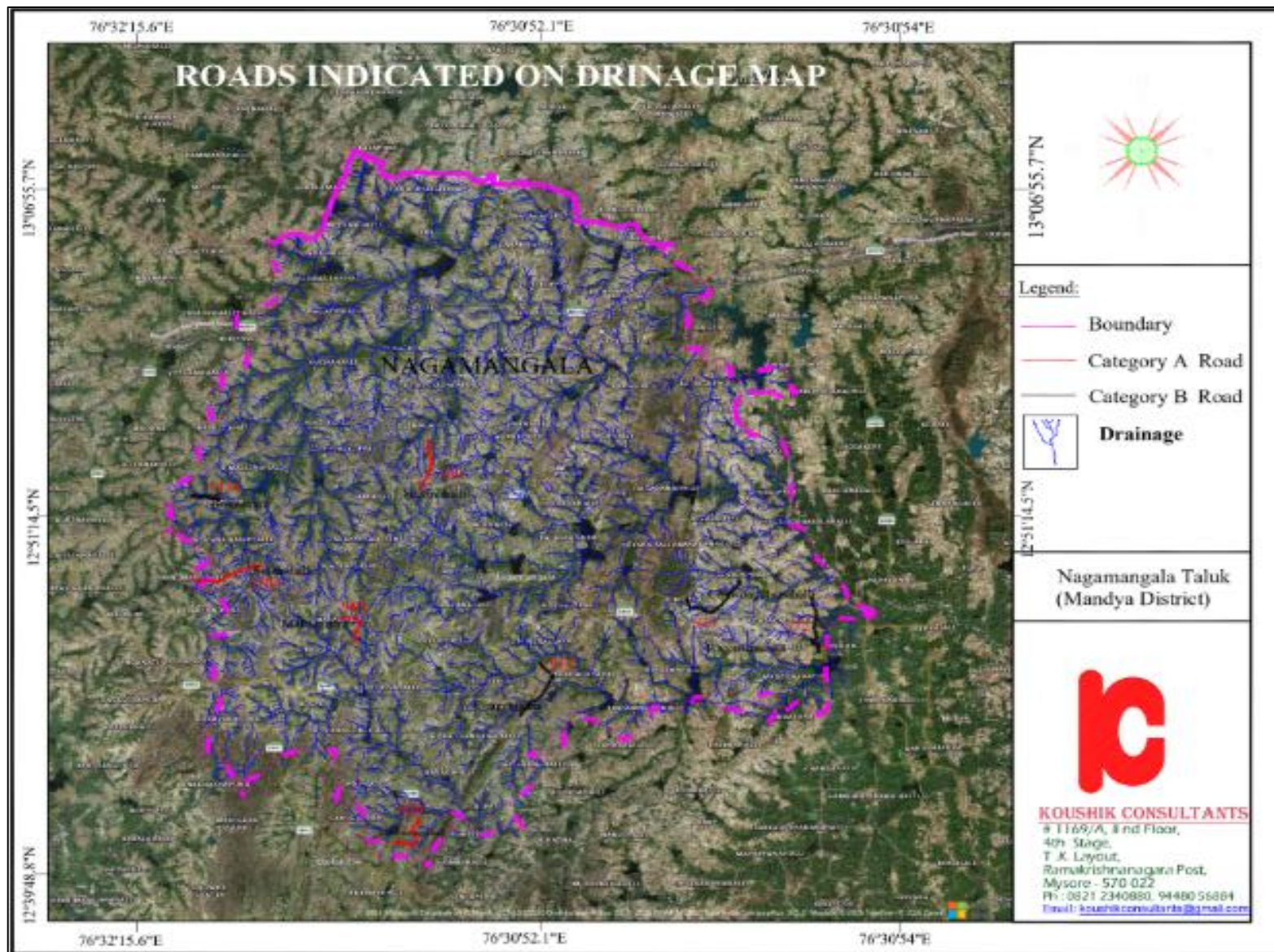


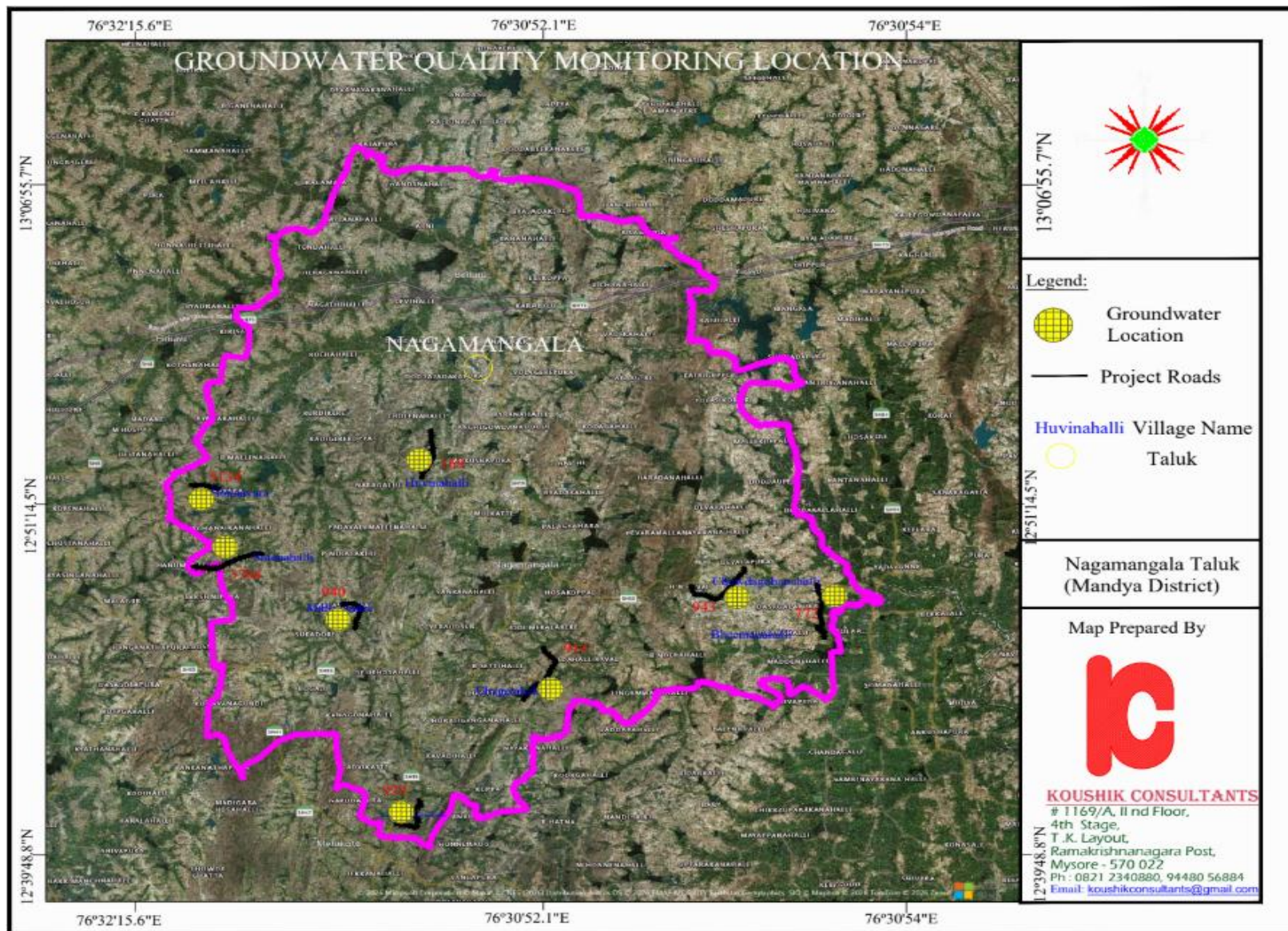


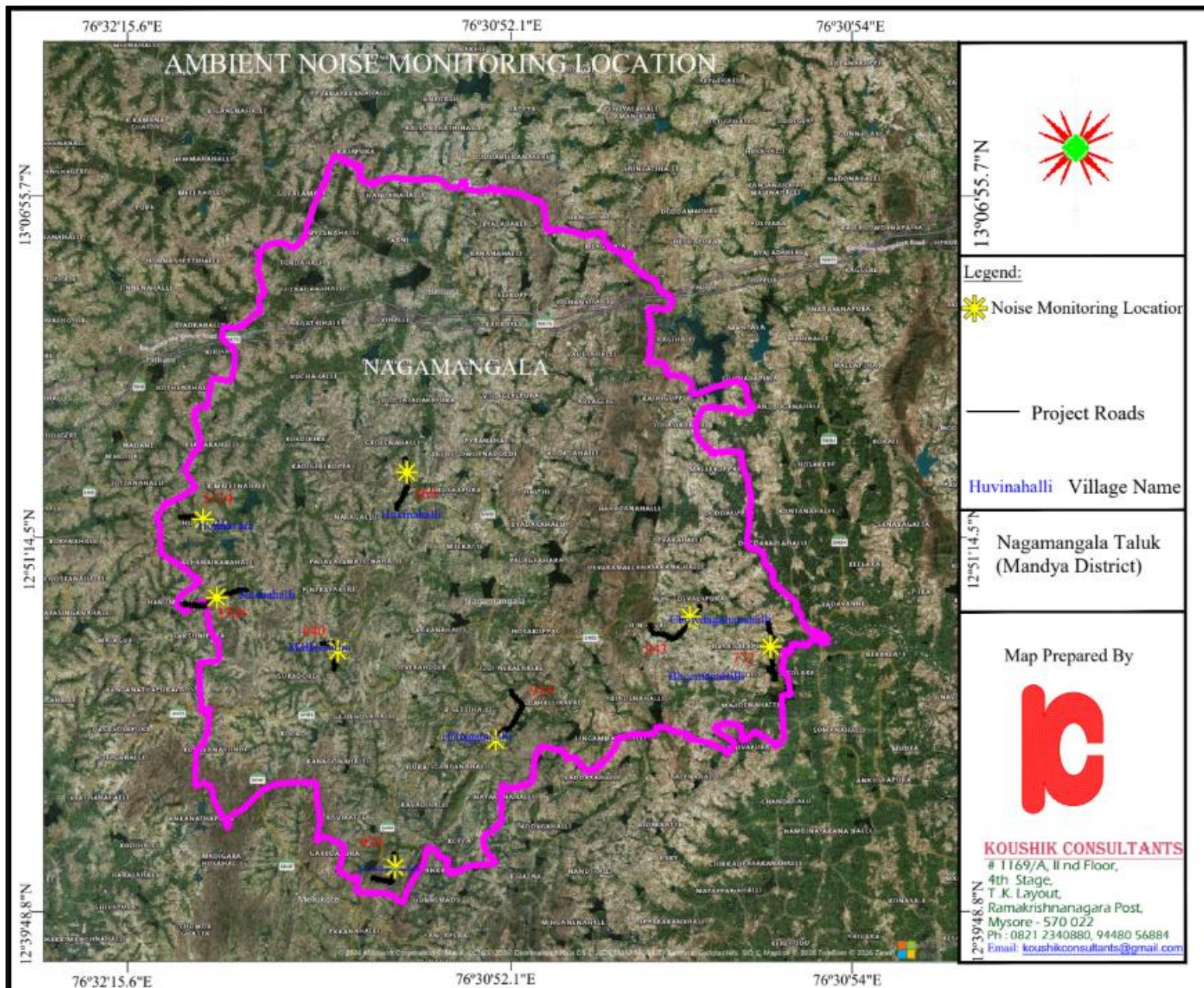


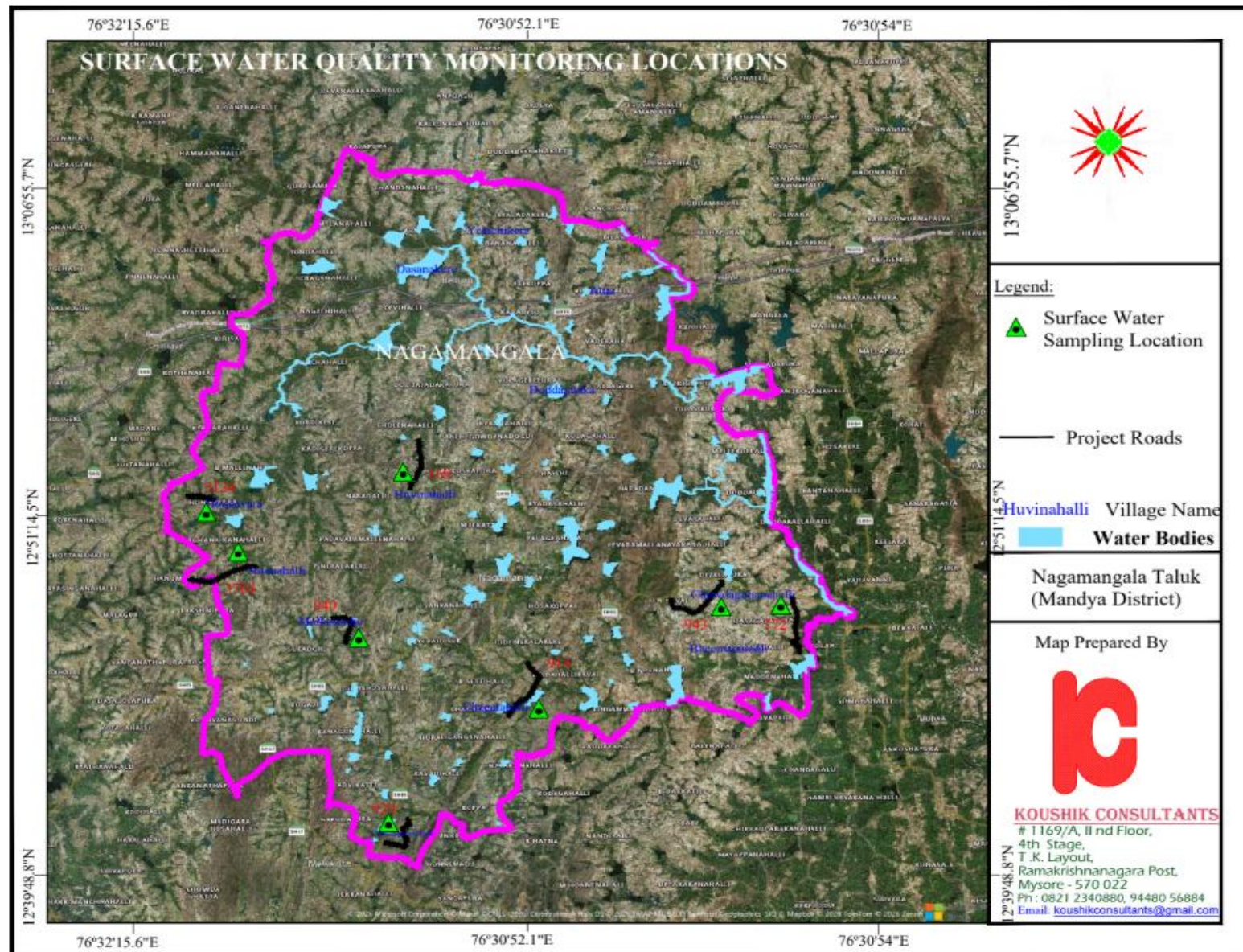
Mandya District

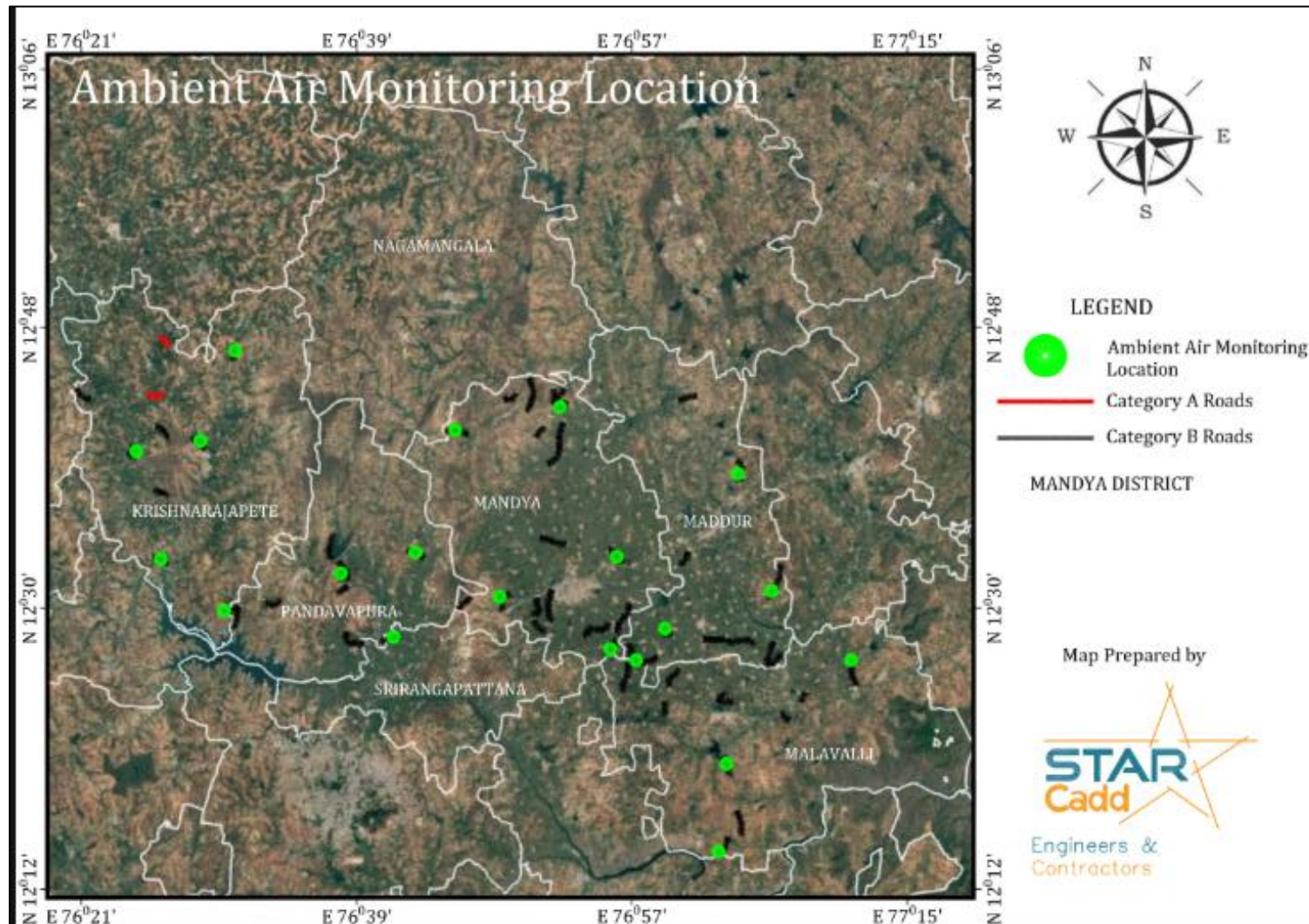




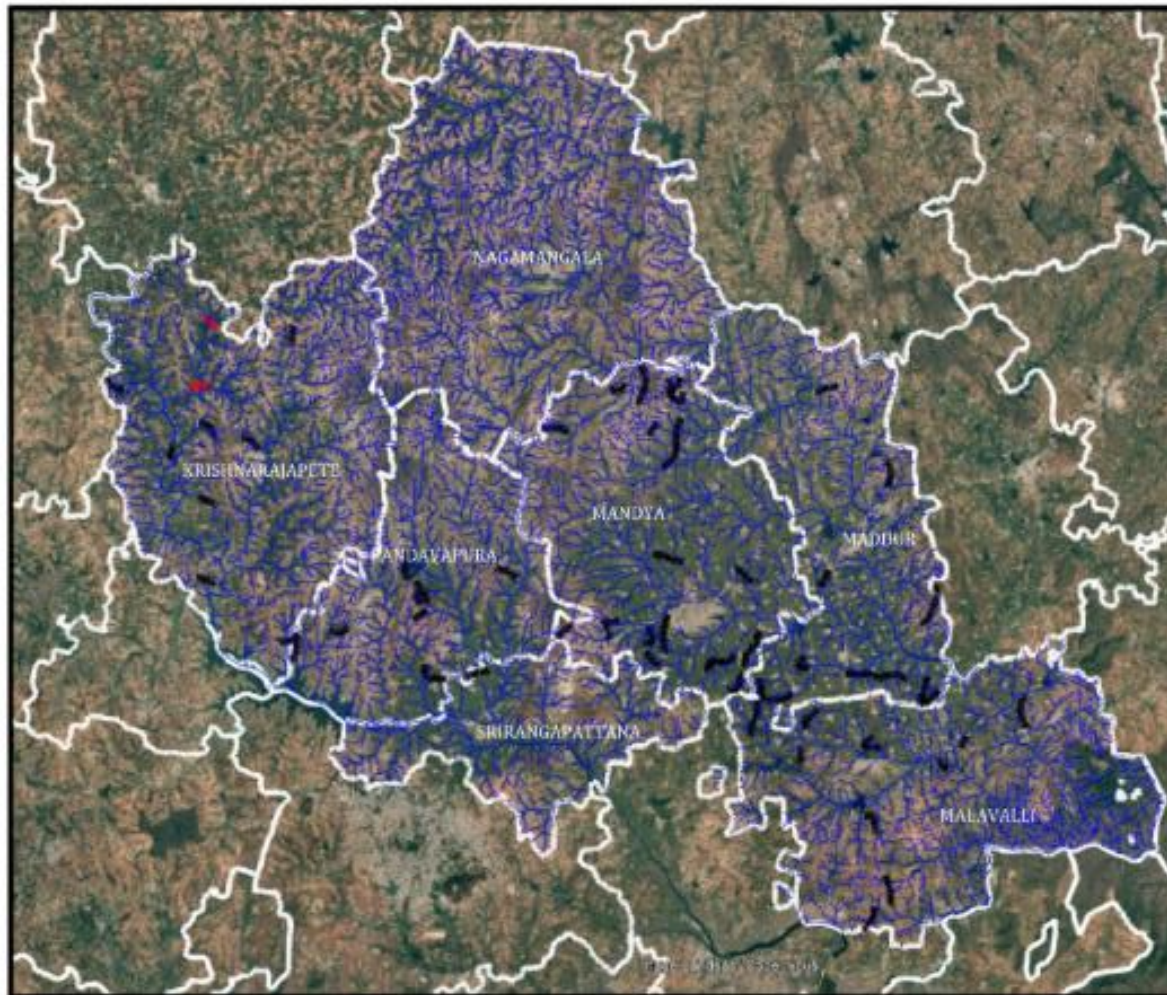








ROADS INDICATES ON DRAINAGE MAP



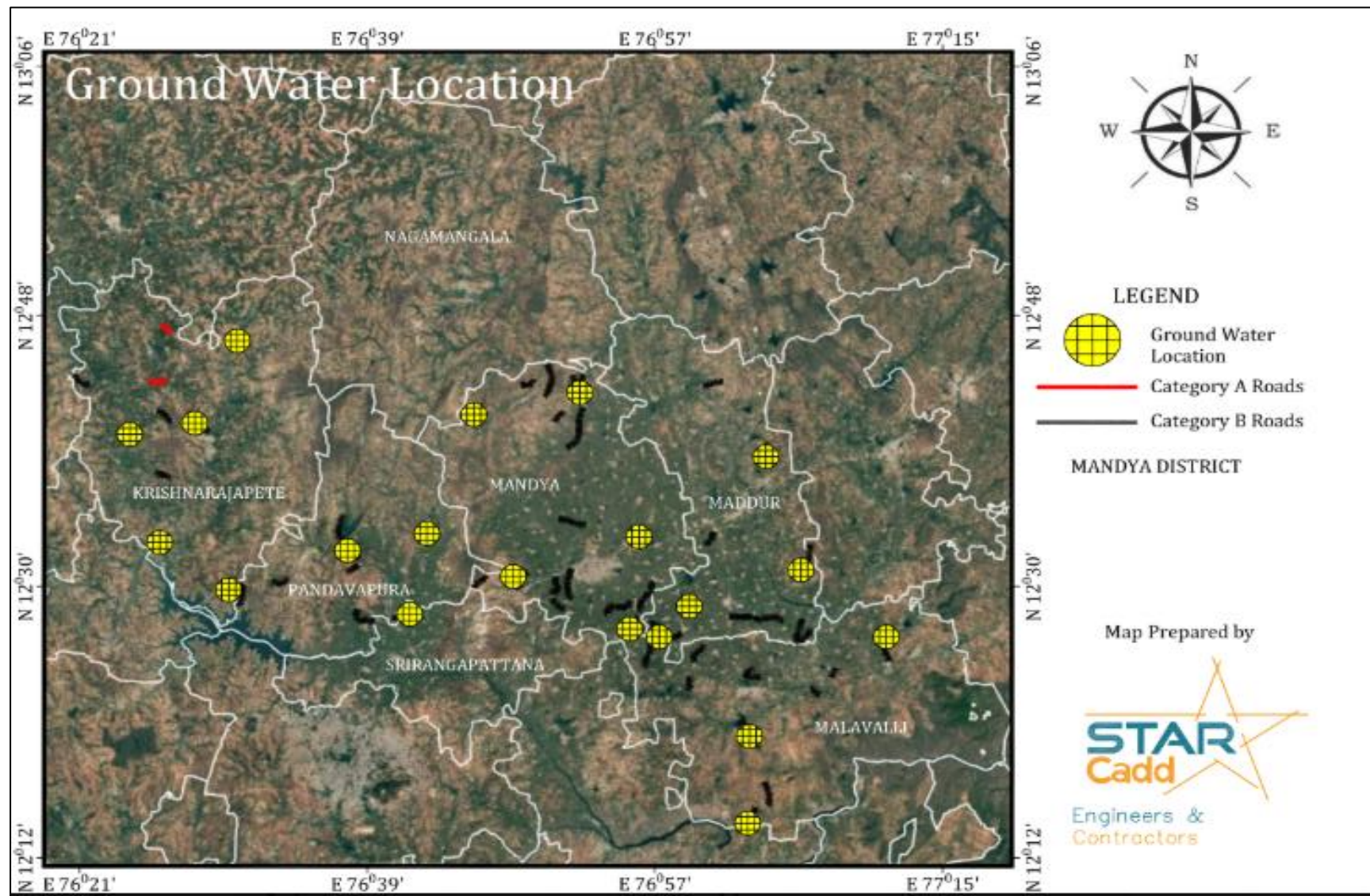
LEGEND

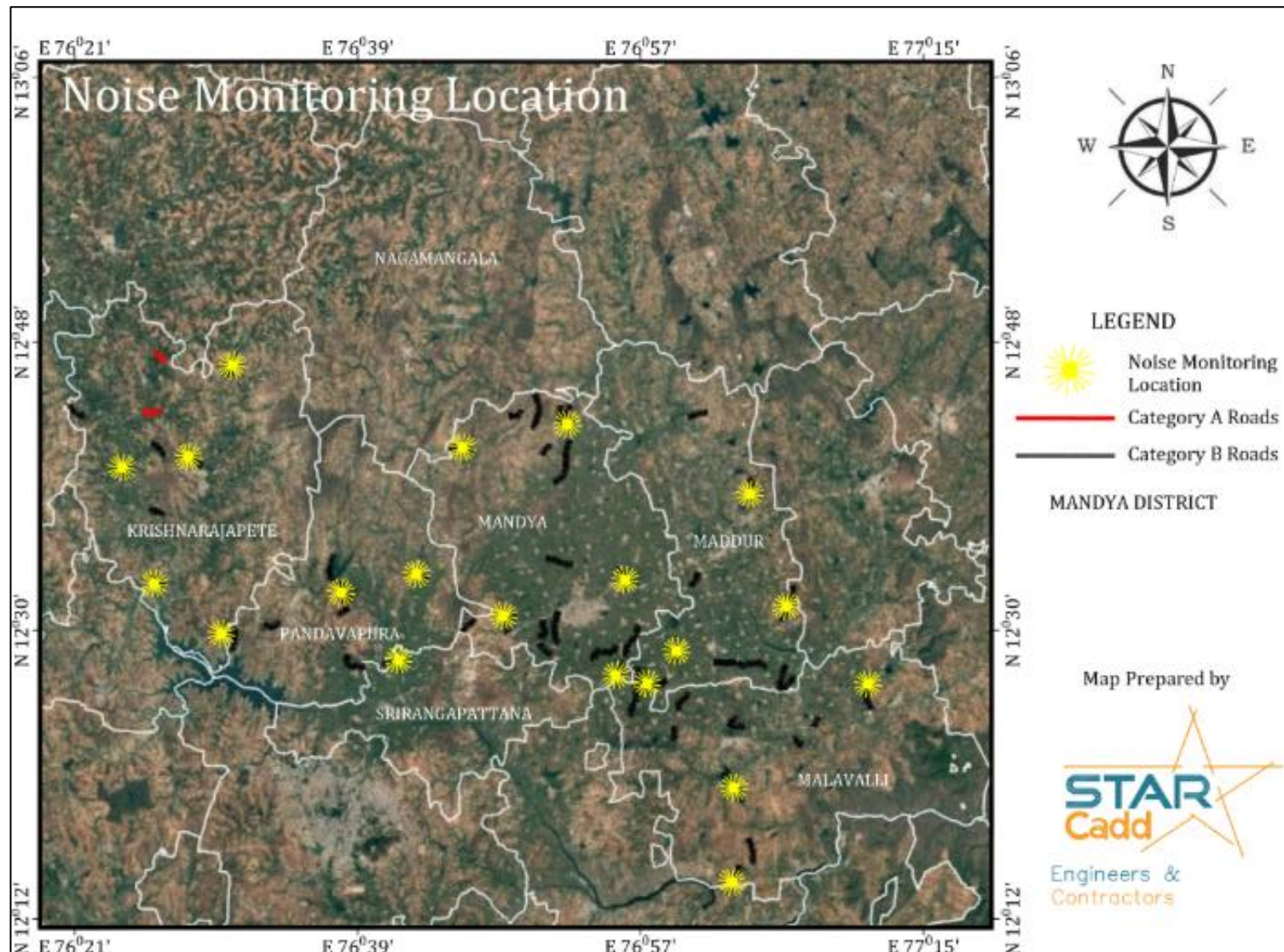
- Category A Roads
- Category B Roads
- Drainage

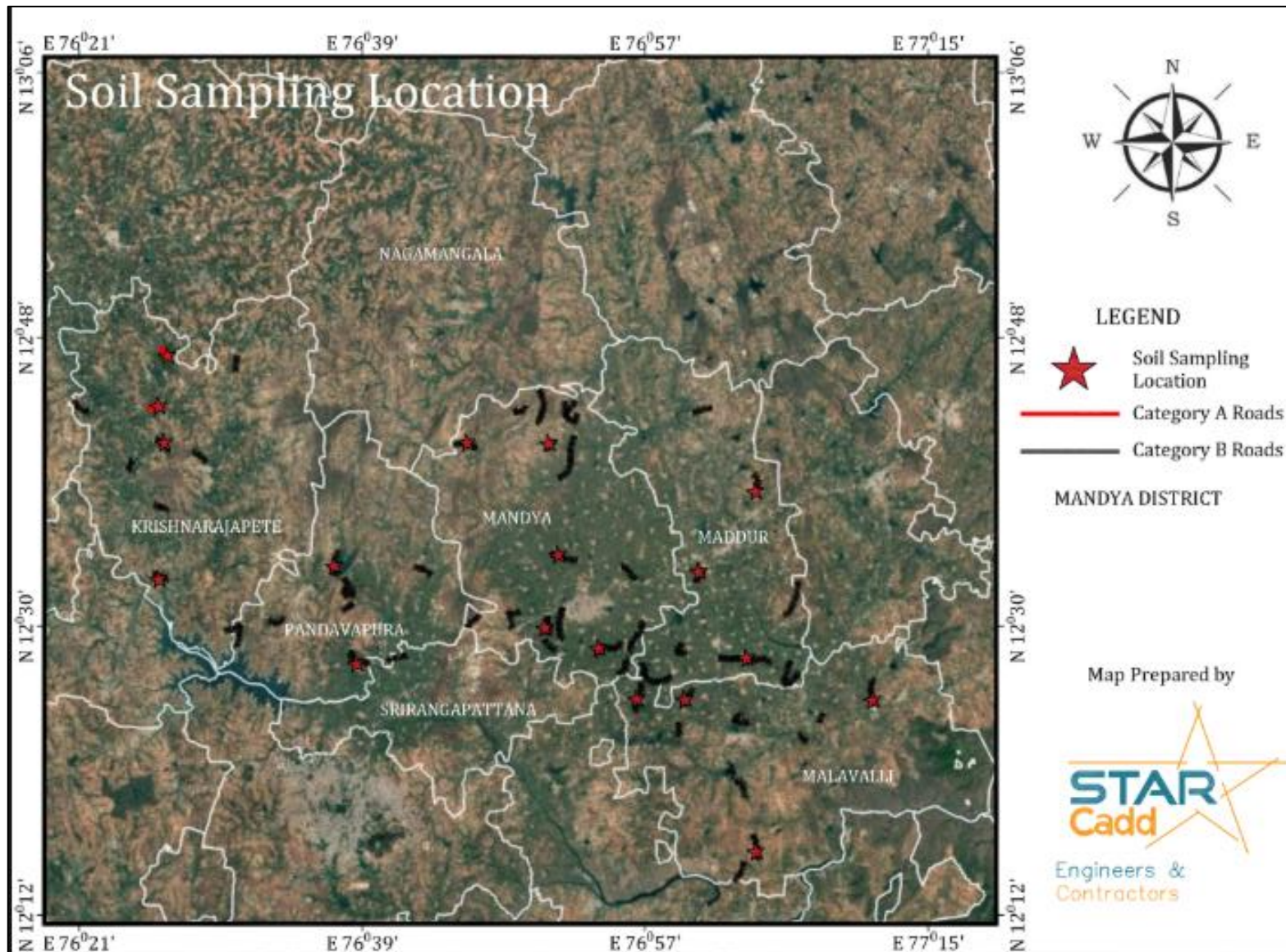
MANDYA DISTRICT

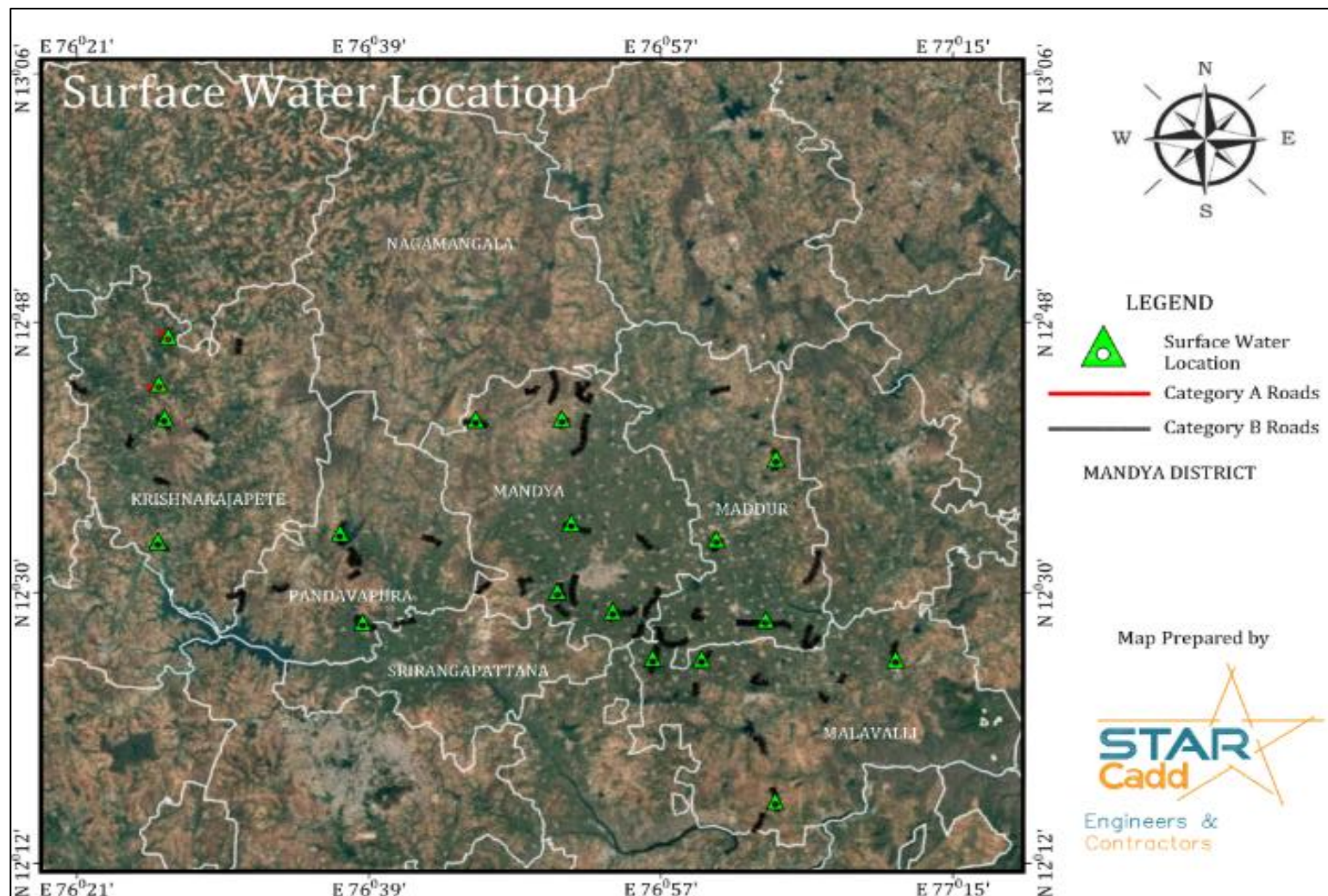
Map Prepared by



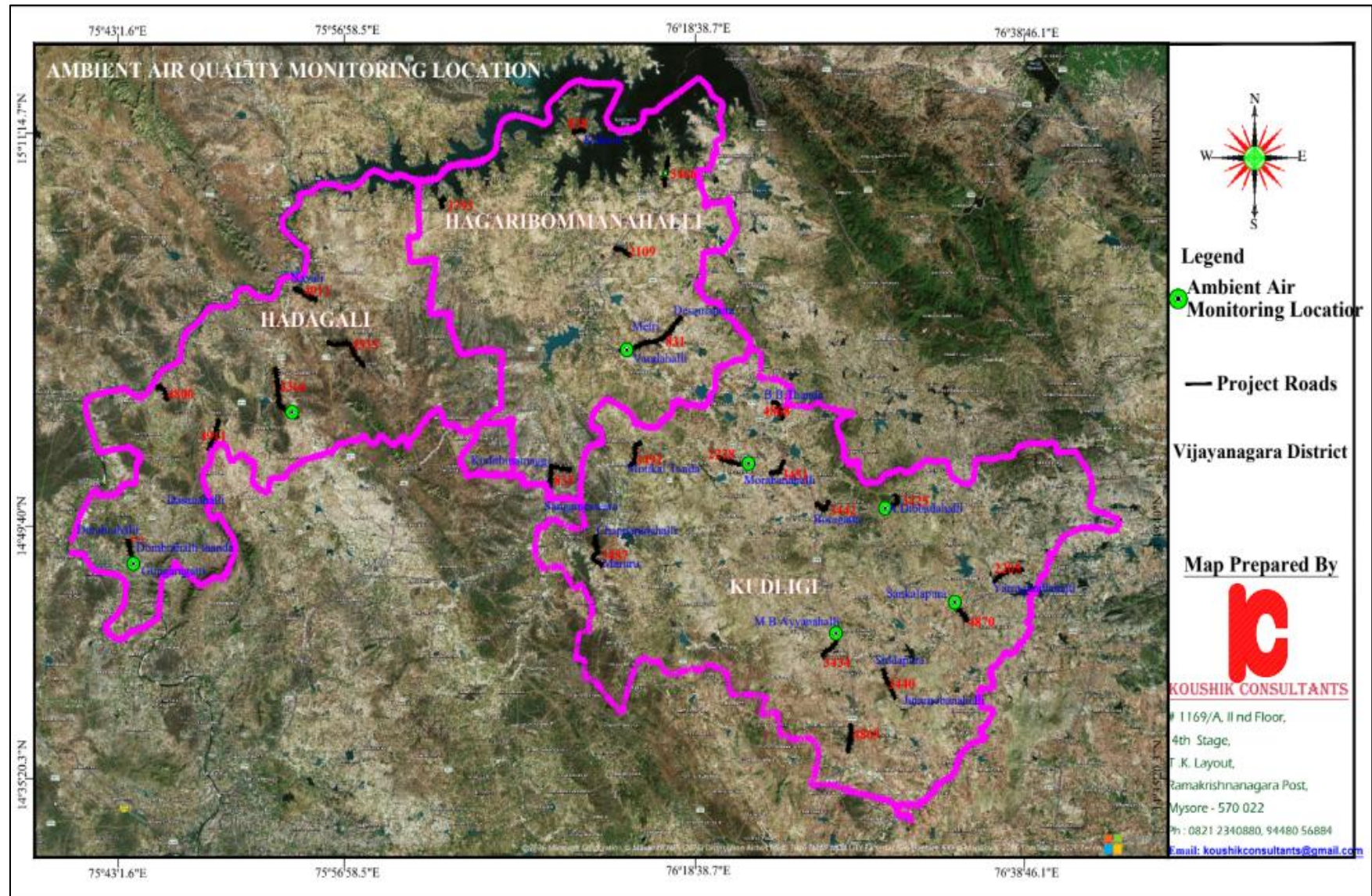


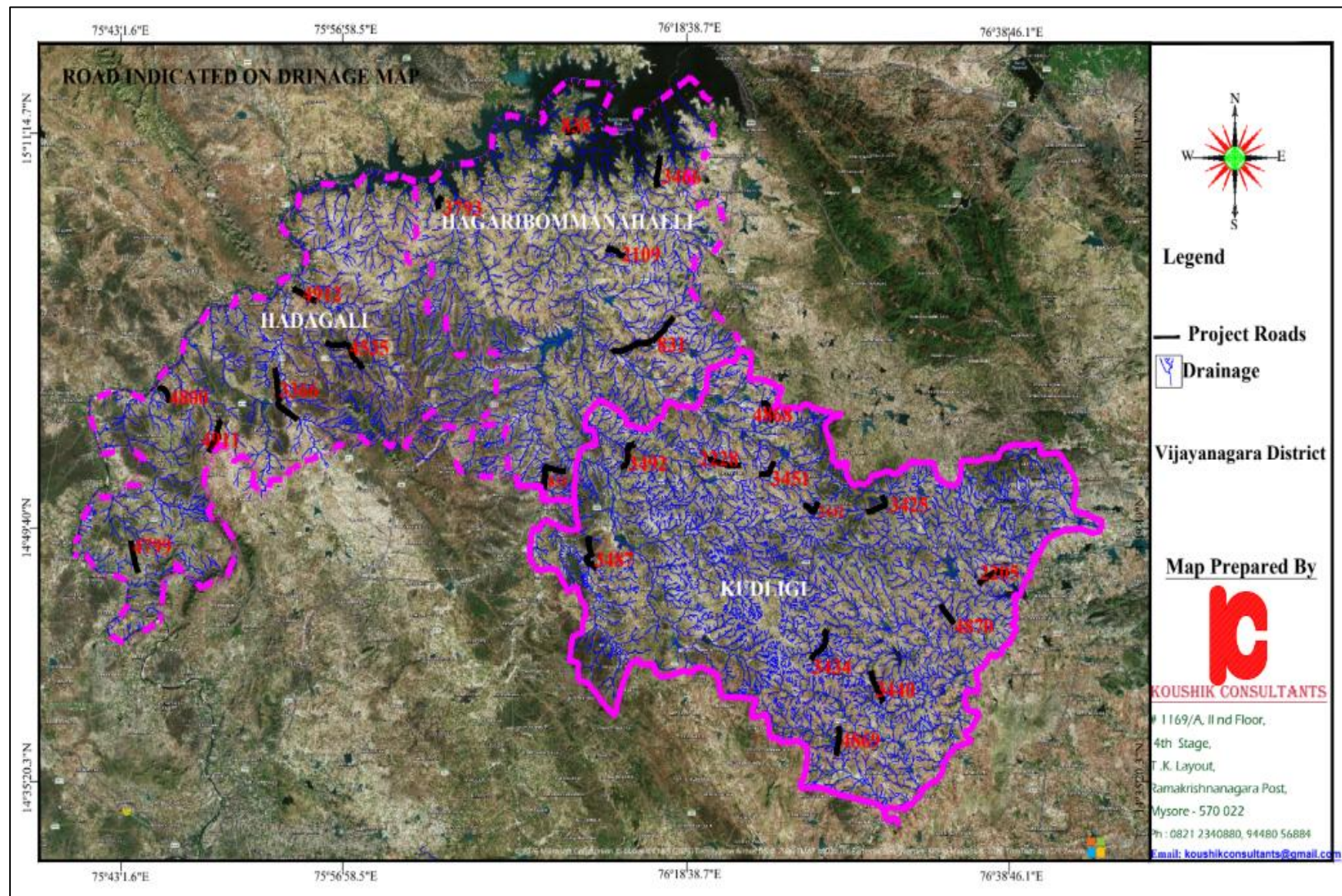


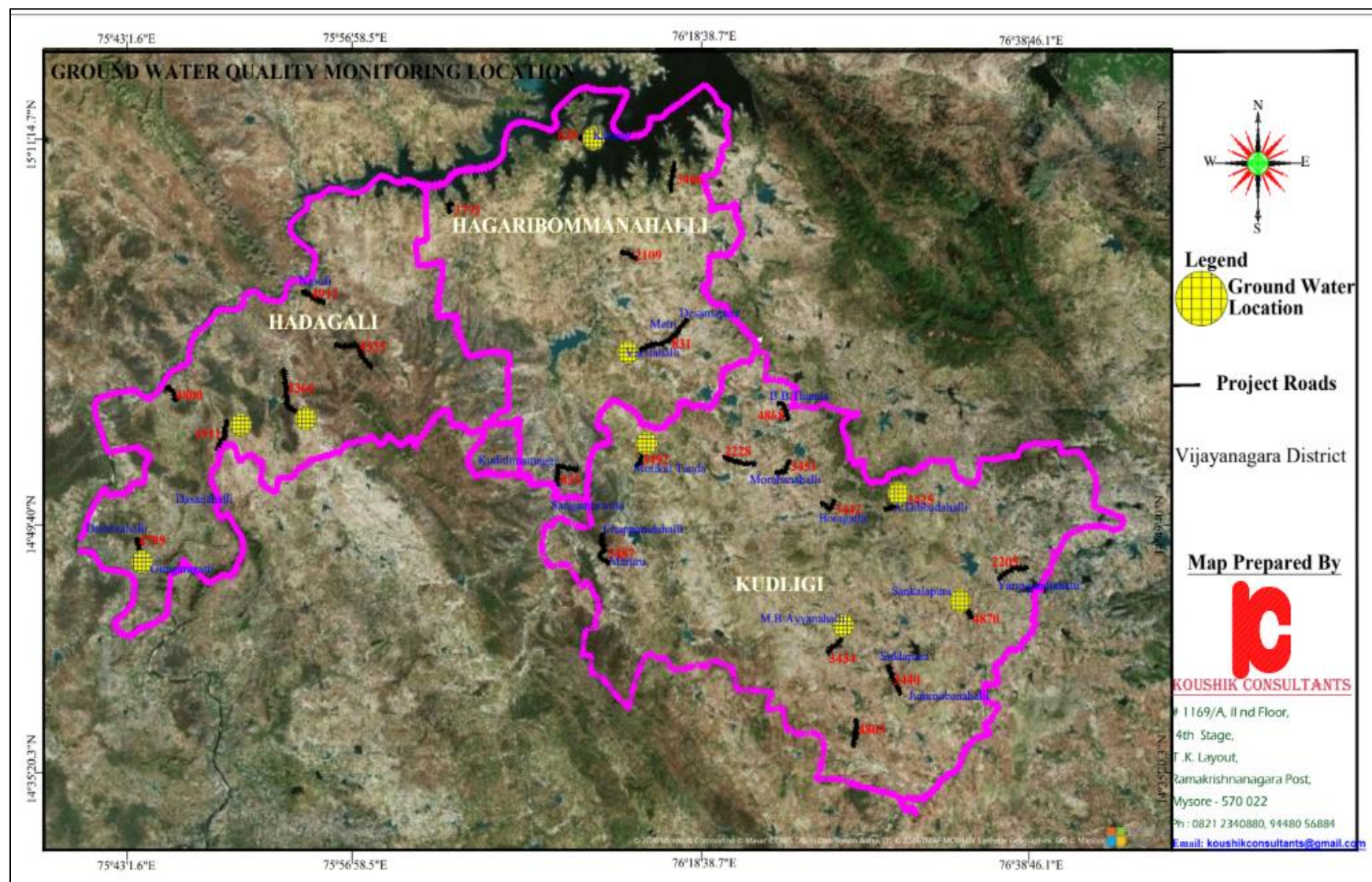


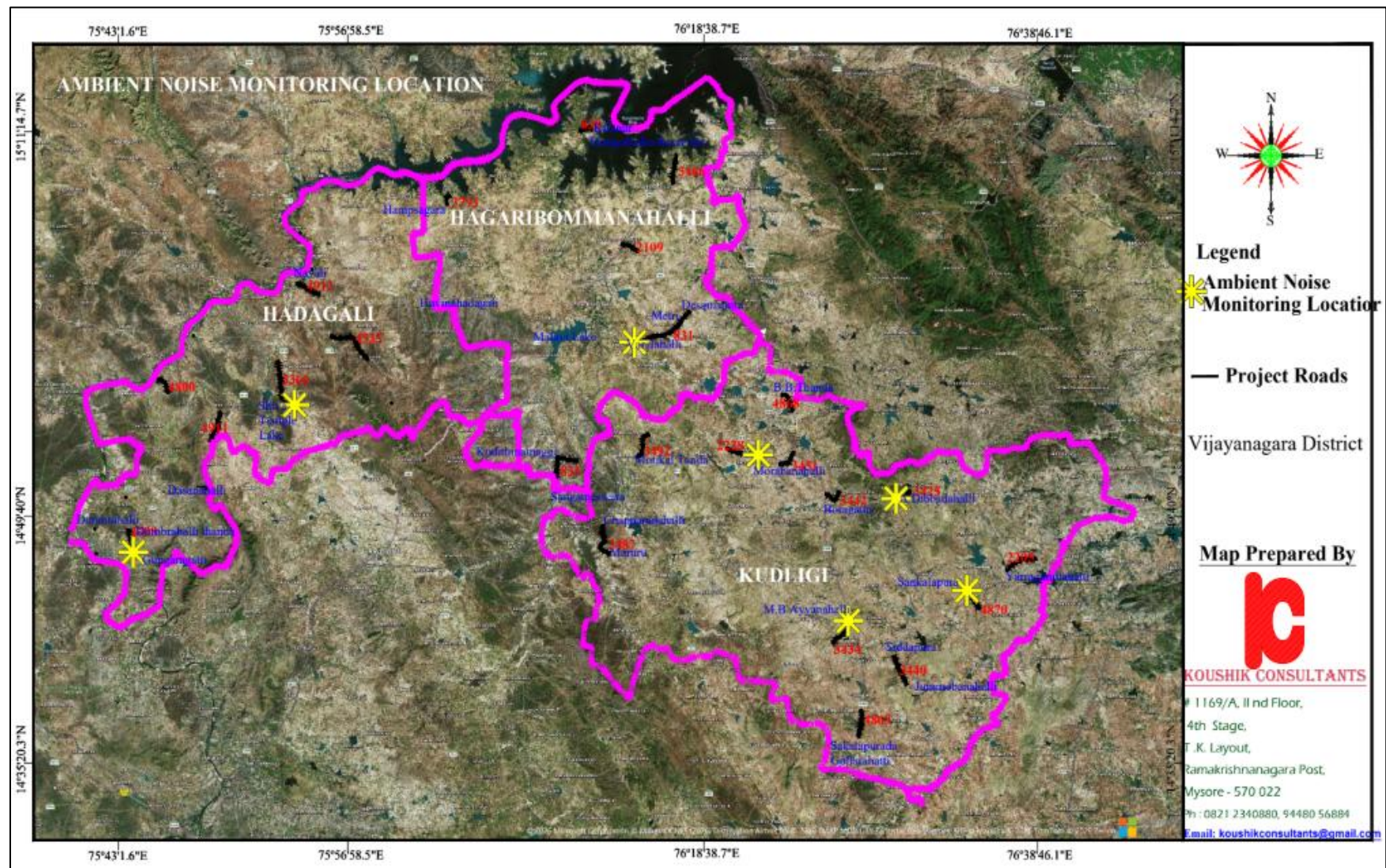


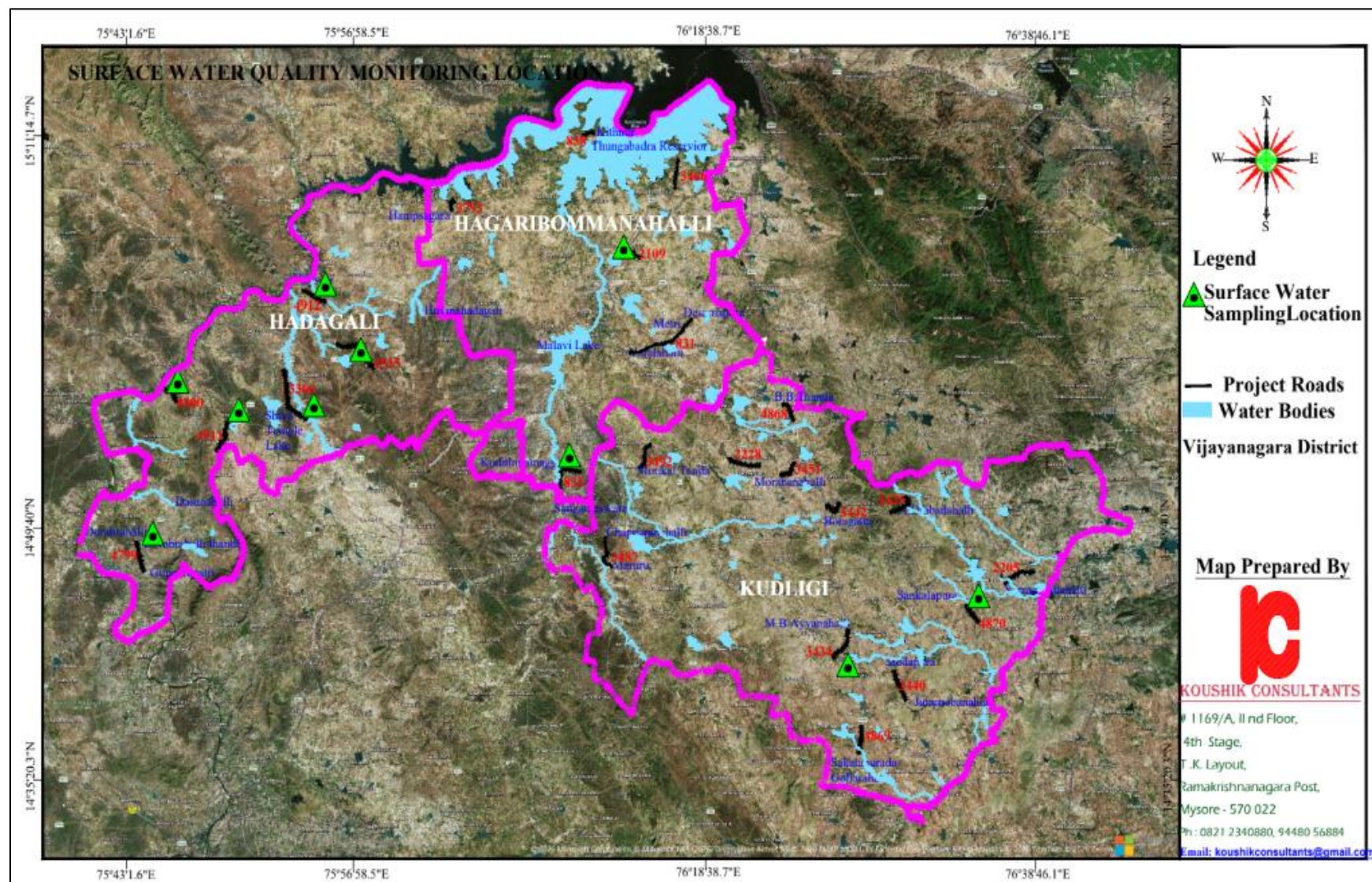
Vijayanagar District



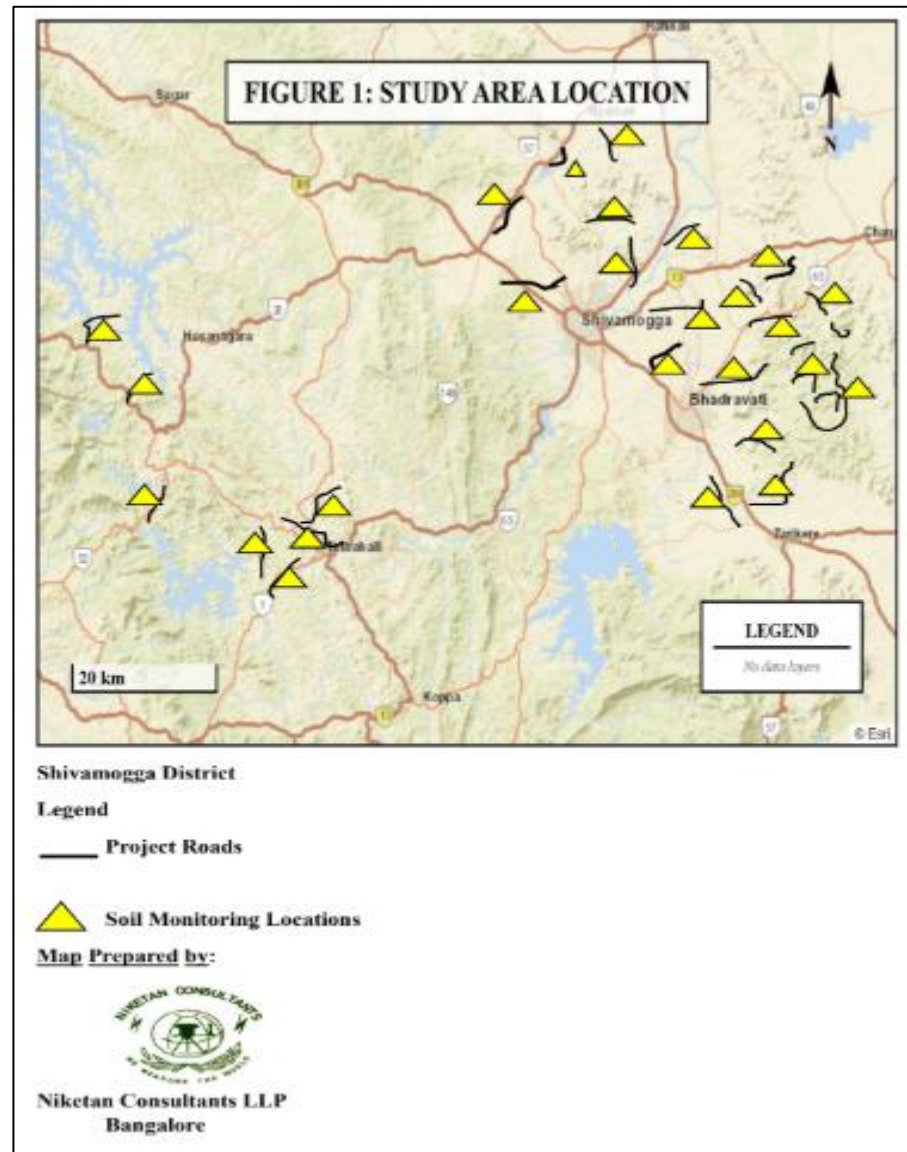


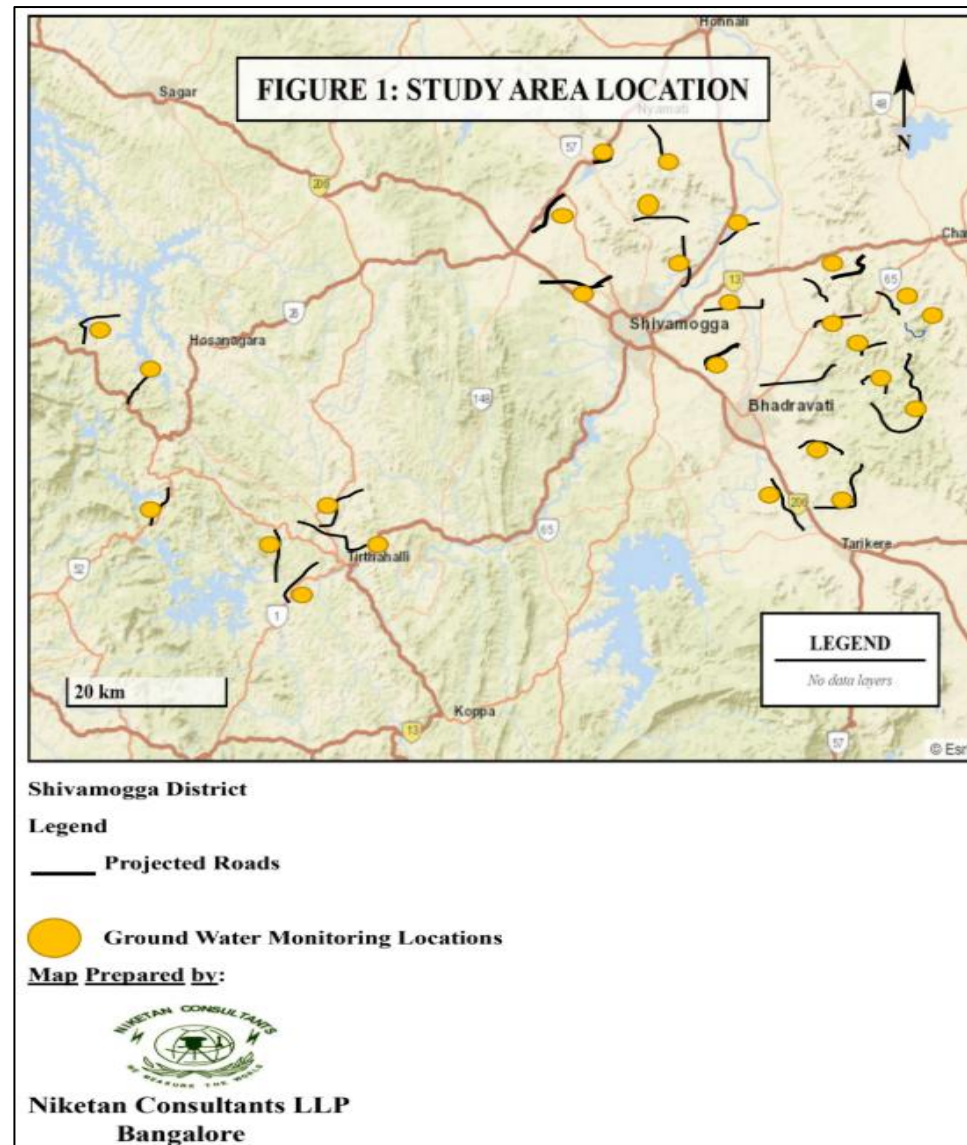


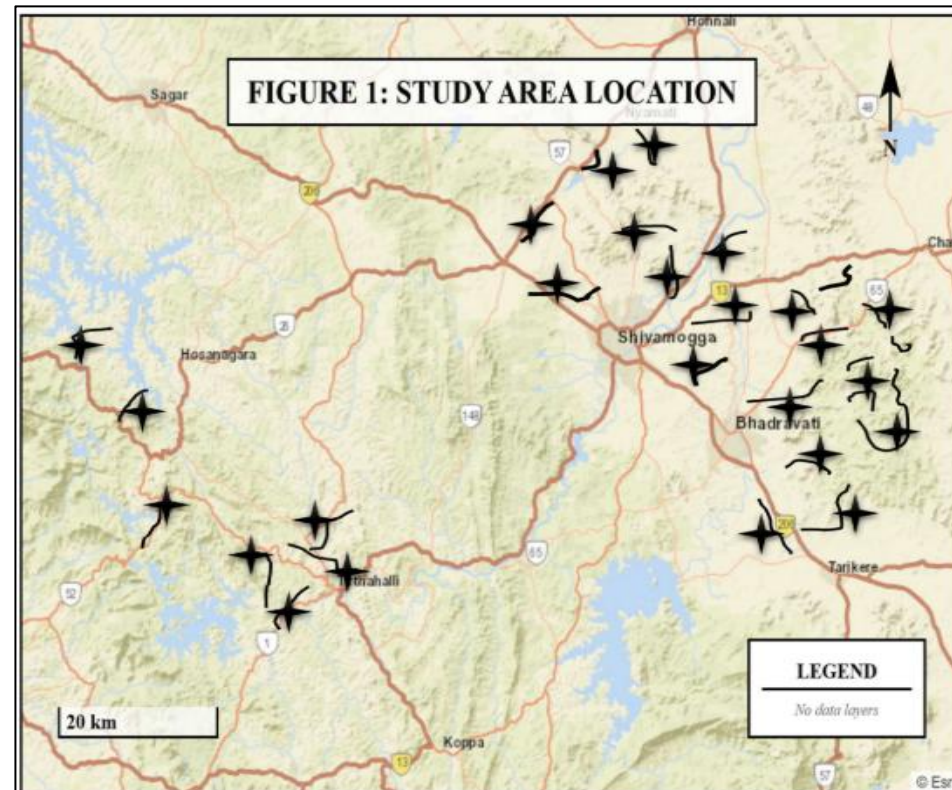




Shivamogga District







Shivamogga District

Legend

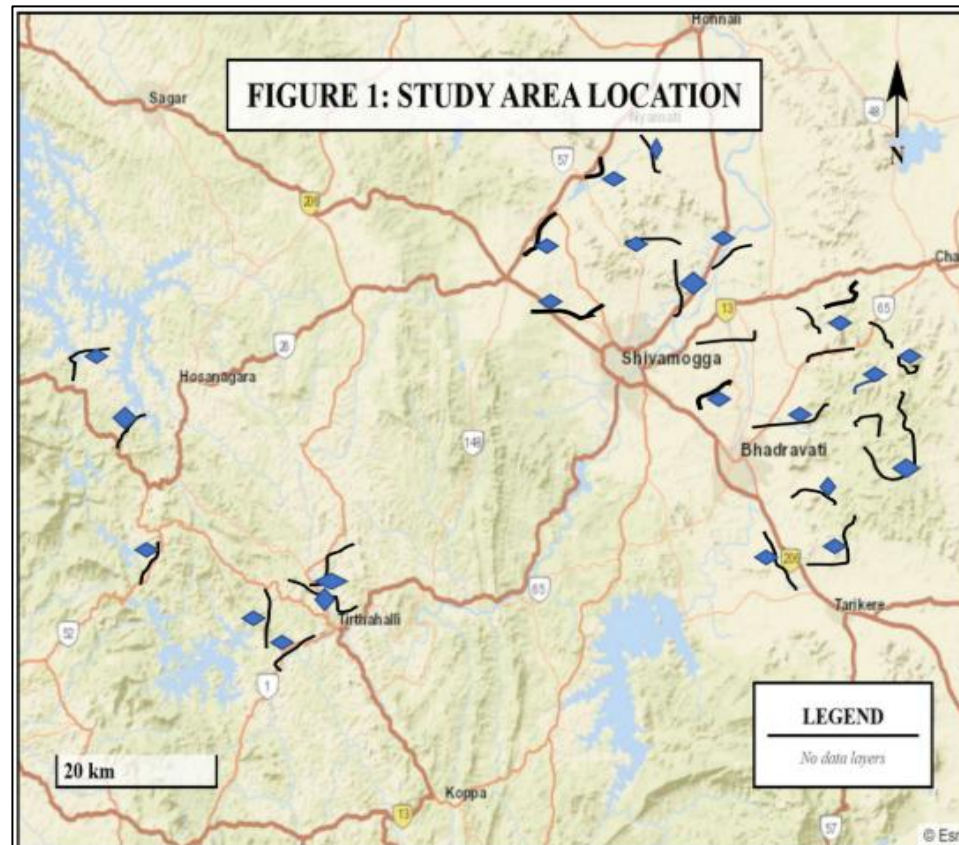
— Project Roads

★ Surface Water Locations

Map Prepared by:



Niketan Consultants LLP
Bangalore



Shivamogga District

Legend

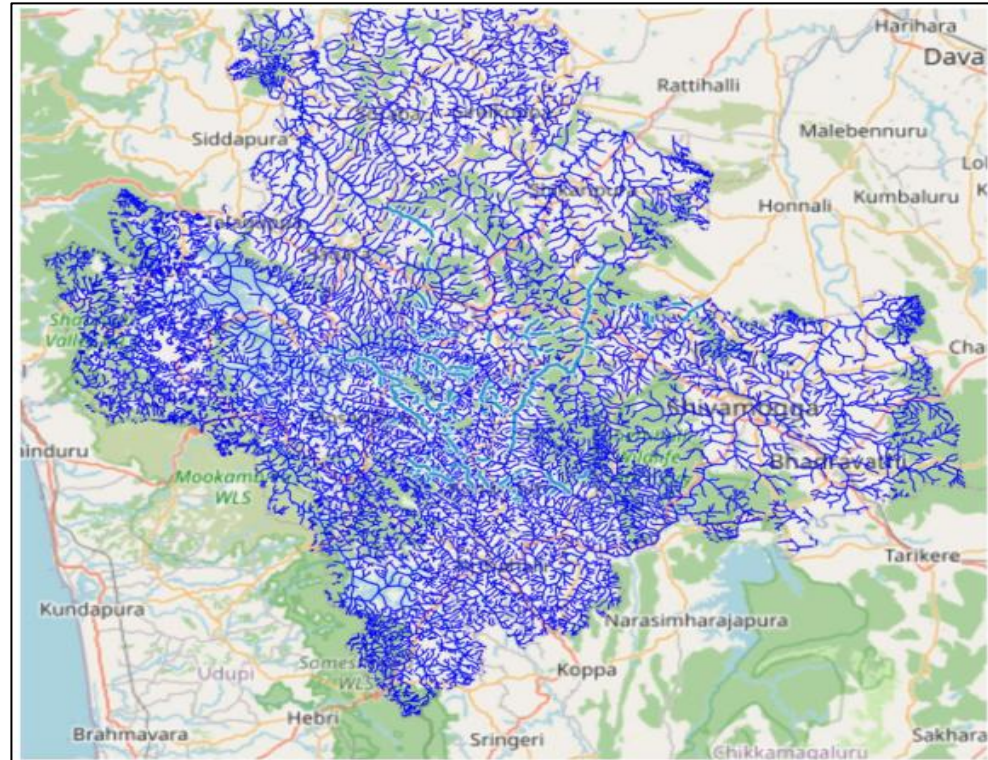
— Project Roads

◆ Air Quality Monitoring Locations

Map Prepared by:



Niketan Consultants LLP
Bangalore

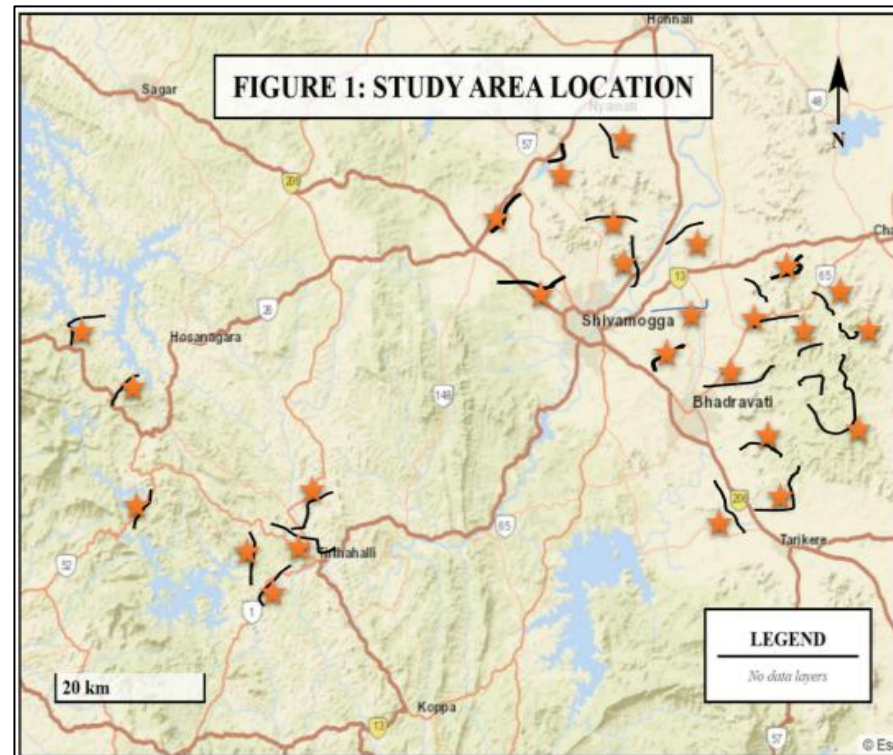


Shivamogga District Drainage System

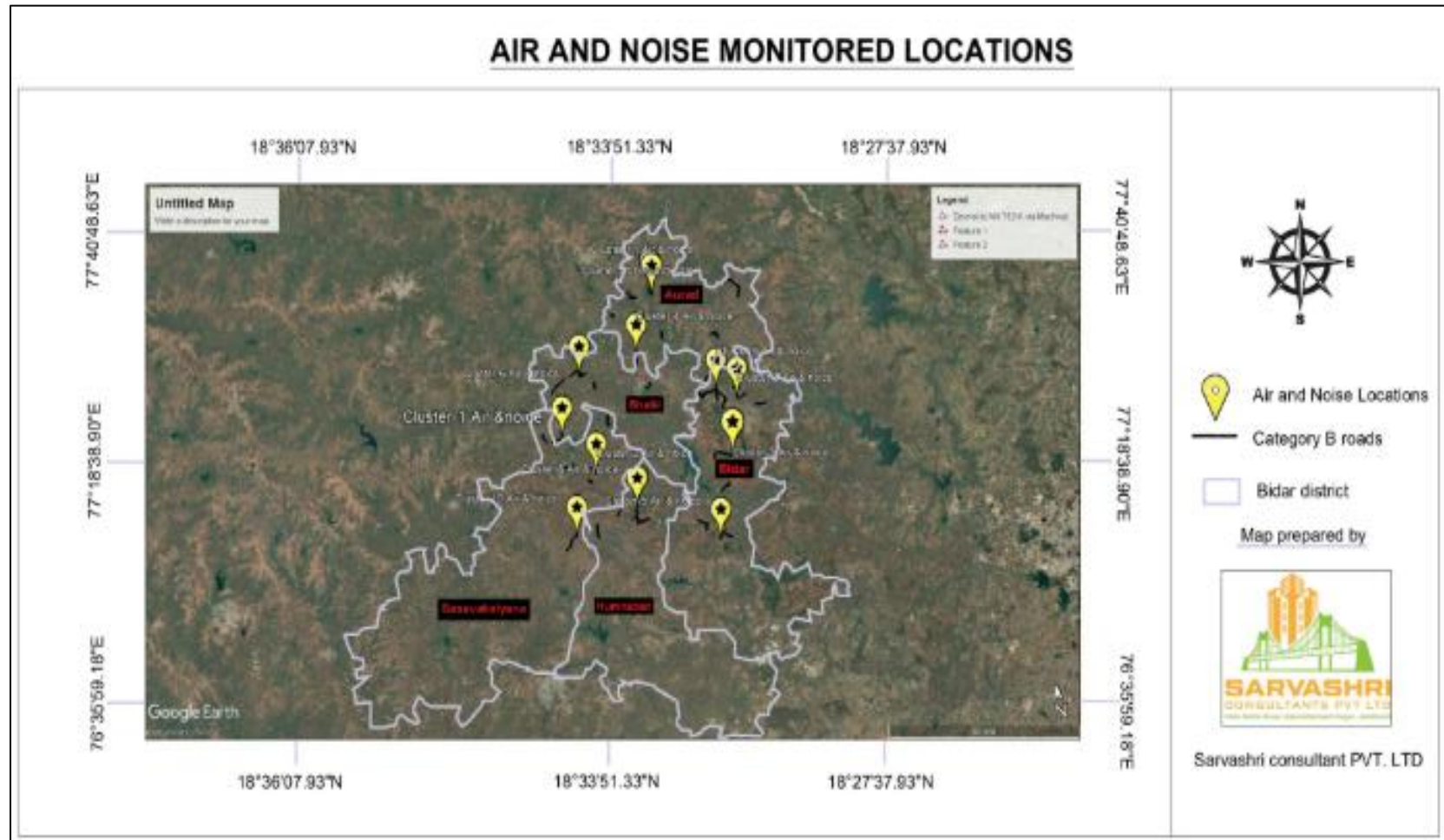
Map Prepared by:



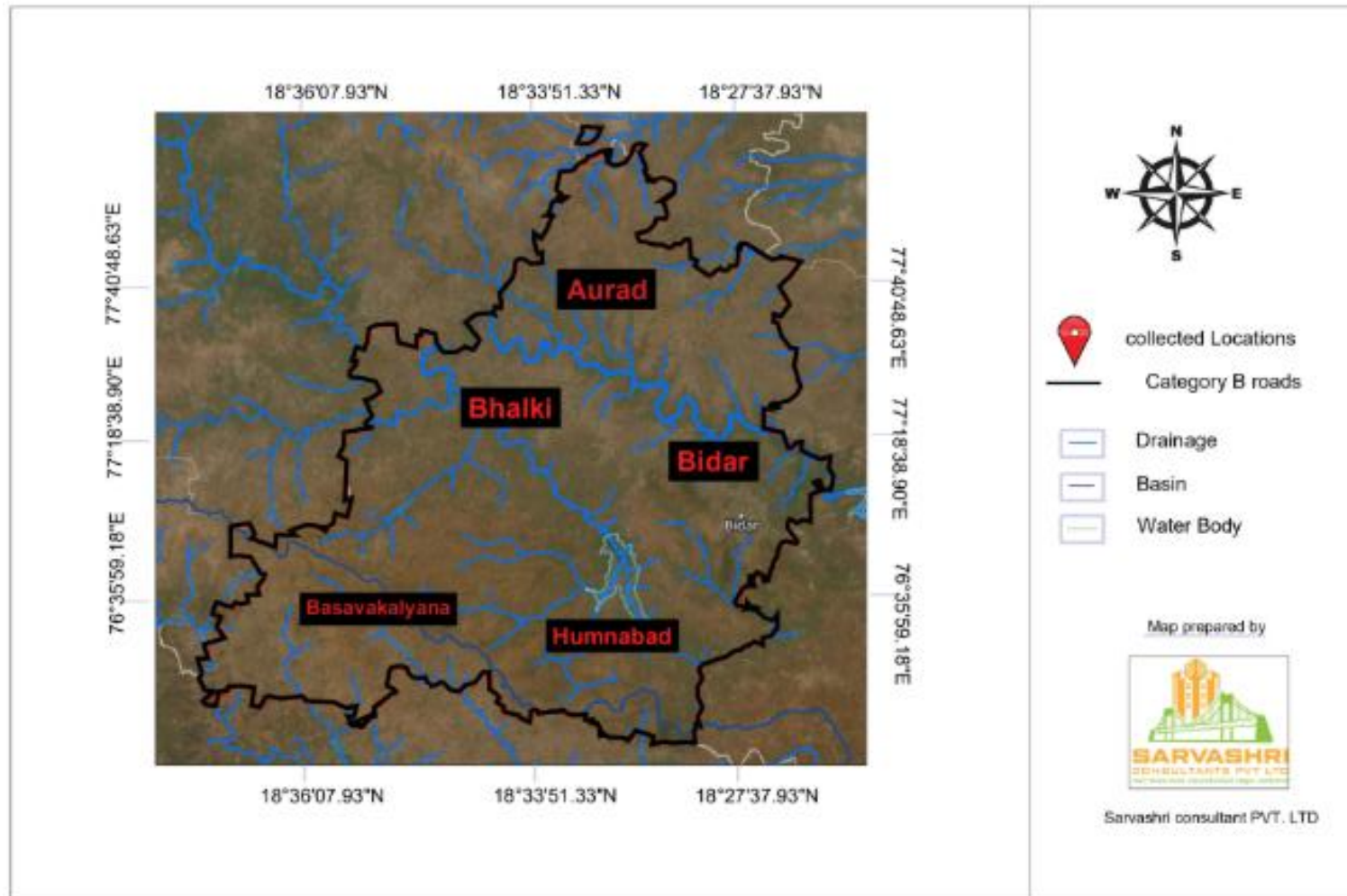
**Niketan Consultants LLP
Bangalore**



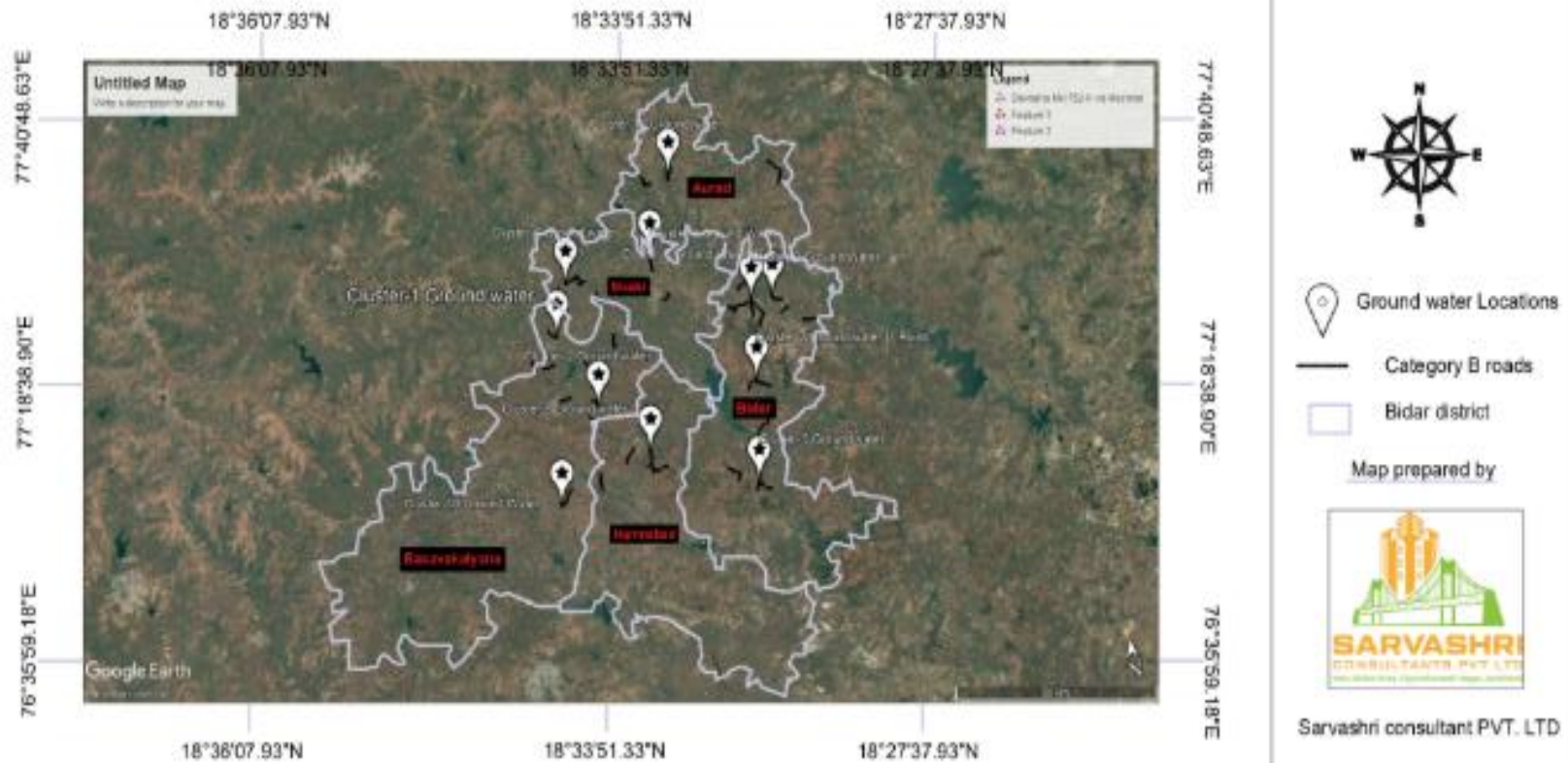
Bidar District



ROADS INDICATED ON DRAINAGE MAP



GROUND WATER QUALITY MONITORED LOCATIONS



SOIL COLLECTED LOCATION

Legend

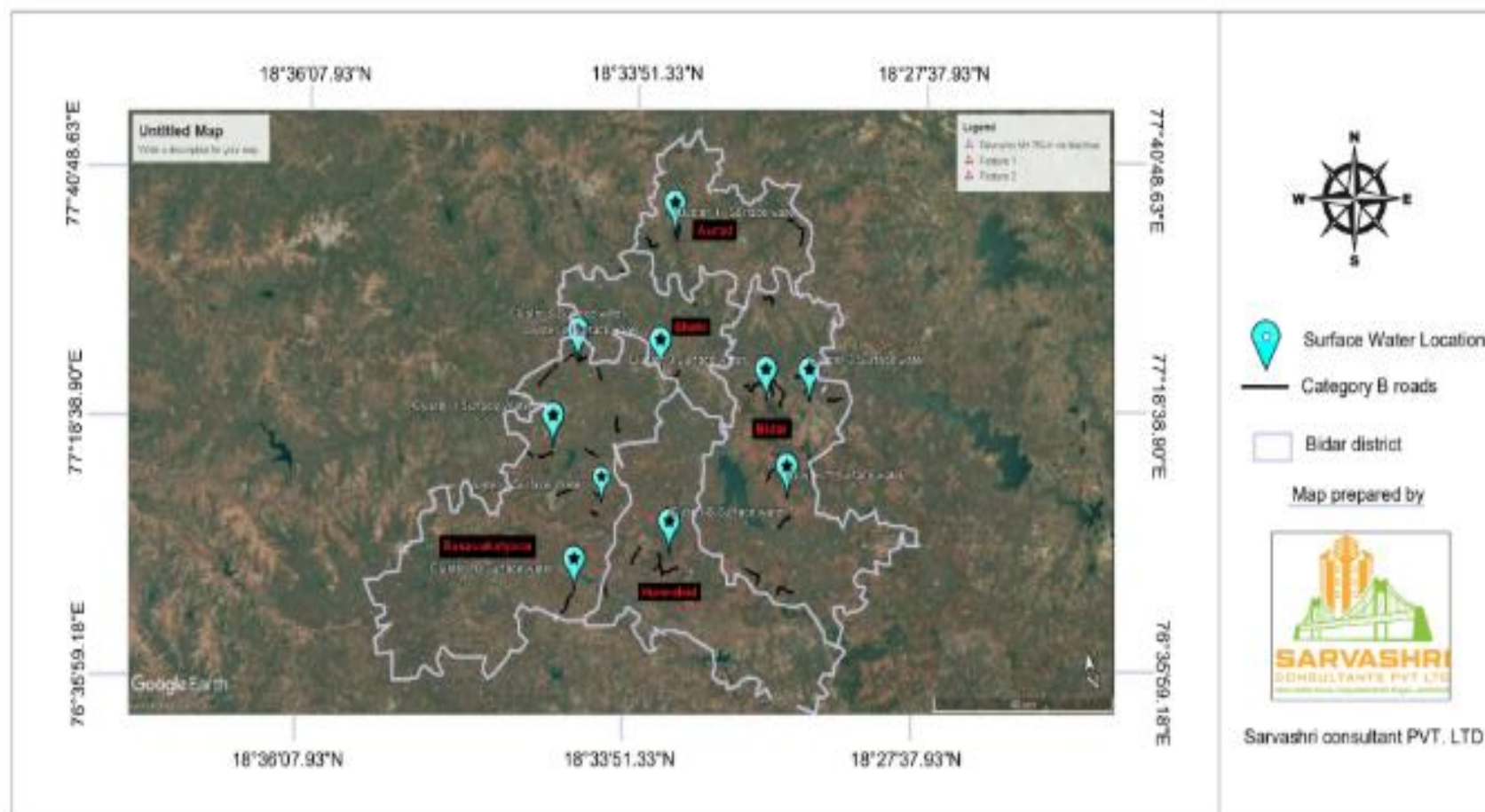
- Soil collected Locations
- Category B roads
- Bidar district

Map prepared by

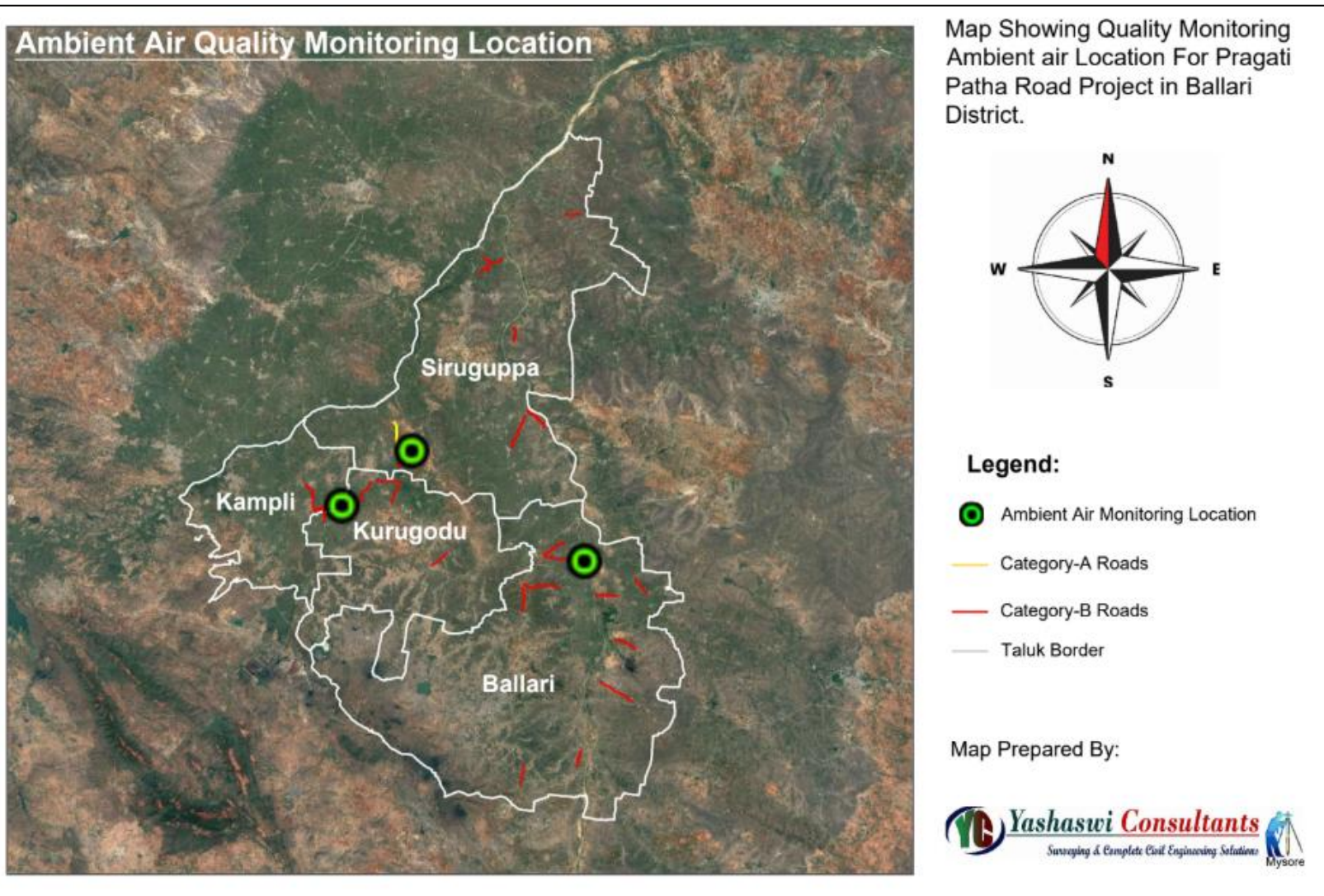
SARVASHRI
CONSULTANTS PVT. LTD.

Sarvashri consultant PVT. LTD

SURFACE WATER QUALITY MONITORED LOCATIONS



Ballari District



Ambient Noise Quality Monitoring Location



Map Showing Quality Monitoring Ambient Noise Location For Pragati Patha Road Project in Ballari District.



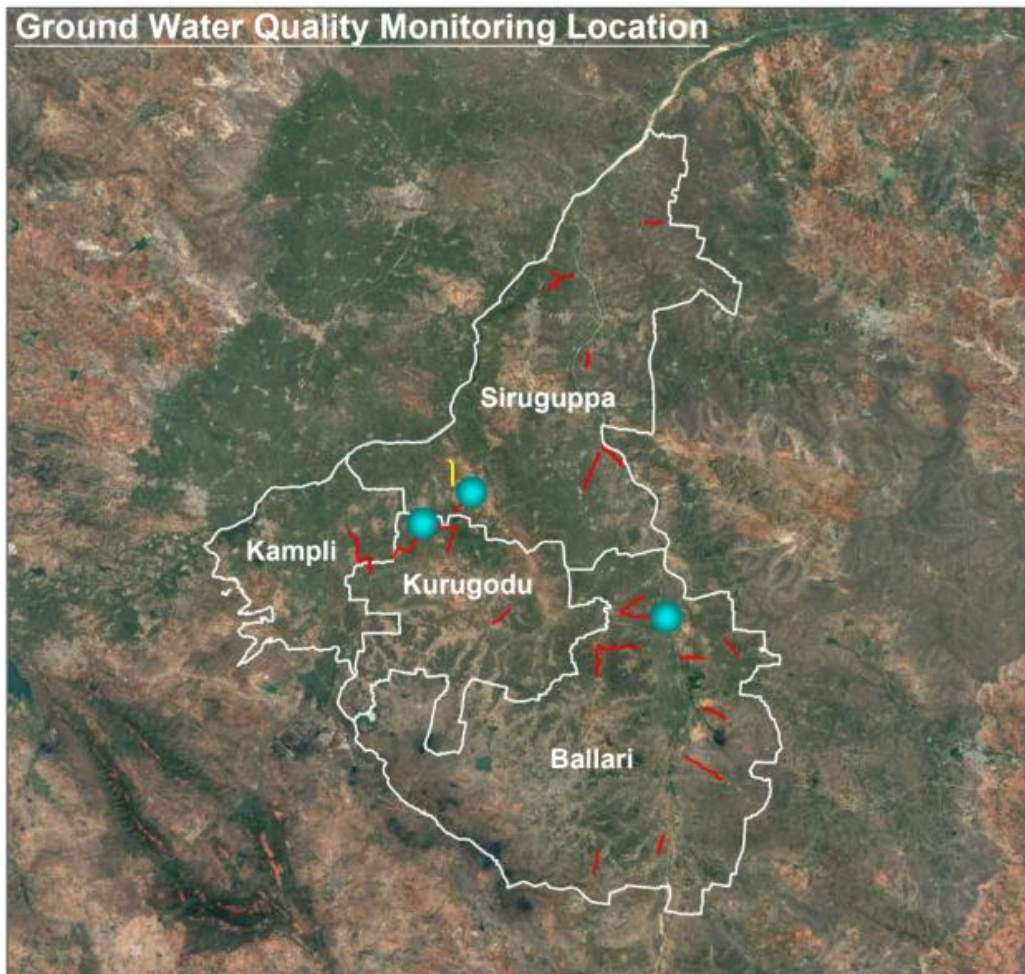
Legend:

-  Ambient Noise Monitoring Location
-  Category-A Roads
-  Category-B Roads
-  Taluk Border

Map Prepared By:



Ground Water Quality Monitoring Location



Map Showing Quality Monitoring Ground Water Location For Pragati Patha Road Project in Ballari District.



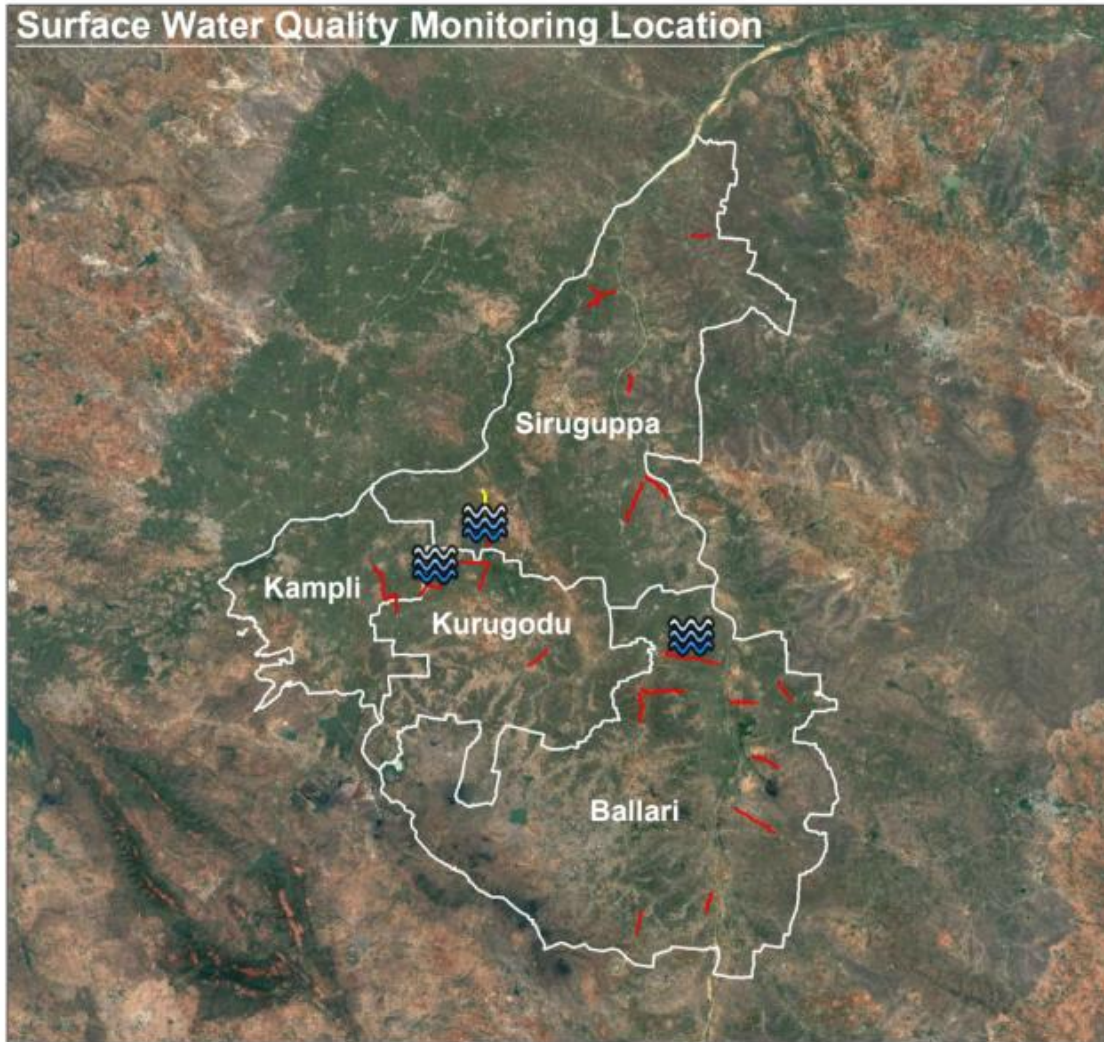
Legend:

-  Ground Water Monitoring Location
-  Category-A Roads
-  Category-B Roads
-  Taluk Border

Map Prepared By:



Surface Water Quality Monitoring Location



Map Showing Quality Monitoring Surface Water Location For Pragati Patha Road Project in Ballari District.



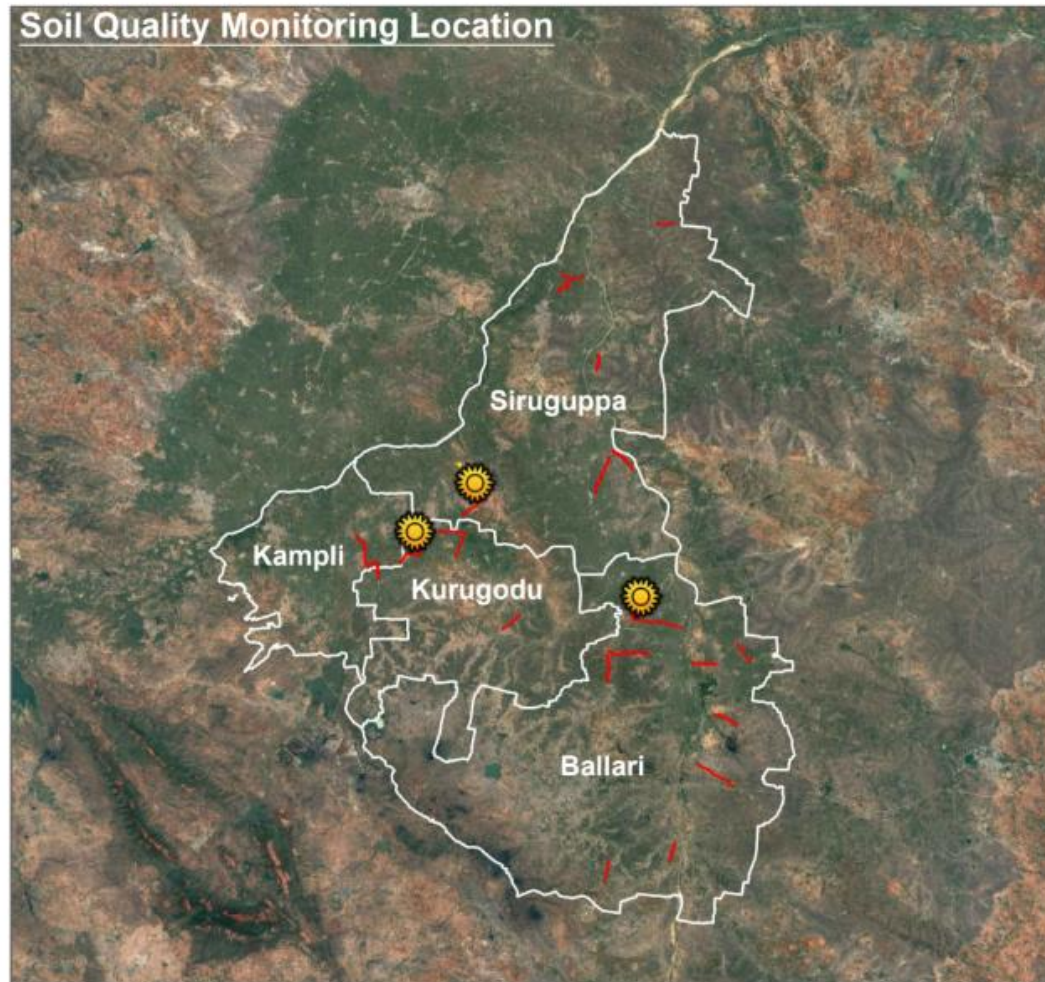
Legend:

-  Surface water Monitoring Location
-  Category-A Roads
-  Category-B Roads
-  Taluk Border

Map Prepared By:



Soil Quality Monitoring Location



Map Showing Soil Quality Monitoring Location For Pragati Patha Road Project in Ballari District.



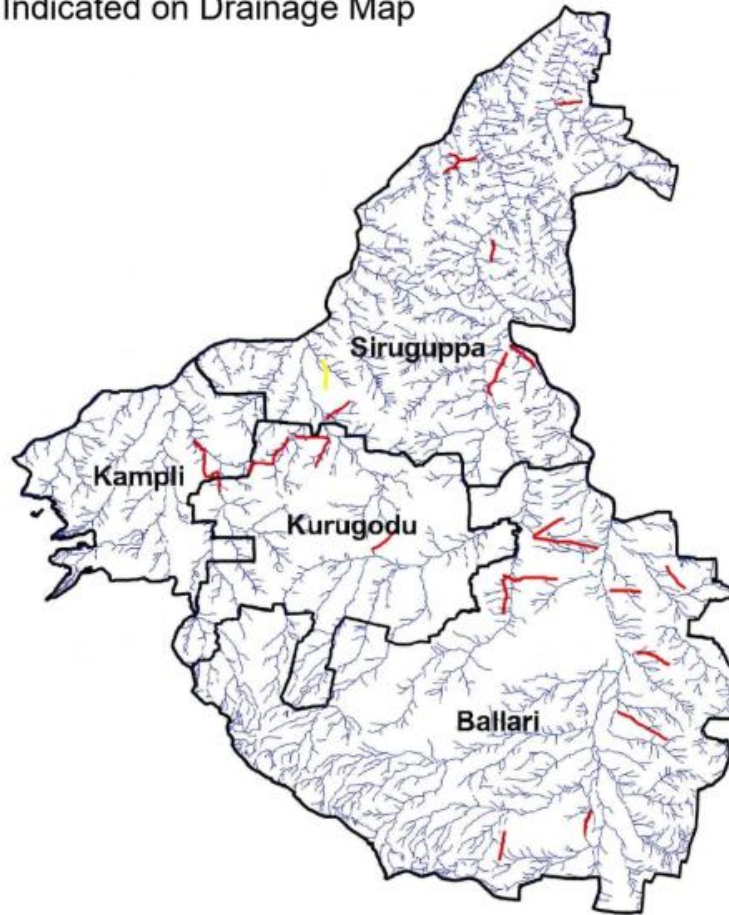
Legend:

-  Soil Monitoring Location
-  Category-A Roads
-  Category-B Roads
-  Taluk Border

Map Prepared By:



Roads Indicated on Drainage Map



Roads Indicated on Drainage Map For Pragati Patha Road Project in Ballari District.



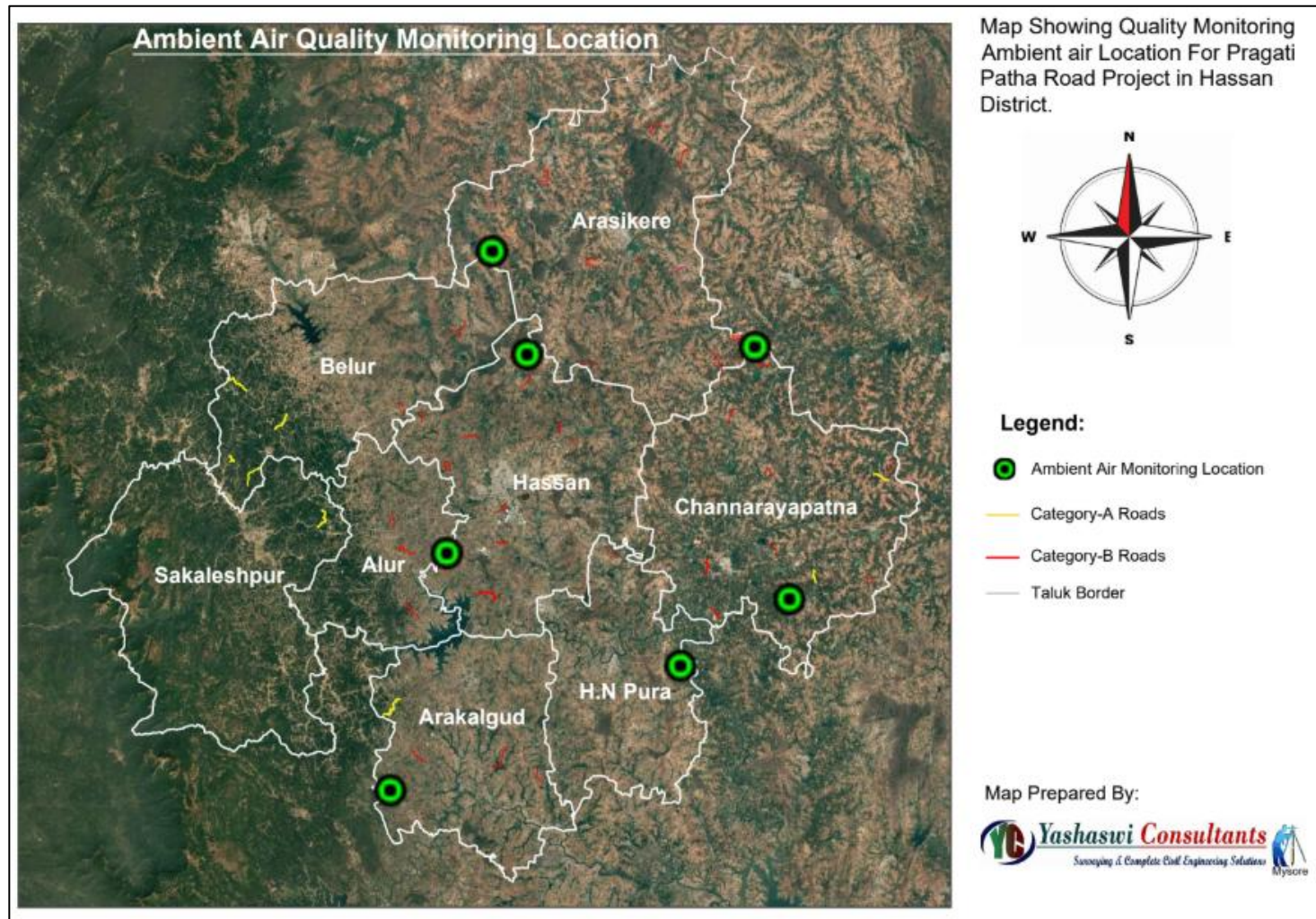
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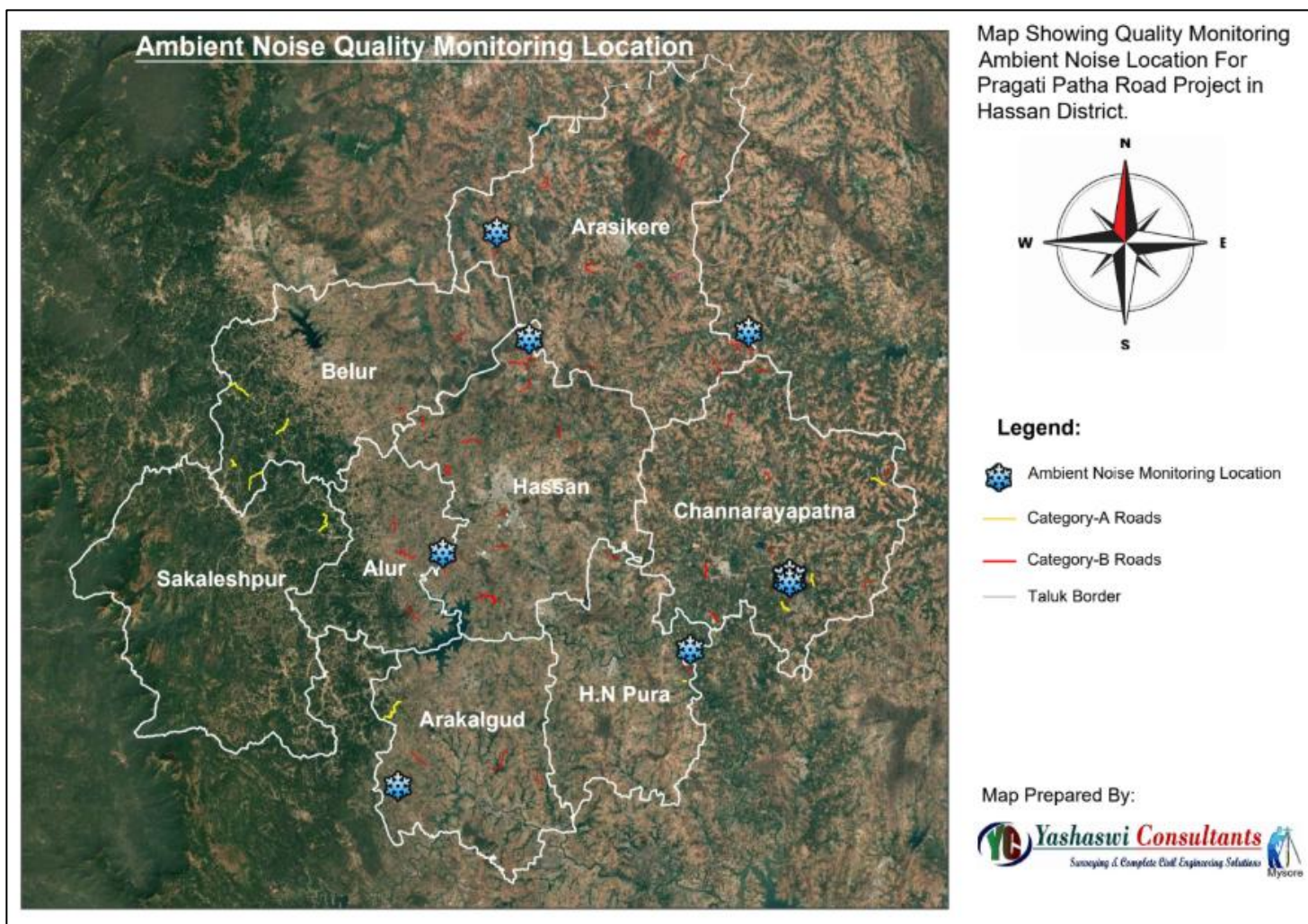
- Category-A Roads
- Category-B Roads
- Taluk Border

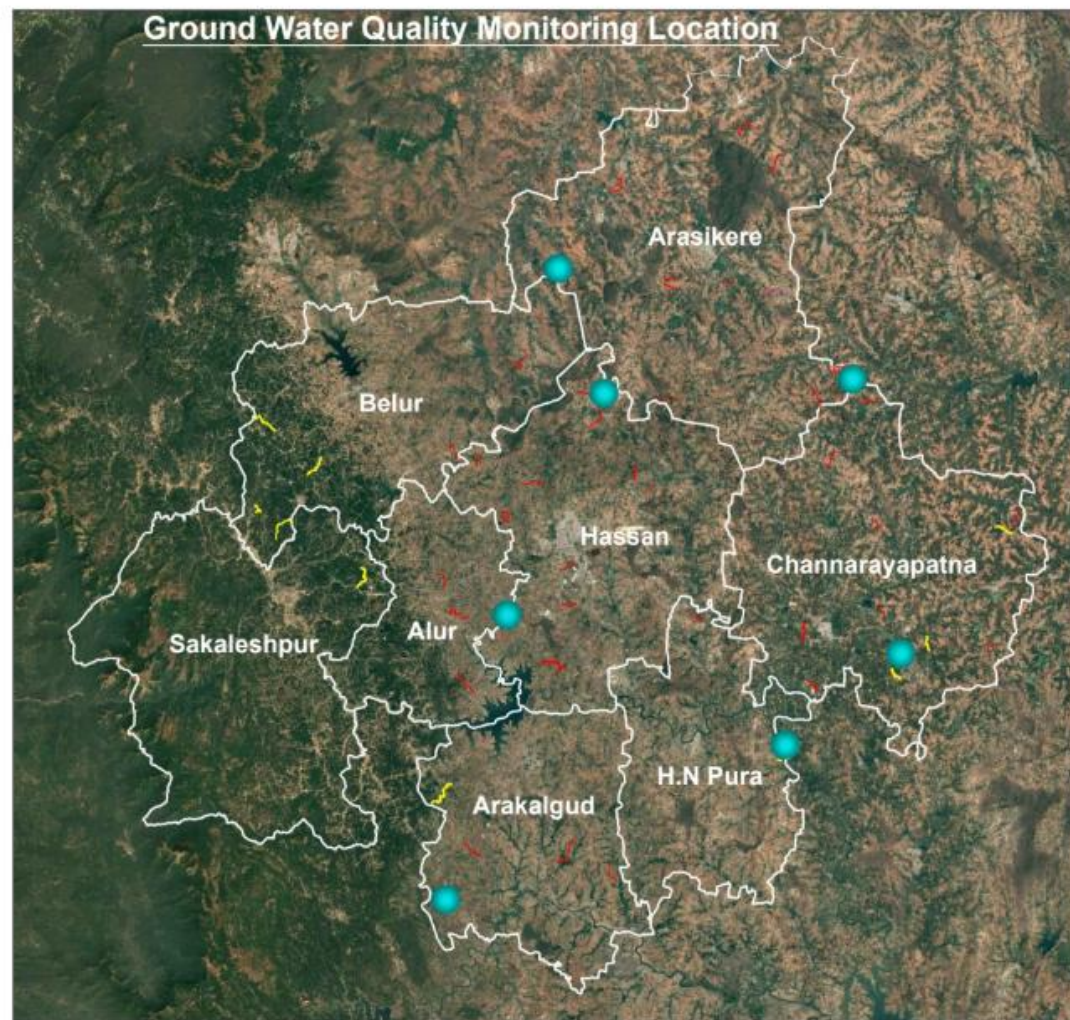
Map Prepared By:



Hassan District







map showing Quality monitoring
Ground Water Location For
Pragati Patha Road Project in
Hassan District.



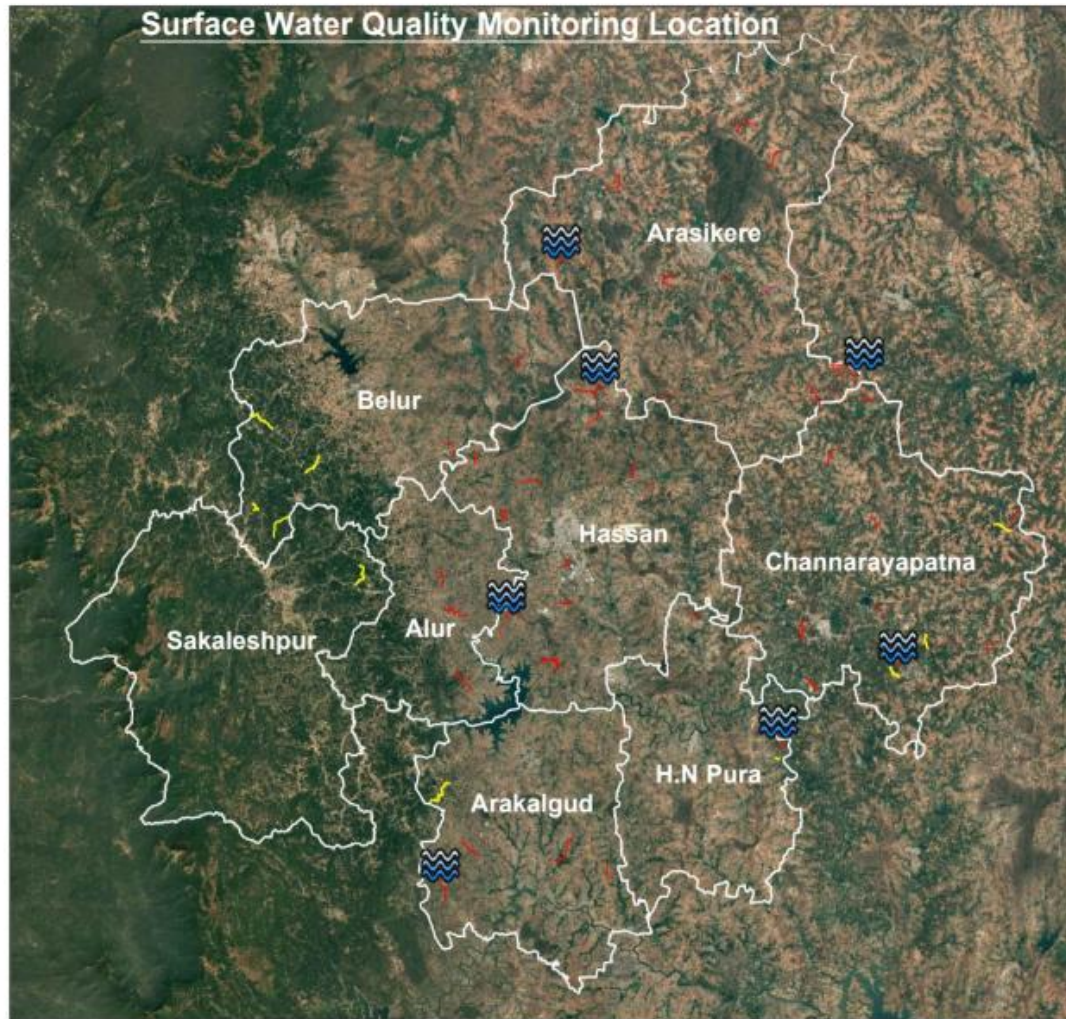
Legend:

-  Ground Water Monitoring Location
-  Category-A Roads
-  Category-B Roads
-  Taluk Border

Map Prepared By:



Surface Water Quality Monitoring Location



Map Showing Quality Monitoring Surface Water Location For Pragati Patha Road Project in Hassan District.

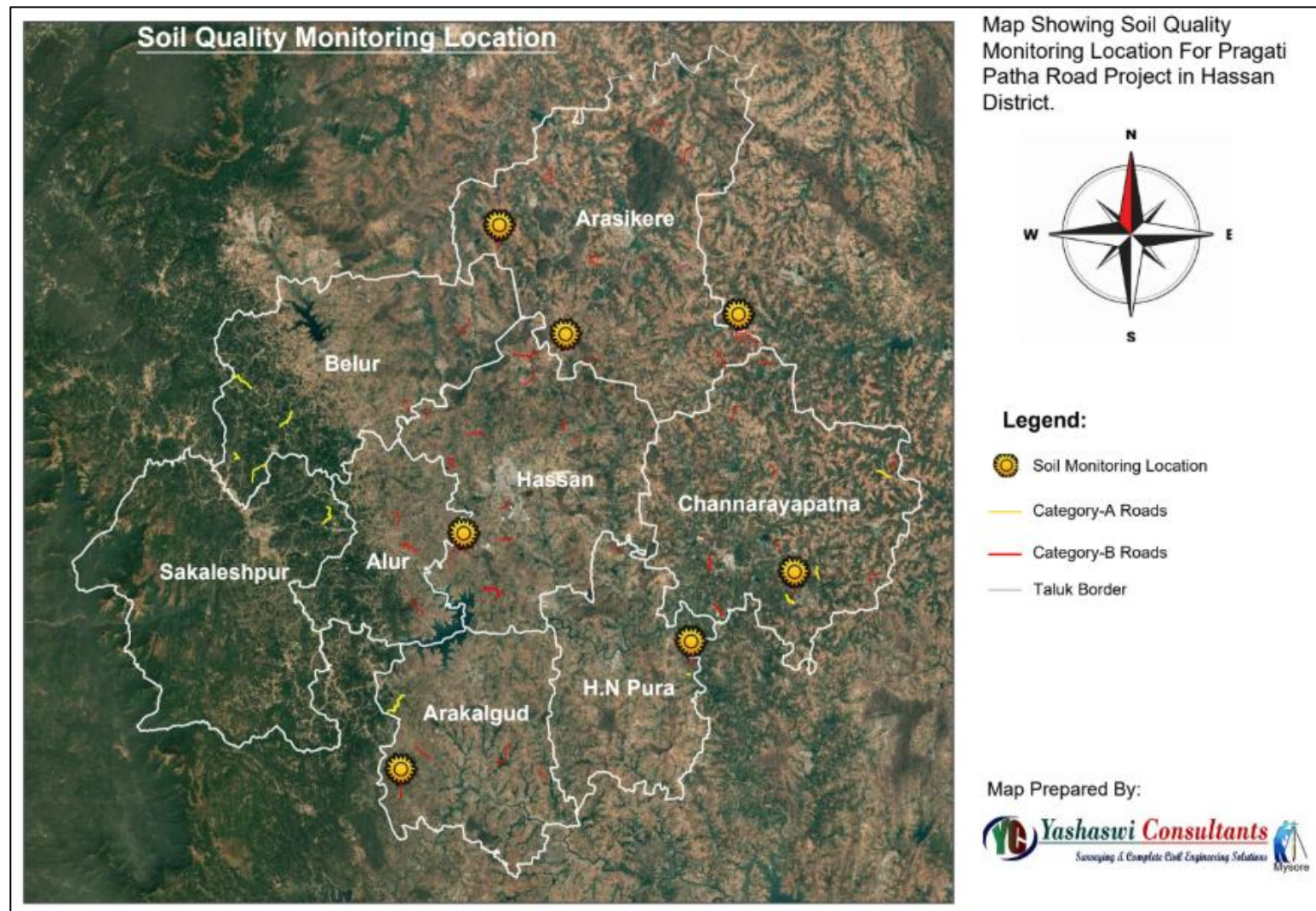


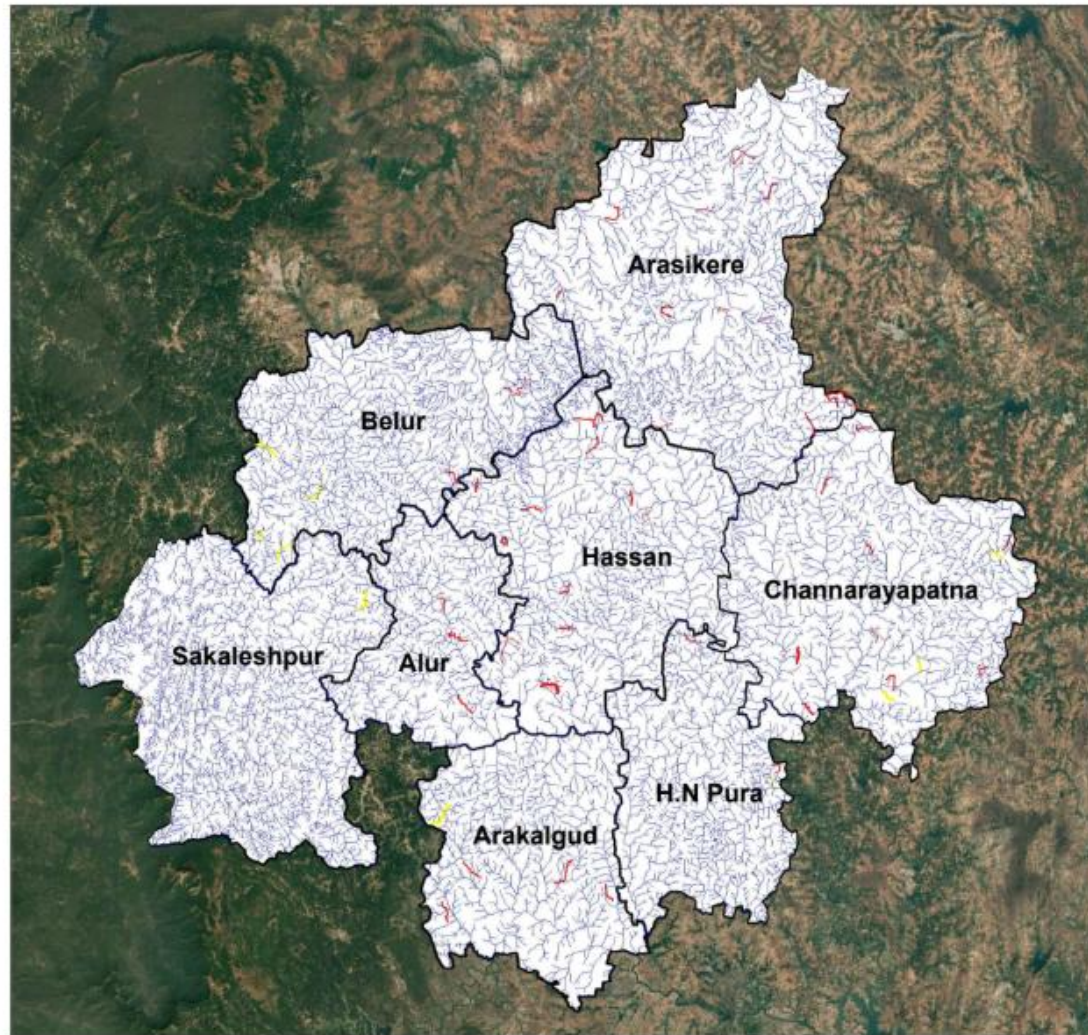
Legend:

-  Surface water Monitoring Location
-  Category-A Roads
-  Category-B Roads
-  Taluk Border

Map Prepared By:







Roads Indicated on Drainage
Map For Pragati Patha Road
Project in Hassan District.



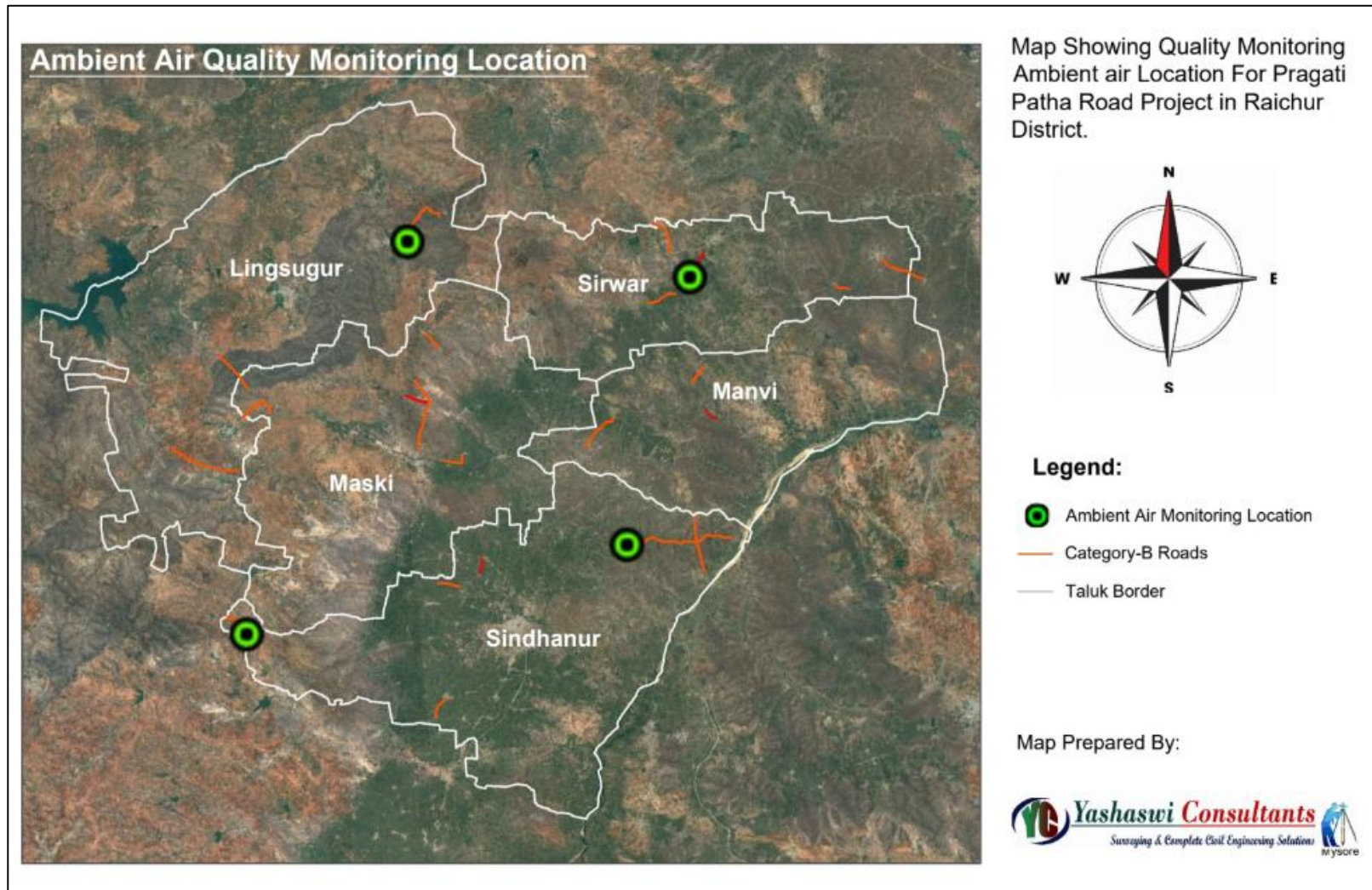
Legend:

- Category-A Roads
- Category-B Roads
- Drainage
- Taluk Border

Map Prepared By:



Raichur District



Ambient Noise Quality Monitoring Location



Map Showing Quality Monitoring Ambient Noise Location For Pragati Patha Road Project in Raichur District.



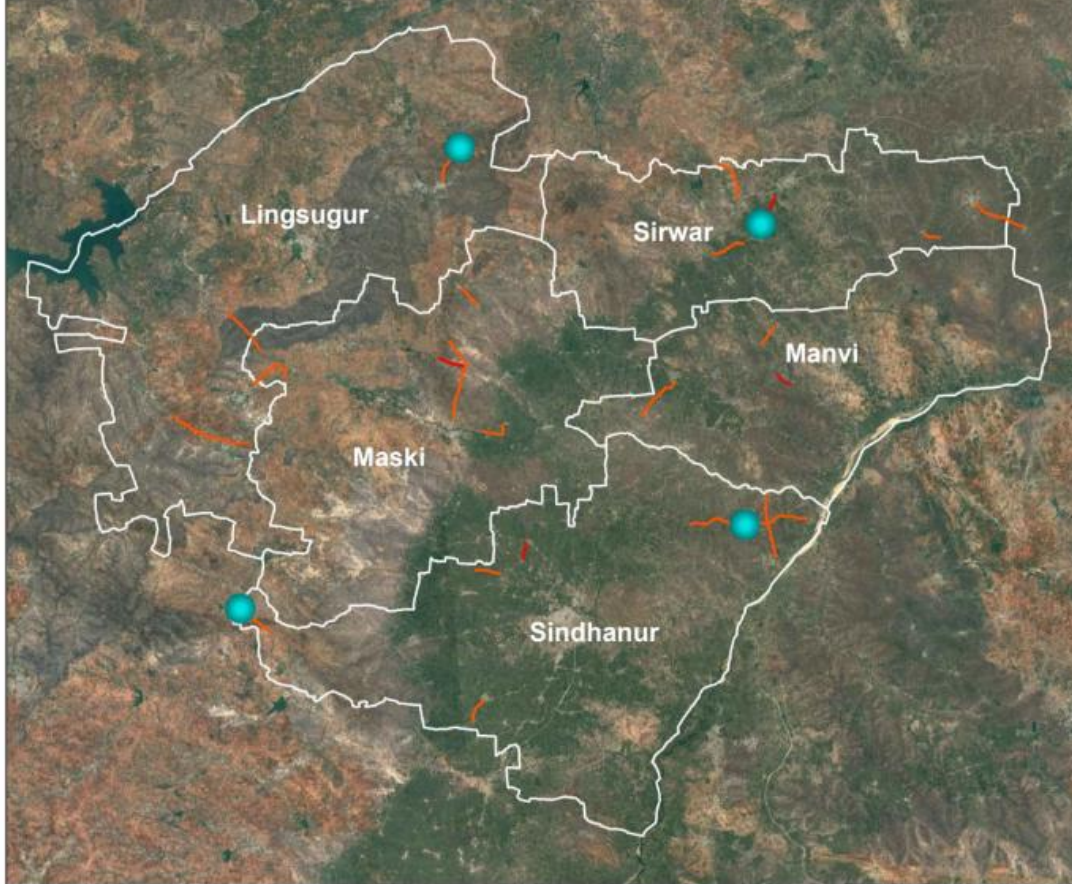
Legend:

-  Ambient Noise Monitoring Location
-  Category-B Roads
-  Taluk Border

Map Prepared By:



Ground Water Quality Monitoring Location



Map Showing Quality Monitoring Ground Water Location For Pragati Patha Road Project in Raichur District.



Legend:

-  Ground Water Monitoring Location
-  Category-B Roads
-  Taluk Border

Map Prepared By:



Surface Water Quality Monitoring Location



Map Showing Quality Monitoring Surface Water Location For Pragati Patha Road Project in Raichur District.



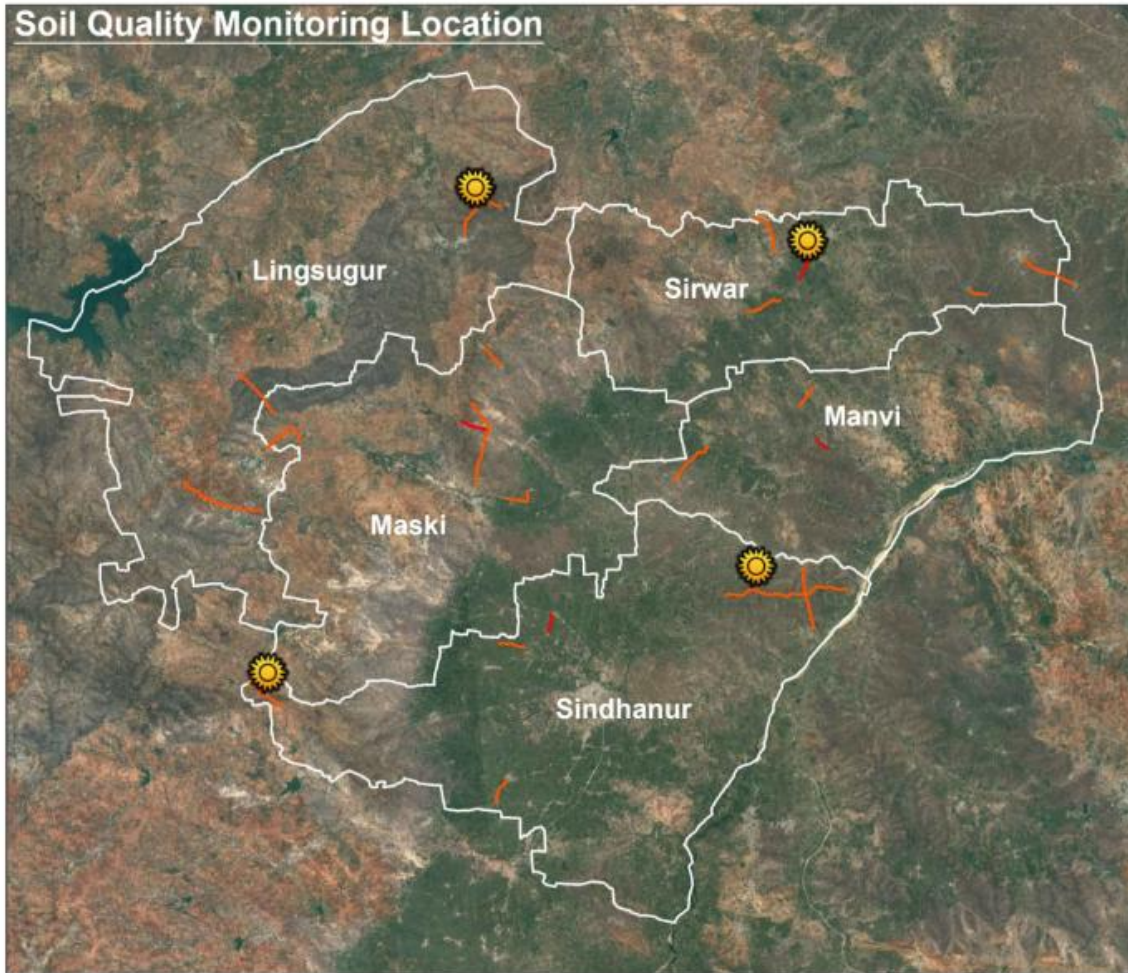
Legend:

-  Surface water Monitoring Location
-  Category-B Roads
-  Taluk Border

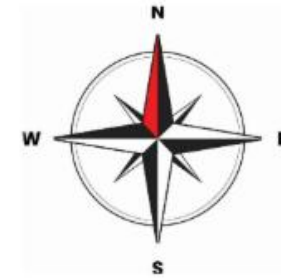
Map Prepared By:



Soil Quality Monitoring Location



Map Showing Soil Quality Monitoring Location For Pragati Patha Road Project in Raichur District.



Legend:

-  Soil Monitoring Location
-  Category-B Roads
-  Taluk Border

Map Prepared By:



Roads Indicated on Drainage Map



Roads Indicated on Drainage Map For Pragati Patha Road Project in Raichur District.



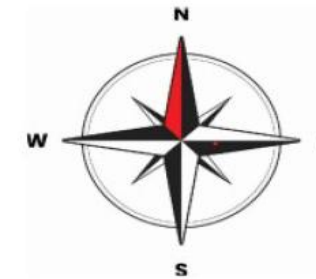
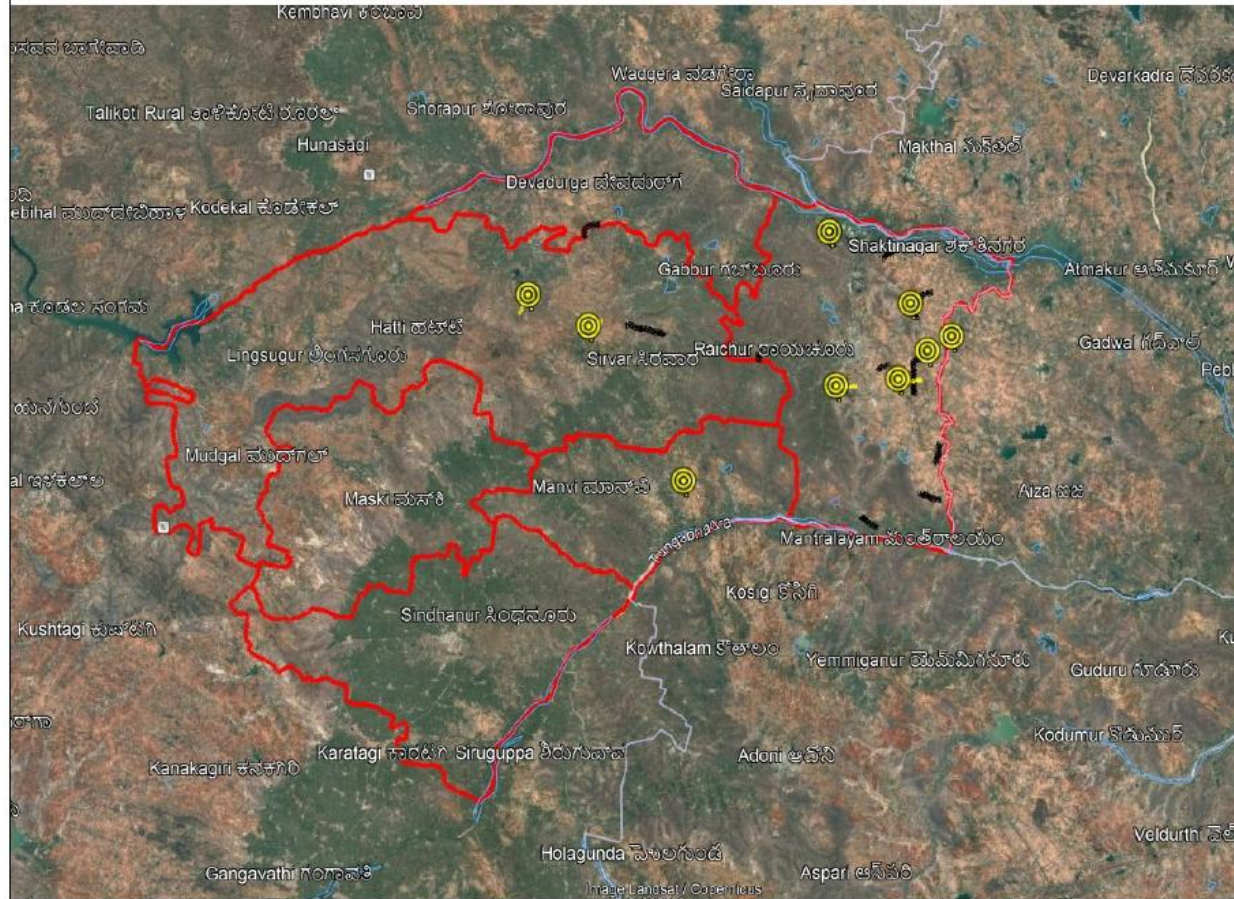
Legend:

- Category-B Roads
- Drainage
- Taluk Border

Map Prepared By:



AMBIENT AIR QUALITY MONITORING LOCATION



Category B Road

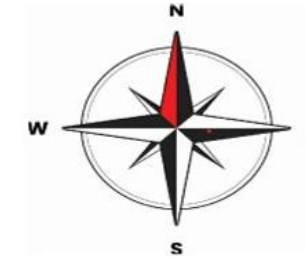
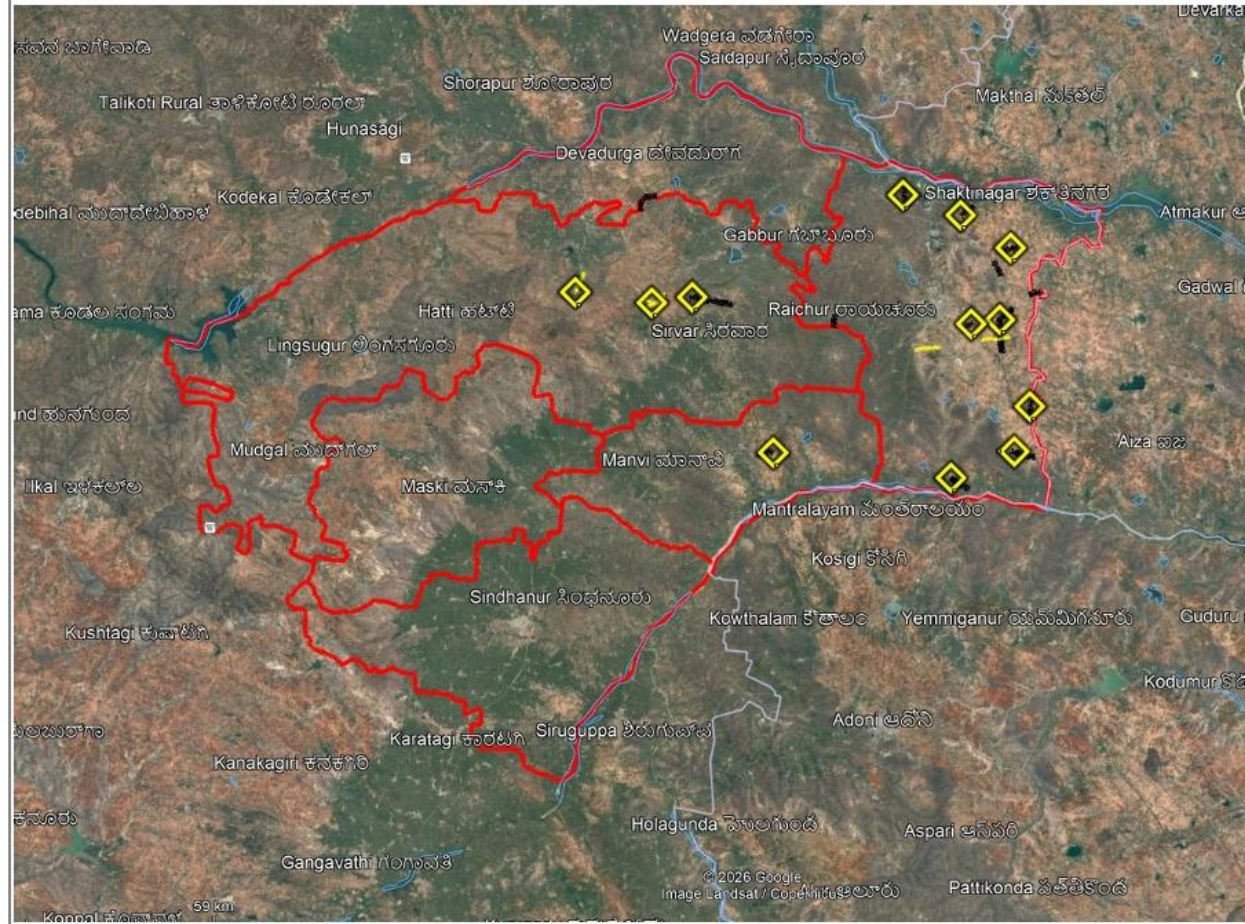
Category A Road

Ambient air quality monitoring location

Raichur Dist: Raichur Rural, Devdurga, Raichur Urban

DPR Consultants:
KATCON CONSULTANTS

AMBIENT NOISE MONITORING LOCATION

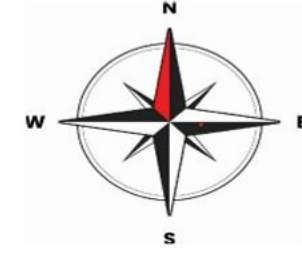
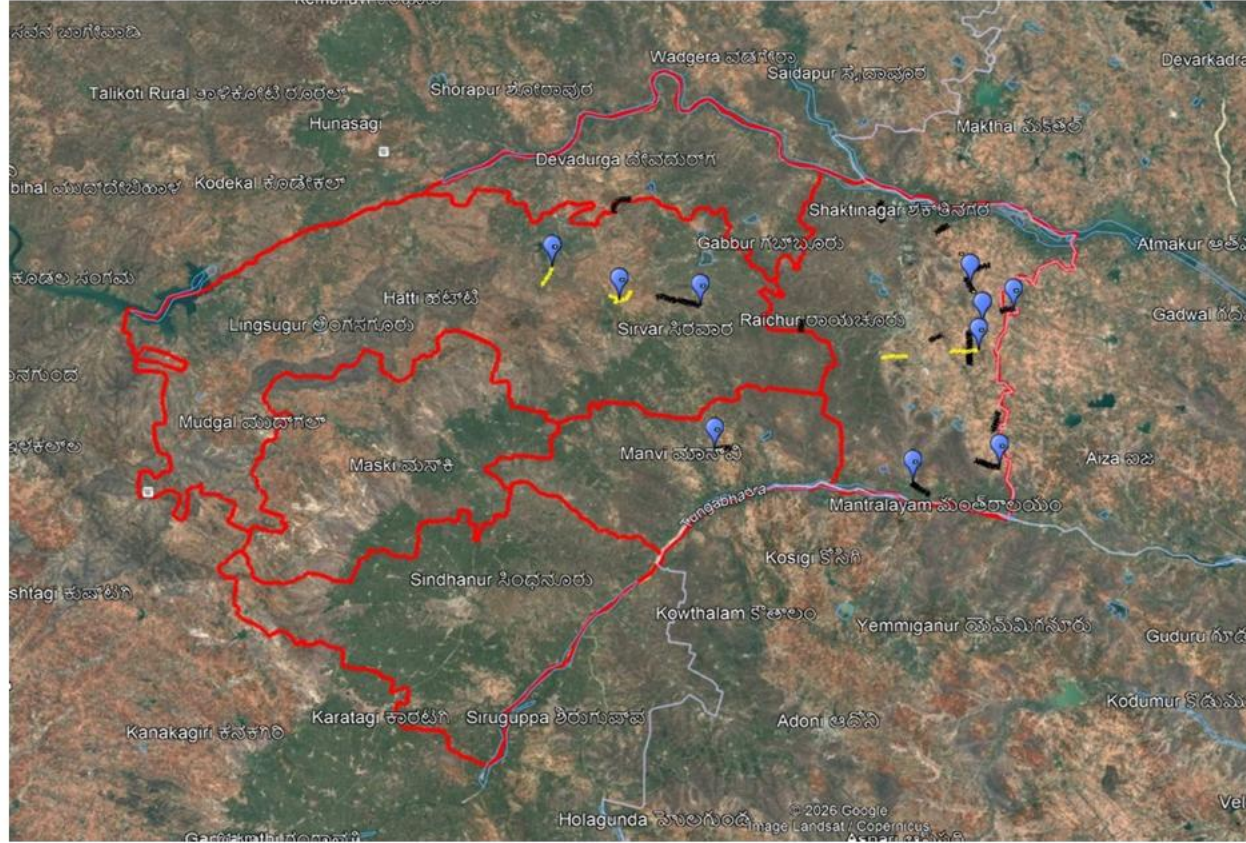


- Category B Road**
- Category A Road**
- Ambient Noise monitoring location**

Raichur Dist: Raichur Rural, Devdurga, Raichur Urban

DPR Consultants:
KATCON CONSULTANTS

GROUND WATER QUALITY WATER MONITORING



Category B Road

Category A Road

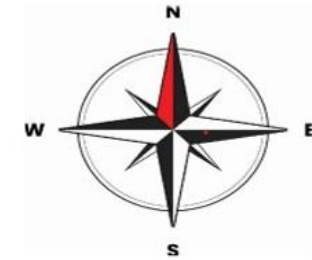
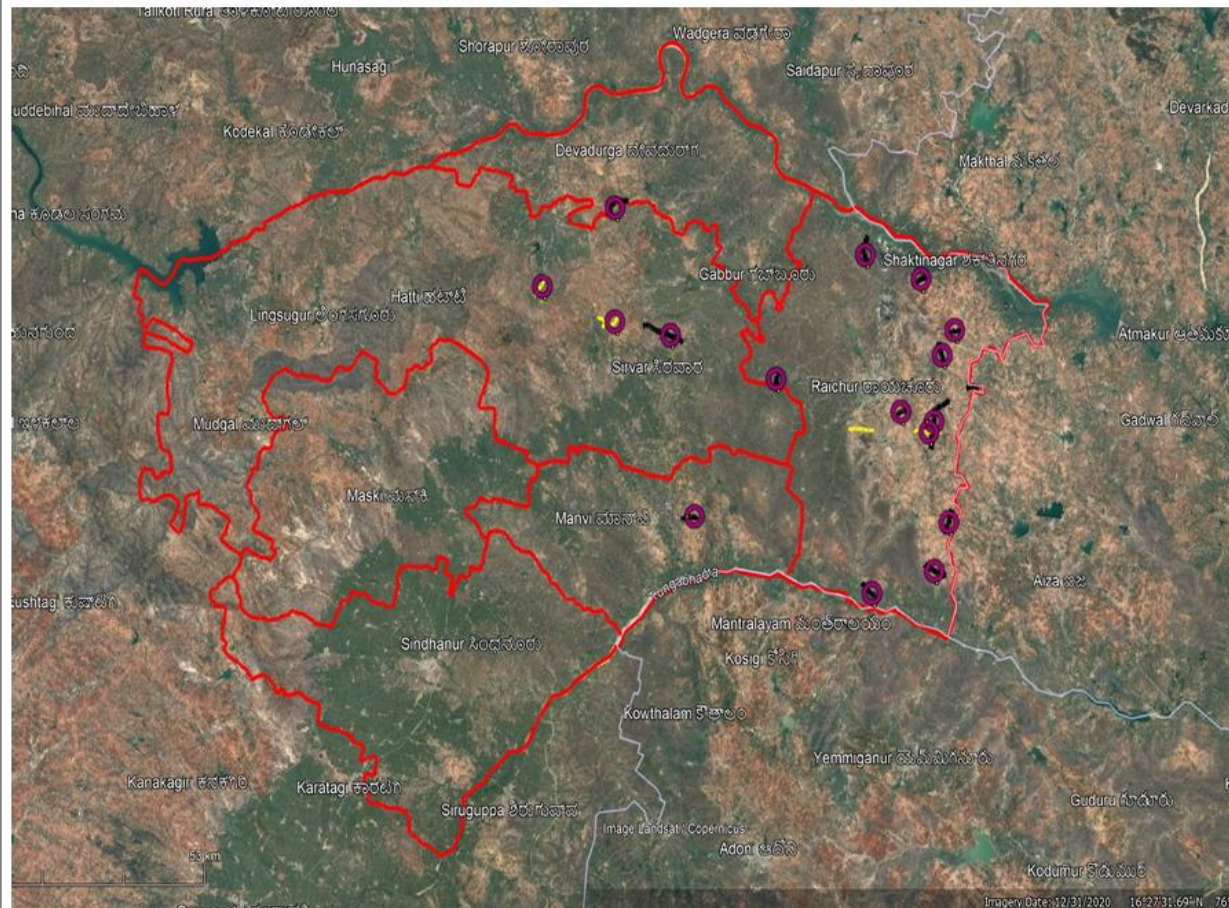
**Ground water quality
monitoring location**

**Raichur Dist: Raichur Rural,
Devdurga, Raichur Urban**

DPR Consultants:

KATCON CONSULTANTS

SOIL SAMPLING LOCATION



Category B Road

Category A Road

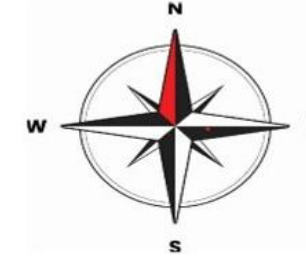
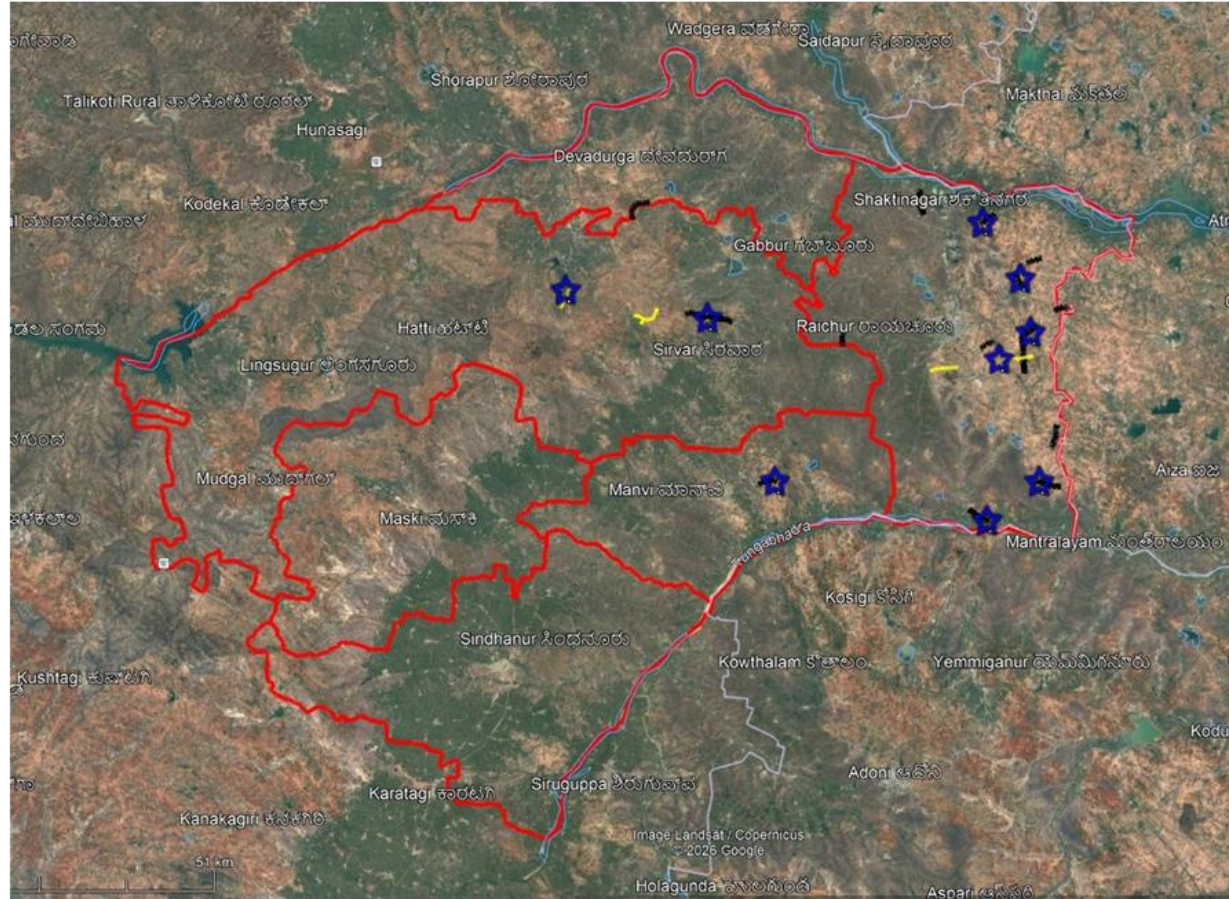


**Soil sampling
location**

Raichur Dist: Raichur
Rural, Devdurga, Raichur
Urban

DPR Consultants:
KATCON CONSULTANTS

SURFACE WATER QUALITY WATER MONITORING



Category B Road

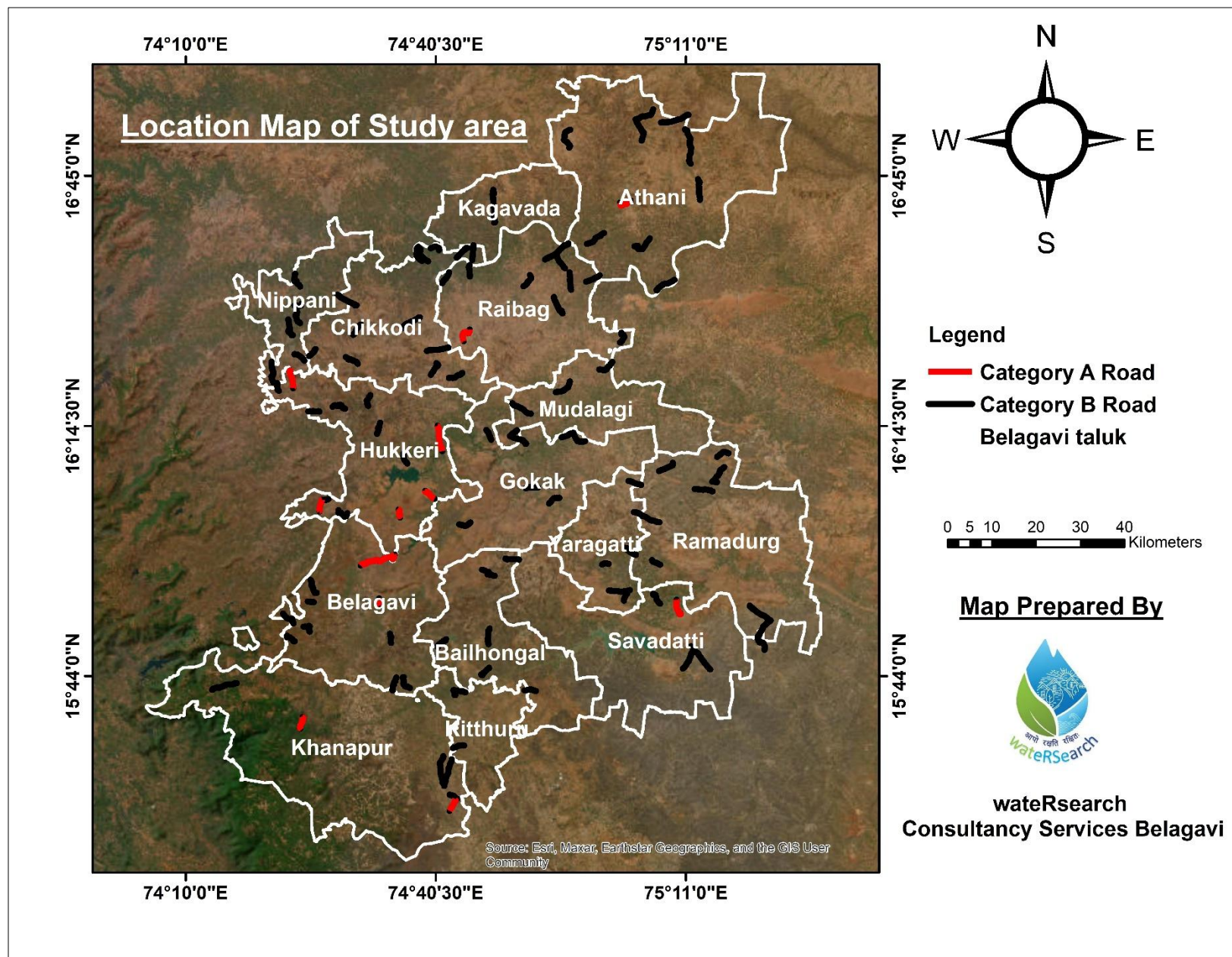
Category A Road

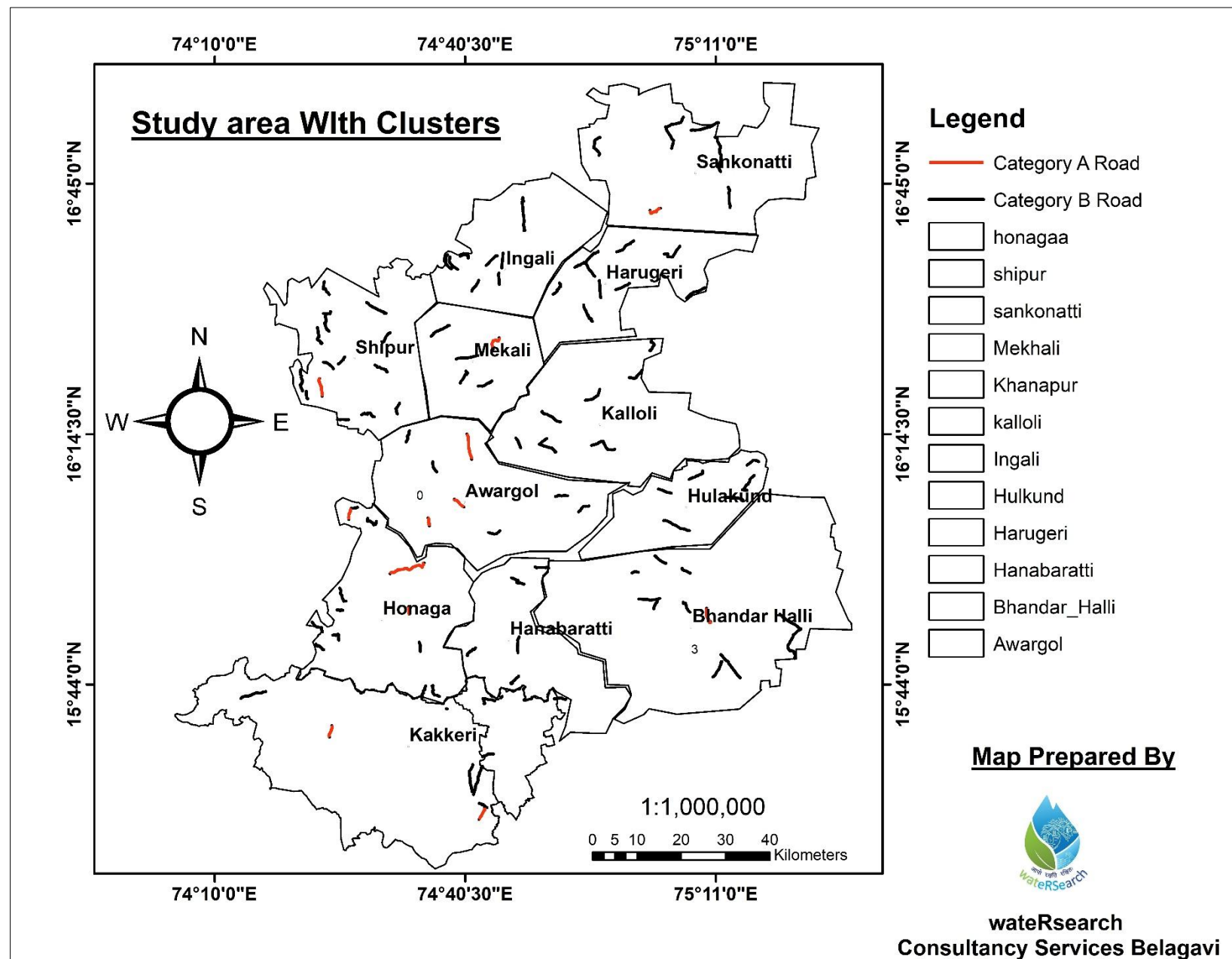
**★ Surface water
quality monitoring location**

Raichur Dist: Raichur
Rural, Devdurga, Raichur
Urban

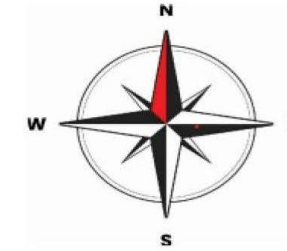
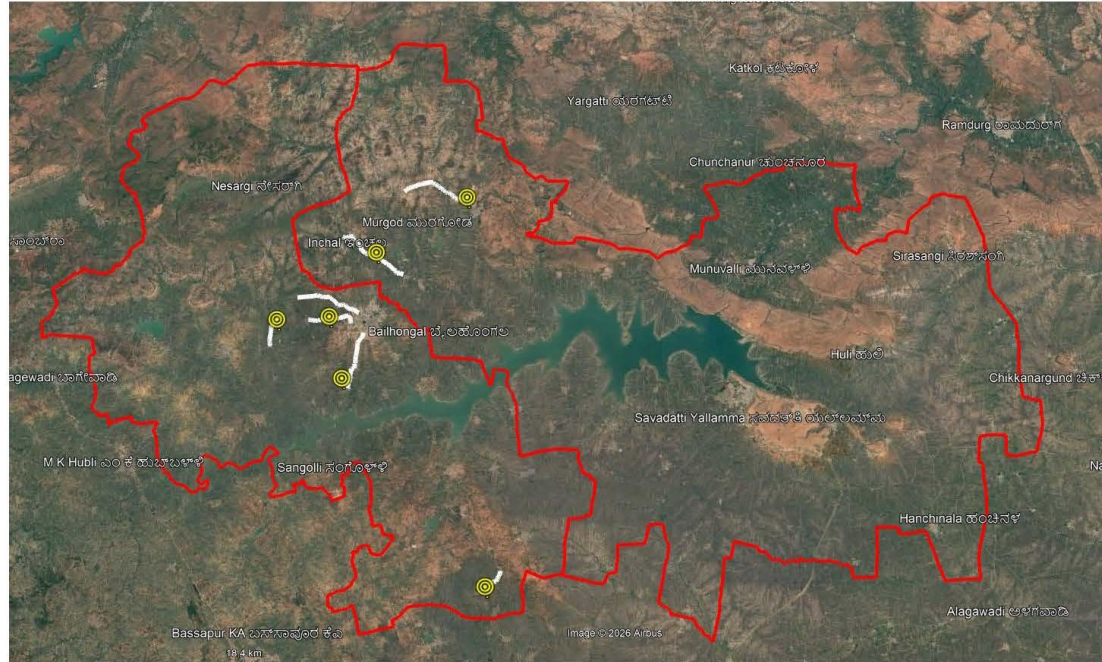
DPR Consultants:
KATCON CONSULTANTS

Belagavi District





AMBIENT AIR QUALITY WATER MONITORING



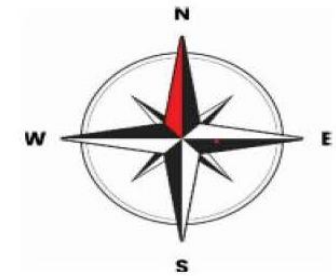
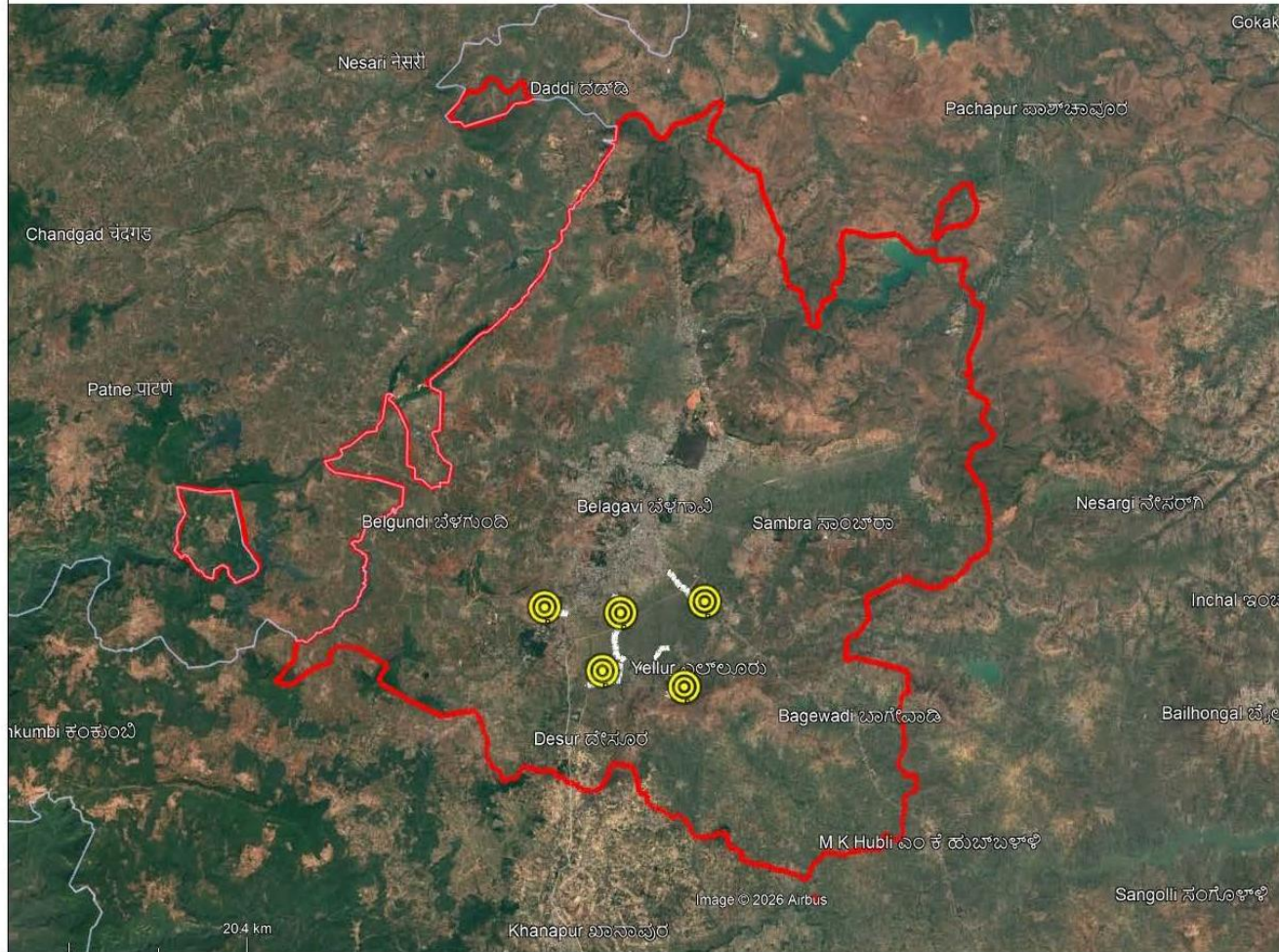
 **Category B Road**

 **Ambient air quality monitoring location**

Belgaum Dist: Bailhongal Taluk

DPR Consultants:
KATCON CONSULTANTS

AMBIENT AIR QUALITY MONITORING LOCATION



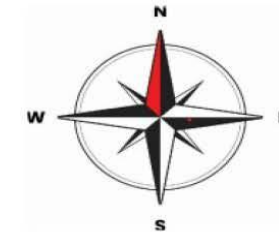
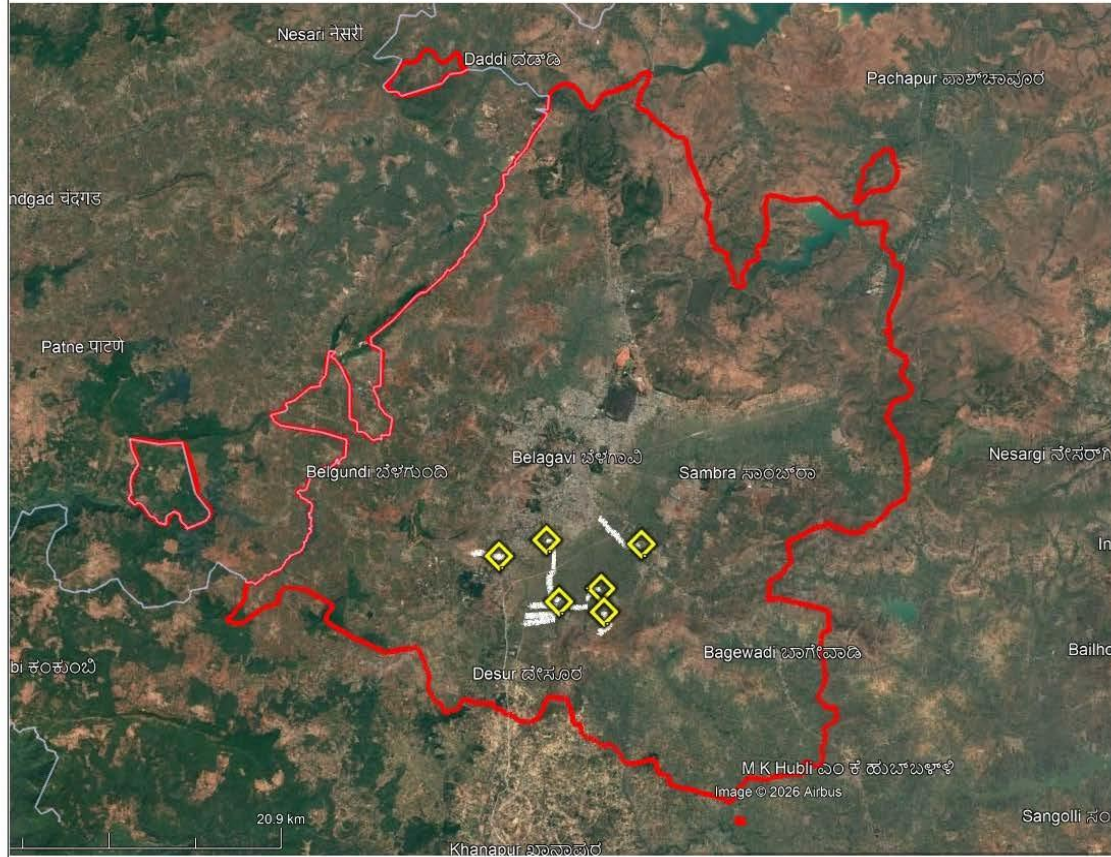
— Category B Road

○ Ambient air quality monitoring location

Belgaum Dist: Belgaum Taluka

DPR Consultants:
KATCON CONSULTANTS

AMBIENT NOISE MONITORING LOCATION



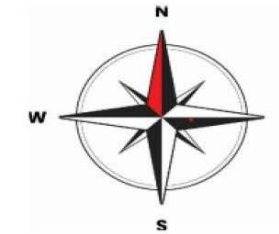
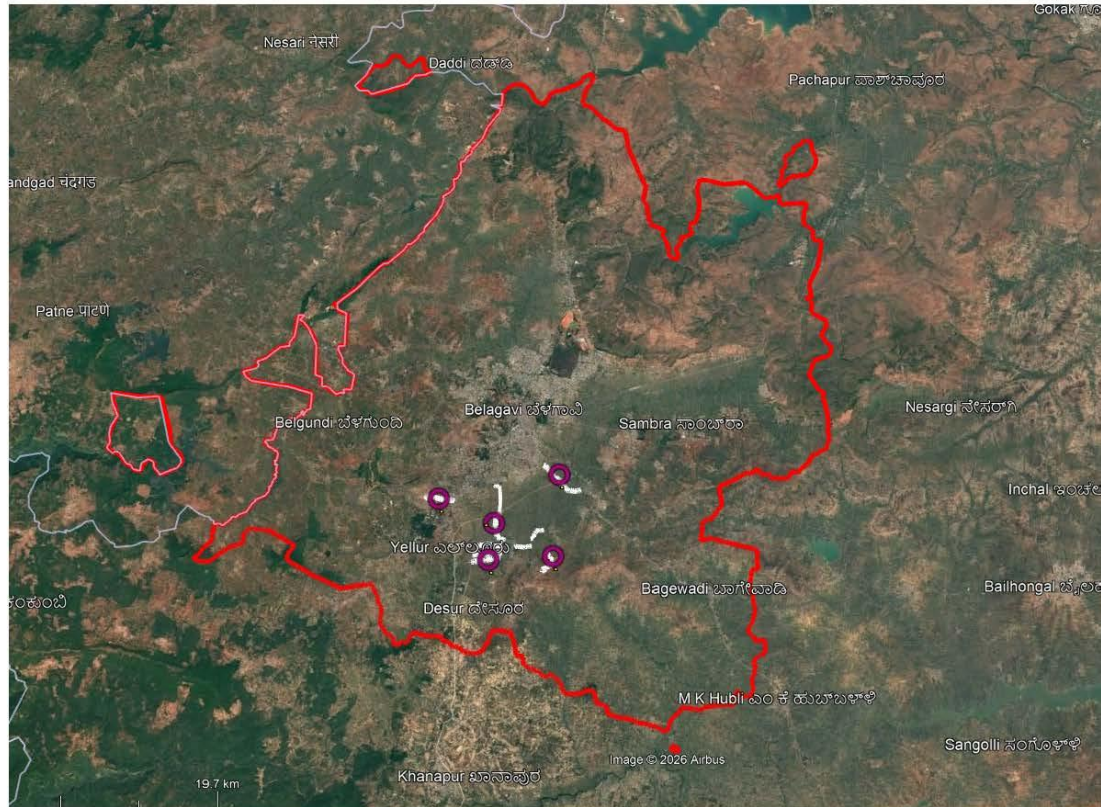
Category B Road

**Ambient Noise
monitoring location**

Belgaum Dist: Belgaum
Taluka

**DPR Consultants:
KATCON CONSULTANTS**

SOIL SAMPLING LOCATION



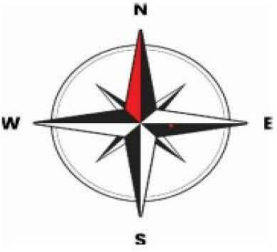
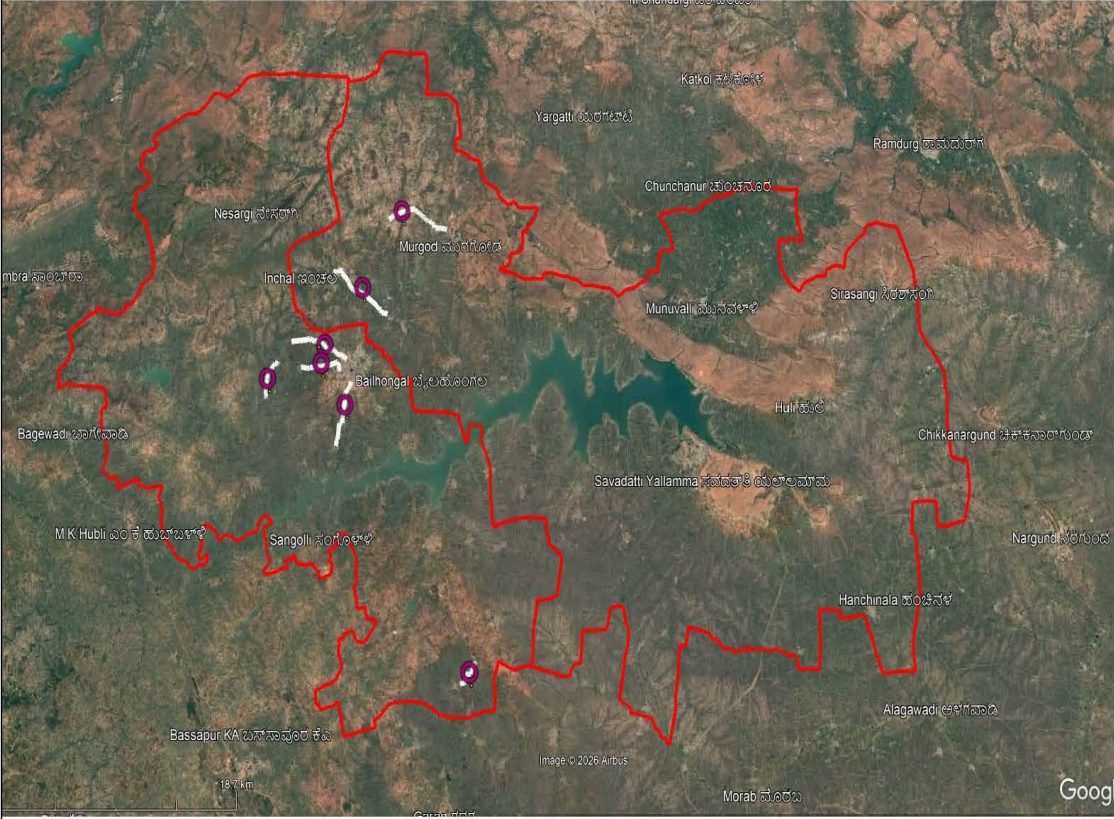
— Category B Road

○ Soil sampling location

Belgaum Dist: Belgaum Taluka

DPR Consultants:
KATCON CONSULTANTS

SOIL SAMPLING LOCATION



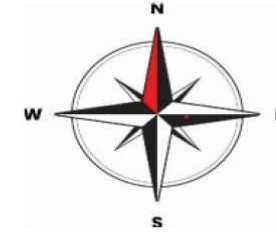
Category B Road

 **Soil sampling locations**

Belgaum Dist: Bailhongal Taluk

**DPR Consultants:
KATCON CONSULTANTS**

GROUND WATER QUALITY WATER MONITORING



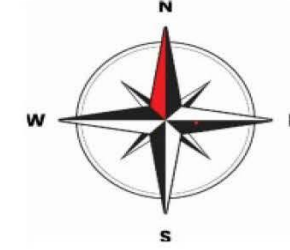
Category B Road

**Ground water quality
monitoring location**

Belgaum Dist: Belgaum
Taluka

DPR Consultants:
KATCON CONSULTANTS

GROUND WATER QUALITY WATER MONITORING



Category B Road

**Ground water quality
monitoring location**

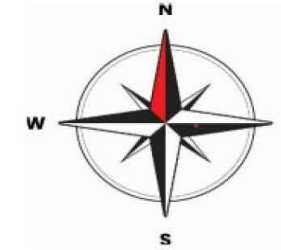
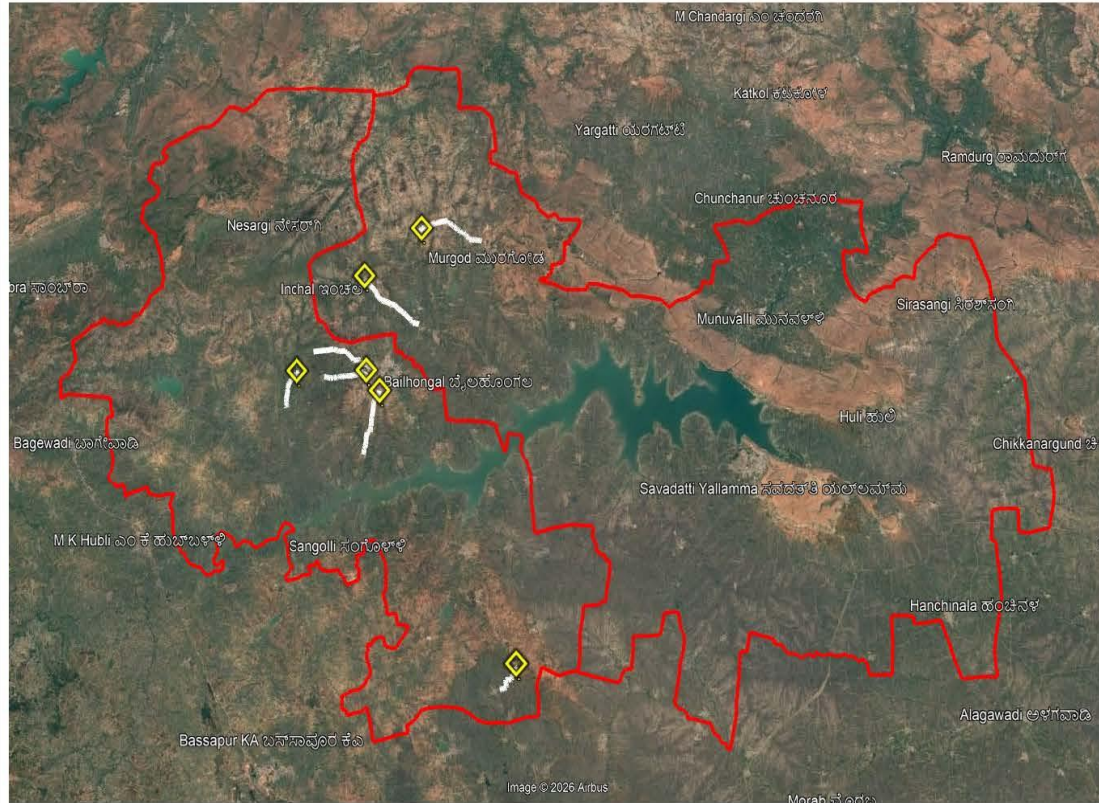
Belgaum Dist:

Bailhongal Taluk

DPR Consultants:

KATCON CONSULTANTS

AMBIENT NOISE MONITORING LOCATION



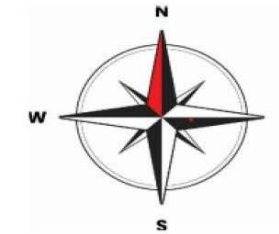
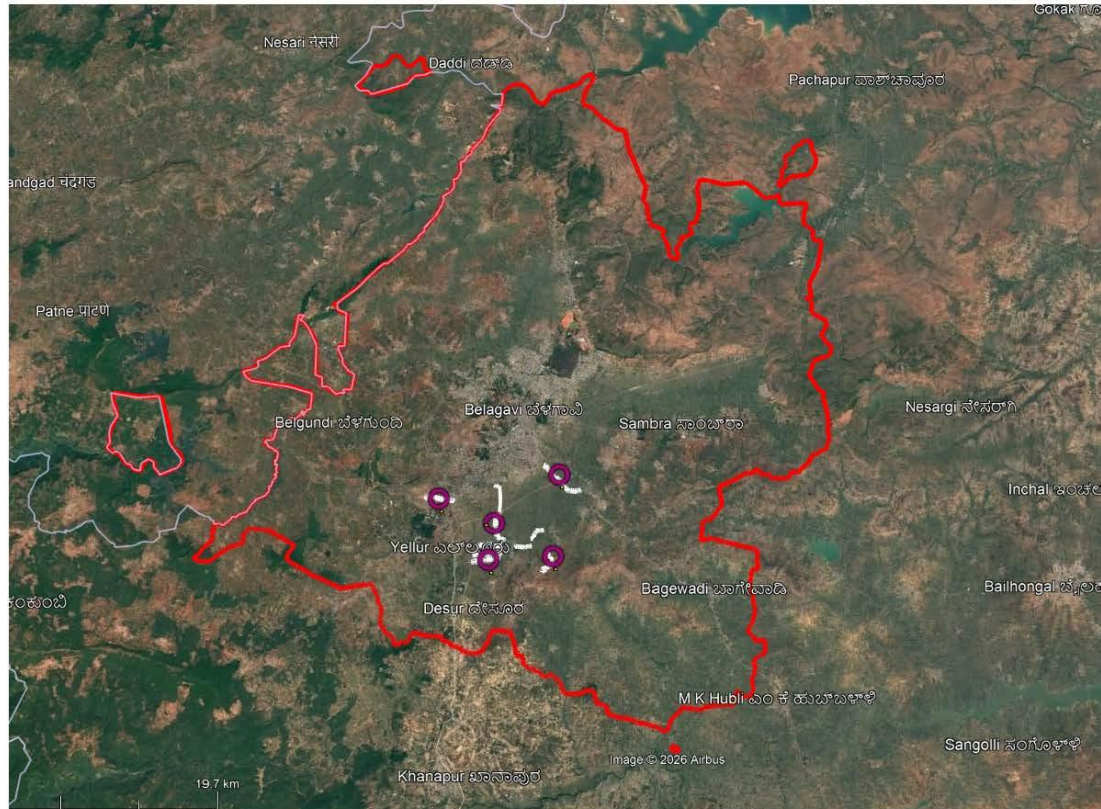
Category B Road

**Ambient Noise
monitoring location**

Belgaum Dist: Bailhongal
Taluk

DPR Consultants:
KATCON CONSULTANTS

SOIL SAMPLING LOCATION



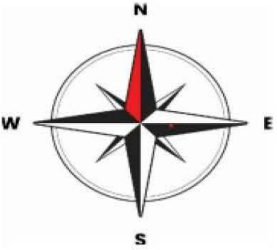
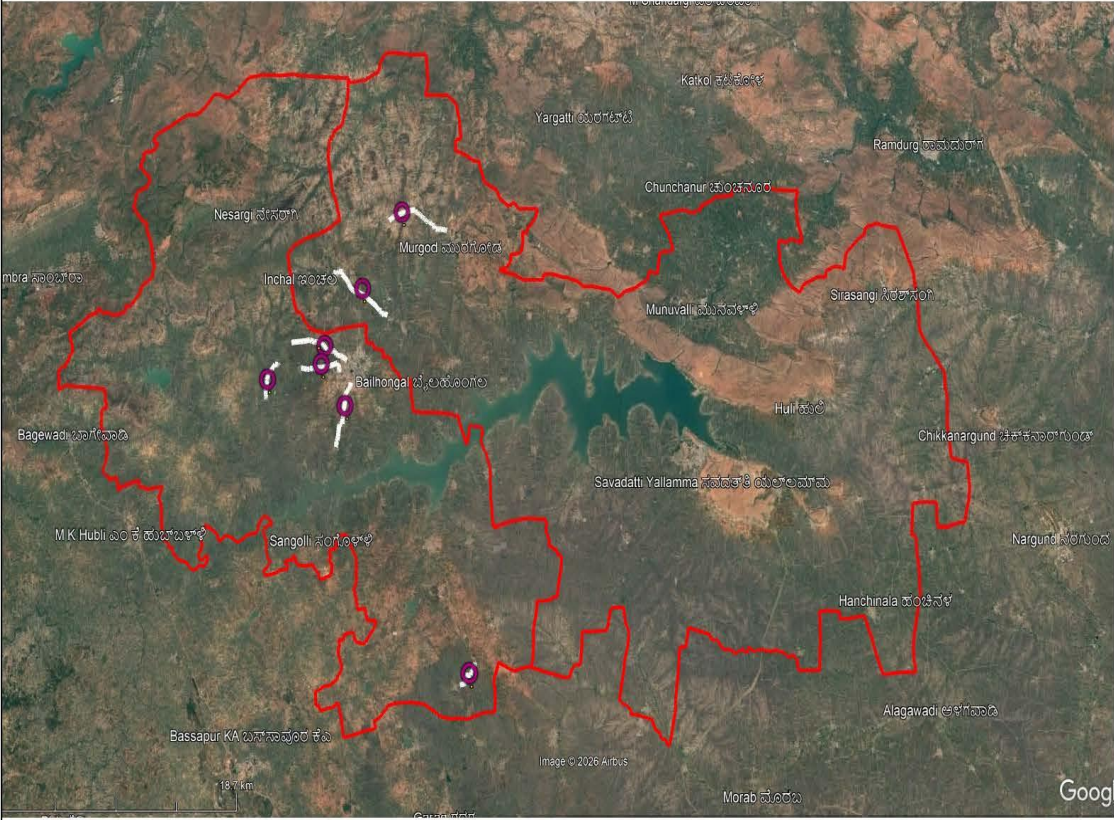
— Category B Road

○ Soil sampling location

Belgaum Dist: Belgaum Taluka

DPR Consultants:
KATCON CONSULTANTS

SOIL SAMPLING LOCATION



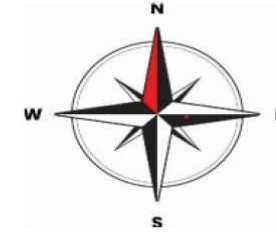
Category B Road

 Soil sampling locations

Belgaum Dist: Bailhongal Taluk

DPR Consultants:
KATCON CONSULTANTS

GROUND WATER QUALITY WATER MONITORING



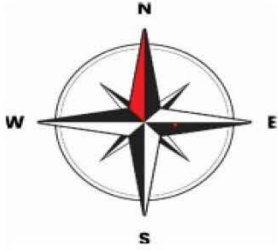
Category B Road

**Ground water quality
monitoring location**

Belgaum Dist: Belgaum
Taluka

DPR Consultants:
KATCON CONSULTANTS

GROUND WATER QUALITY WATER MONITORING



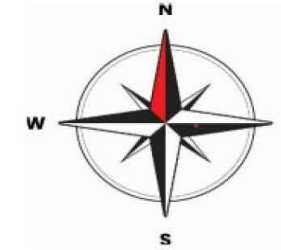
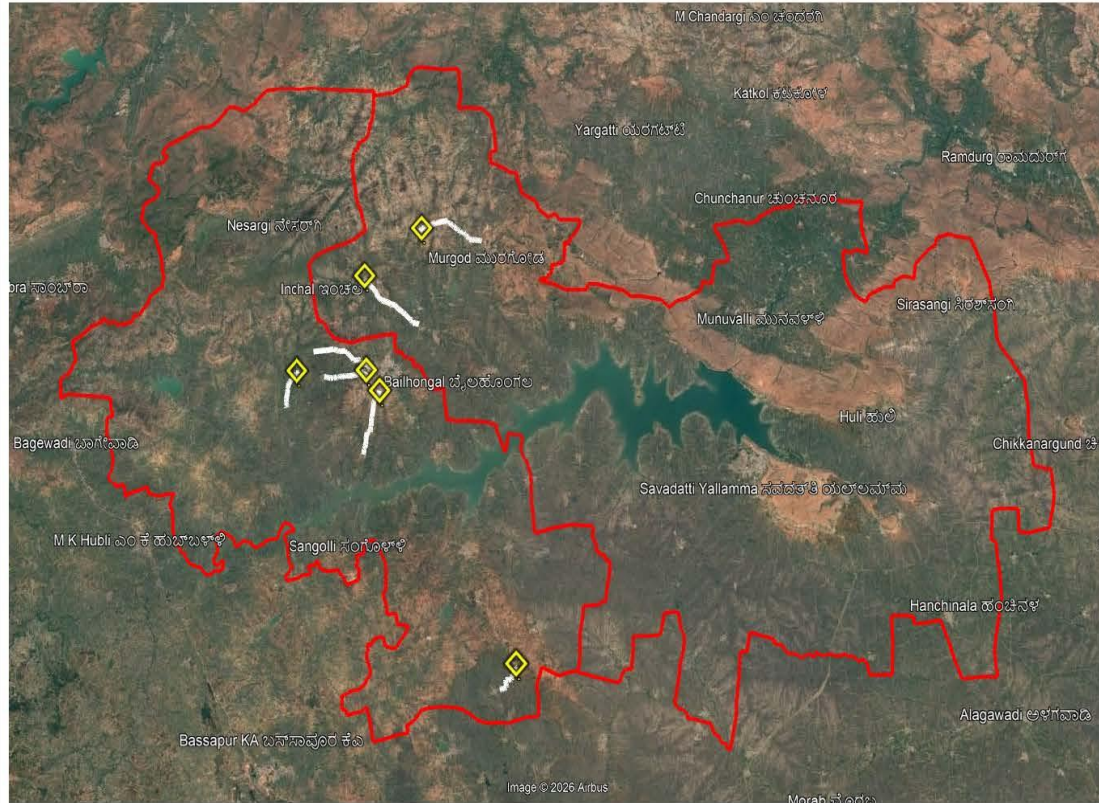
— Category B Road

Ground water quality
monitoring location

Belgaum Dist:
Bailhongal Taluk

DPR Consultants:
KATCON CONSULTANTS

AMBIENT NOISE MONITORING LOCATION

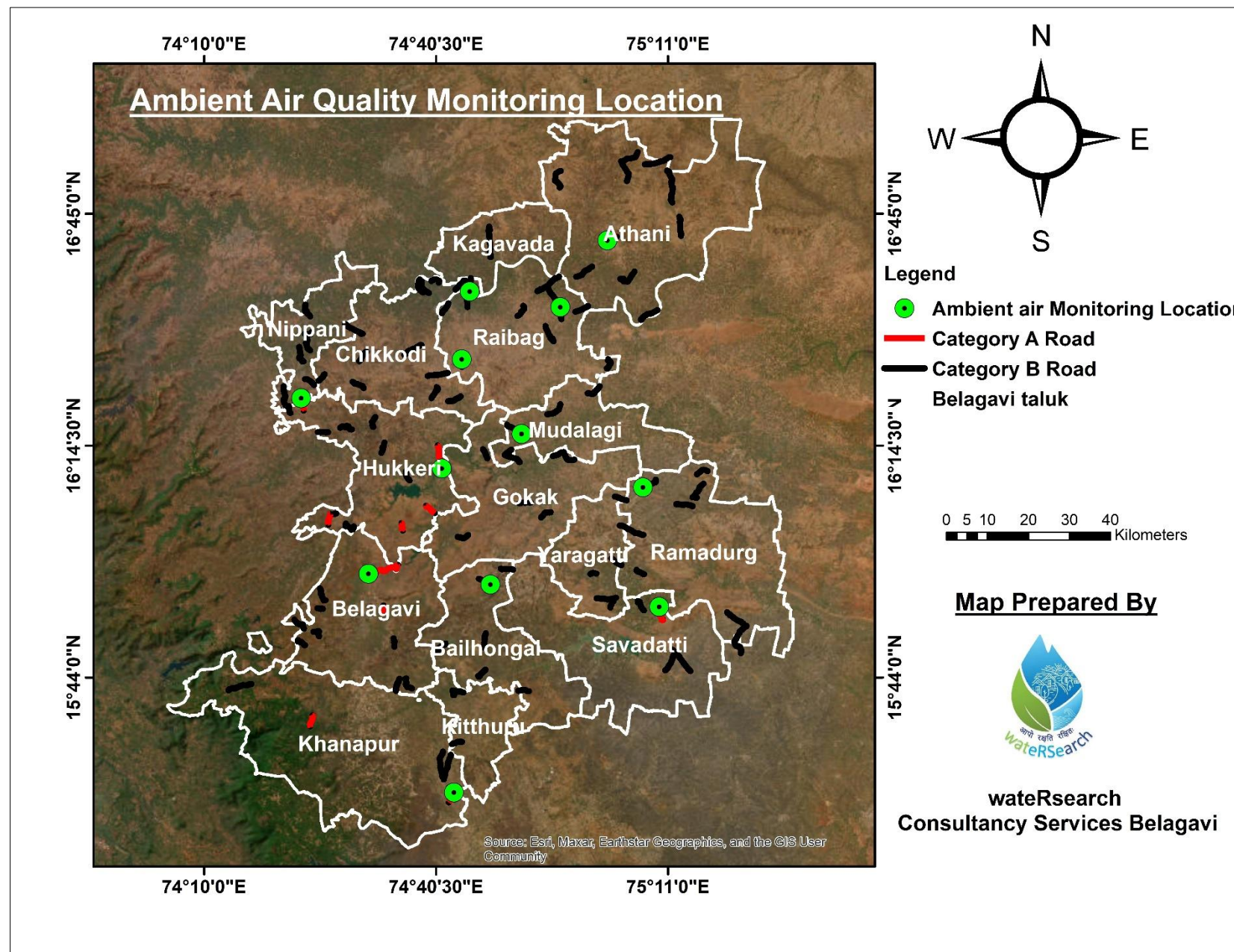


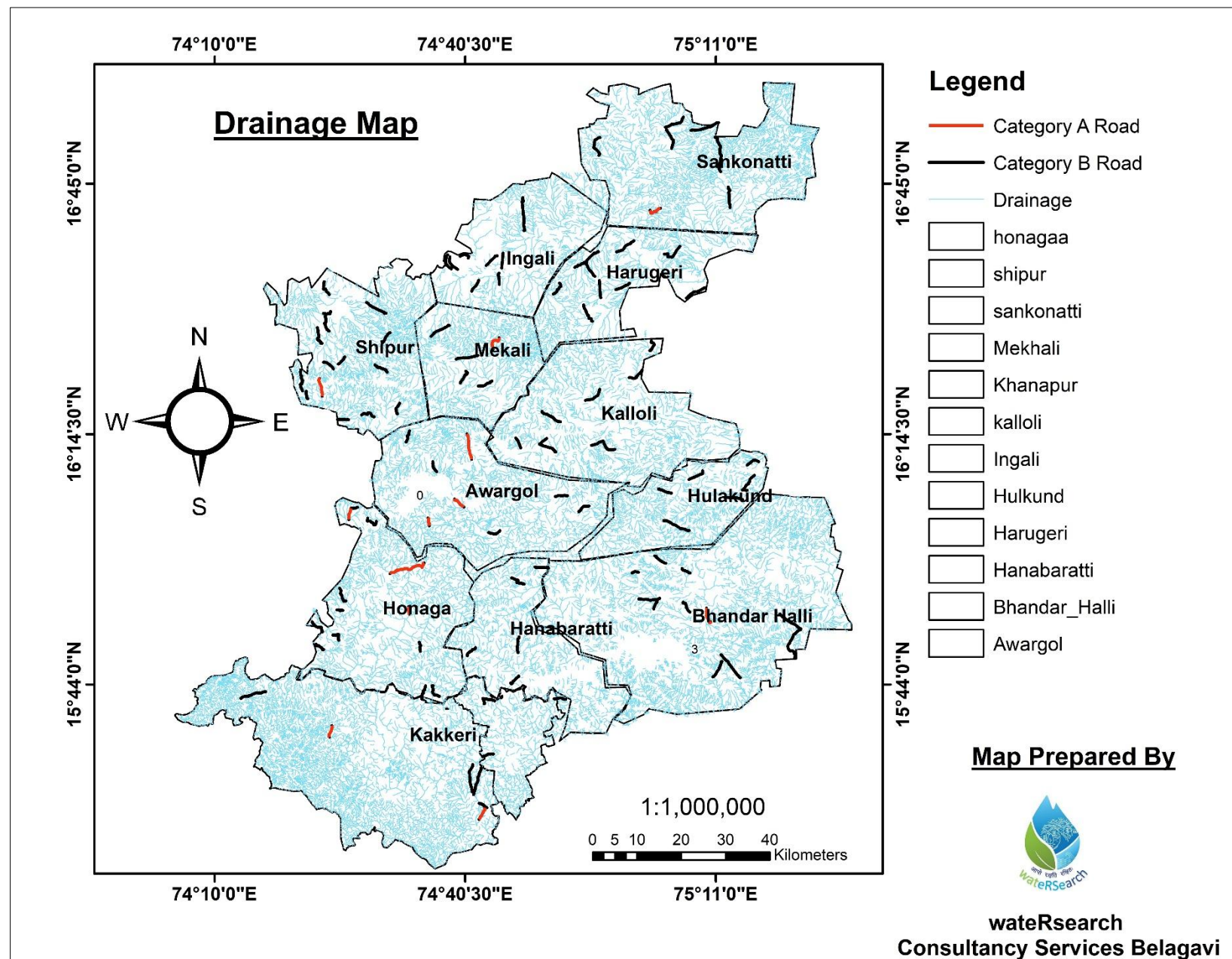
Category B Road

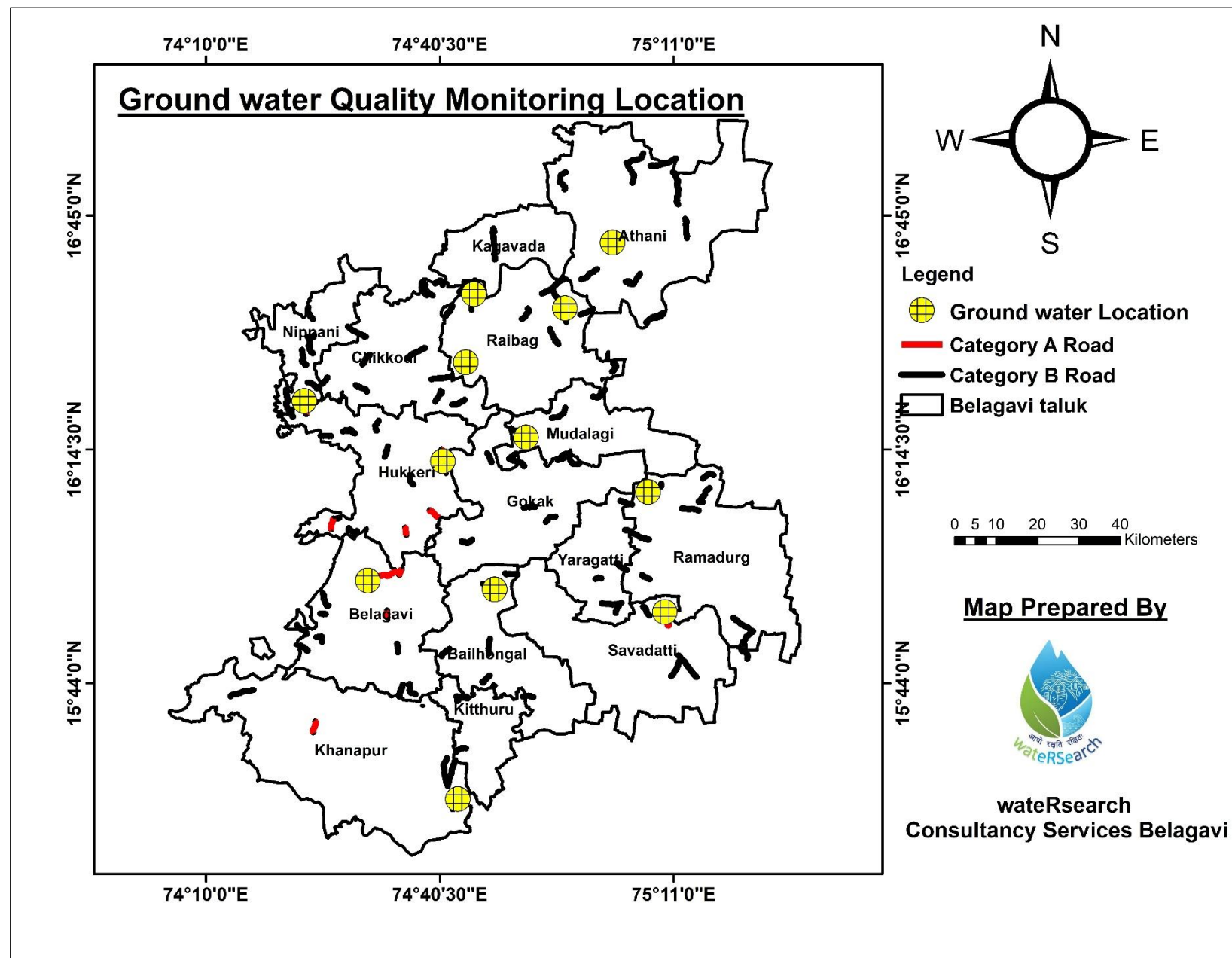
**Ambient Noise
monitoring location**

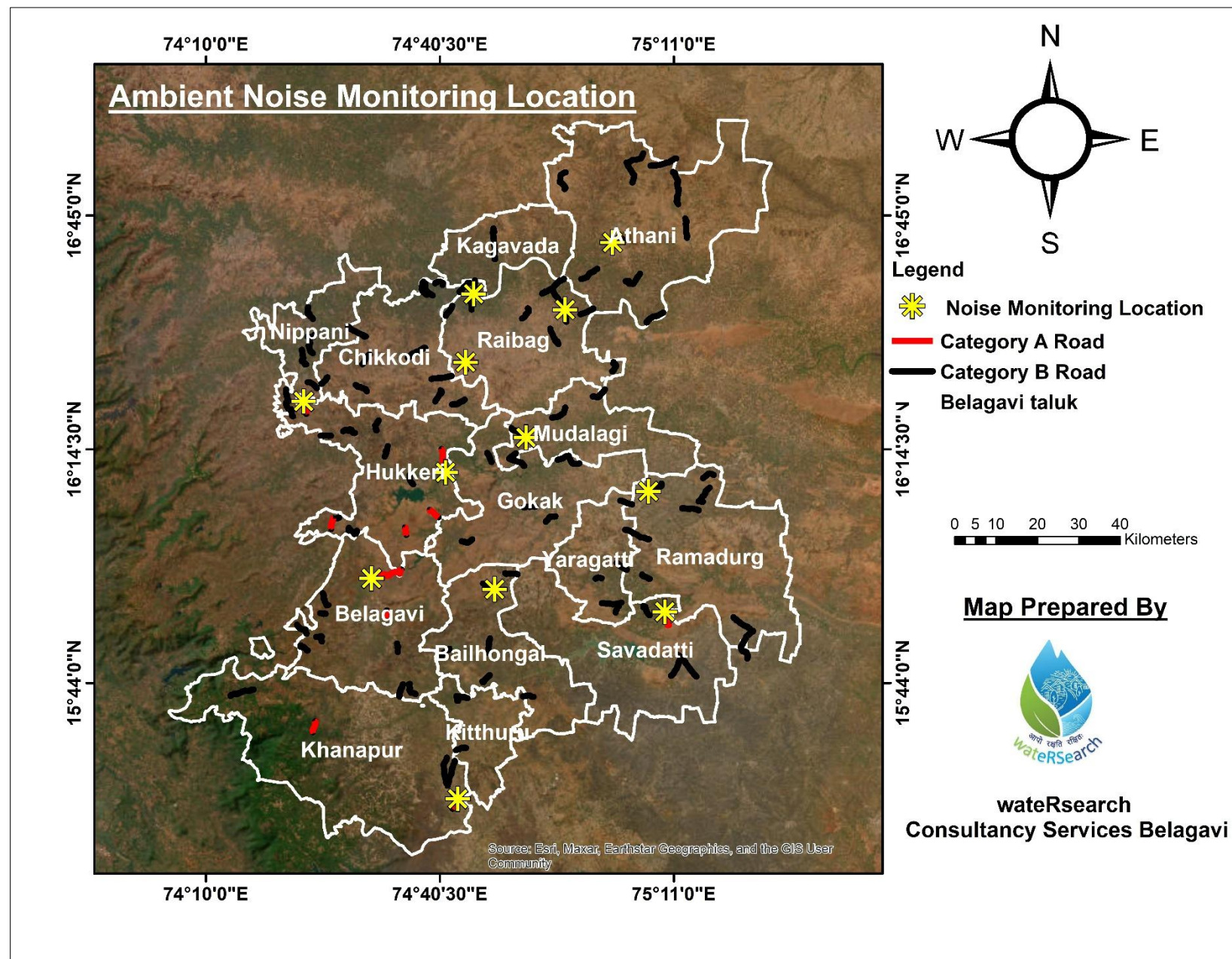
Belgaum Dist: Bailhongal
Taluk

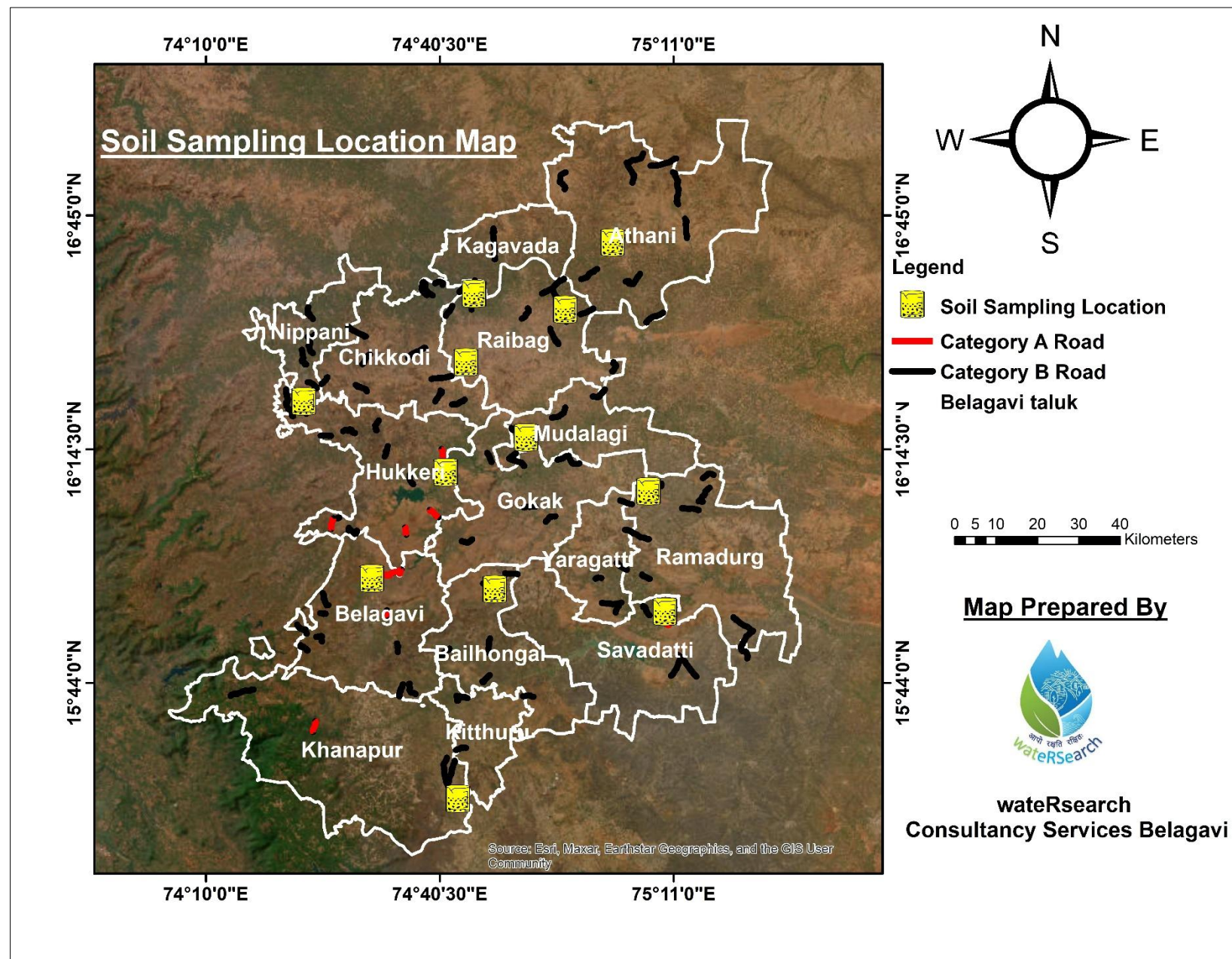
DPR Consultants:
KATCON CONSULTANTS

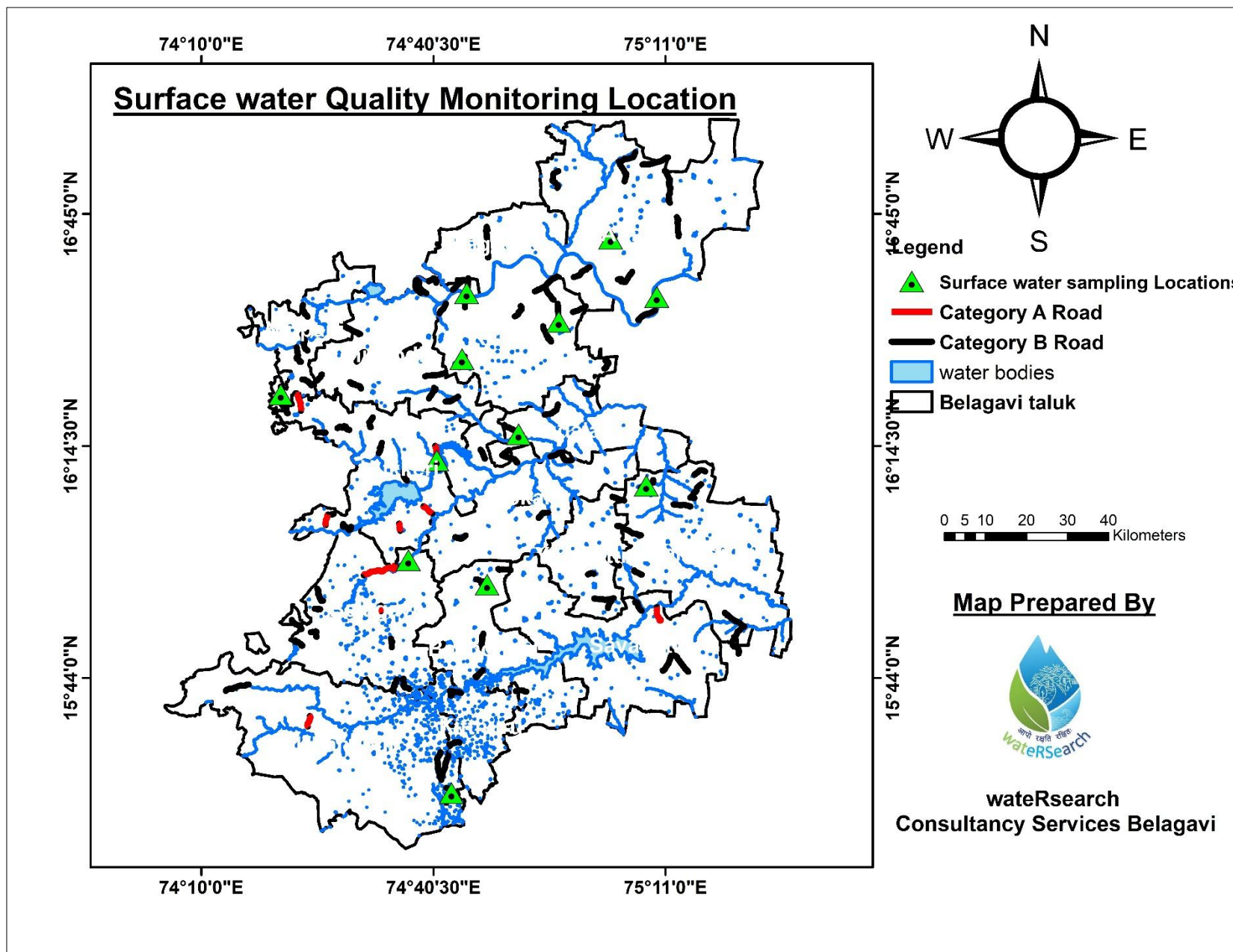


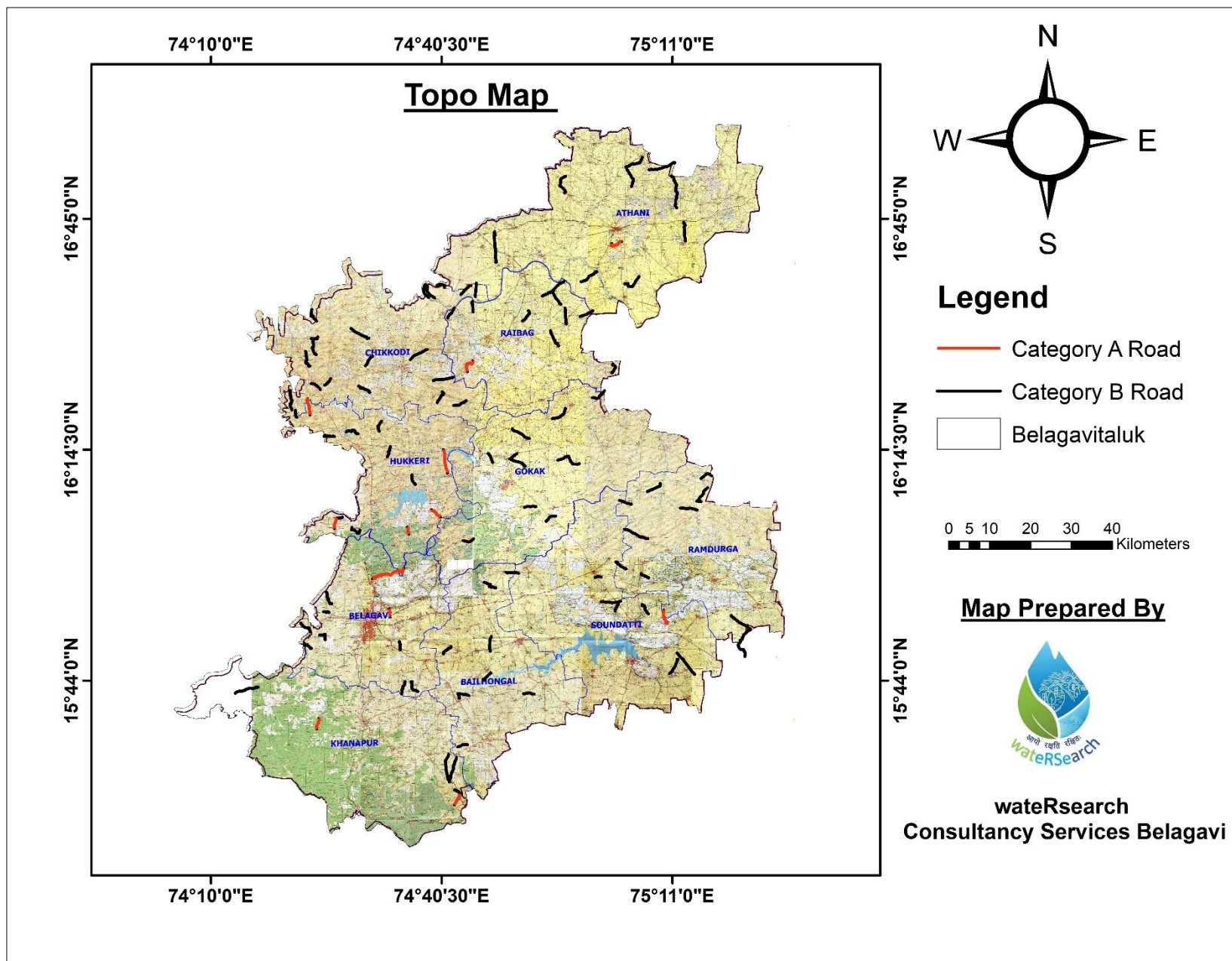






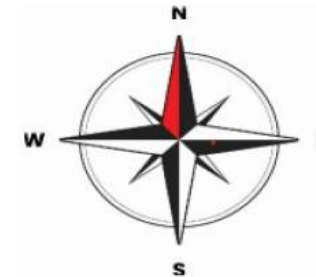
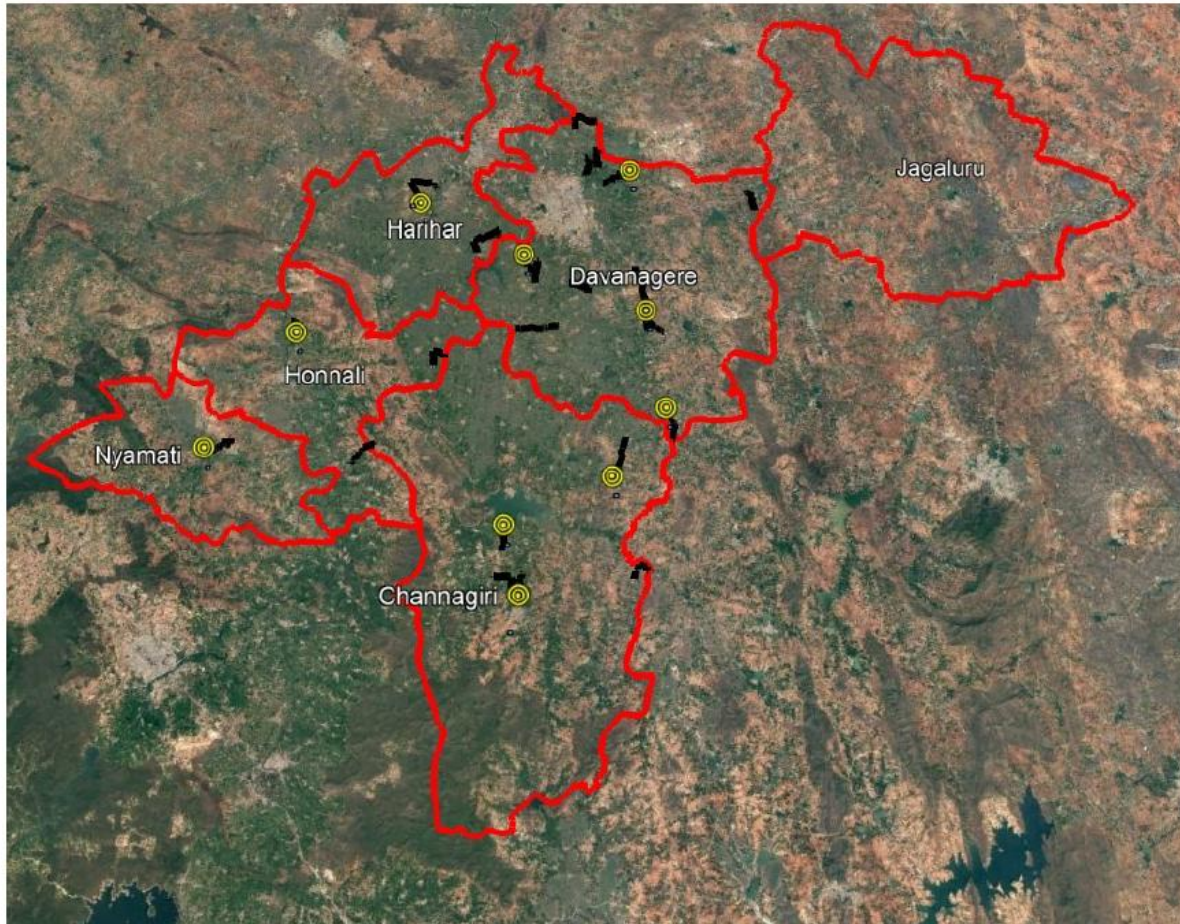






Davangere District

AMBIENT AIR QUALITY MONITORING LOCATION



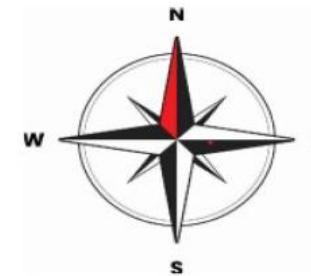
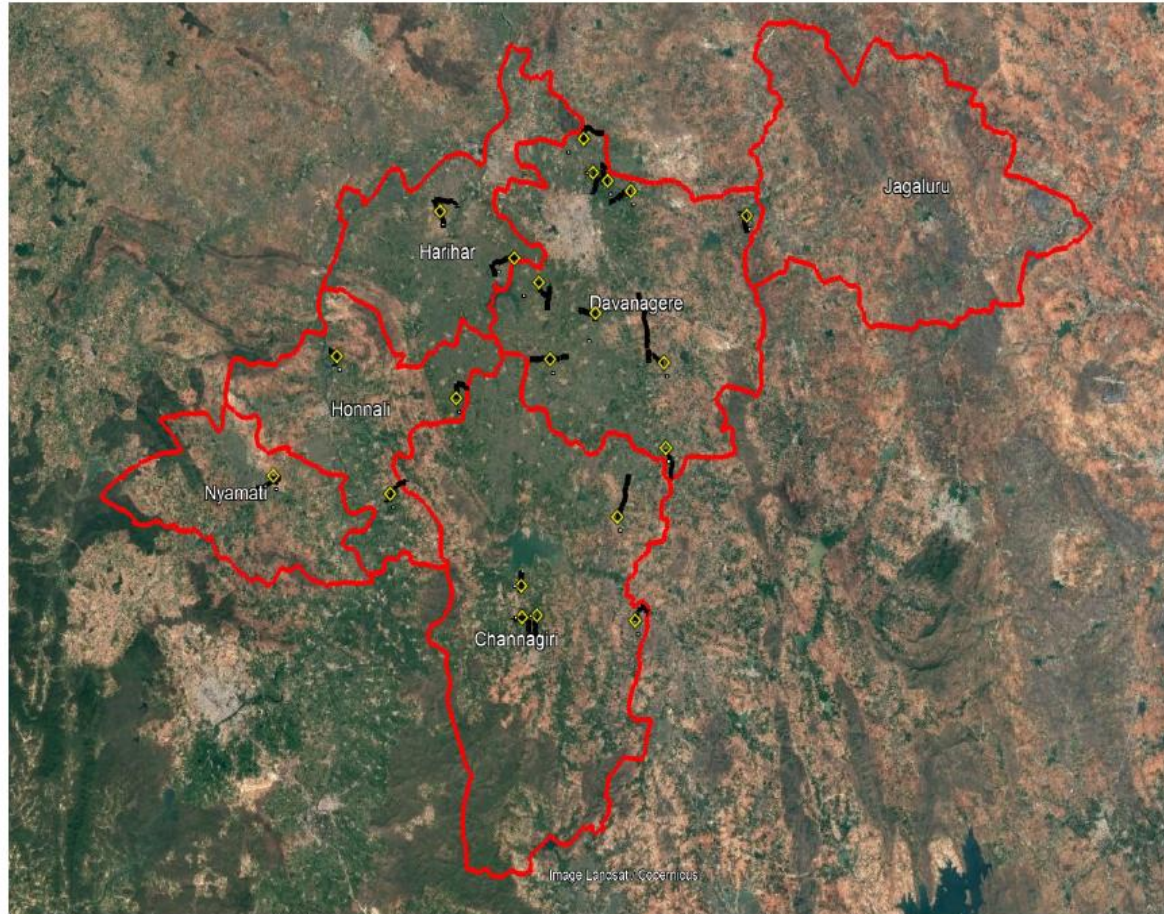
 Category B Road

 Ambient air quality monitoring location

Davangere Dist: Harihar,
Maykonda, Davangere,
Channagiri Honnali Taluka

DPR Consultants:
KATCON CONSULTANTS

AMBIENT NOISE MONITORING LOCATION



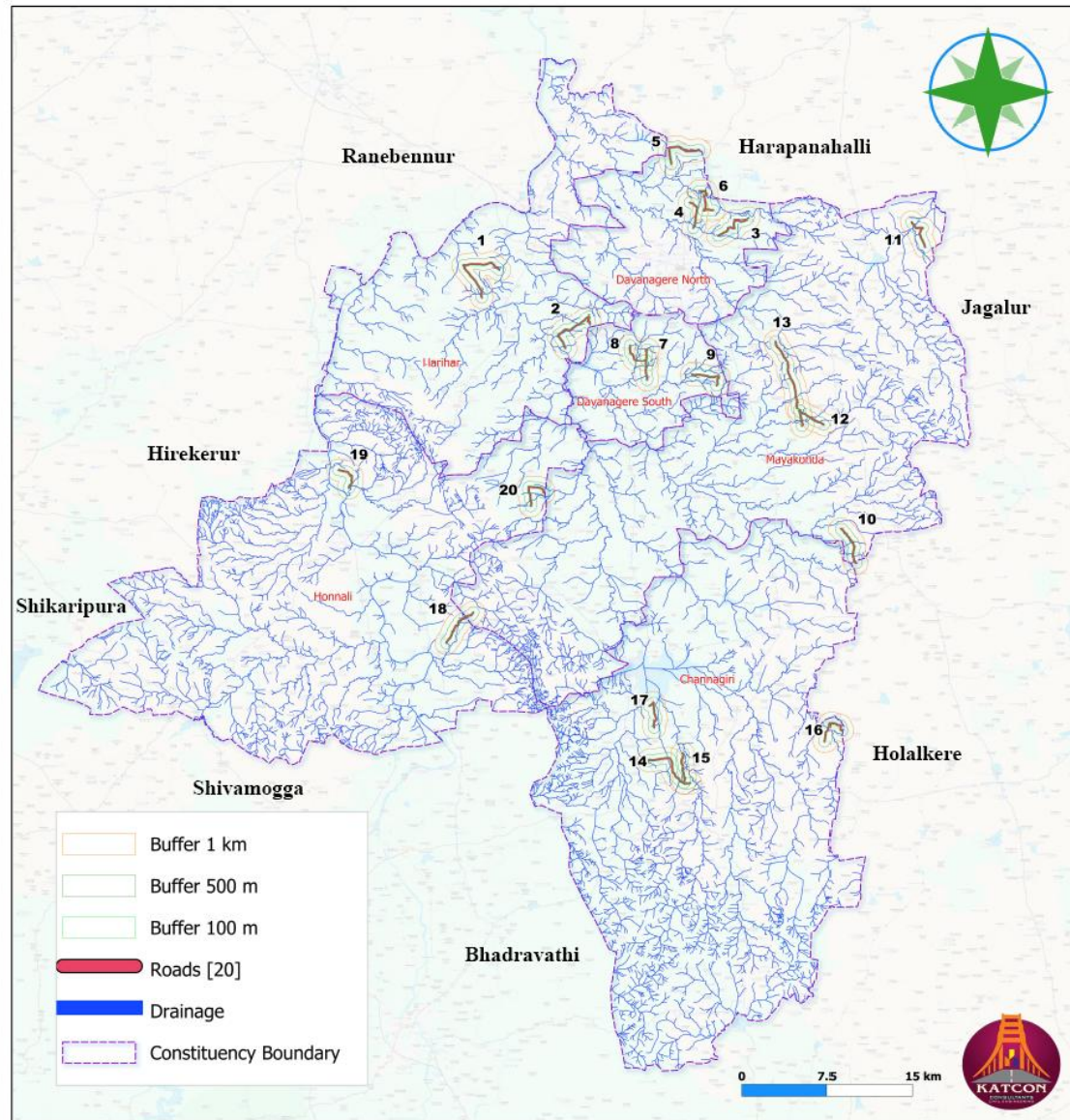
 **Category B Road**

 **Ambient Noise
monitoring location**

Davangere Dist: Harihar,
Maykonda, Davangere,
Channagiri Honnali Taluka

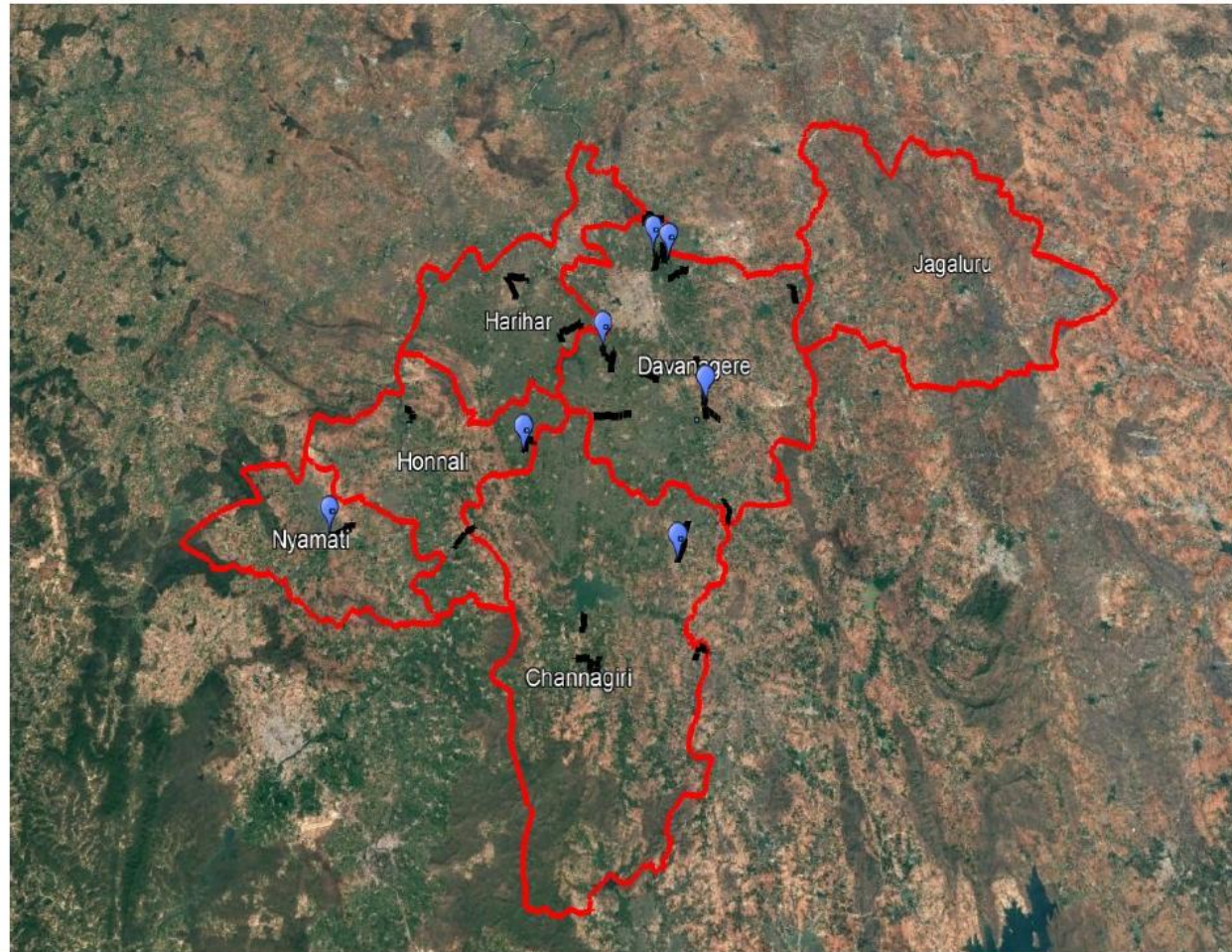
DPR Consultants:
KATCON CONSULTANTS

Road and Drainage Proximity map of Davanegere District



ID	Road details
1	Road from Bhanuvalli to MDR RAMATHIRTHAIN
2	Road from Devrabelakre to Salakatte via kadlegondi salakatte camp
3	Bethur to Kadajji
4	Chikkbuddhal to Amruthnagar Kalpanahalli
5	Doddaobajjihal to Taluka border
6	Putgnal to Malagondanahalli
7	Hadadi to Durgambika camp Additional Length
8	SH Near Hadadi to Durgambika
9	Turchagatta to K. Bullapur via Hosa Bullapur
10	Jagalur Road to kittur kurdi Mdr
11	Jagalur to kittur maykonda
12	Road from Koadgnur to Echegatta
13	Road from Mallashetty to MDR Vaderahalli via Karilakkenahalli
14	Road Bilahalli to Bussenahalli
15	Busenhalli to Hosabhanihatti in Channagiri
16	Koratigere to taluk border (Ramaghatta) via Lakshmisagara
17	MDR near Mantraghatta to Ittige in Channagiri
18	Hanumanahalli to Taluk border (Kanchugharanahalli)
19	Kotemallur MDR to Chikkagonigere
20	Road from Nelahonne Thanda to Nelehonne Andra Camp

GROUND WATER QUALITY WATER MONITORING



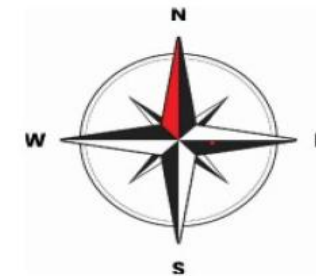
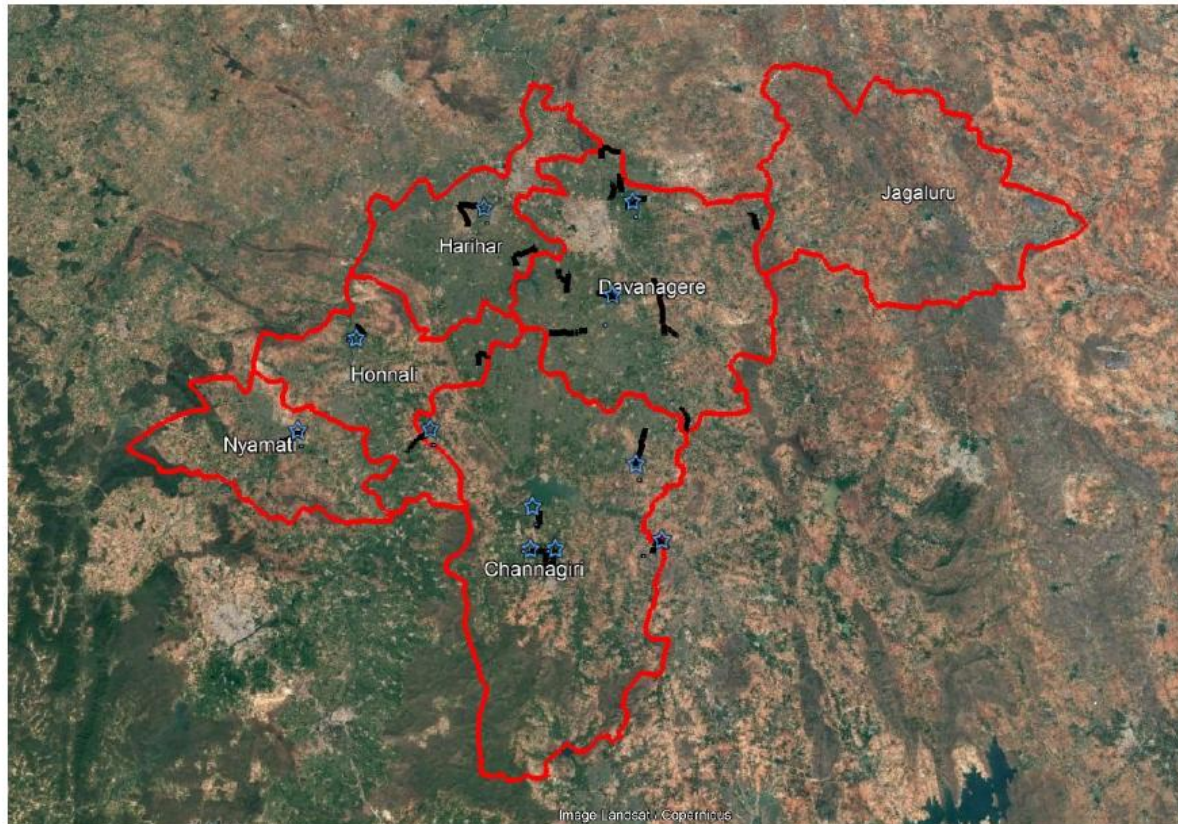
— Category B Road

**Ground water quality
monitoring location**

Davangere Dist: Harihar,
Maykonda, Davangere,
Channagiri Honnali Taluka

DPR Consultants:
KATCON CONSULTANTS

SURFACE WATER QUALITY WATER MONITORING



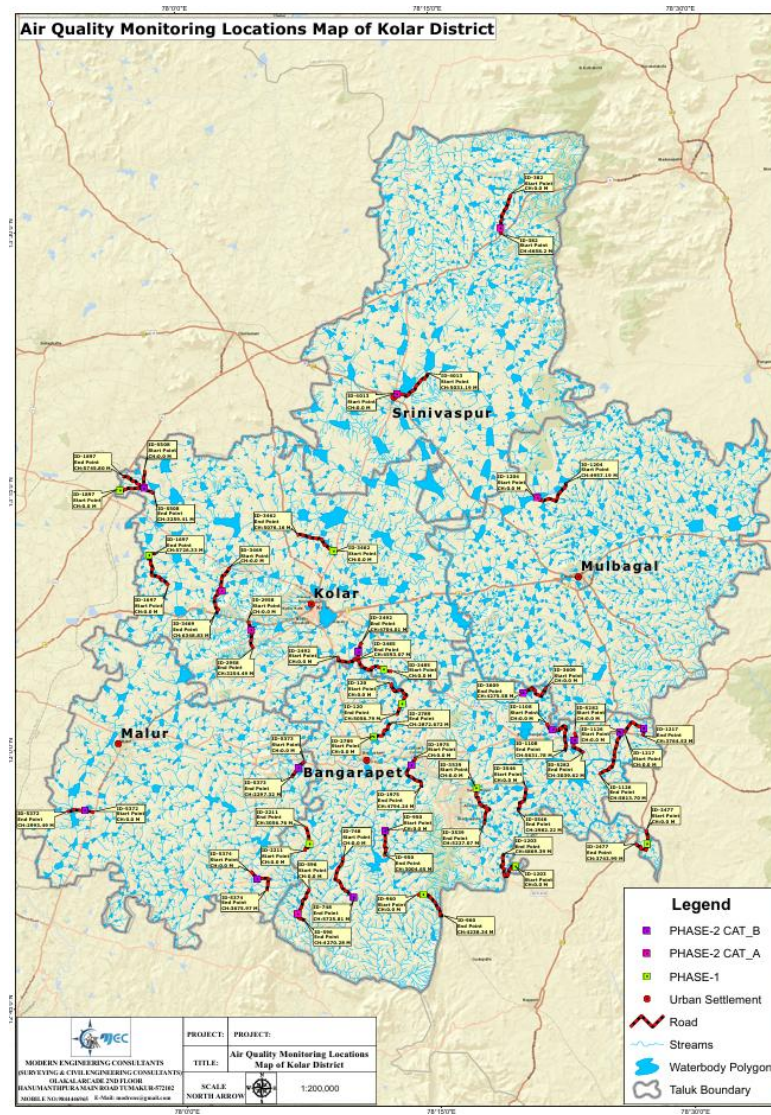
— Category B Road

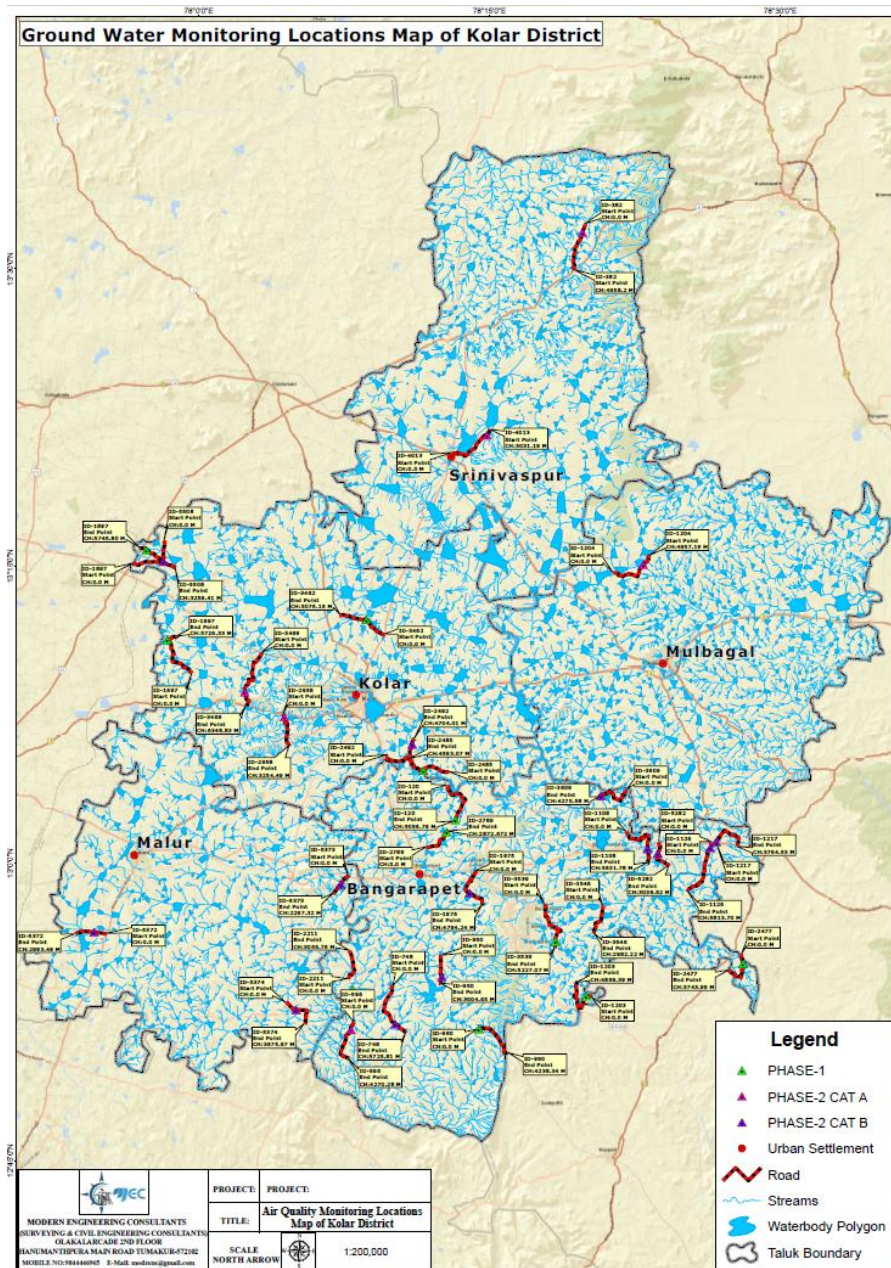
**★ Surface water
quality monitoring location**

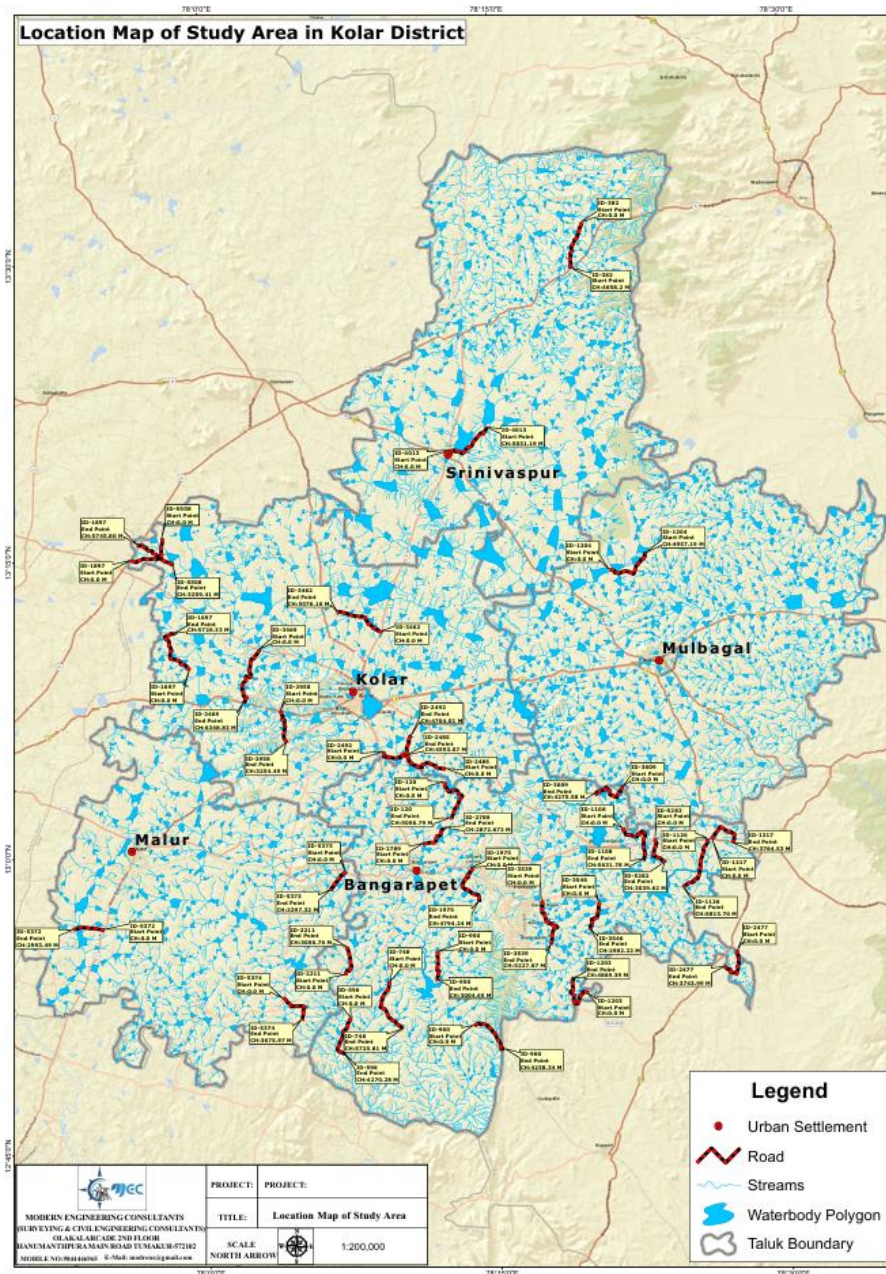
Davangere Dist: Harihar,
Maykonda, Davangere,
Channagiri Honnali Taluka

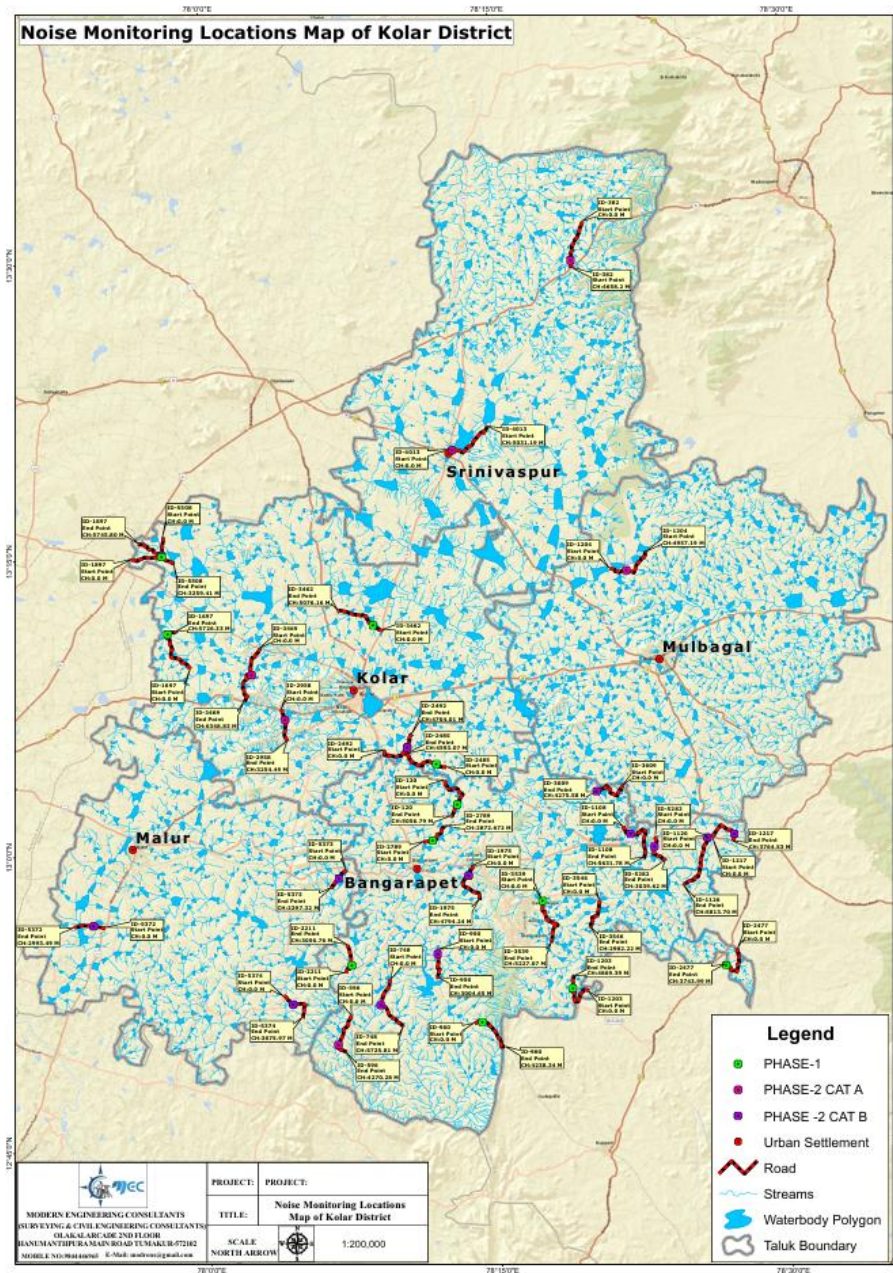
DPR Consultants:
KATCON CONSULTANTS

Kolar District

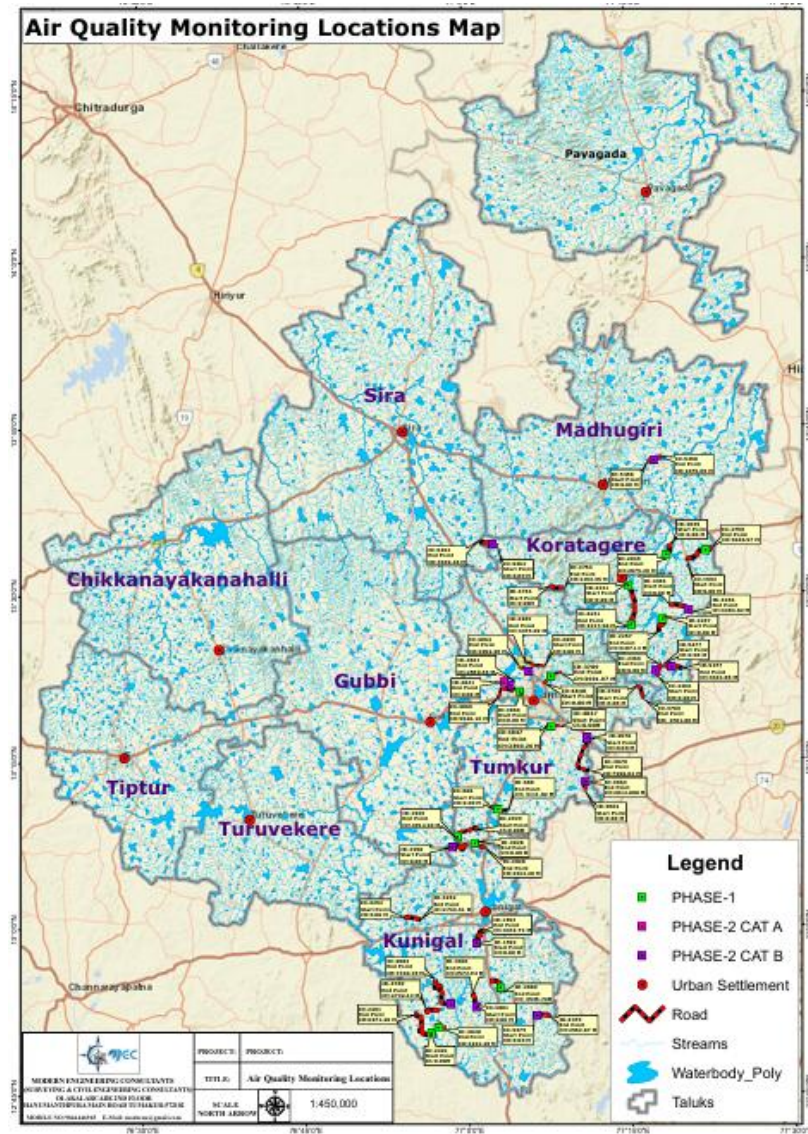


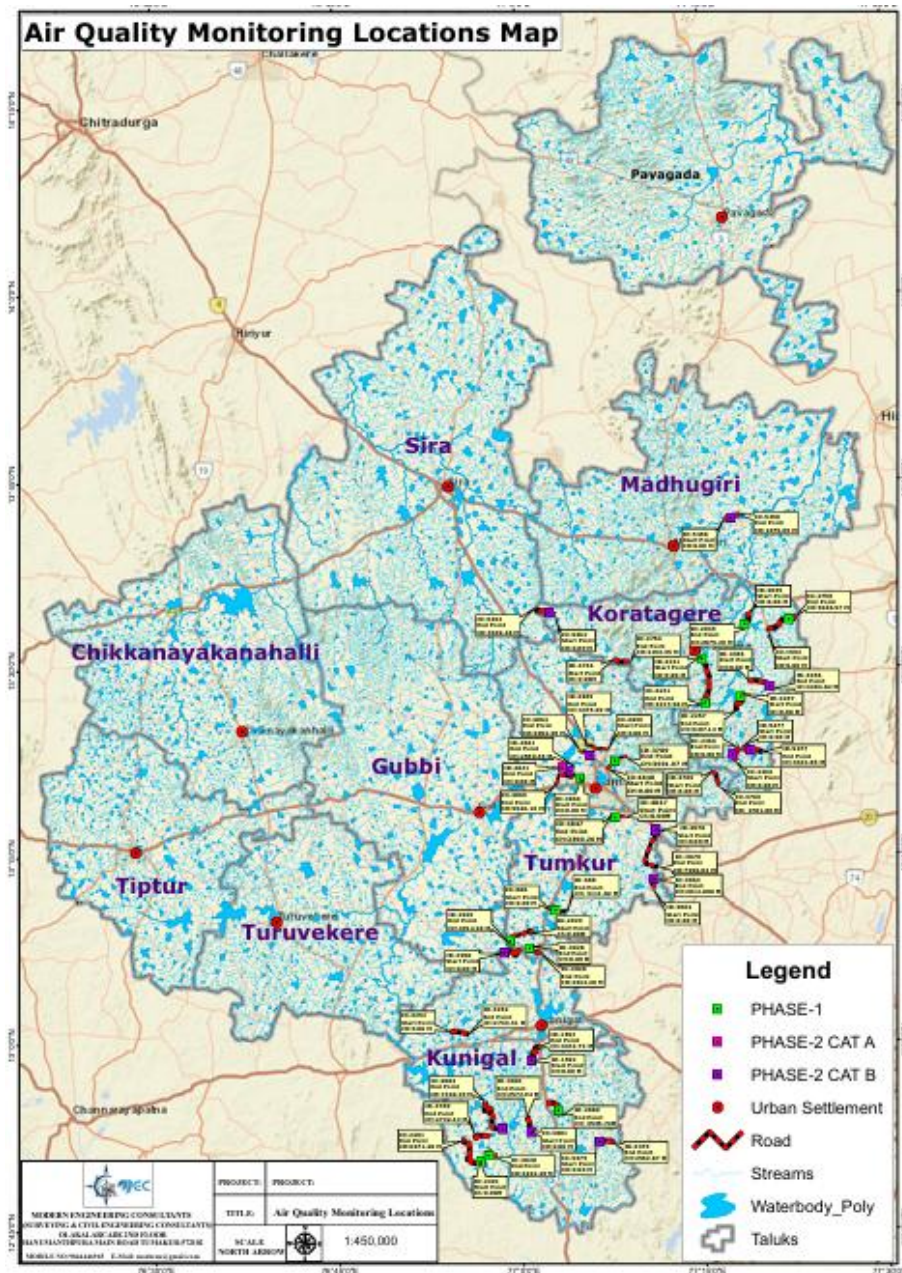


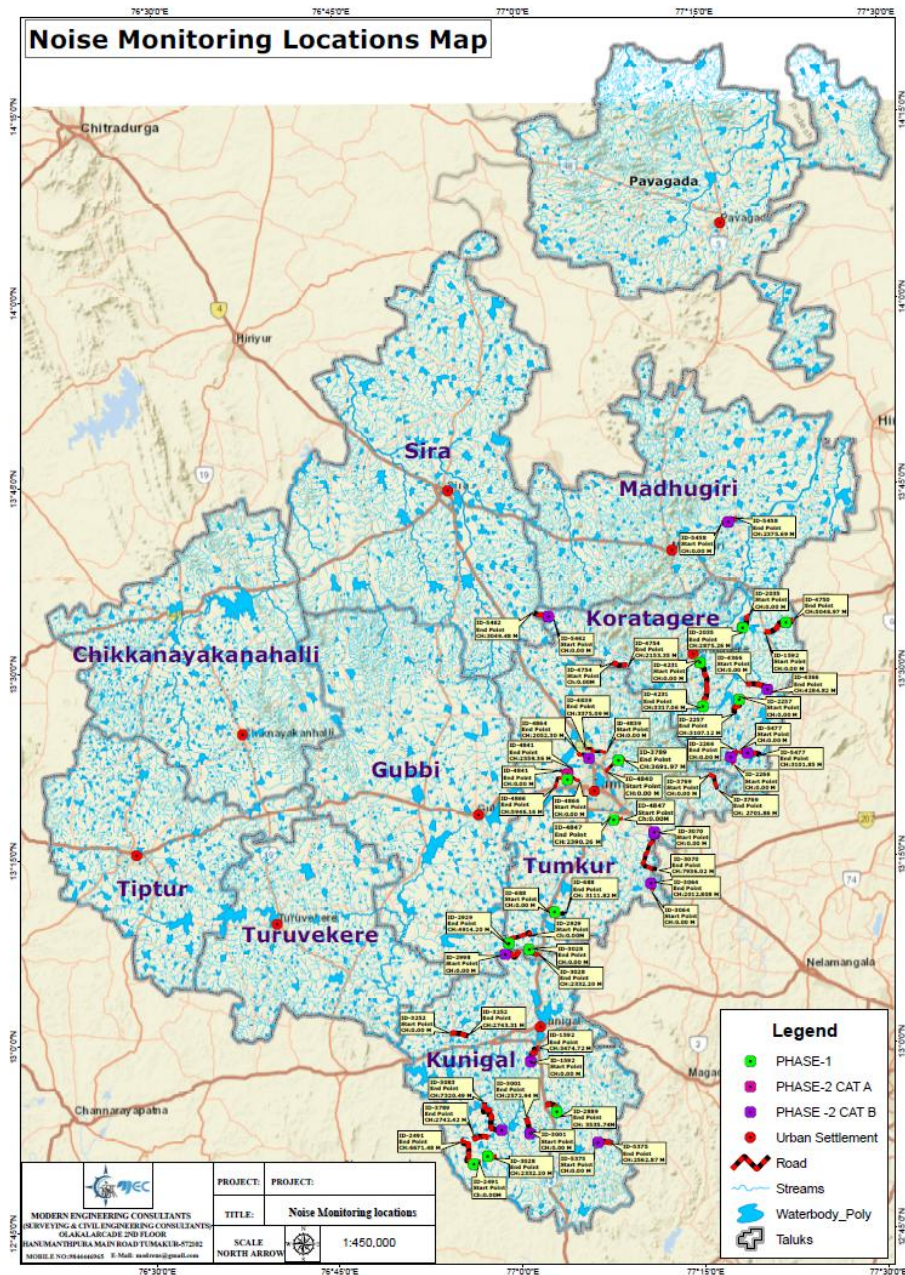


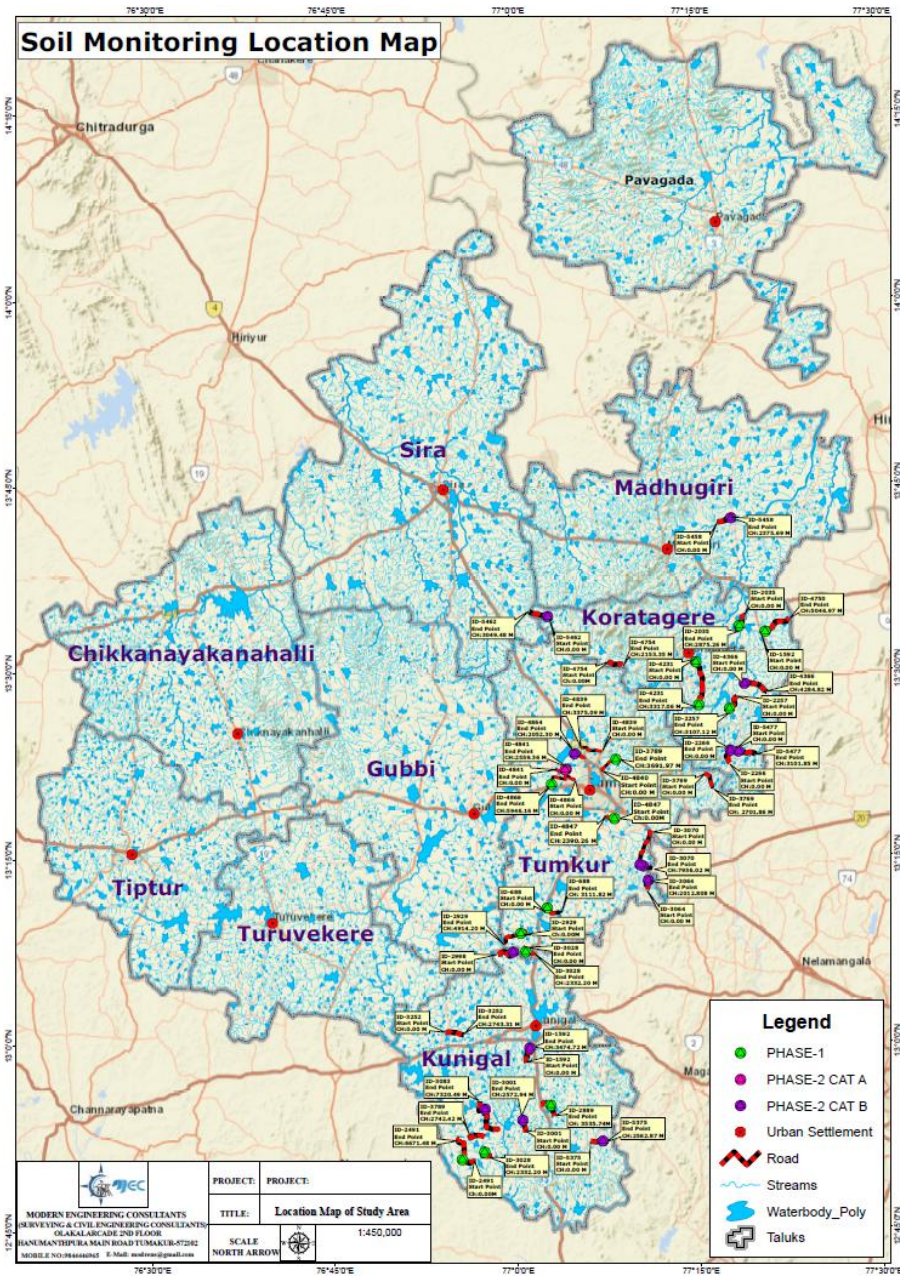


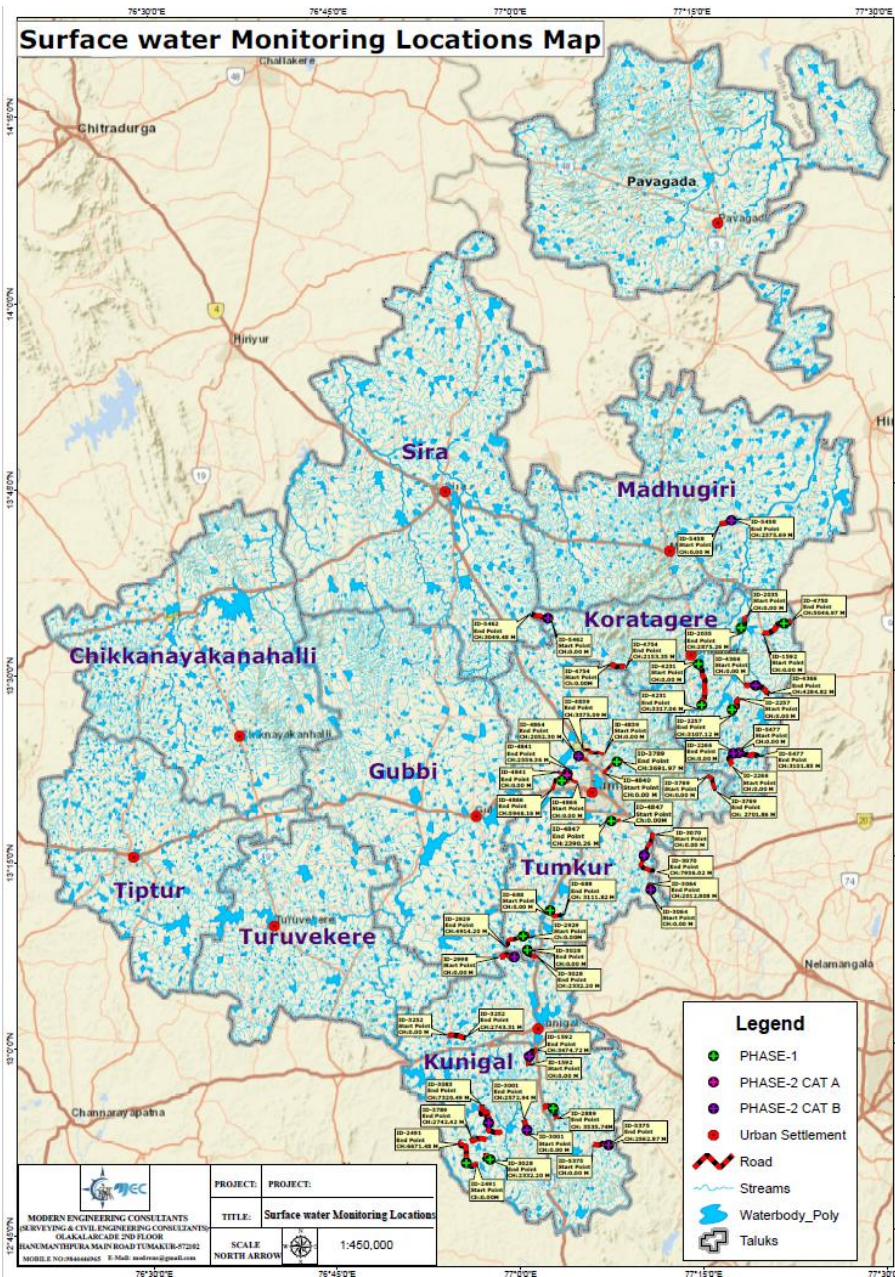
Tumkur District

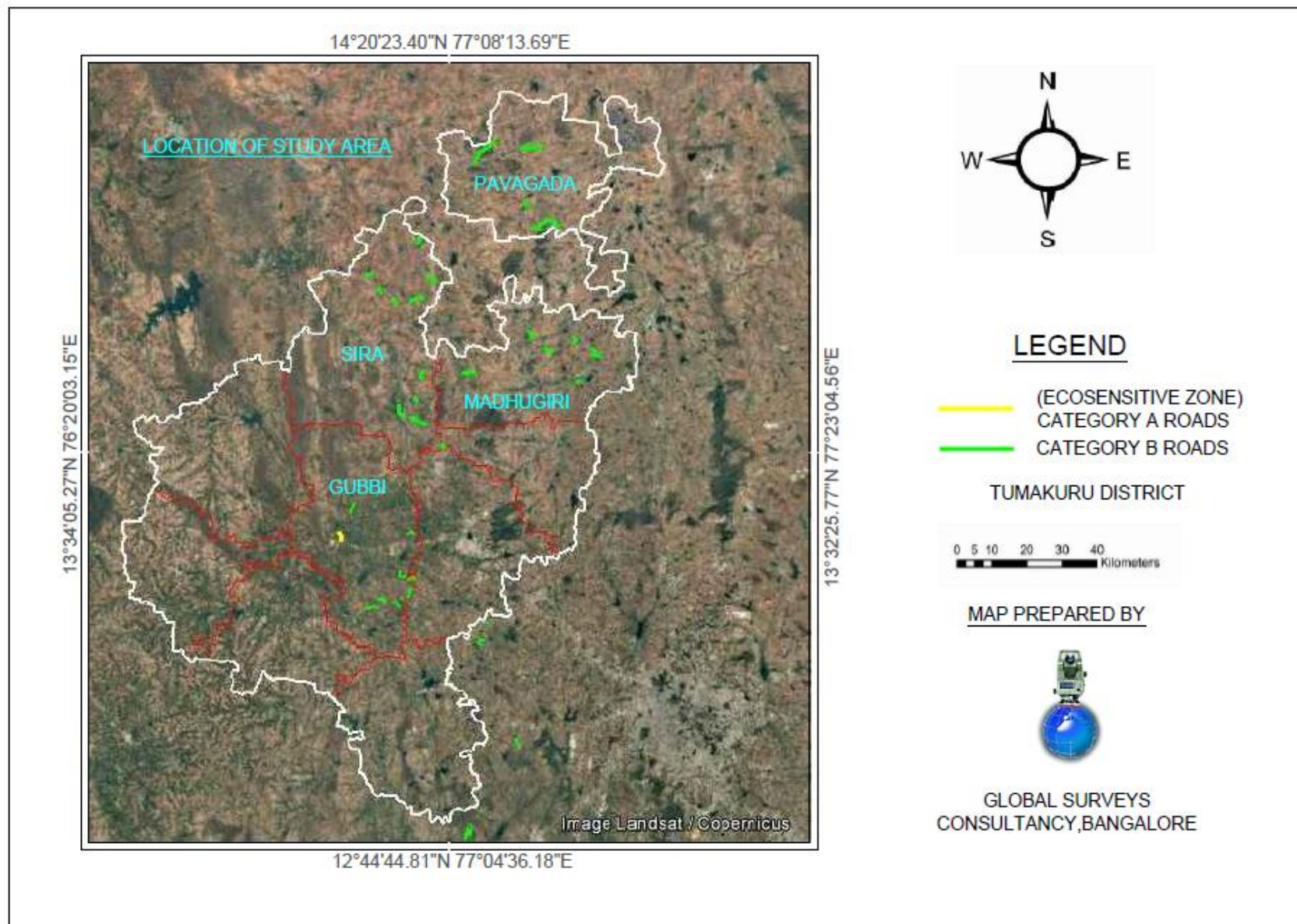


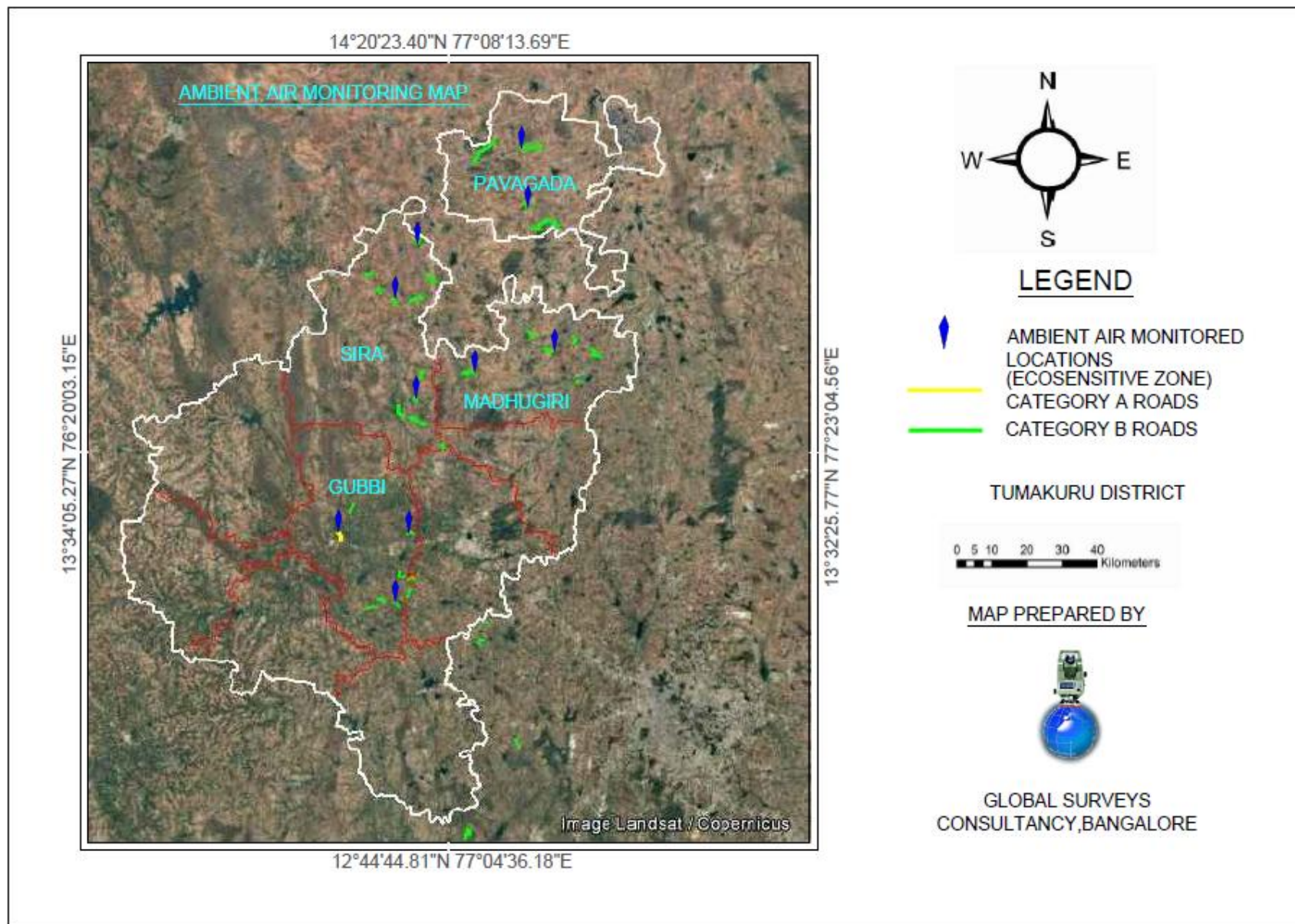


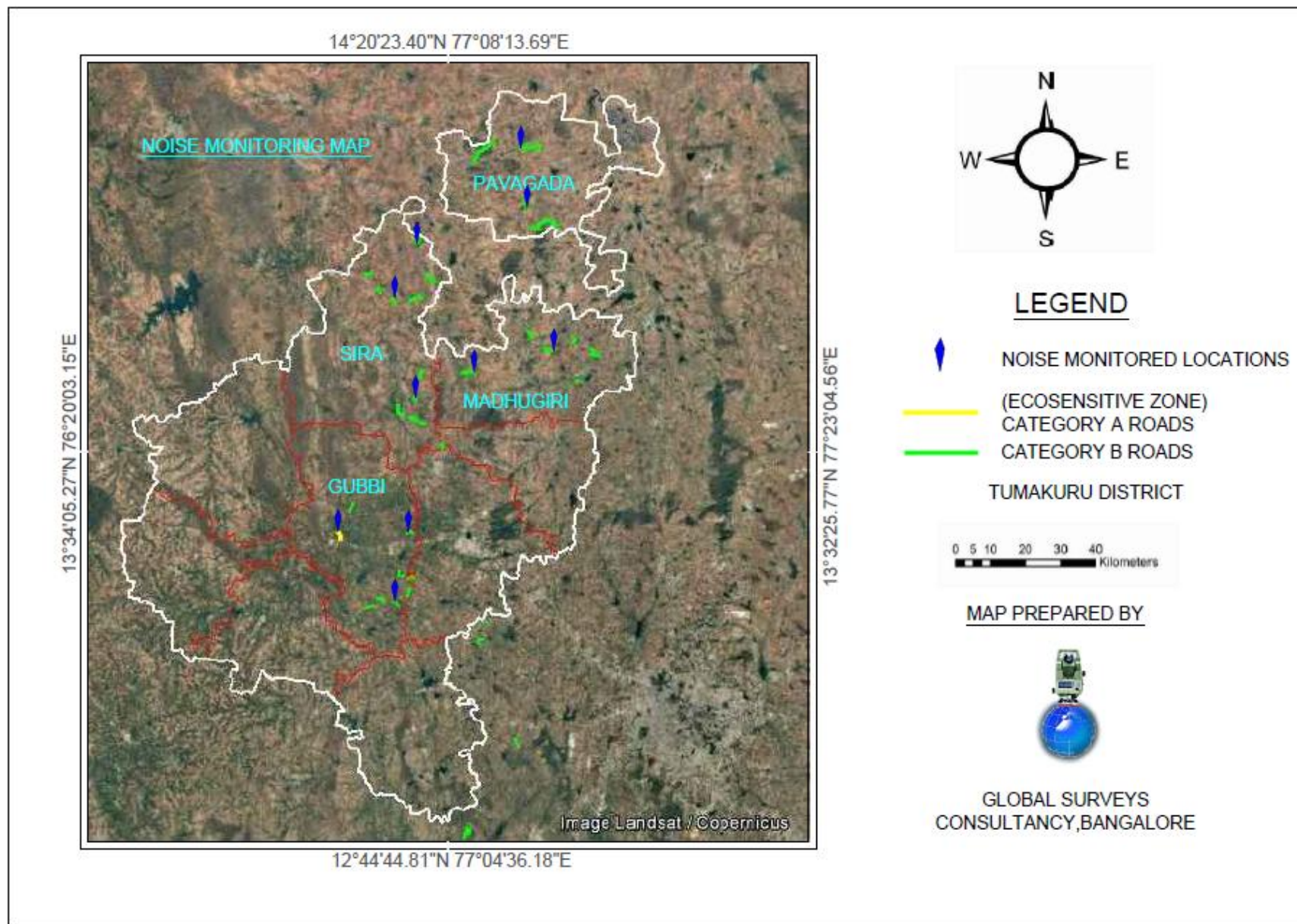




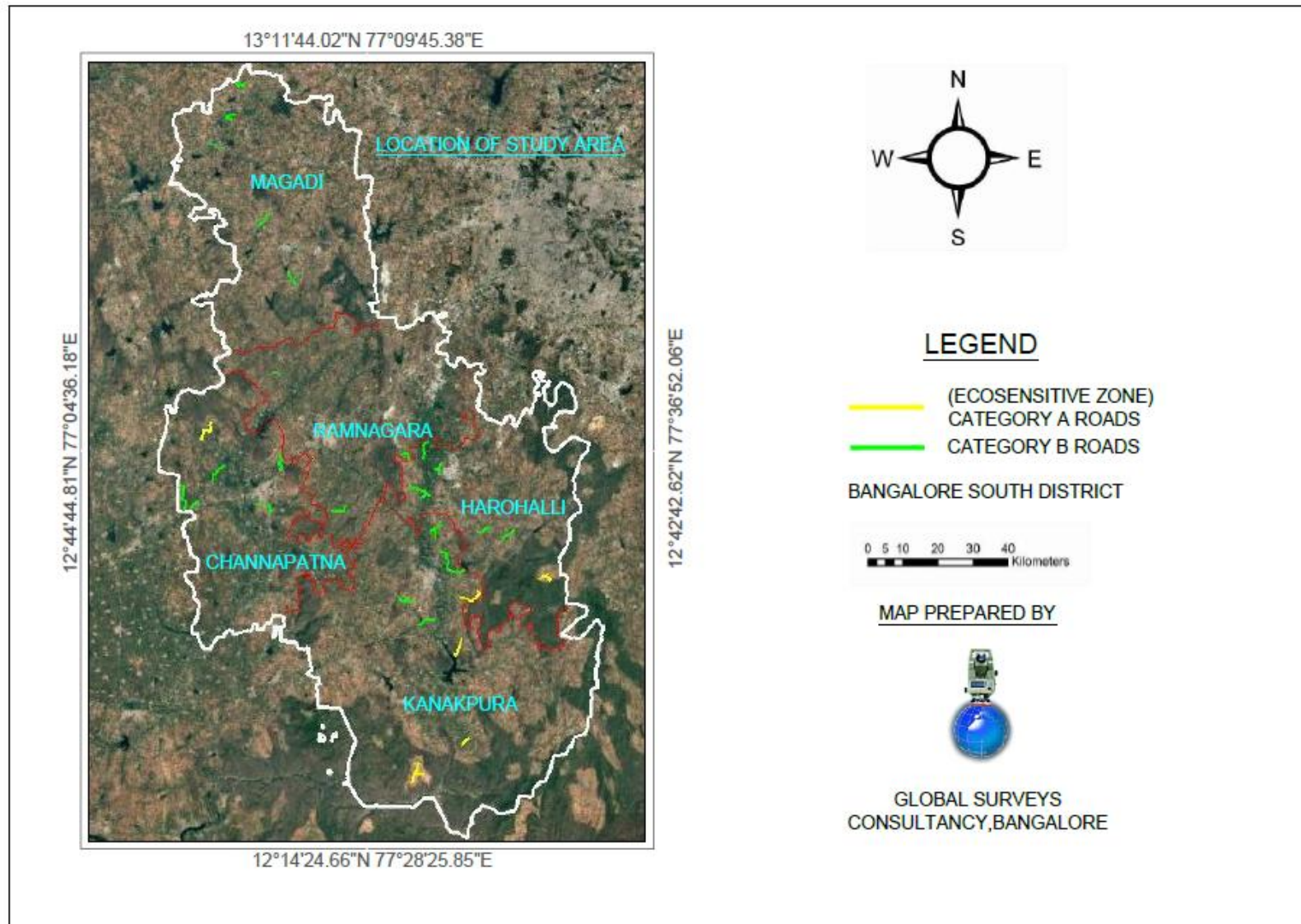


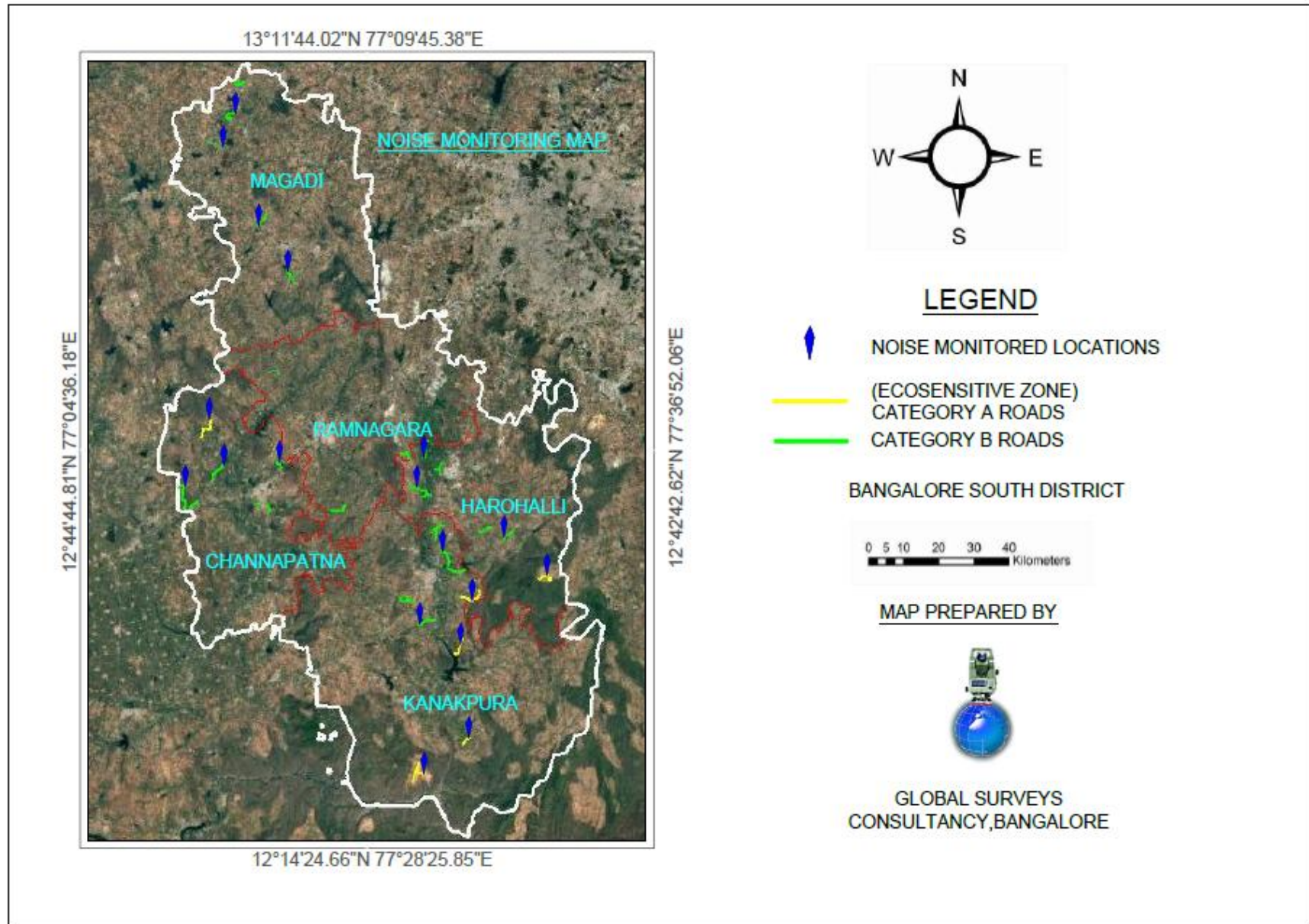


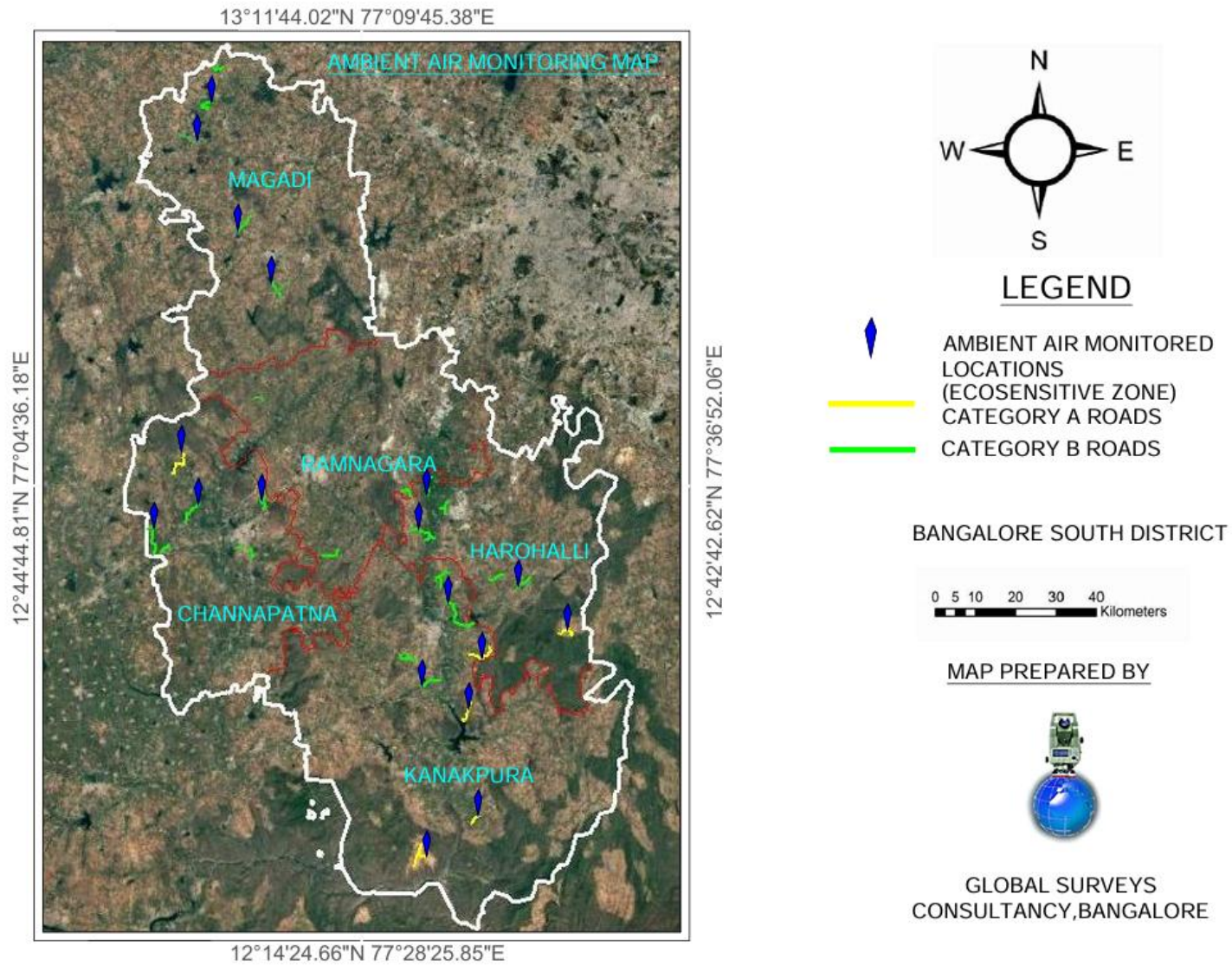




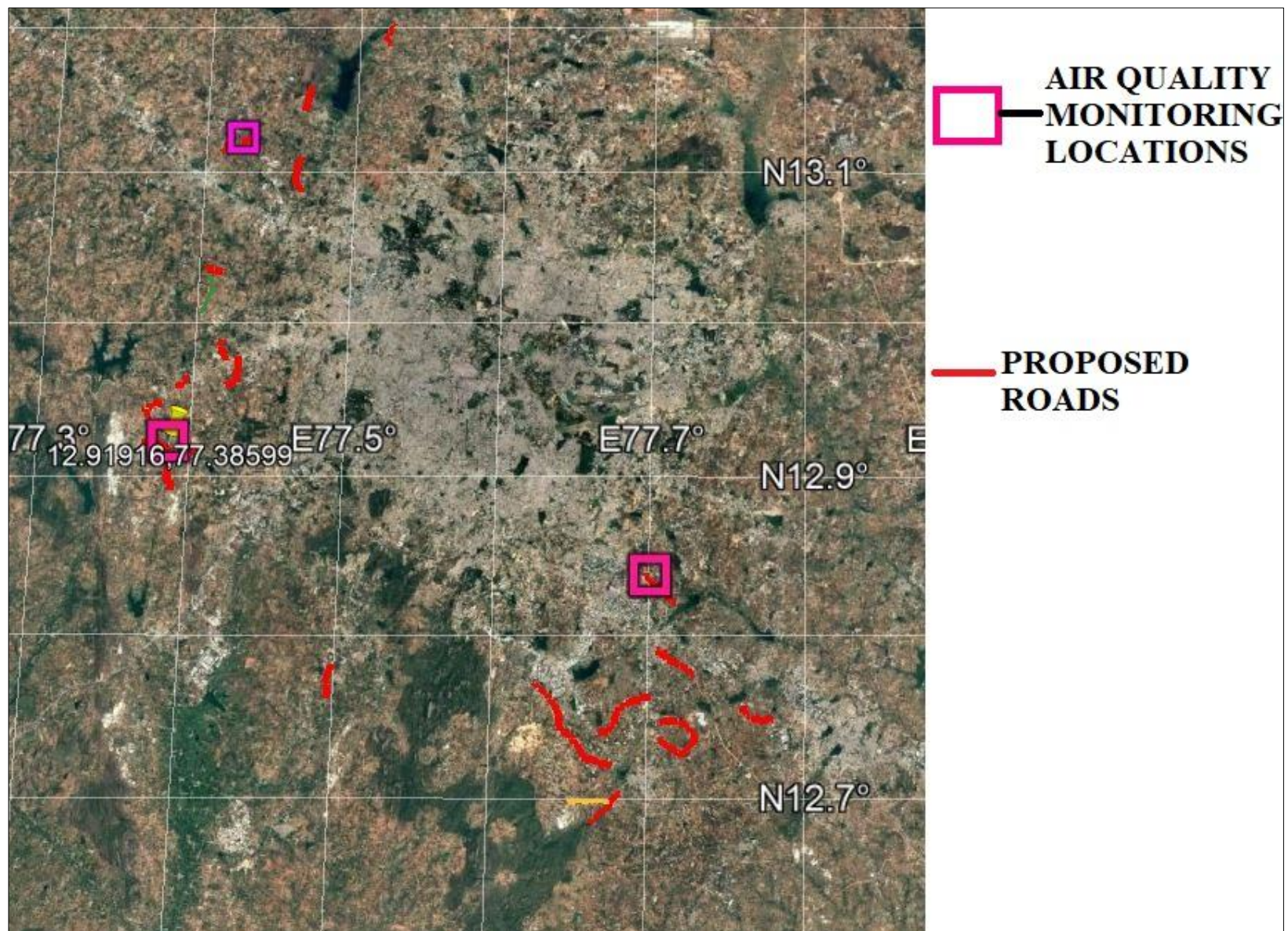
Bengaluru District

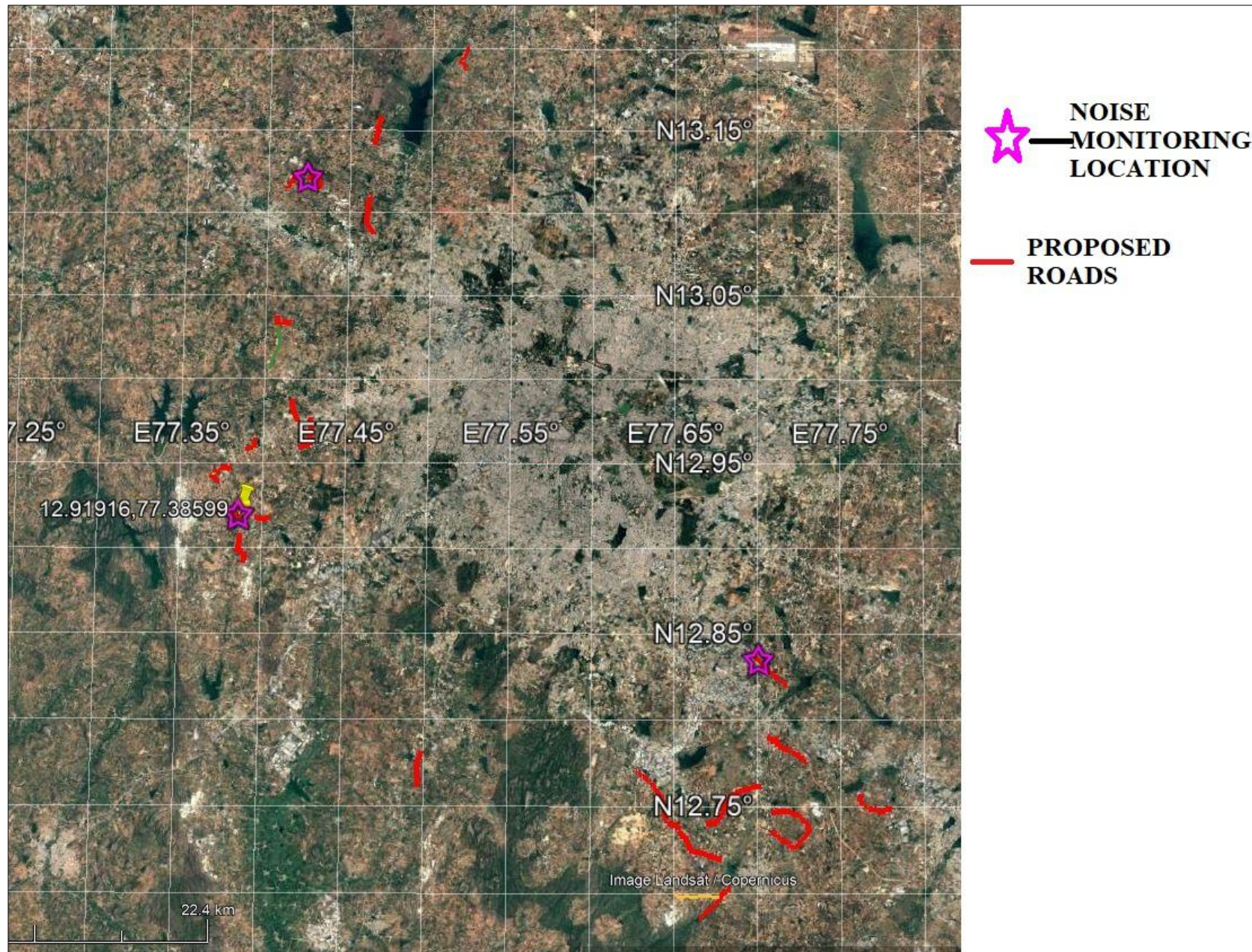


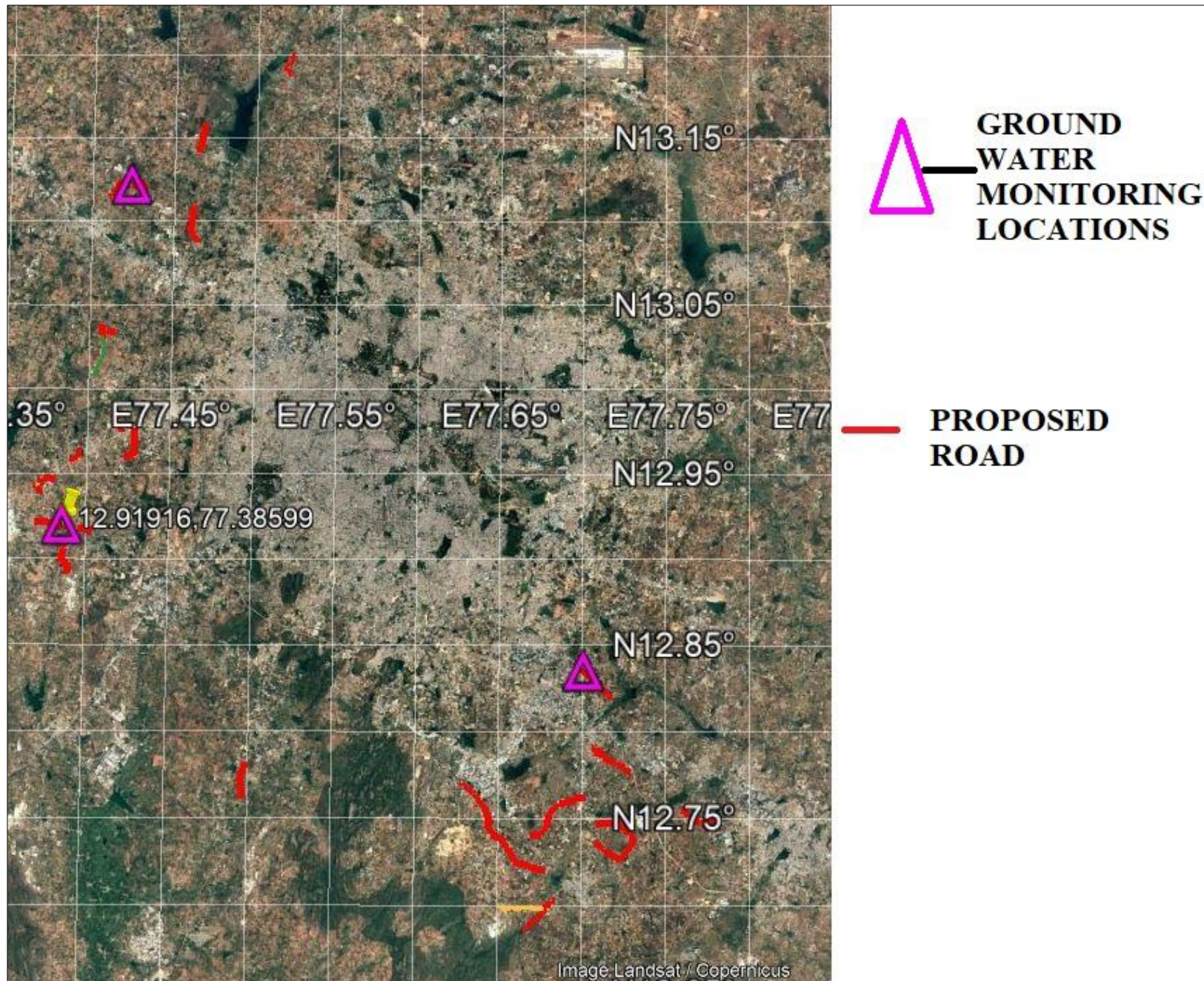


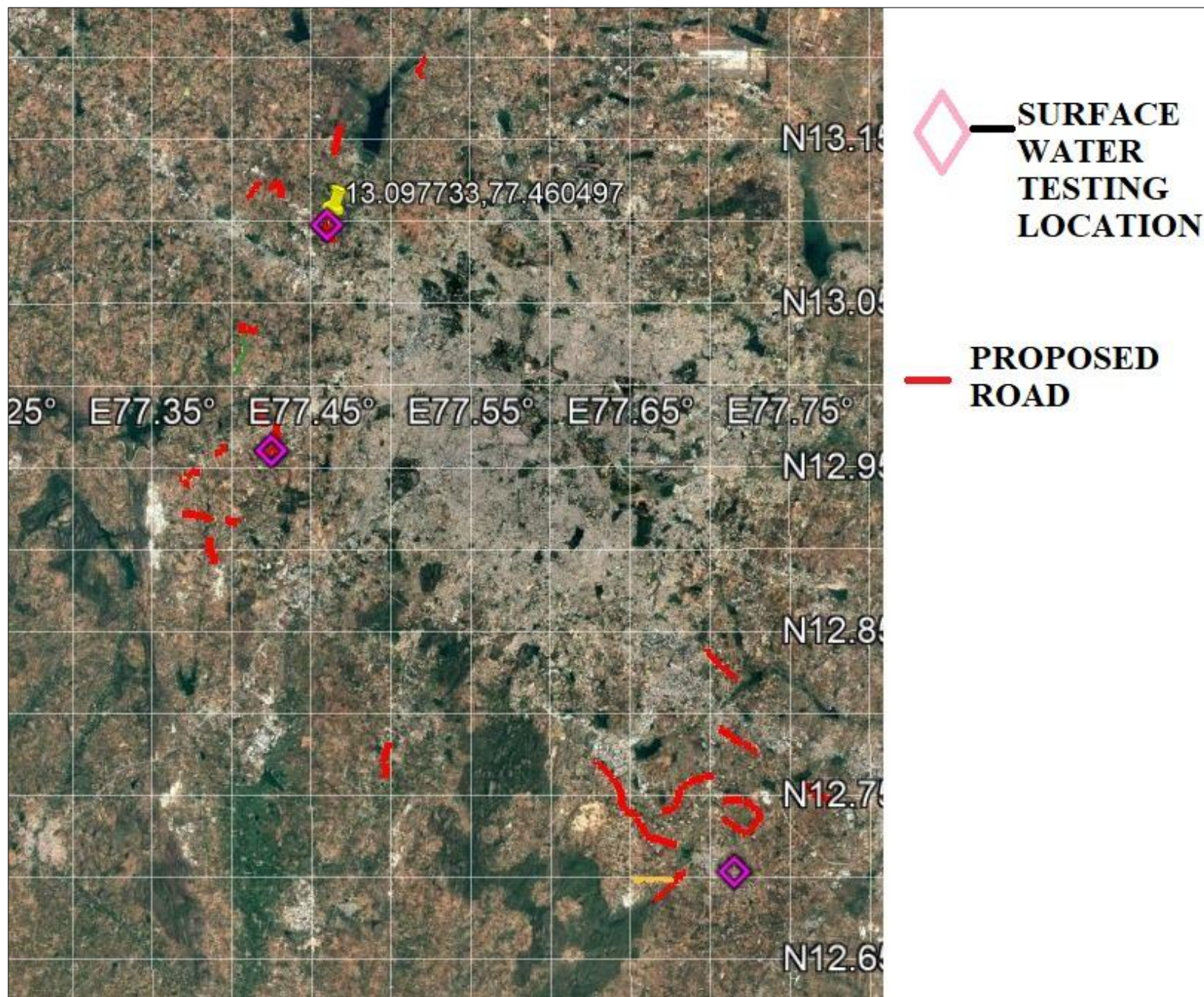


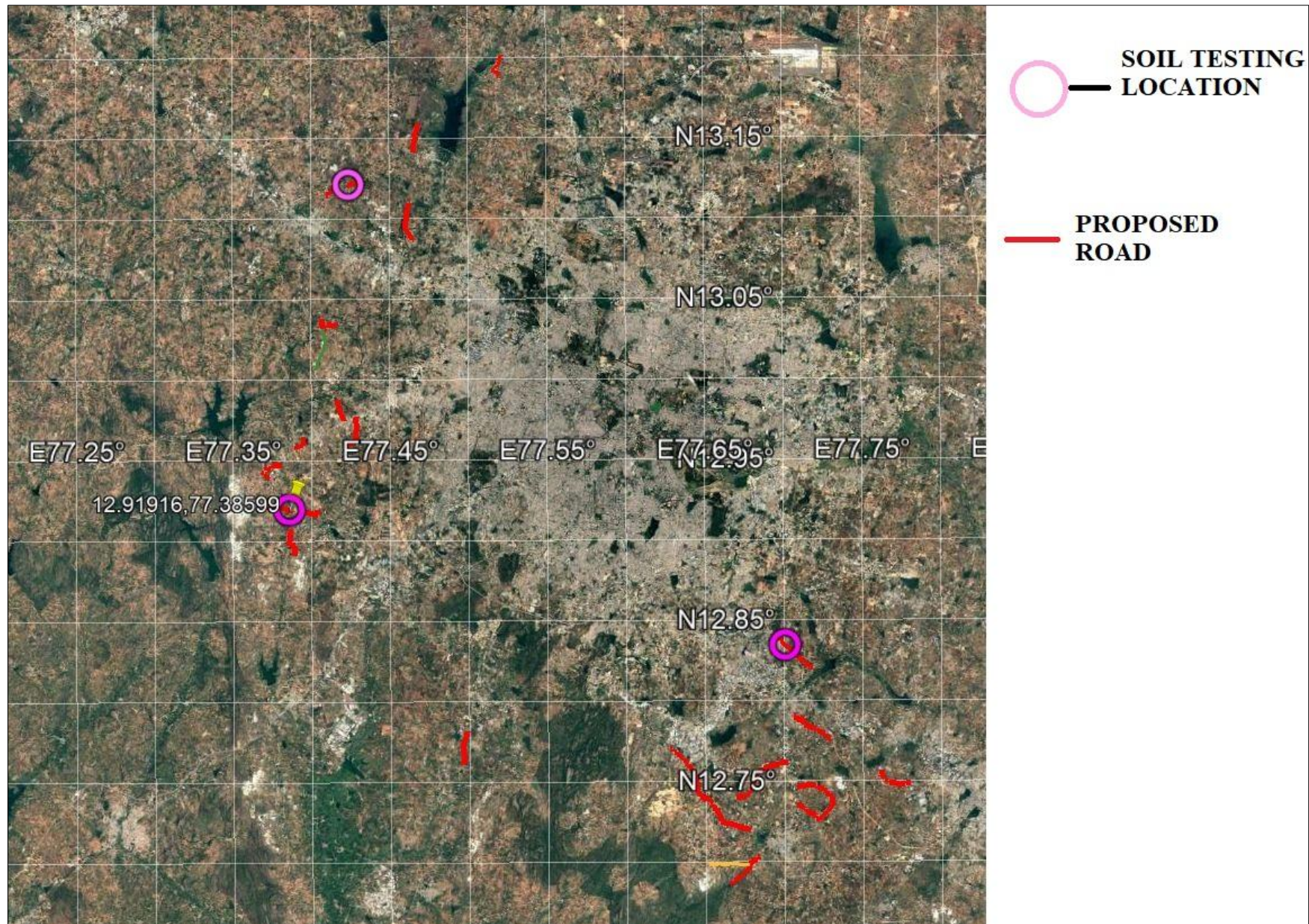


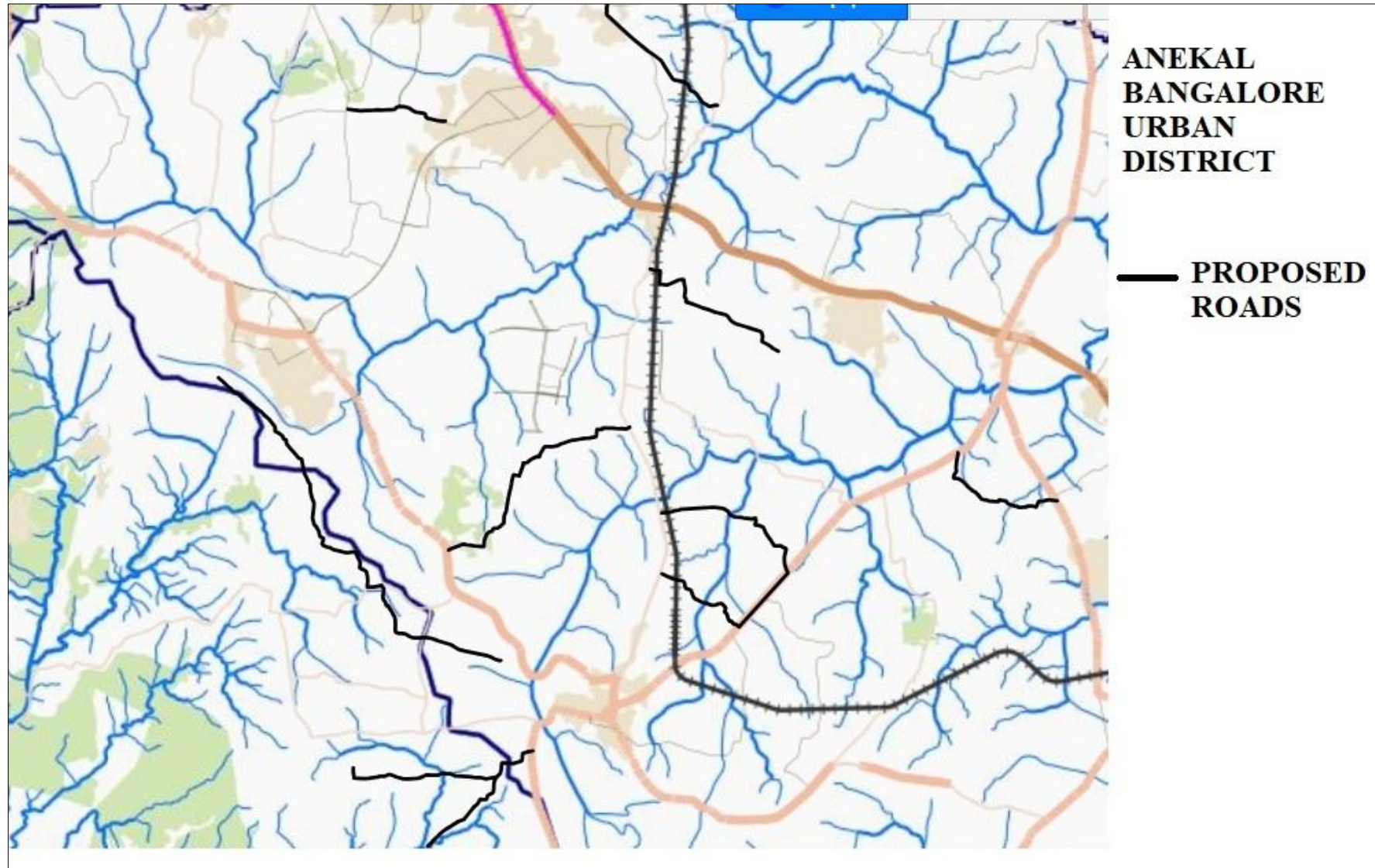


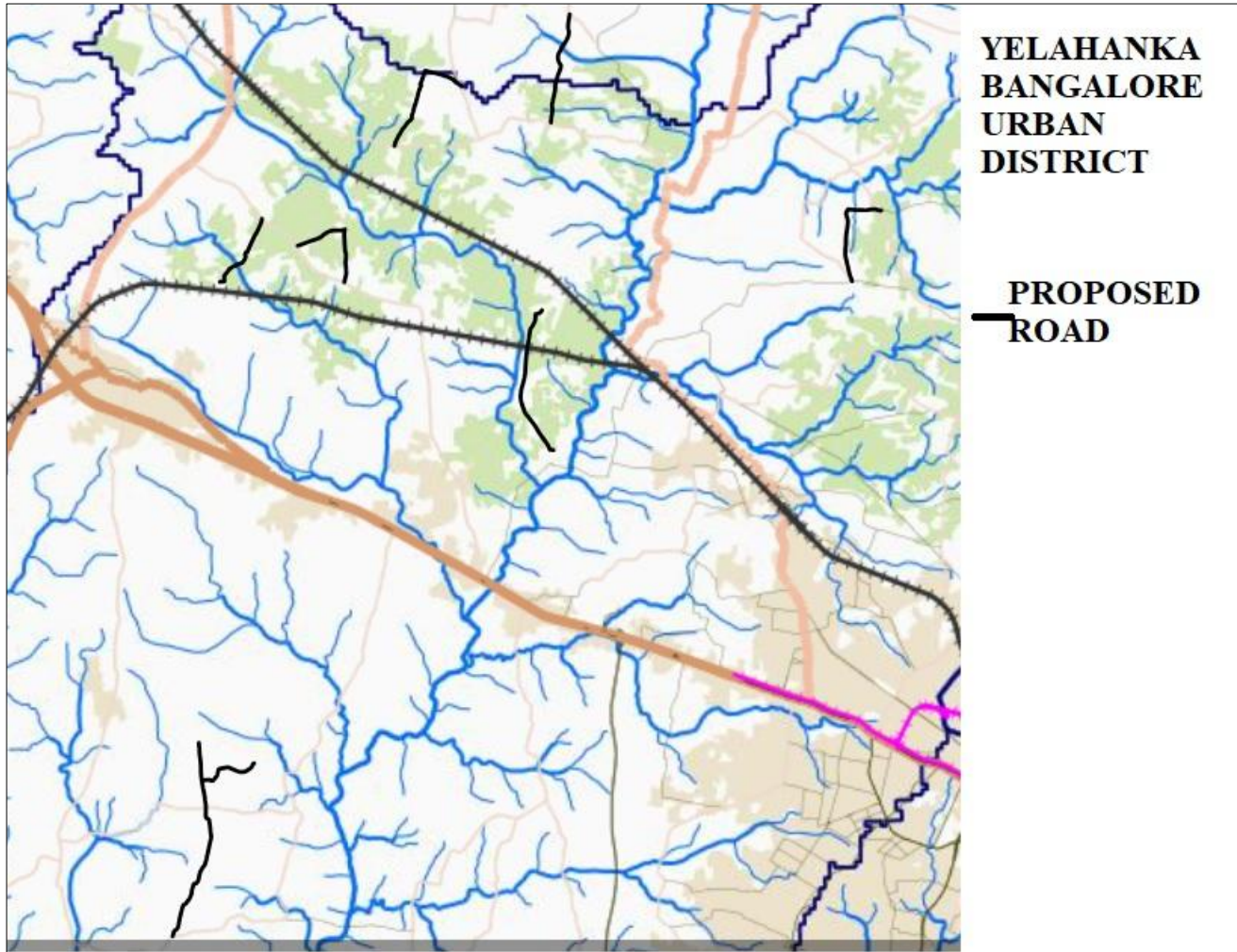


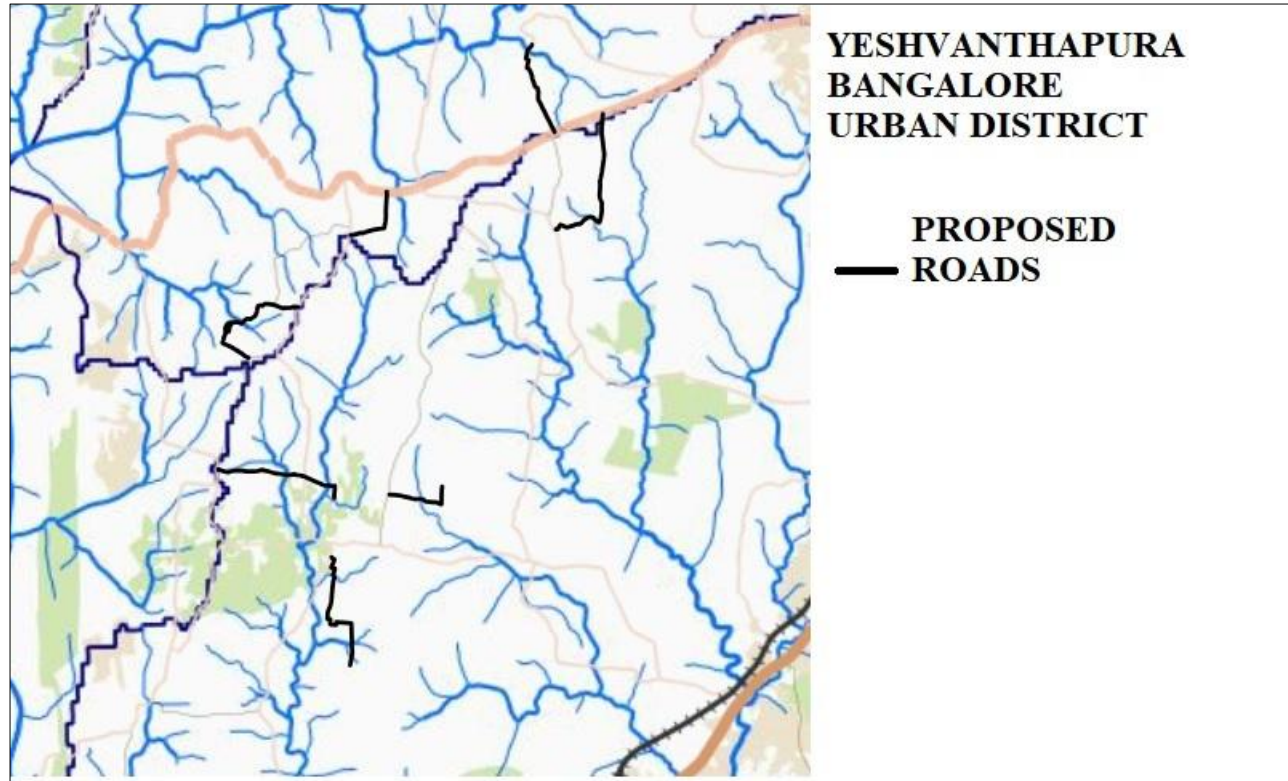




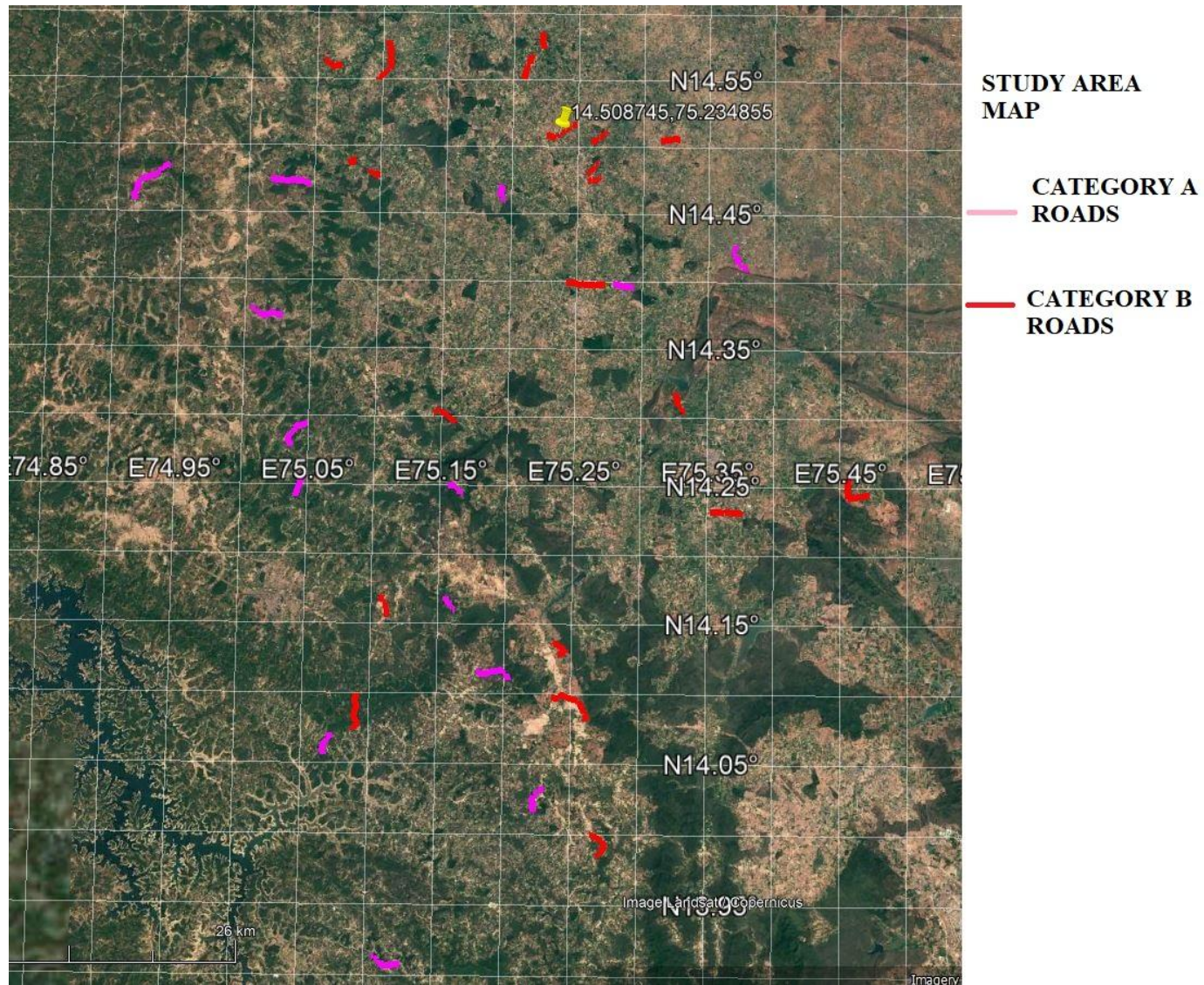


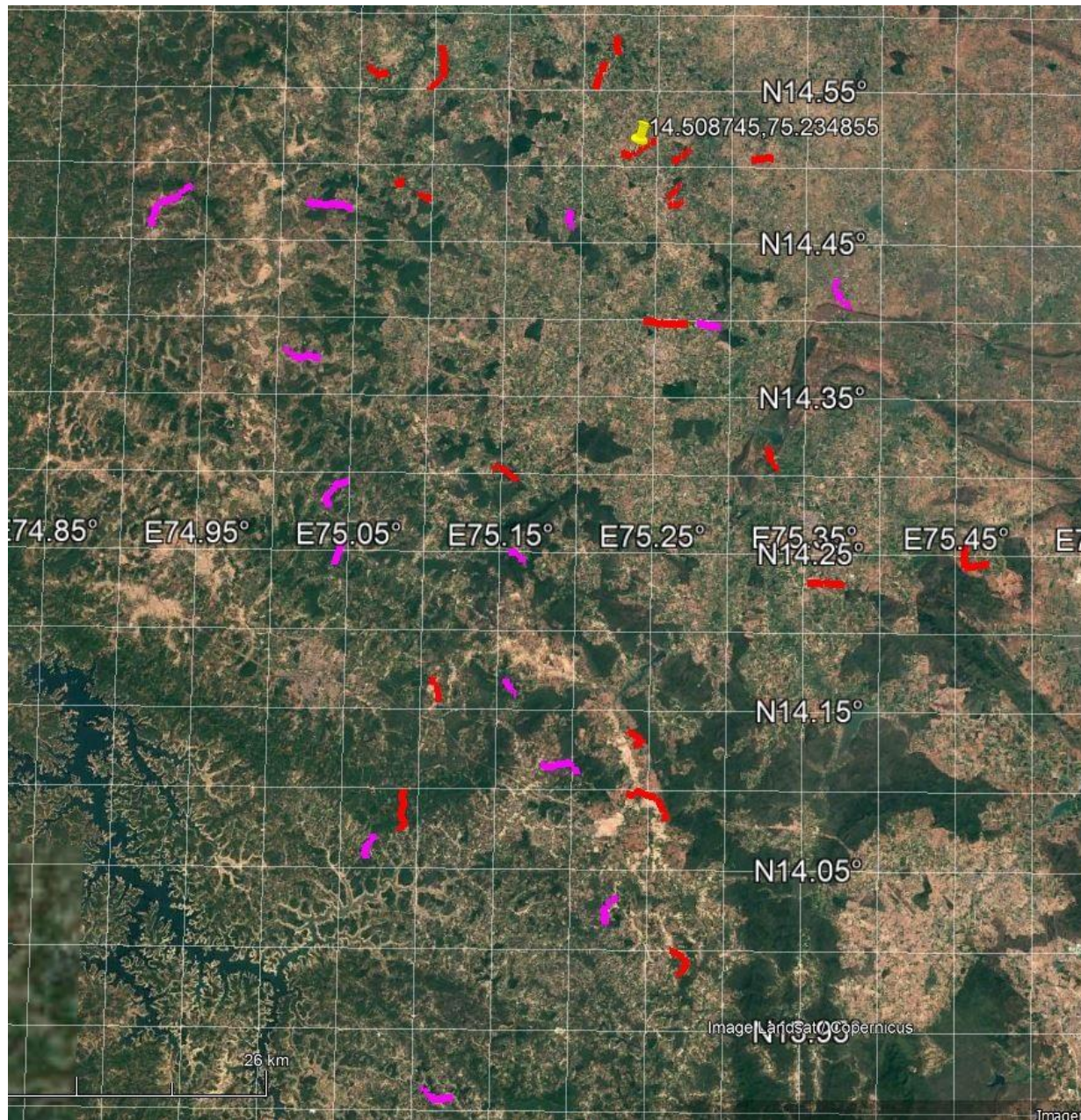






Shimoga District

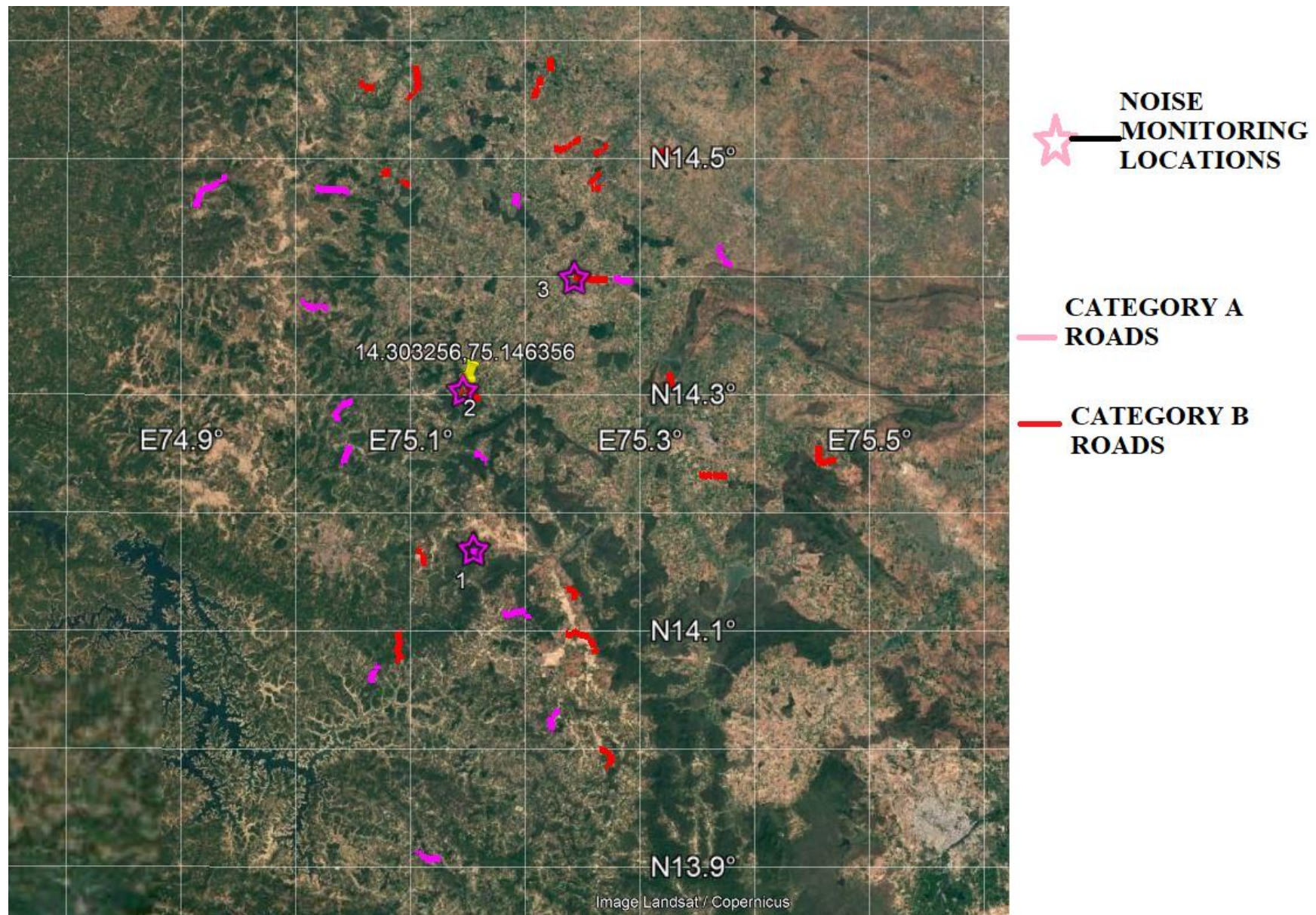


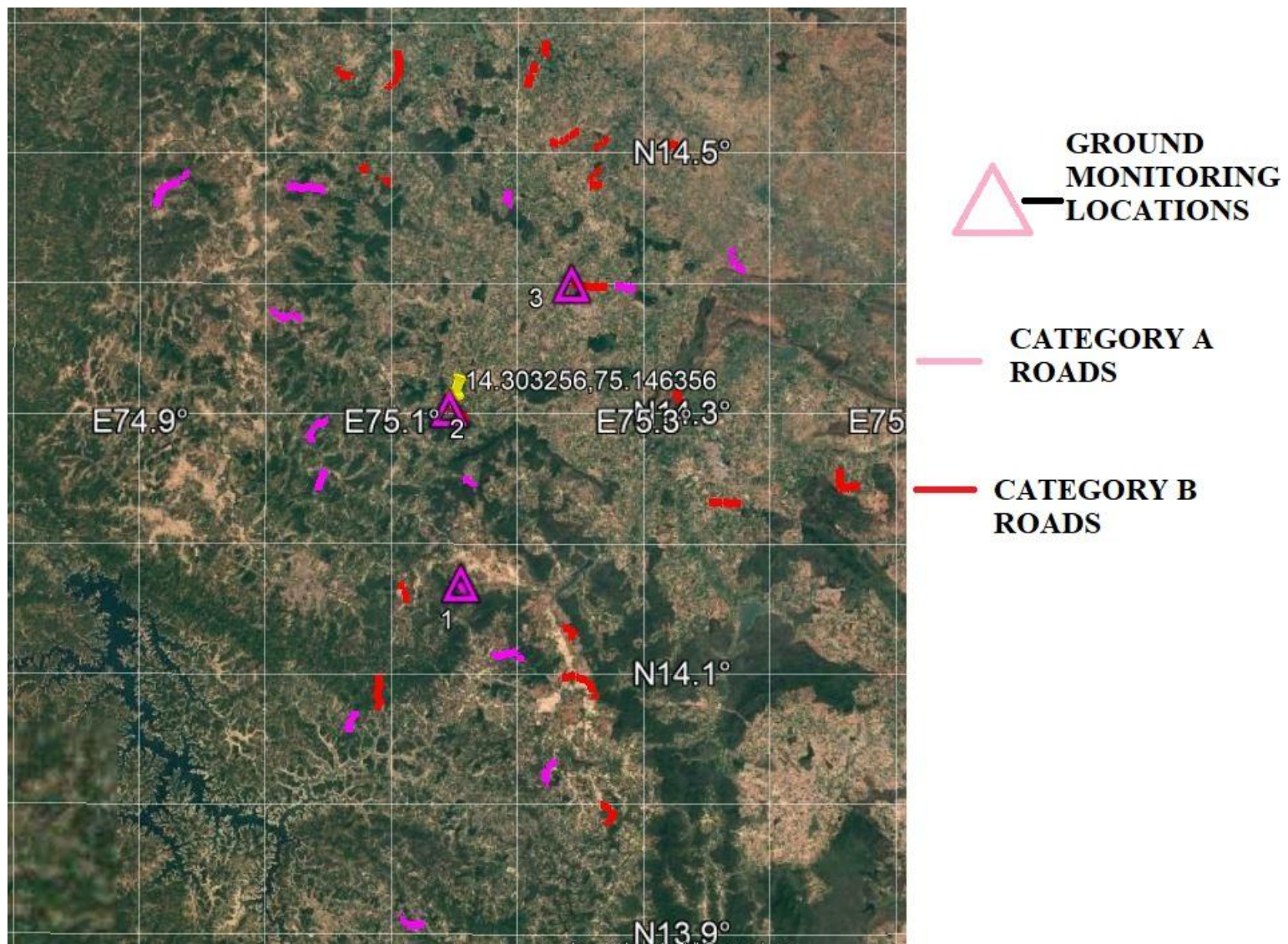


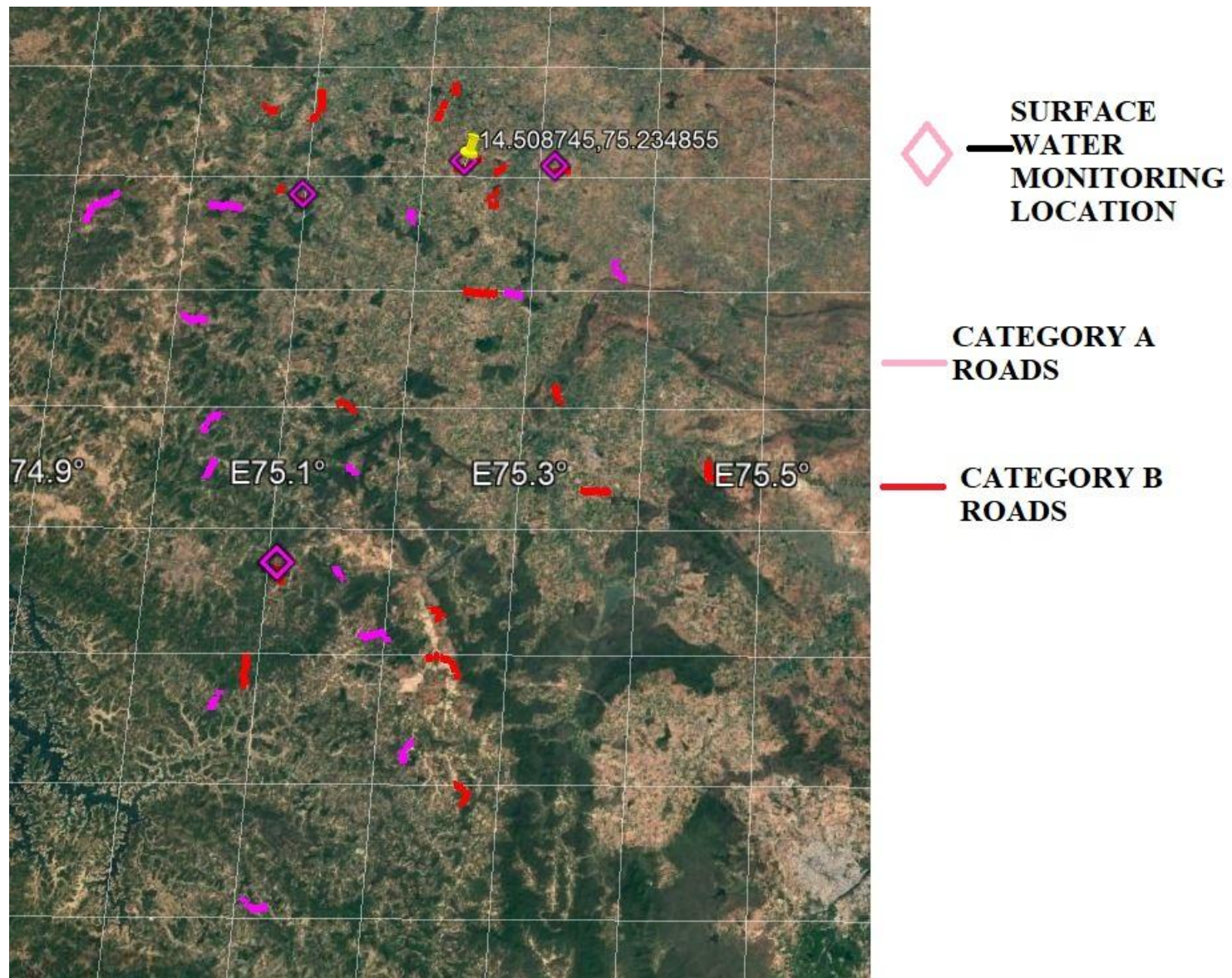
**STUDY AREA
MAP**

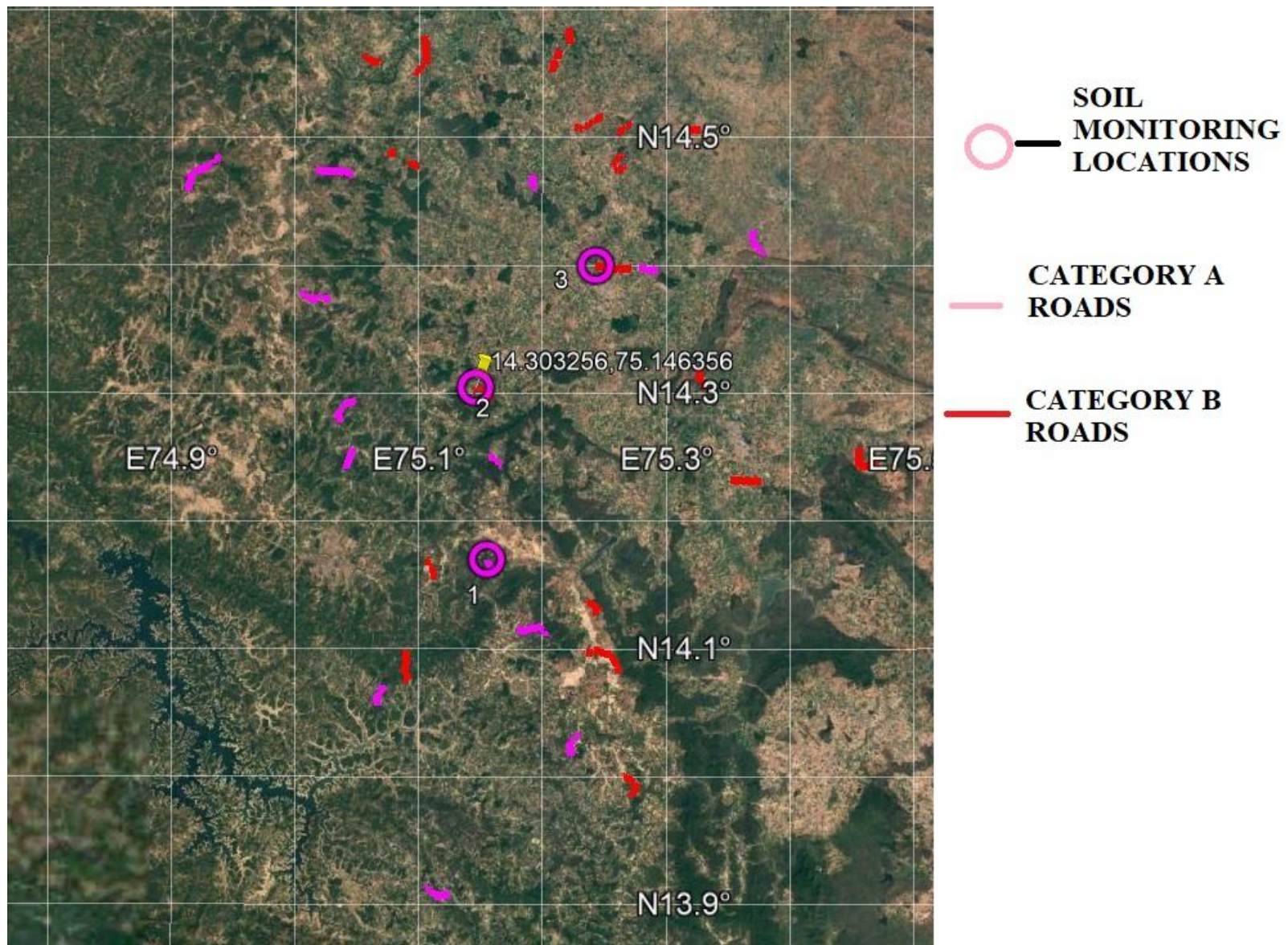
 **CATEGORY A
ROADS**

 **CATEGORY B
ROADS**

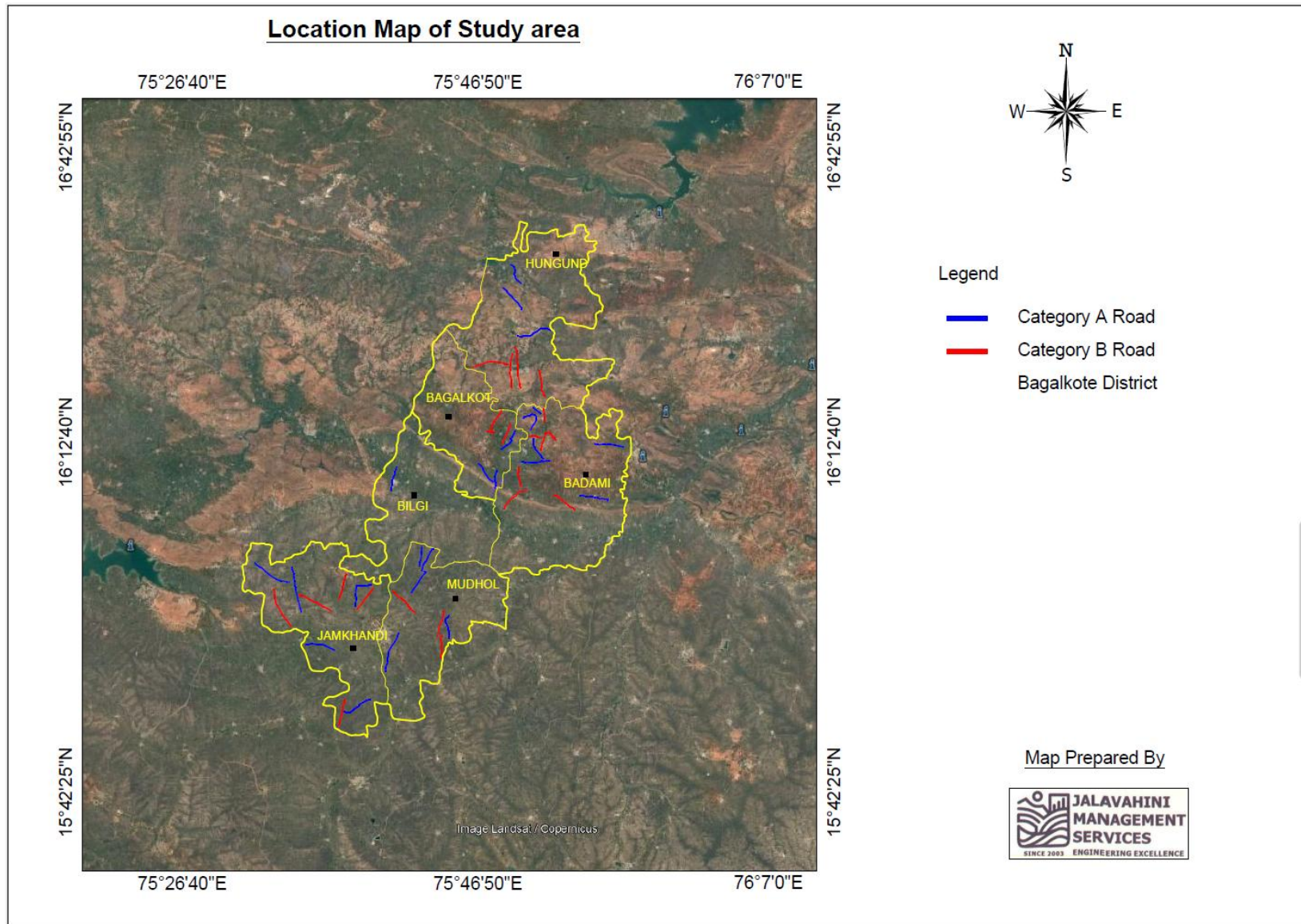




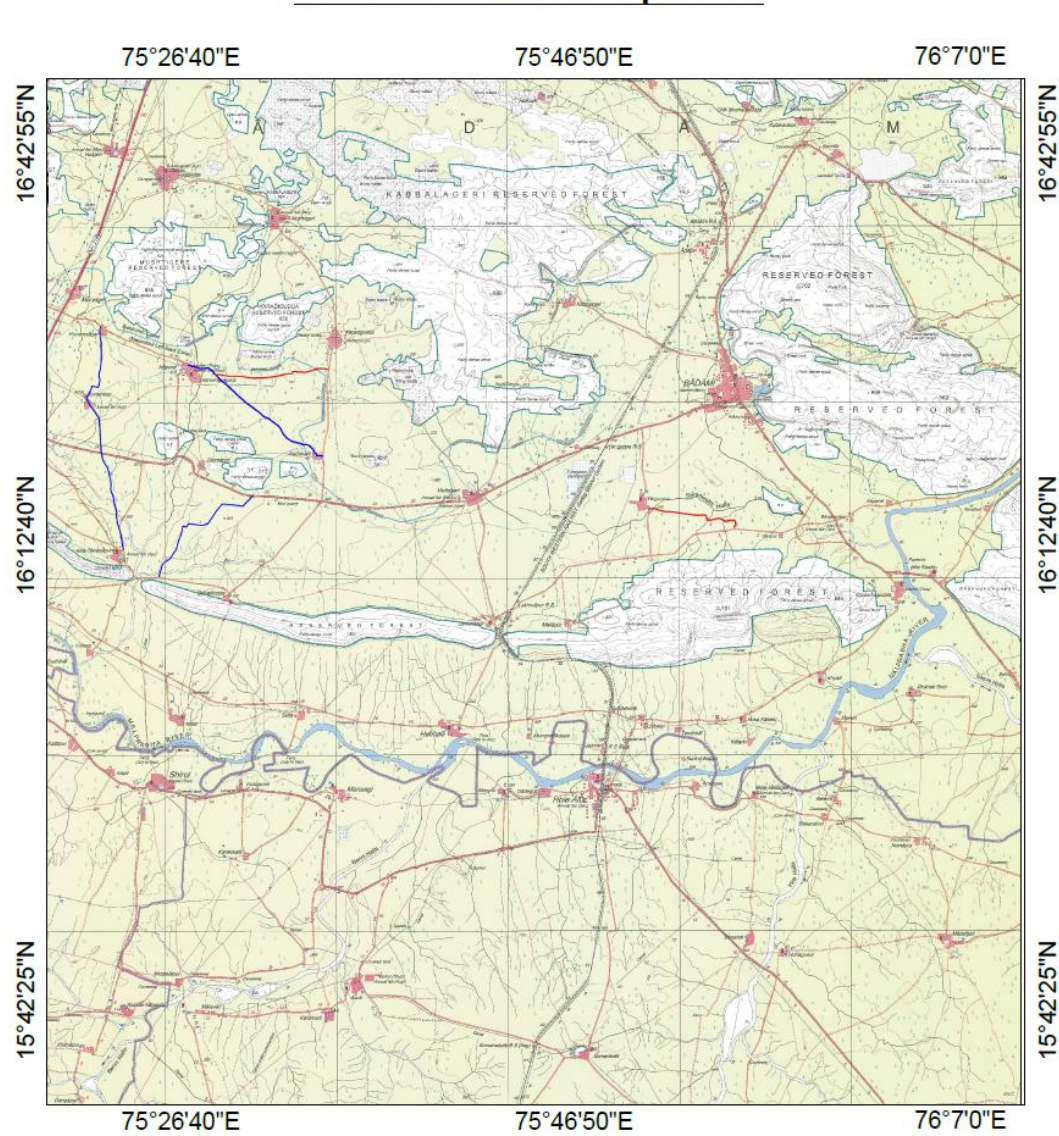




Bagalkot District



Roads Indicated On Toposheet



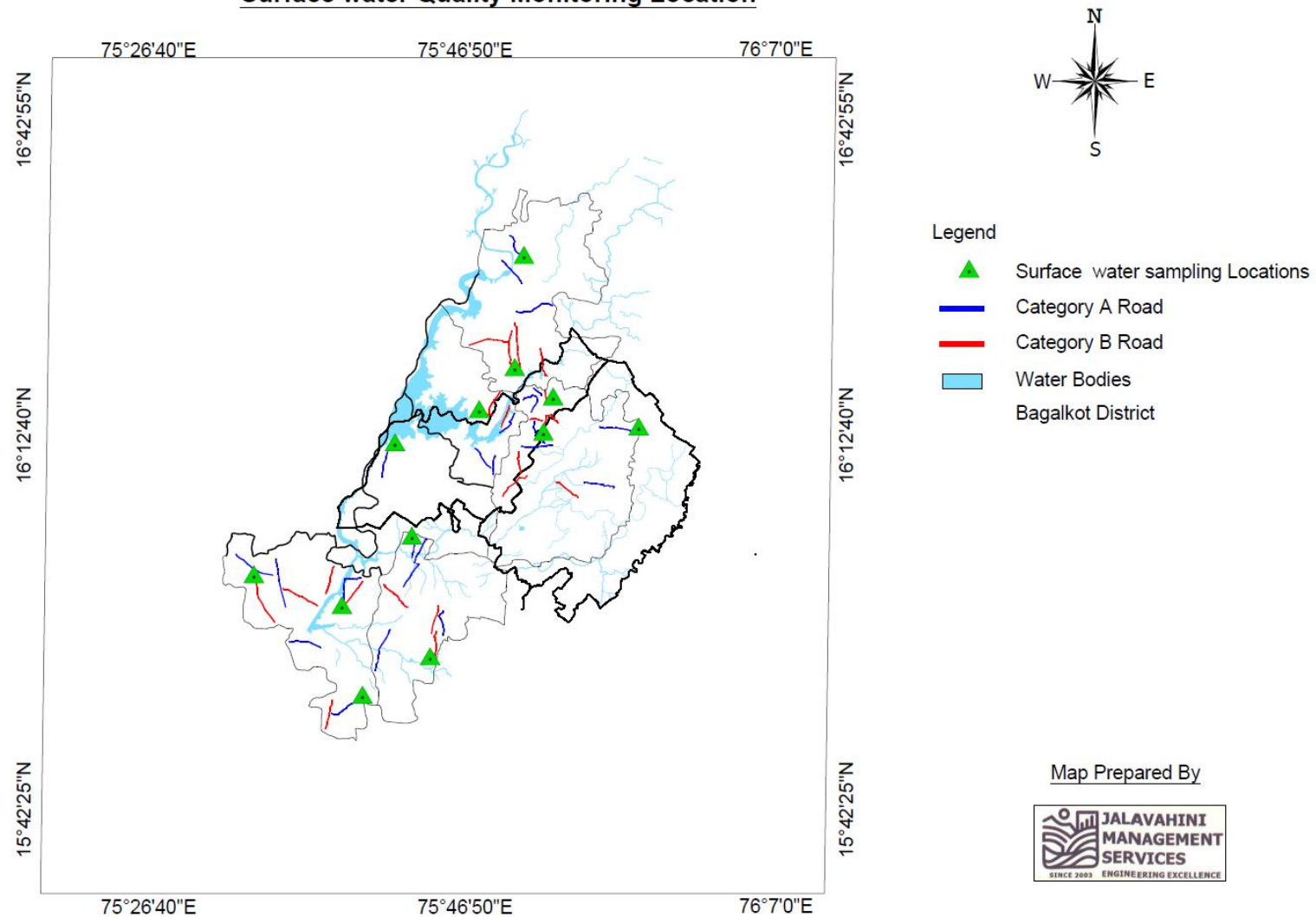
Legend

- Project Road
- Category A Road
- Category B Road
- Bagalkote District

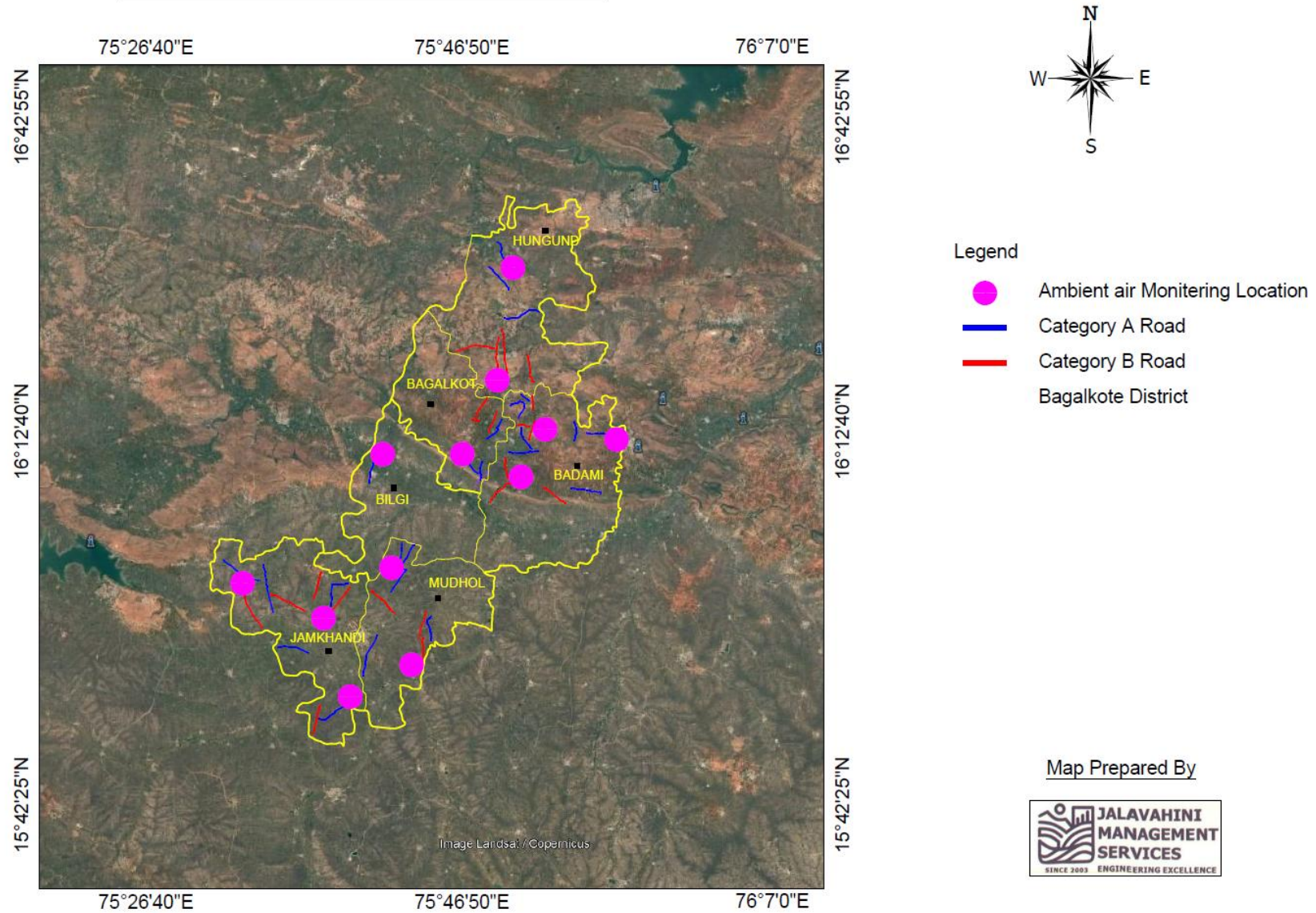
Map Prepared By



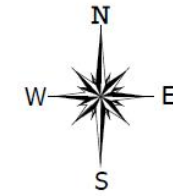
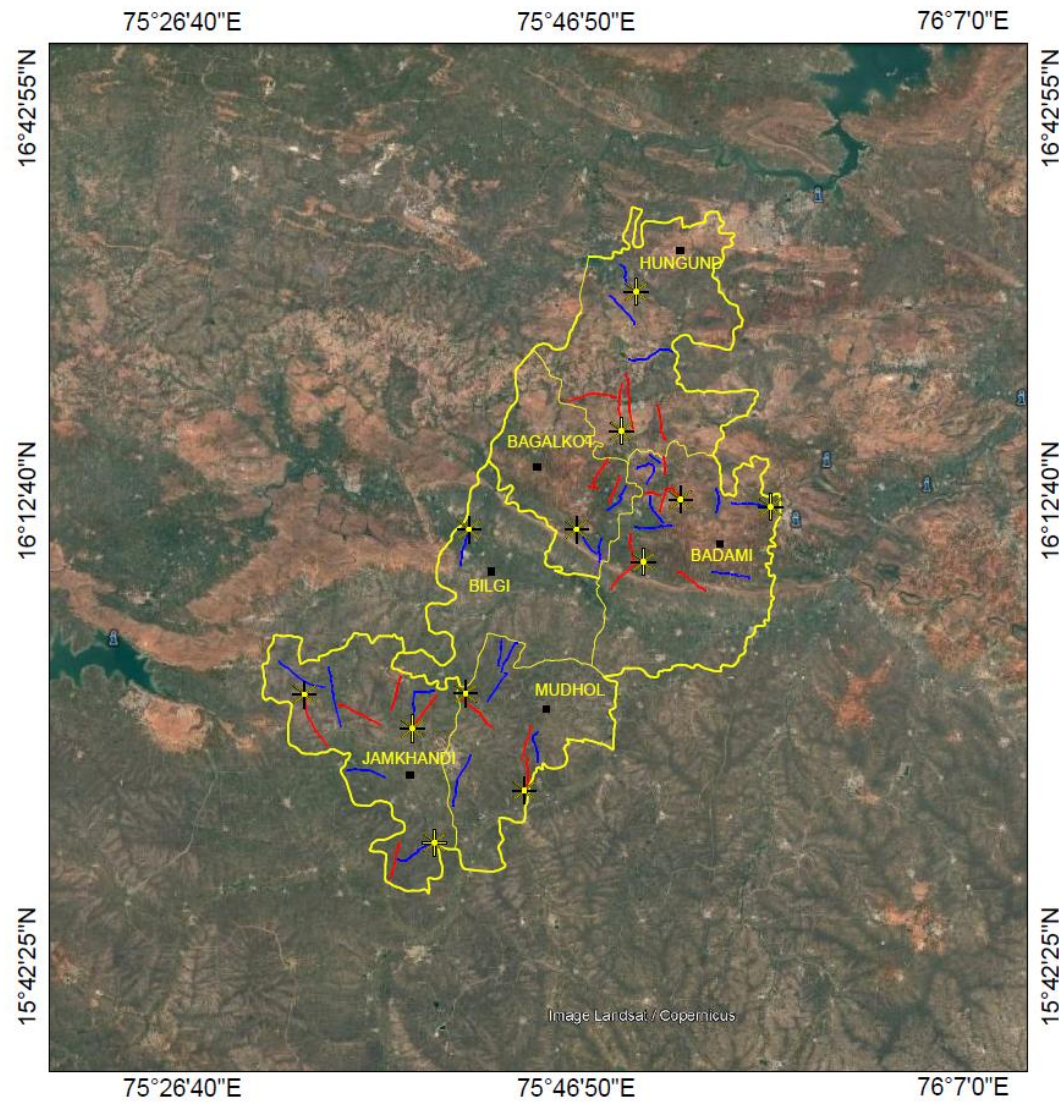
Surface water Quality Monitoring Location



Ambient Air Quality Monitoring Location



Ambient Noise Monitoring Location



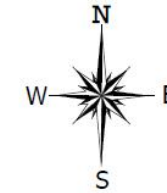
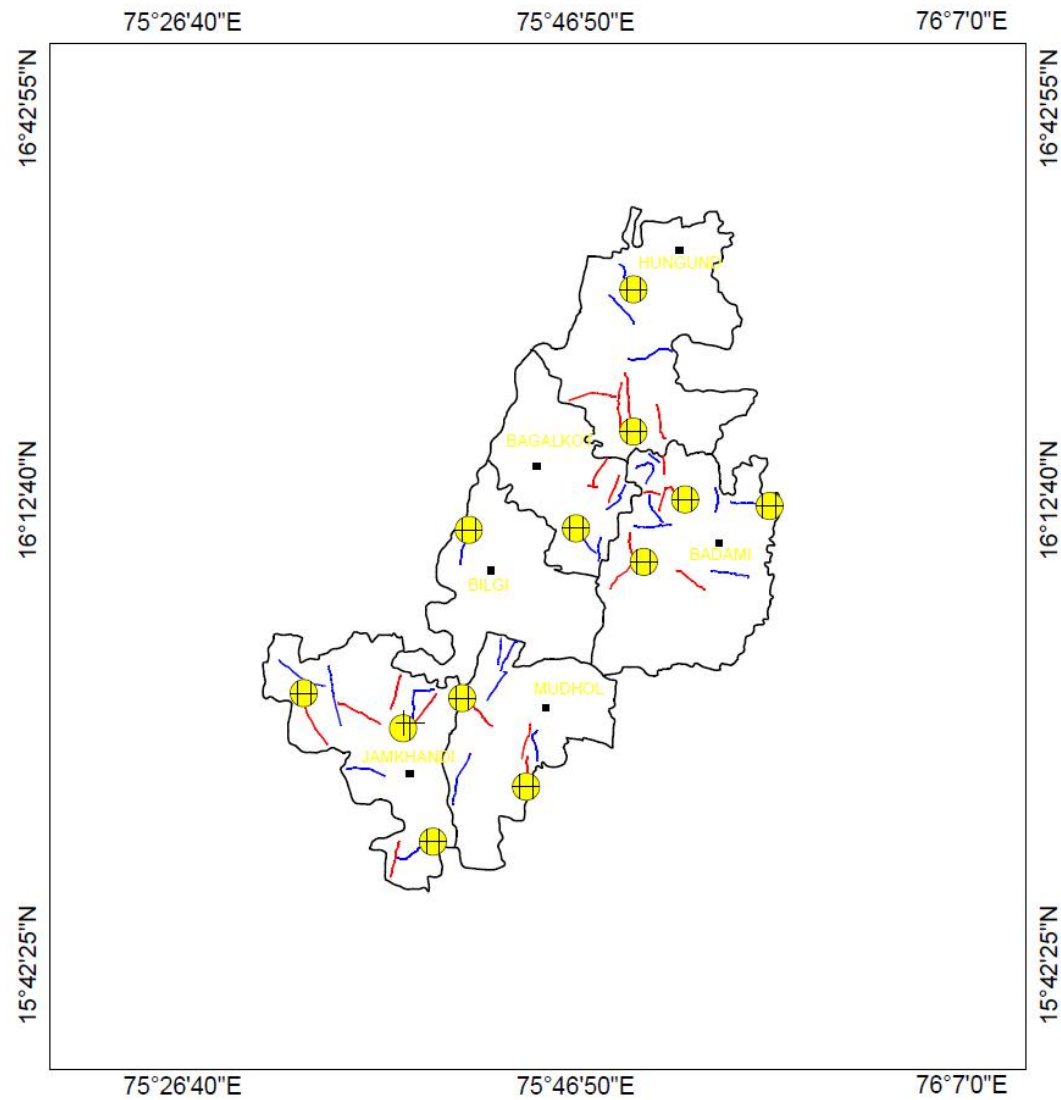
Legend

-  Noise Monitoring Location
-  Category A Road
-  Category B Road
- Bagalkote District

Map Prepared By



Ground water Quality Monitoring Location



Legend

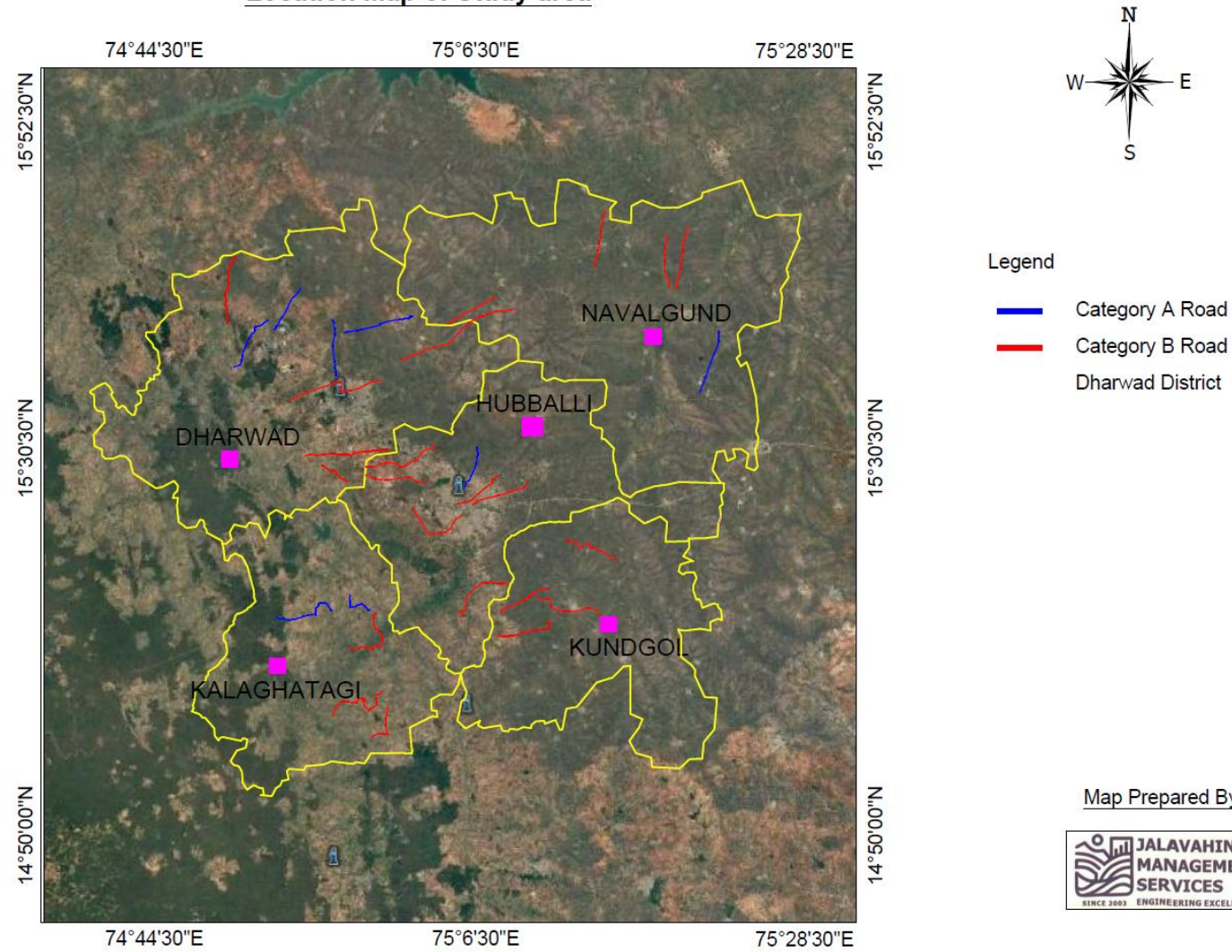
-  Groundwater Monitoring Location
-  Category A Road
-  Category B Road
- Bagalkote District

Map Prepared By

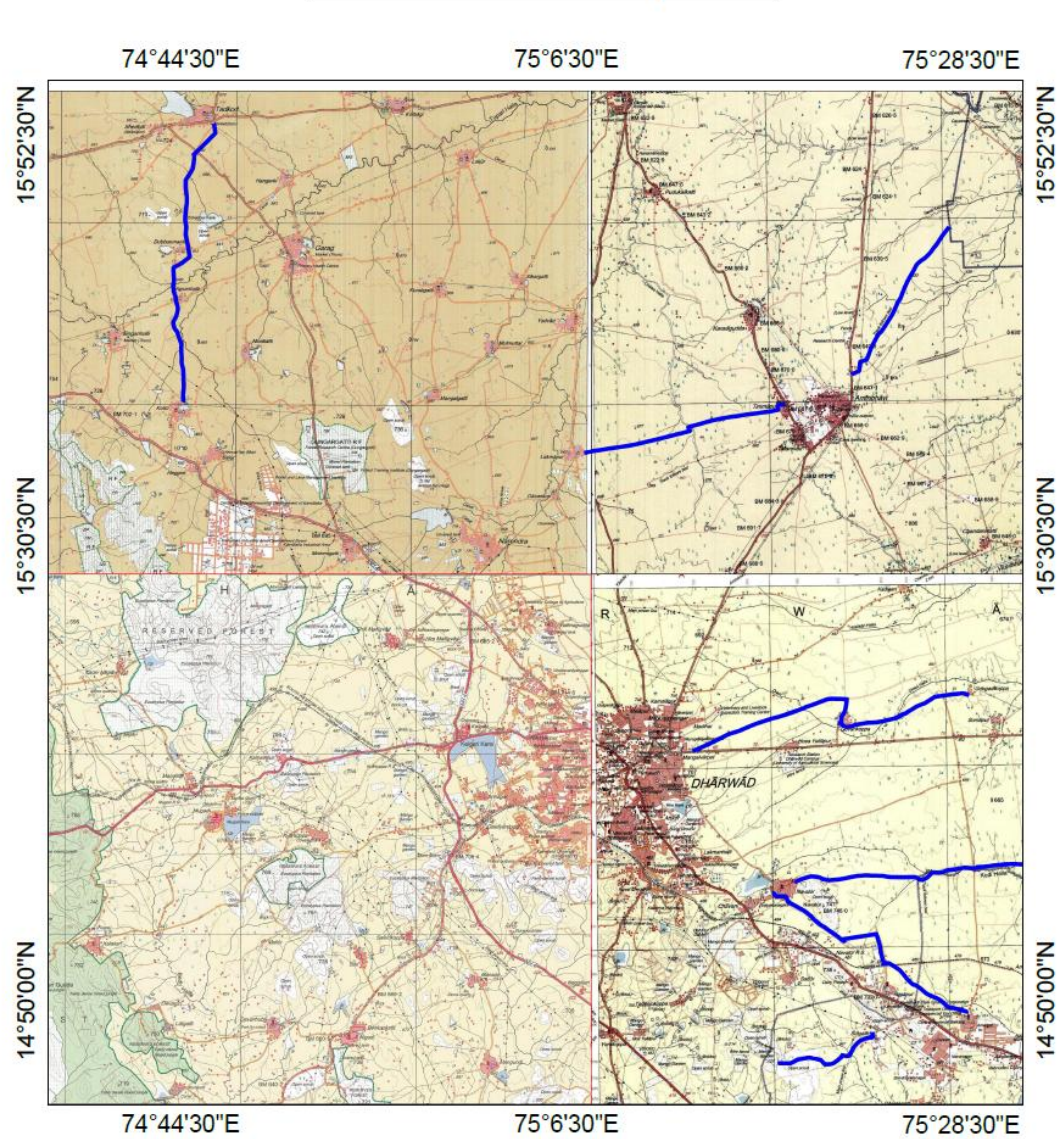


Dharwad District

Location Map of Study area



Roads Indicated On Toposheet

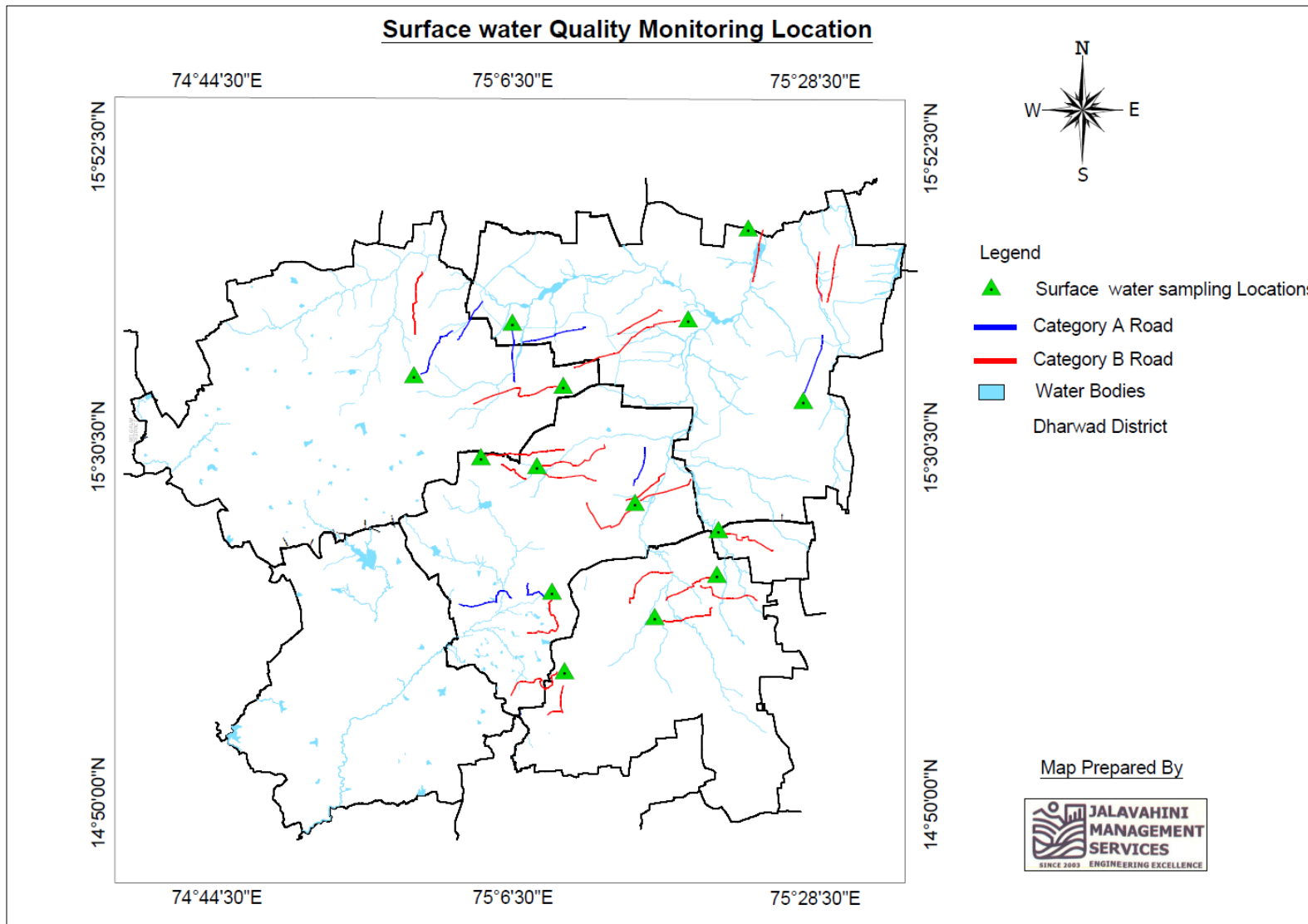


Legend

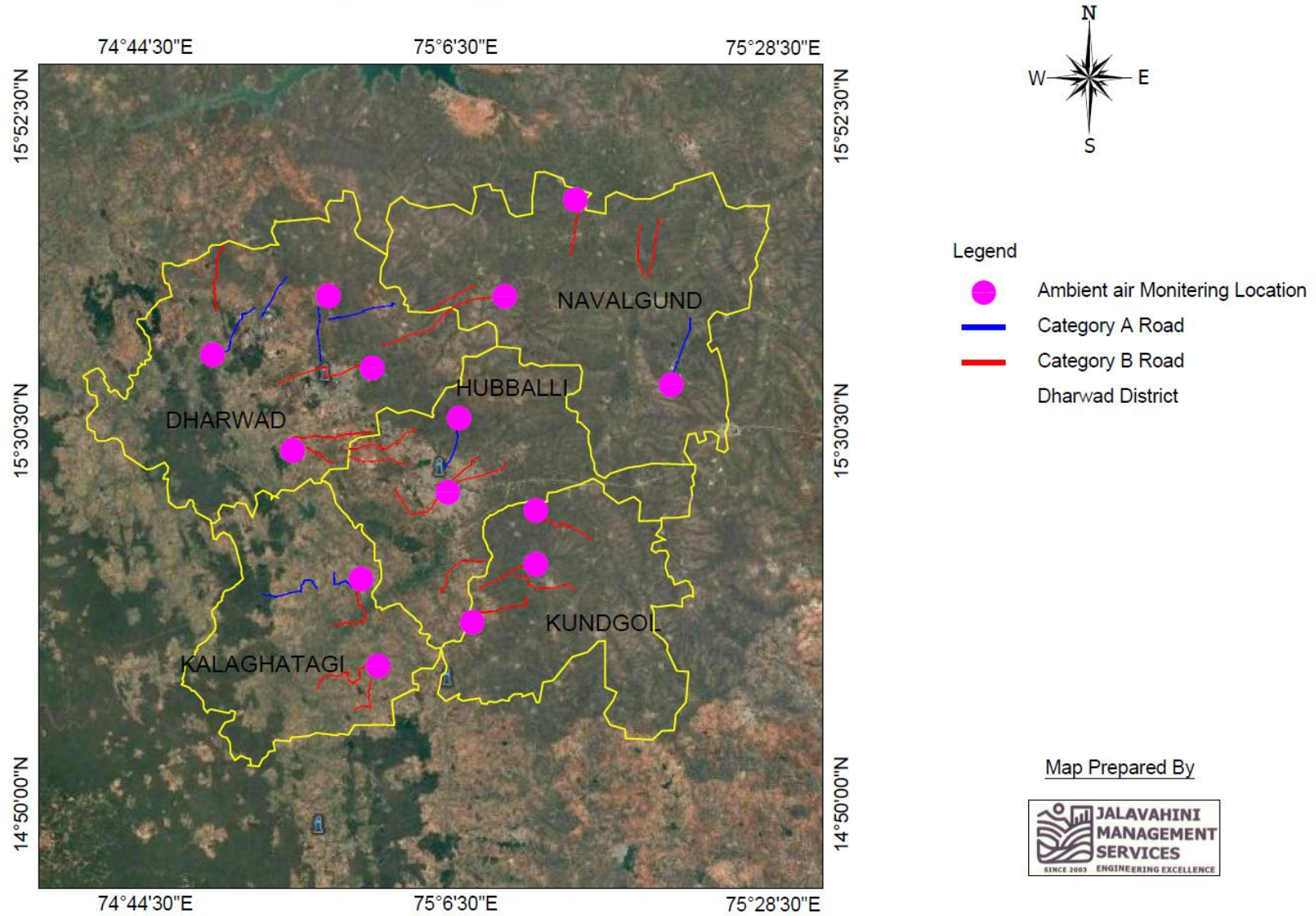
- Category A Road
- Category B Road
- Dharwad District

Map Prepared By

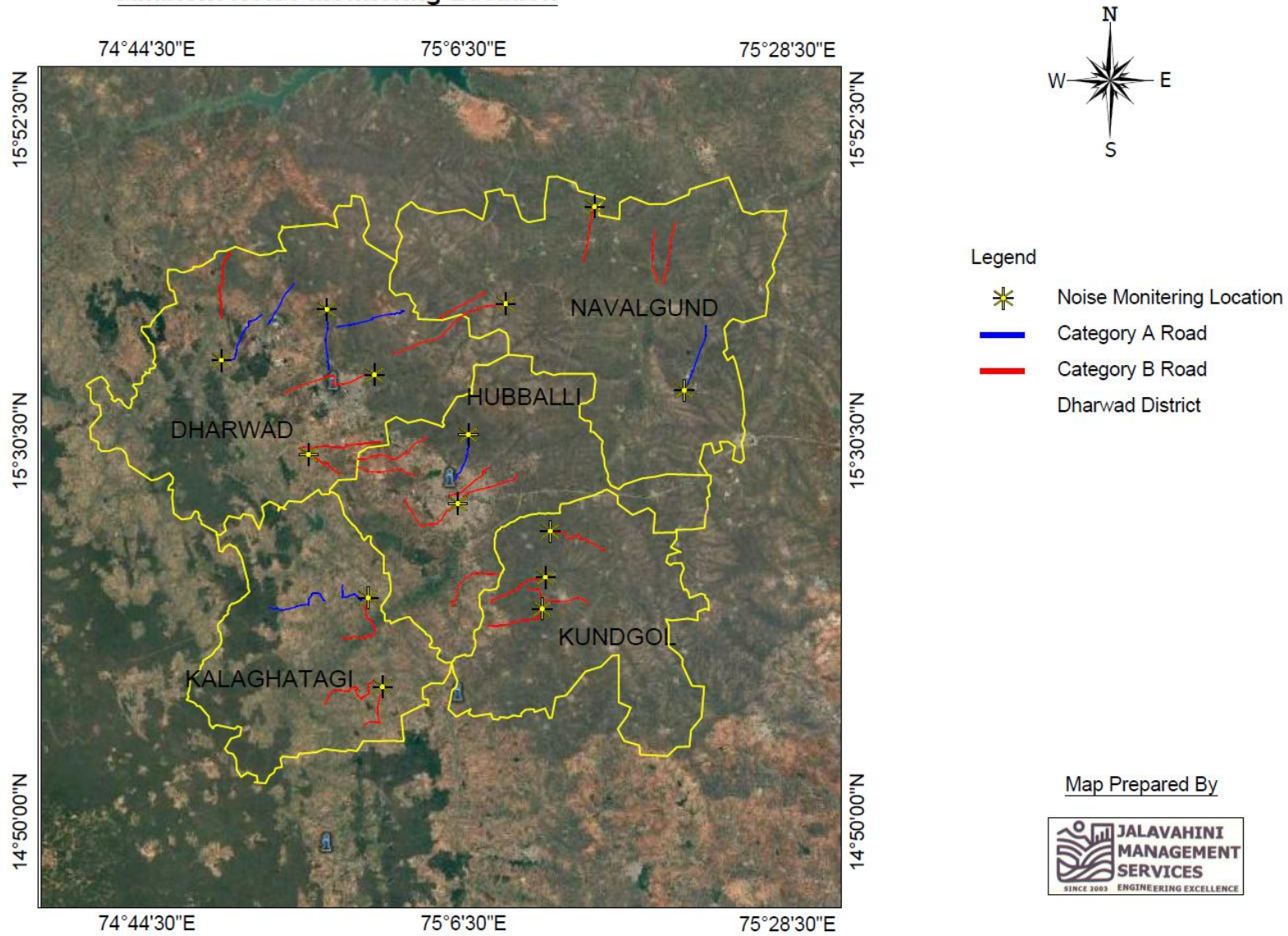




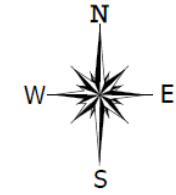
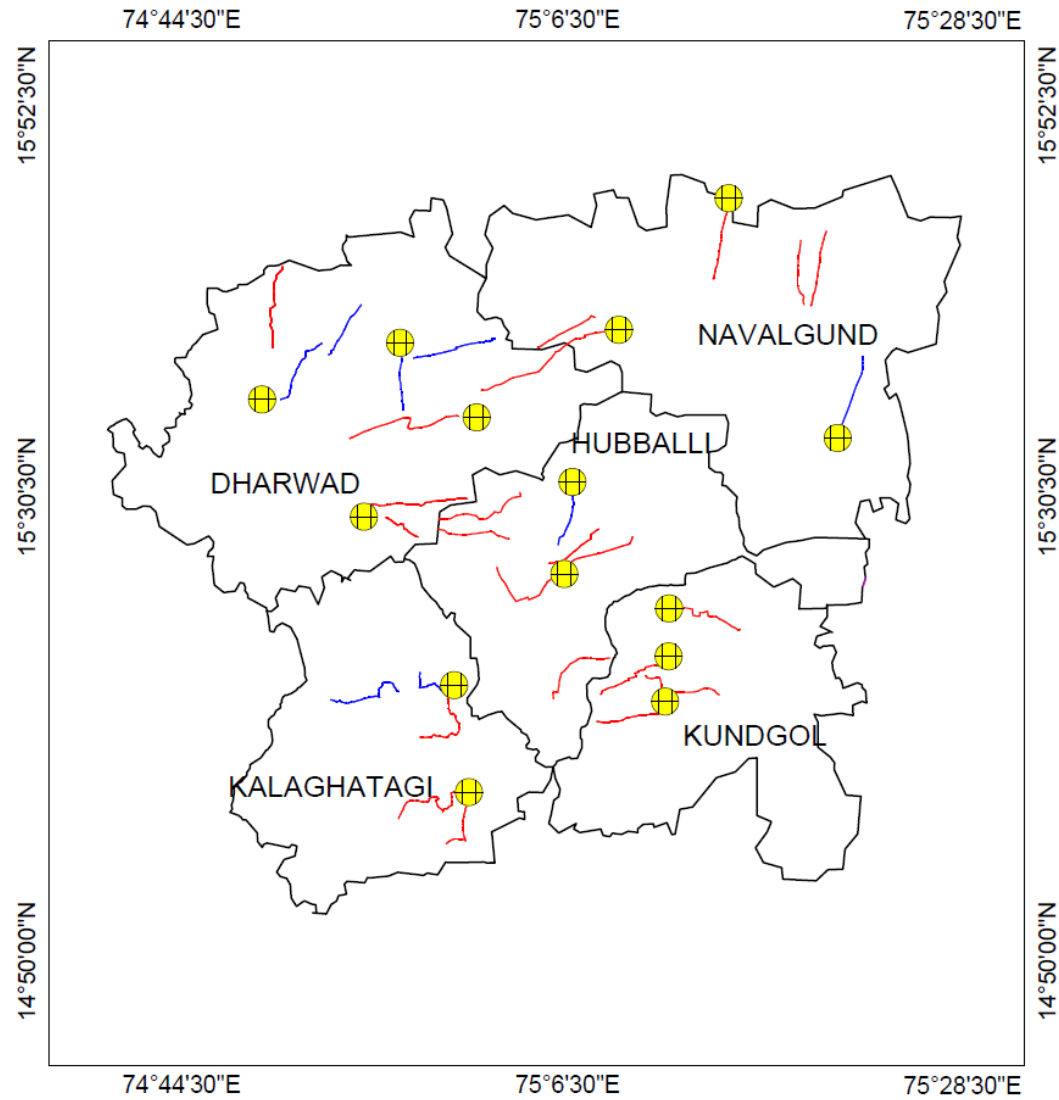
Ambient Air Quality Monitoring Location



Ambient Noise Monitoring Location



Ground water Quality Monitoring Location



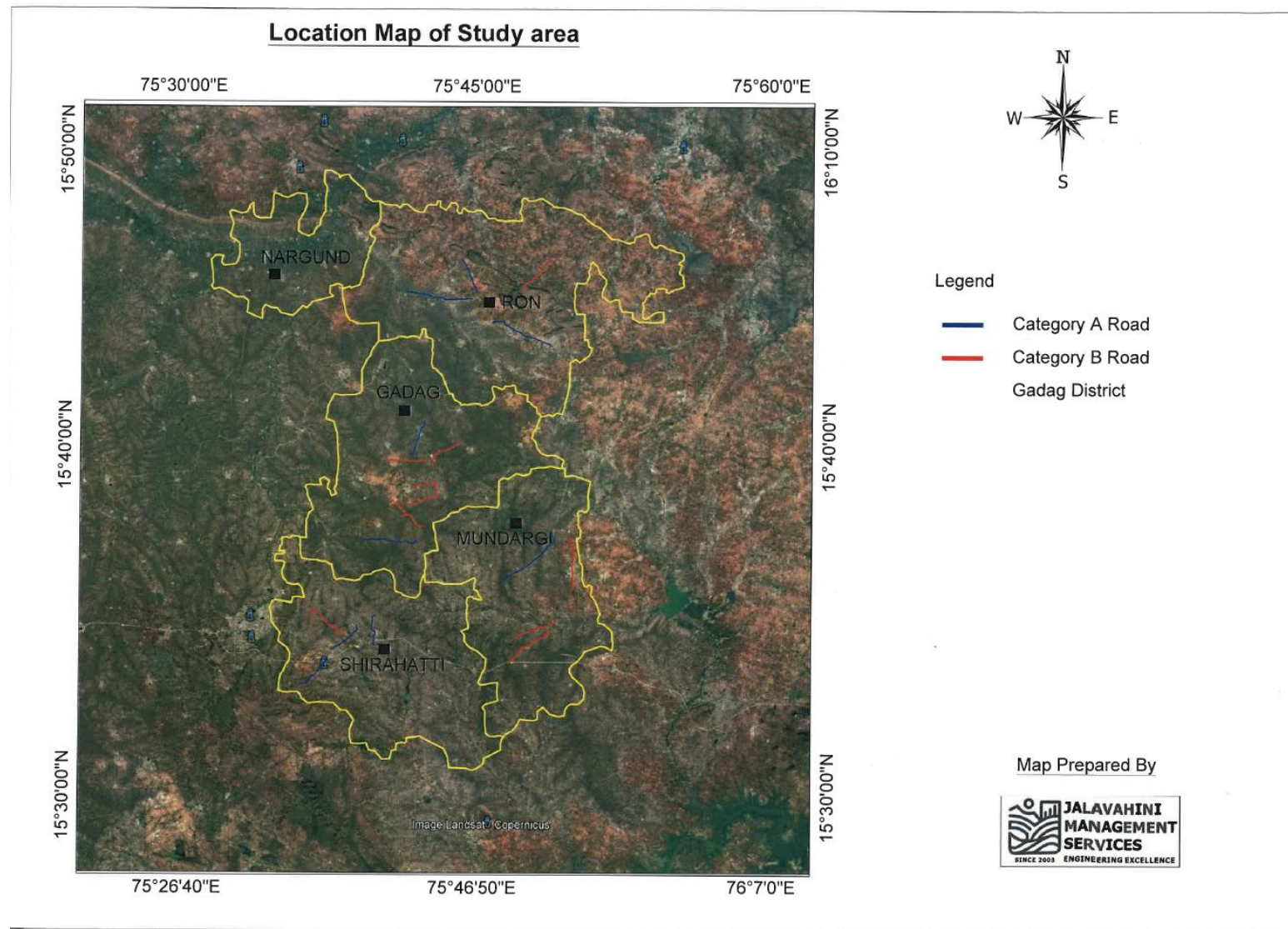
Legend

-  Groundwater Monitoring Location
-  Category A Road
-  Category B Road
- Dharwad District

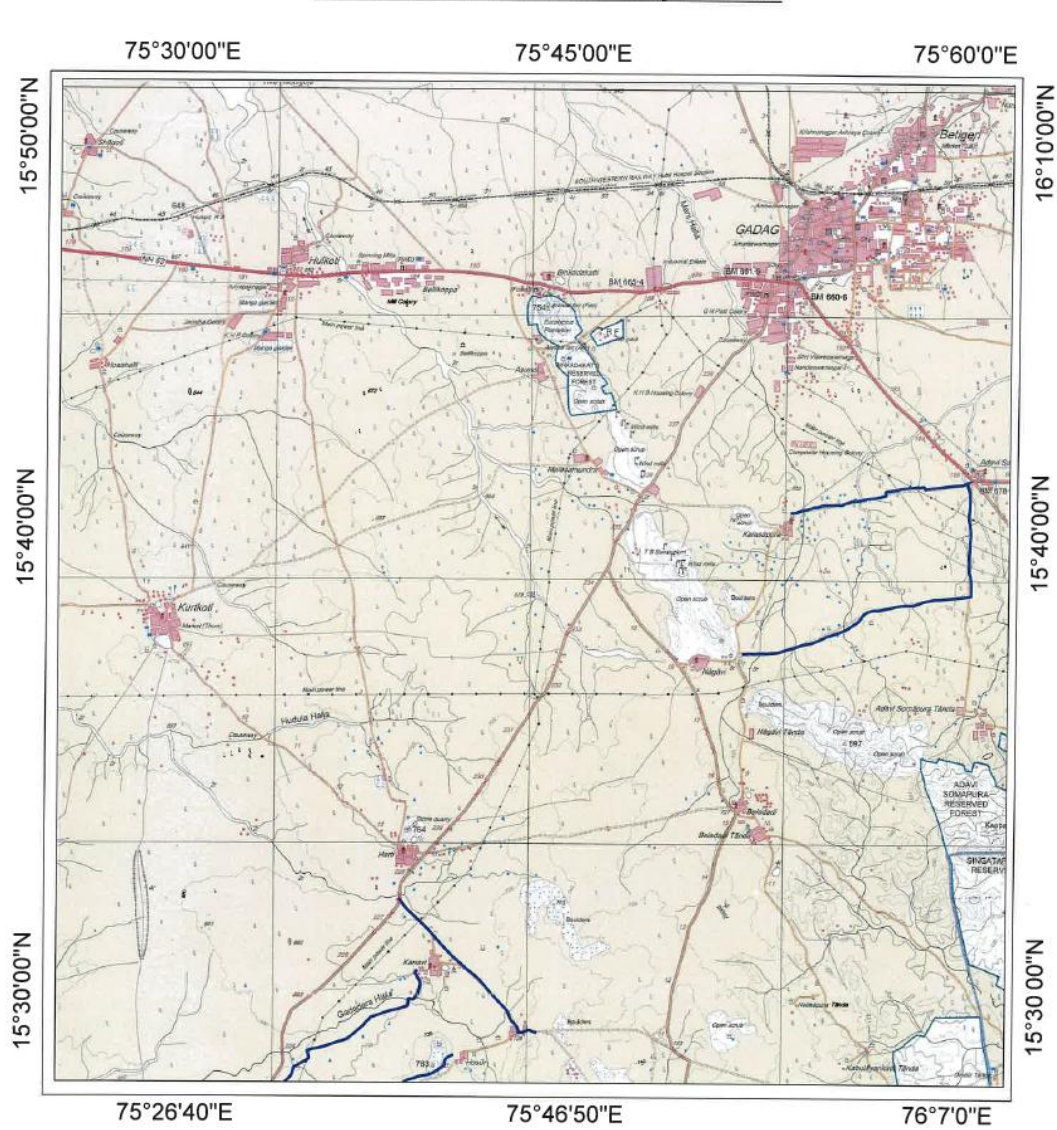
Map Prepared By



Gadag District



Roads Indicated On Toposheet



Legend

Project Road

Category A Road

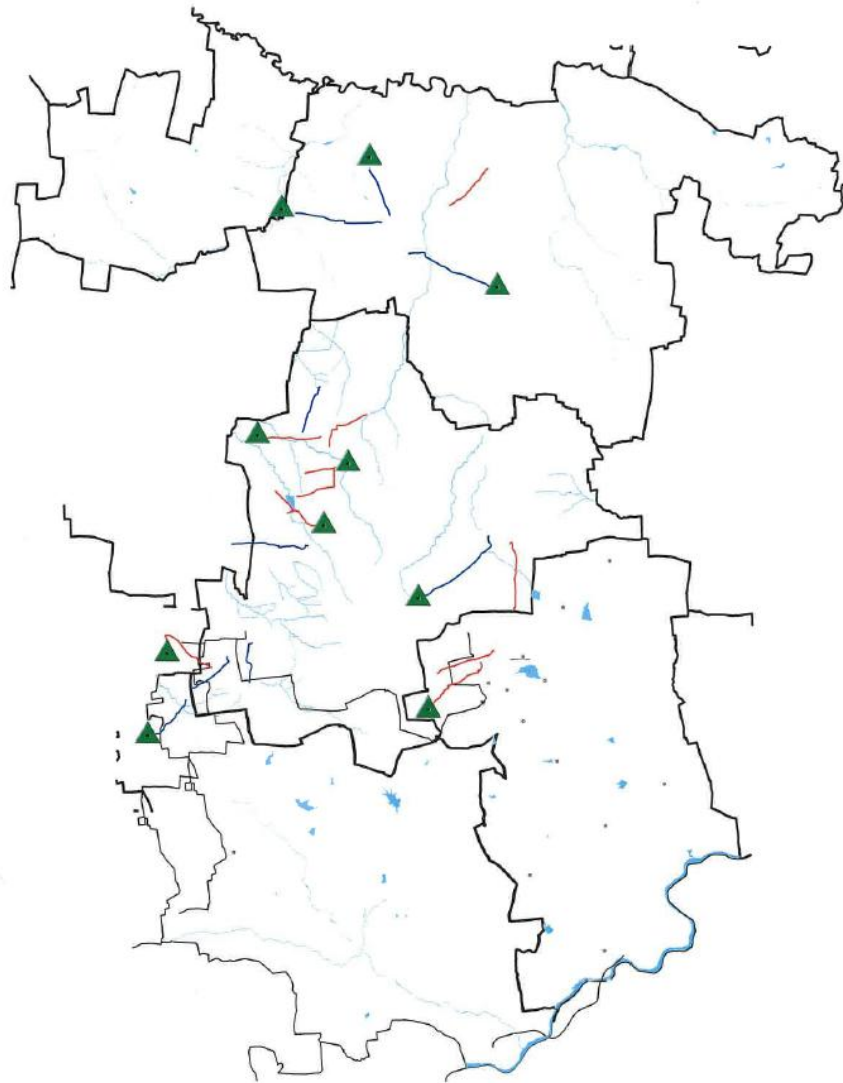
Category B Road

Gadag District

Map Prepared By



Surface water Quality Monitoring Location



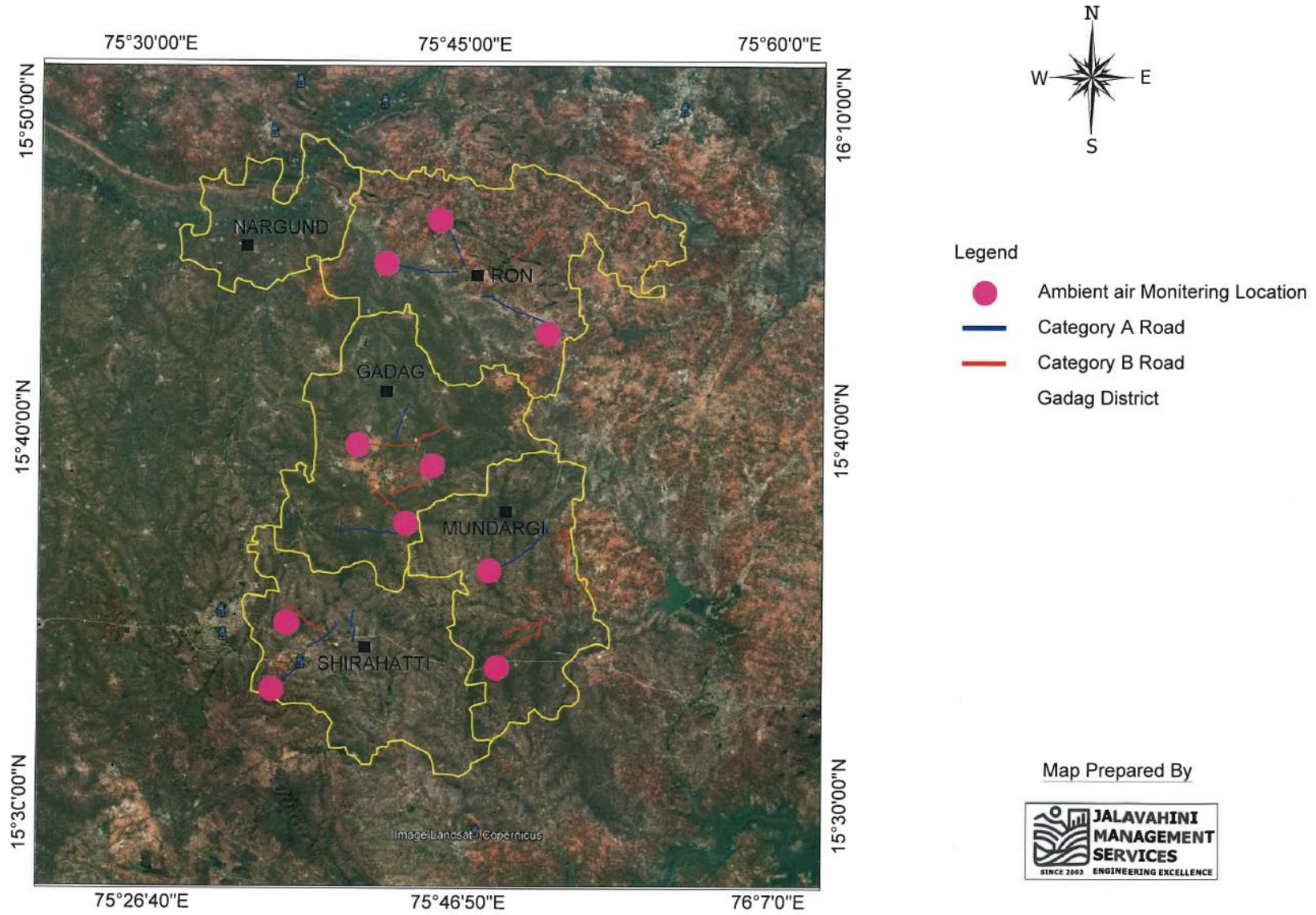
Legend

-  Surface water sampling Locations
-  Category A Road
-  Category B Road
-  Water Bodies
- Gadag District

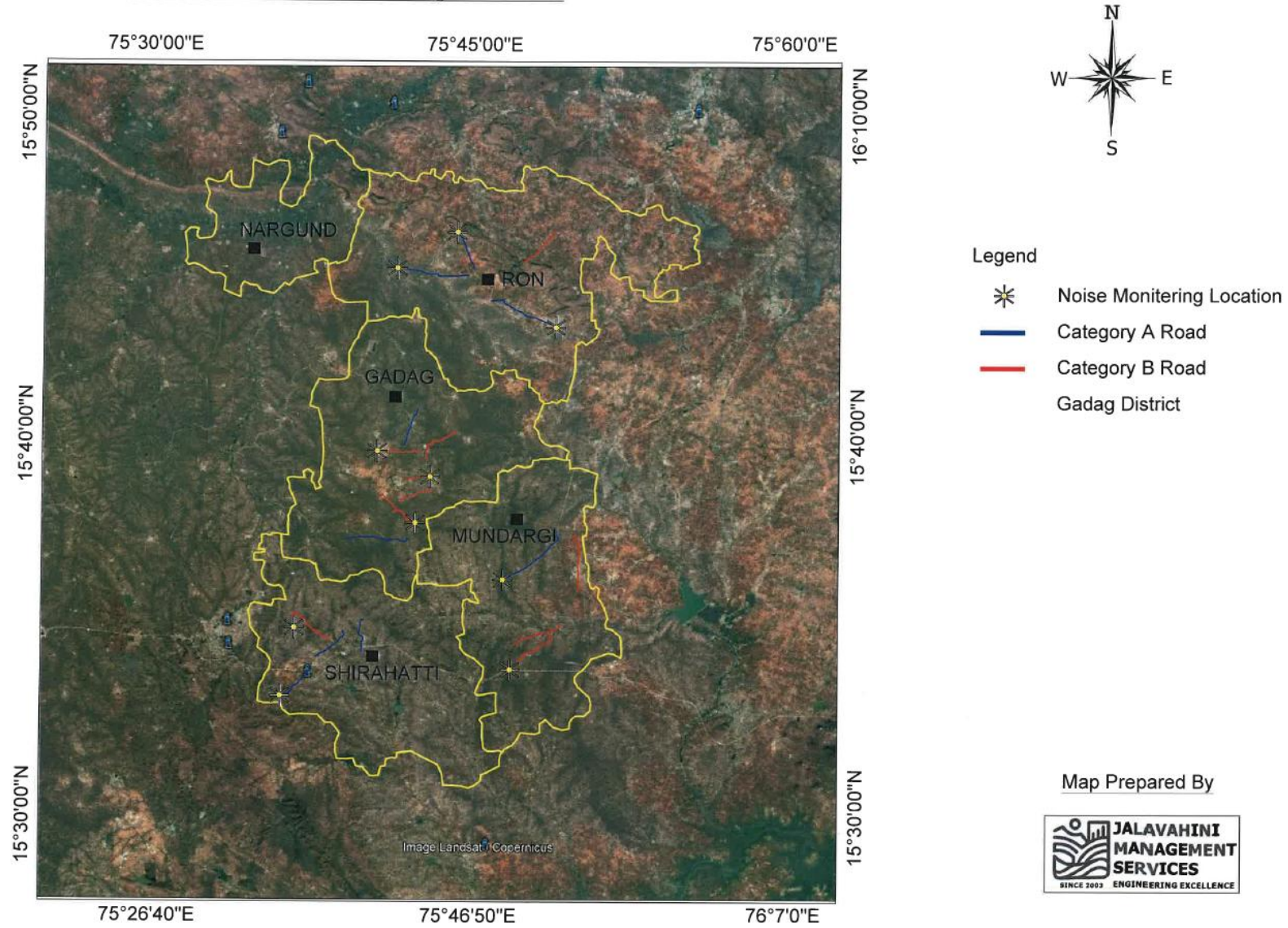
Map Prepared By



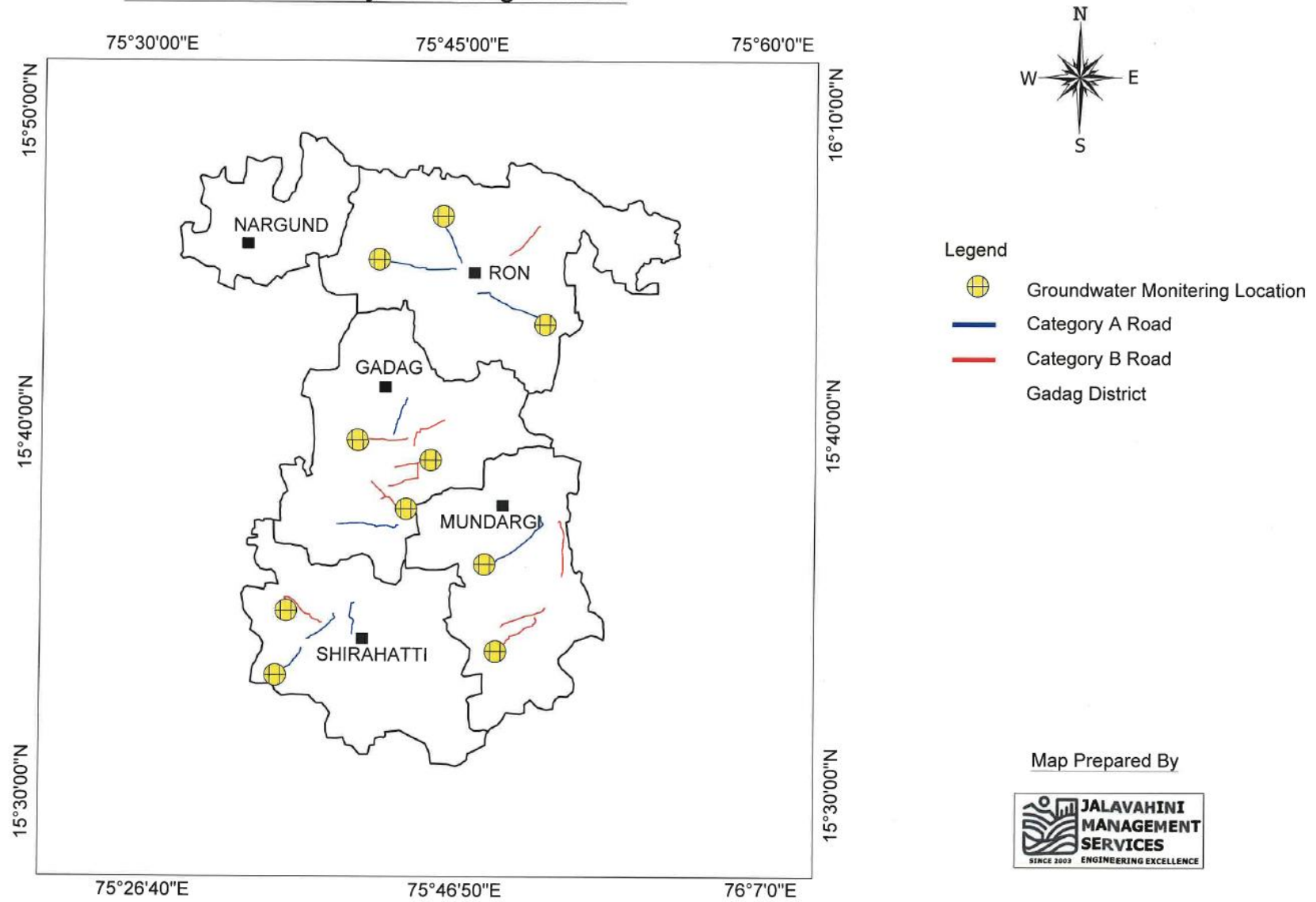
Ambient Air Quality Monitoring Location



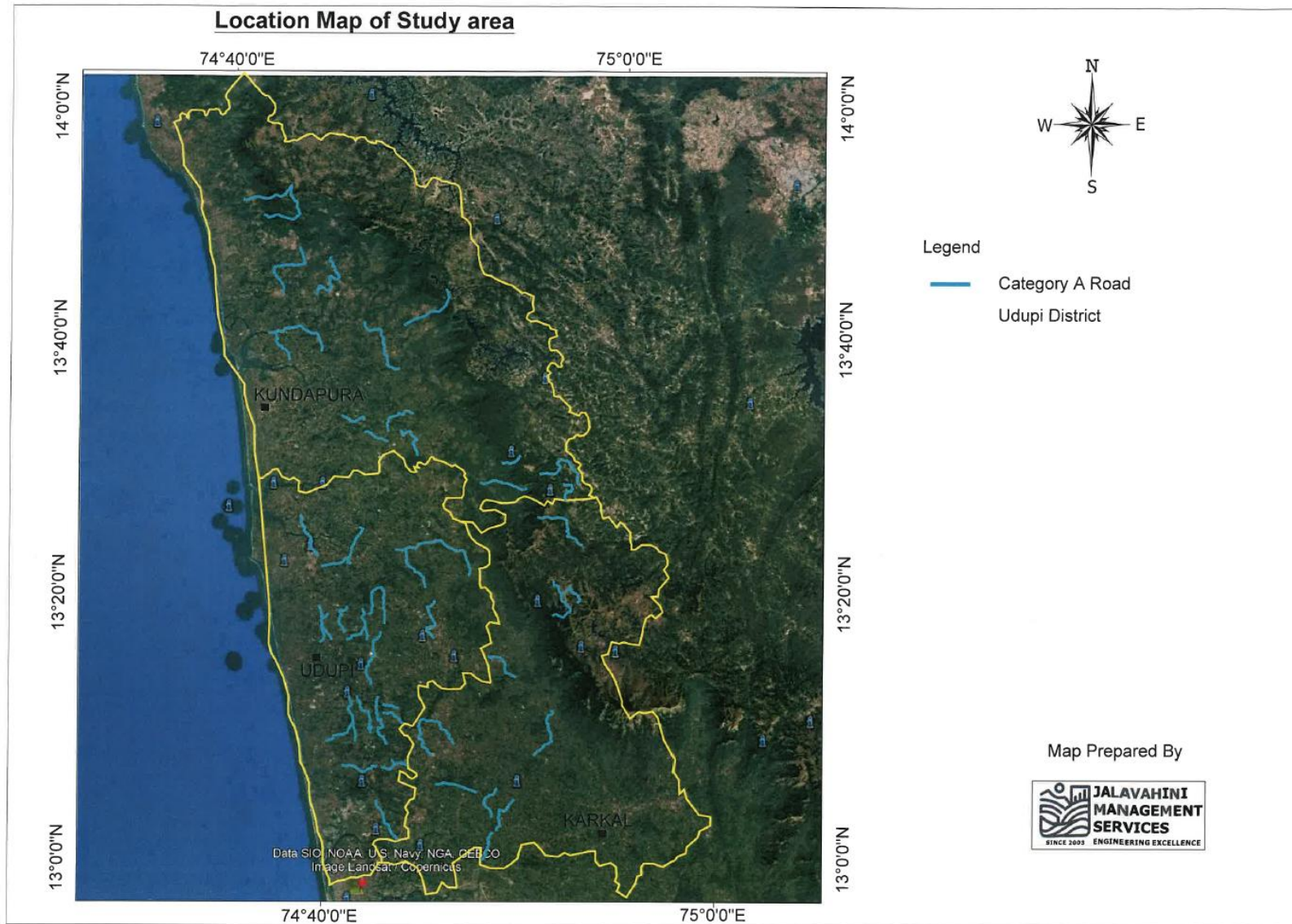
Ambient Noise Monitoring Location



Ground water Quality Monitering Location



Udupi District



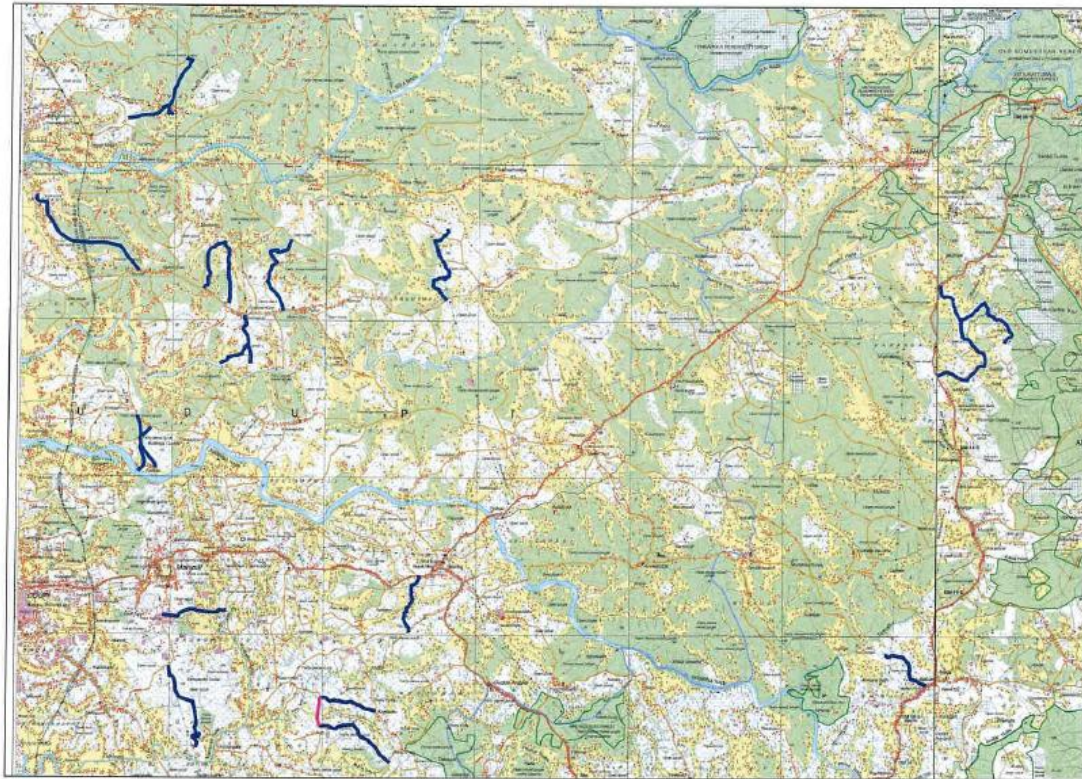
Roads Indicated On Toposheet



Legend

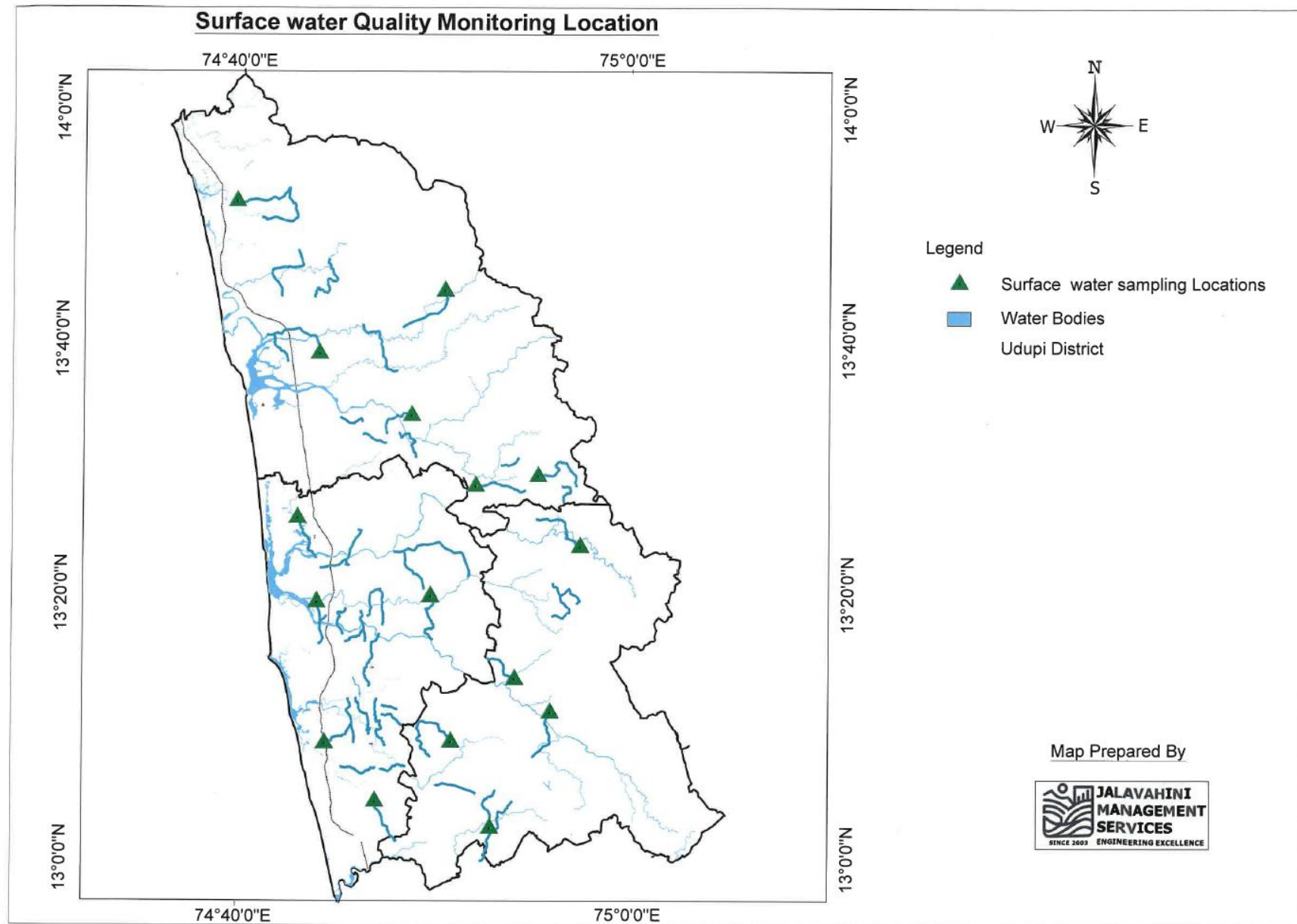


Project Road
Udupi District

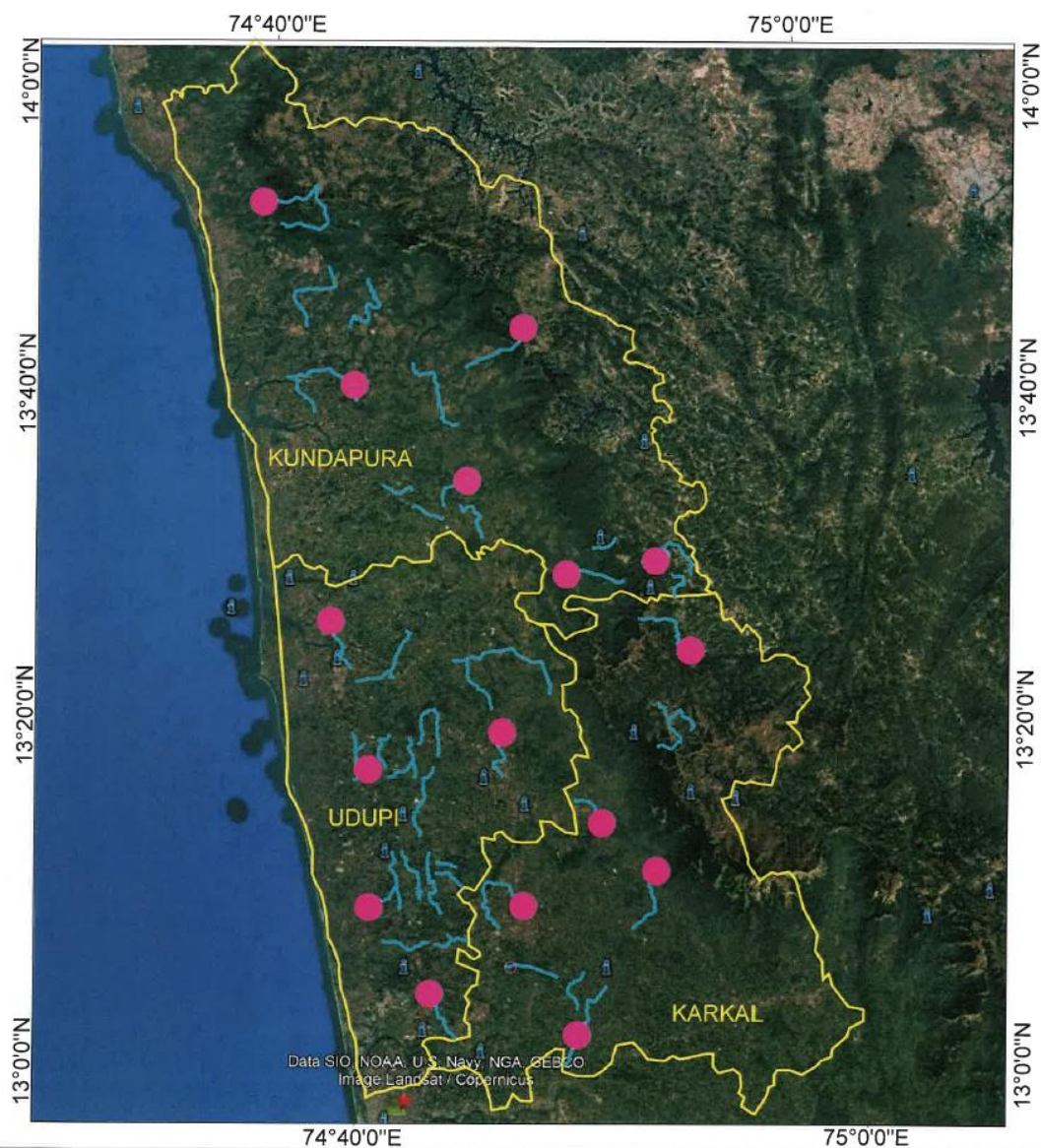


Map Prepared By





Ambient Air Quality Monitoring Location



Legend

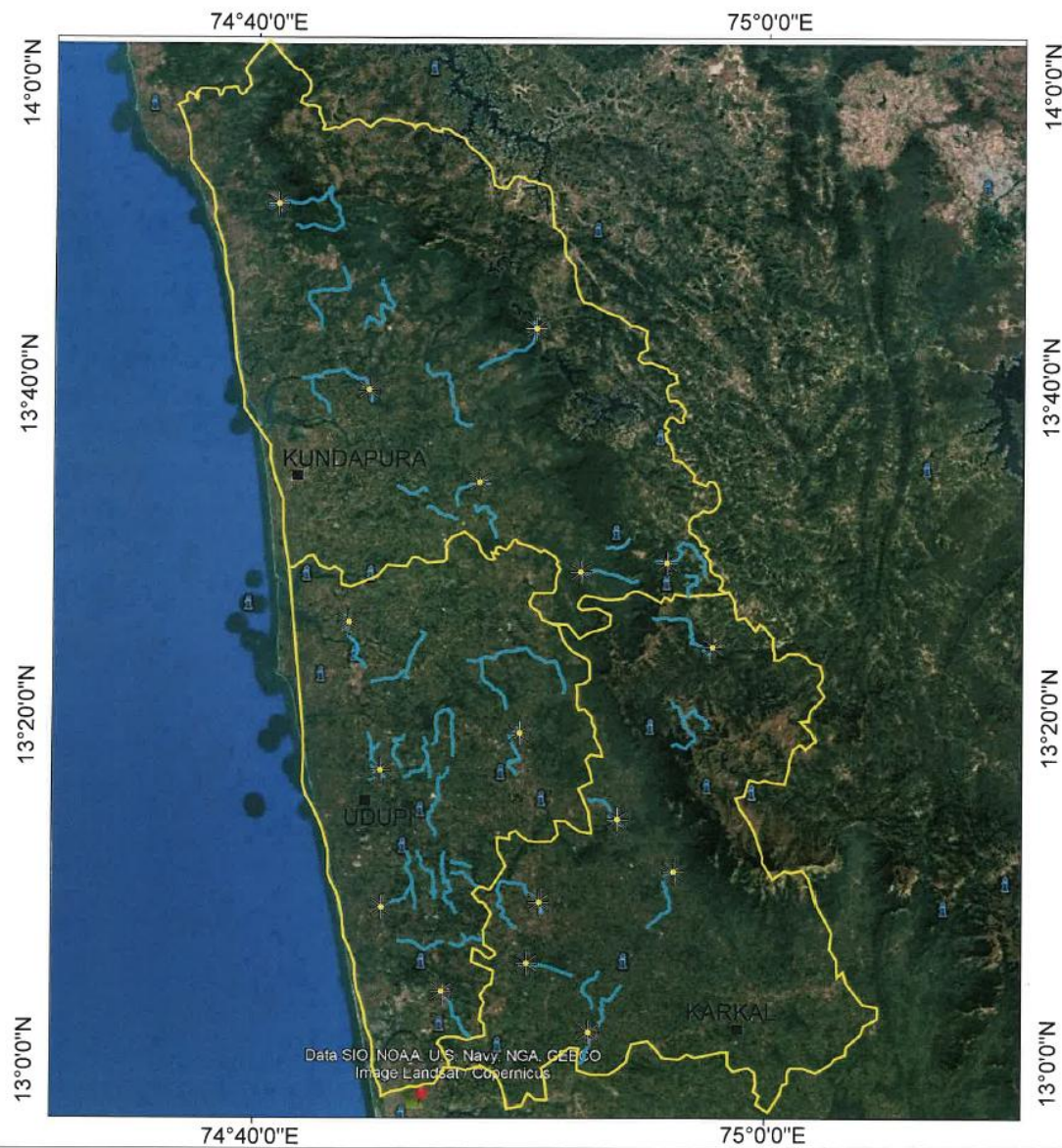
- Ambient air Monitoring Location
- Category A Road
- Udupi District

Map Prepared By



Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus

Ambient Noise Monitoring Location

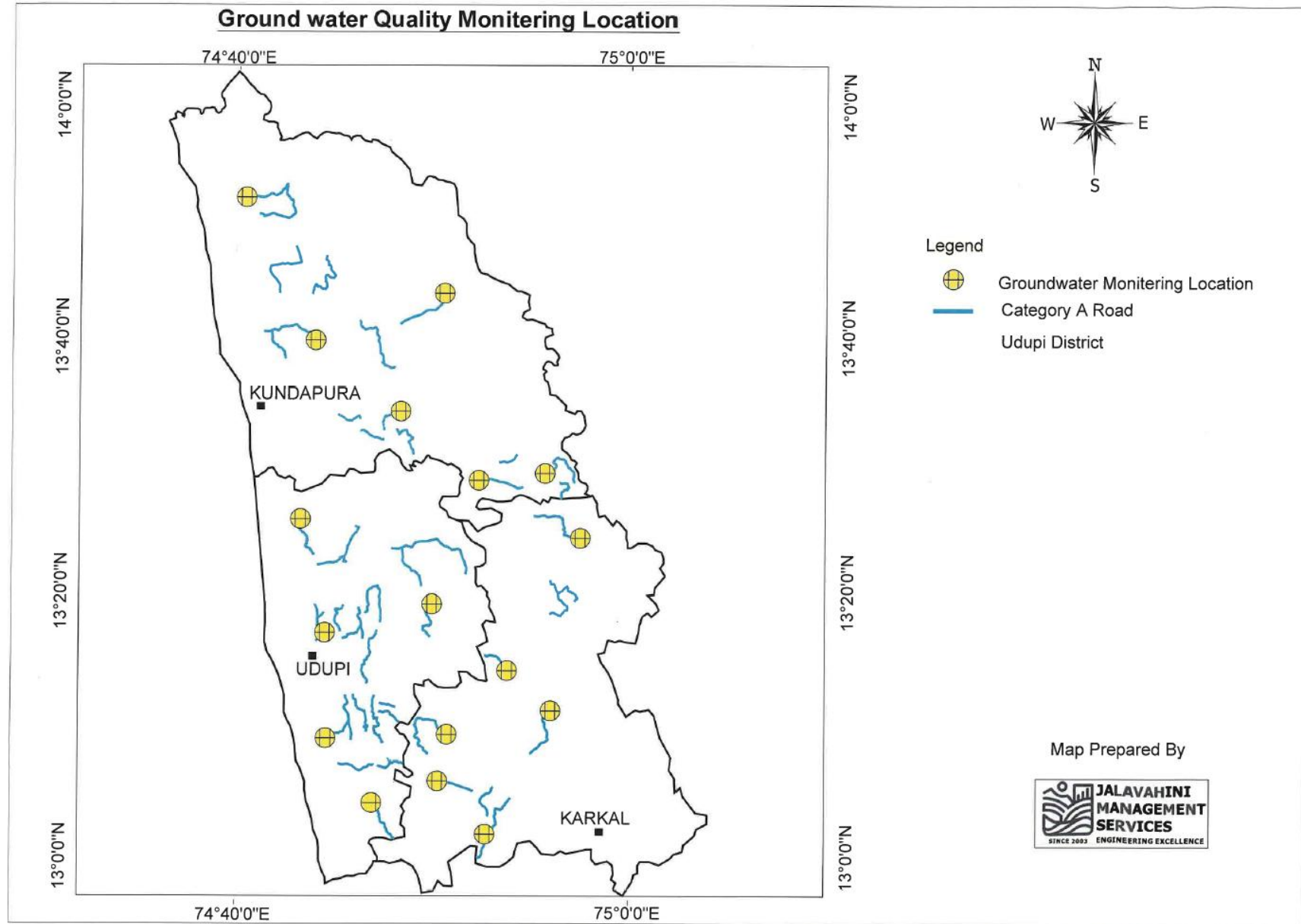


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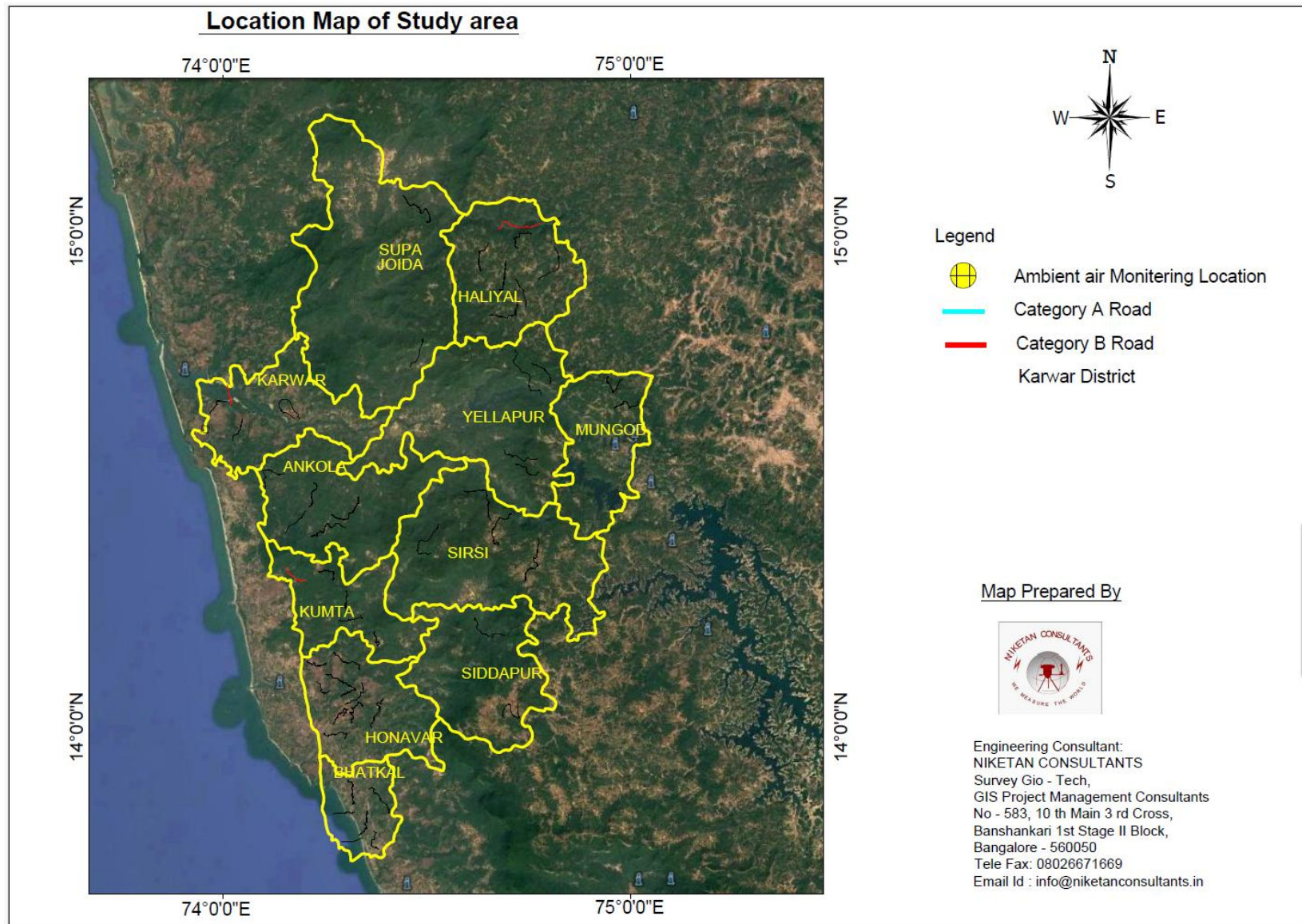
-  Noise Monitoring Location
-  Category A Road
-  Udupi District

Map Prepared By

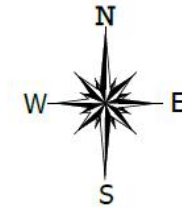
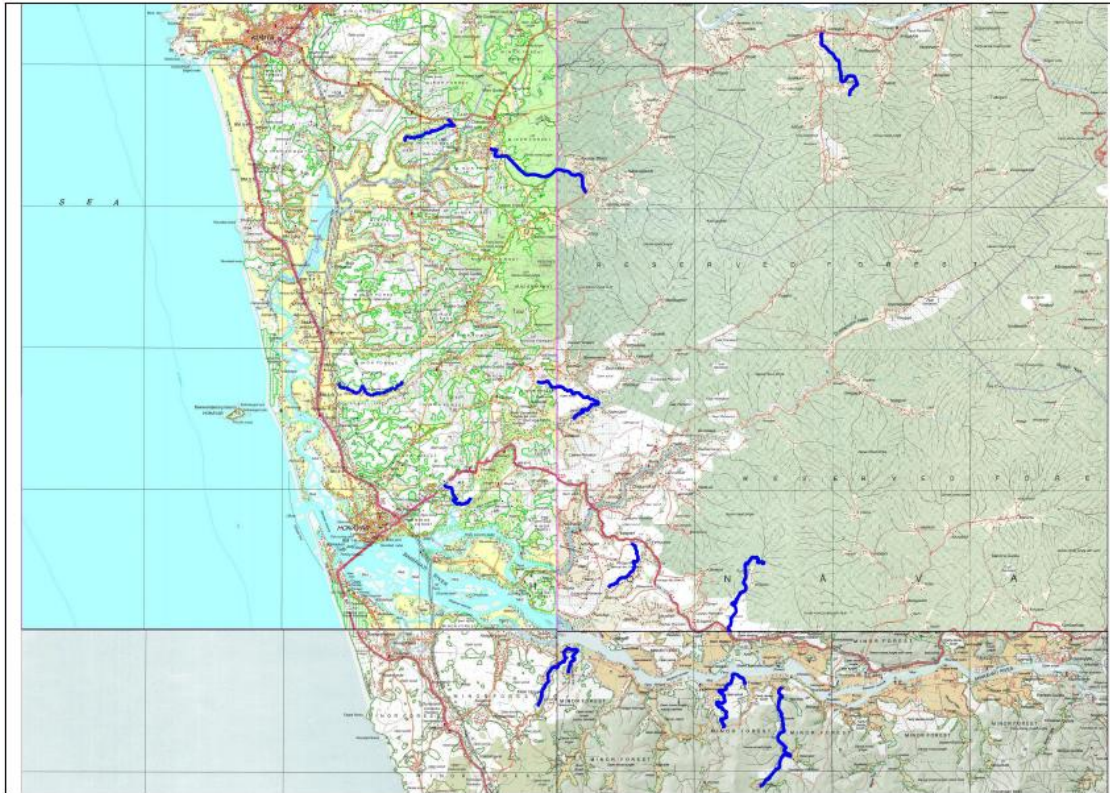




Karwar District



Roads Indicated On Toposheet



Legend

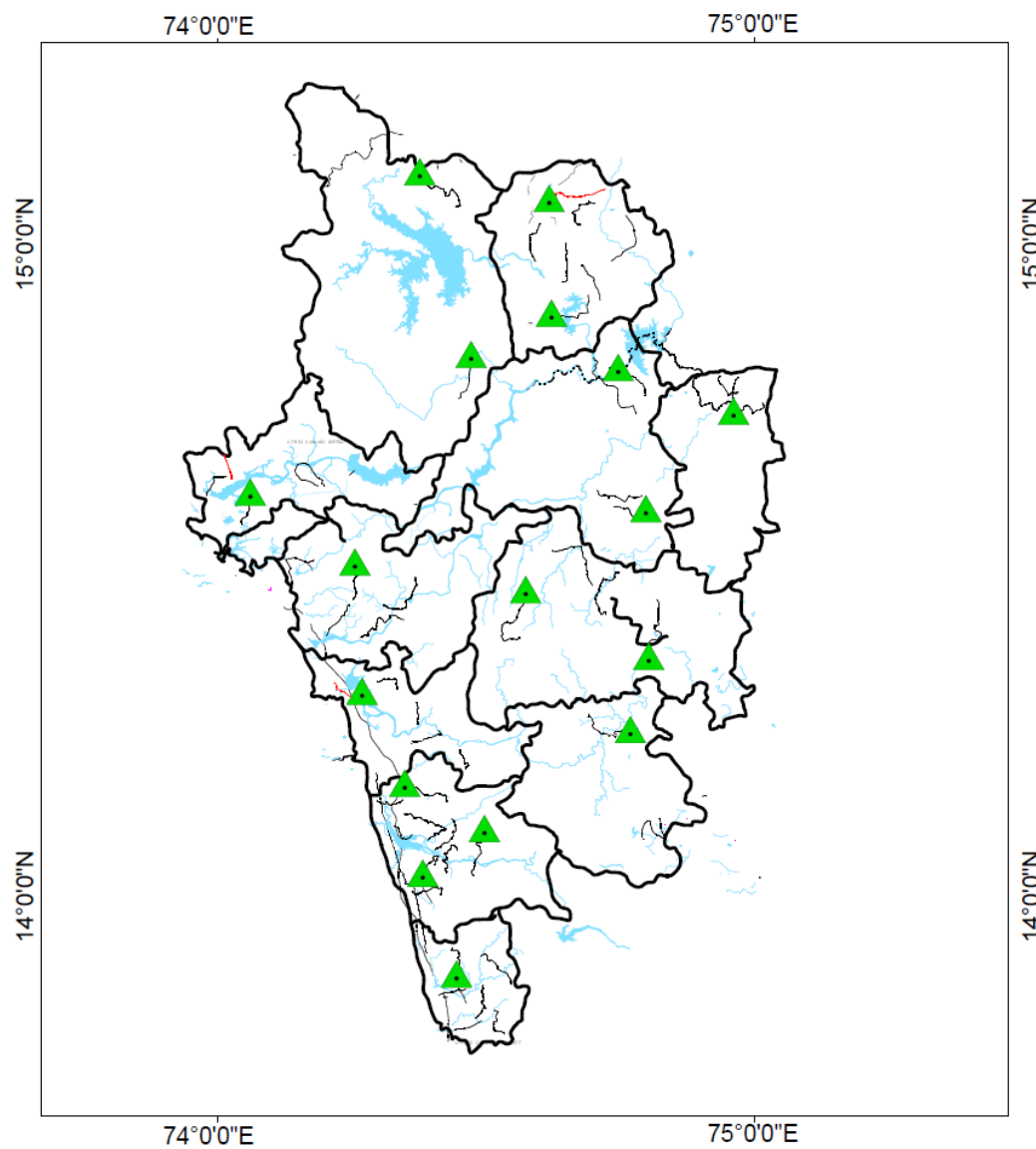
-  Project Roads
- Honnavar Taluk

Map Prepared By



Engineering Consultant:
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Survey Geo - Tech,
GIS Project Management Consultants
No - 583, 10 th Main 3 rd Cross,
Banshankari 1st Stage II Block,
Bangalore - 560050
Tele Fax: 08026671669
Email Id : info@niketanconsultants.in

Surface water Quality Monitoring Location



Legend

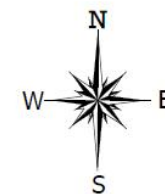
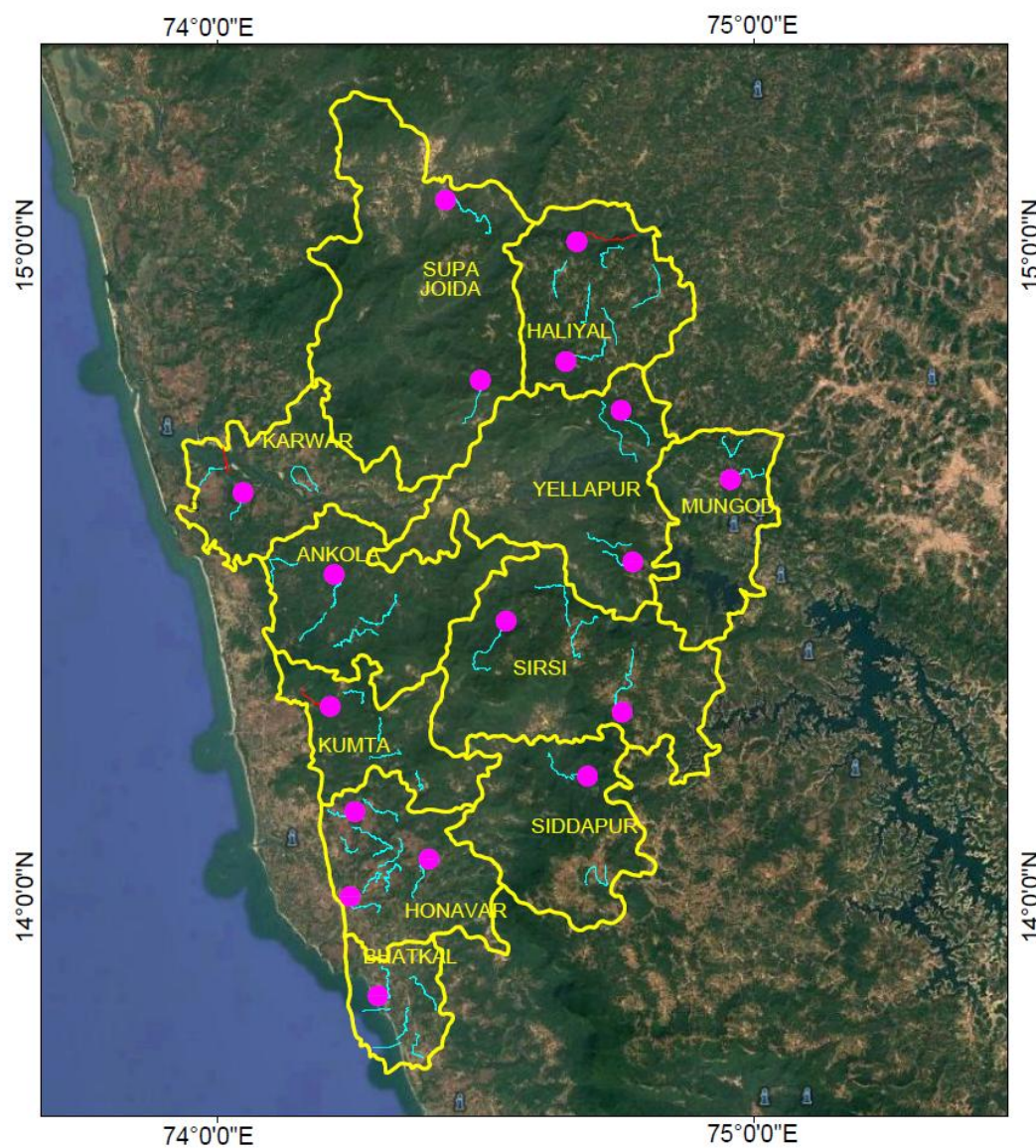
-  Surface water sampling Locations
-  Water Bodies
- Karwar District

Map Prepared By



Engineering Consultant:
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Survey Geo - Tech,
GIS Project Management Consultants
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Banashankari 1st Stage II Block,
Bangalore - 560050
Tele Fax: 08026671669
Email Id : info@niketanconsultants.in

Ambient Air Quality Monitoring Location



Legend

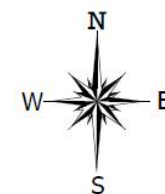
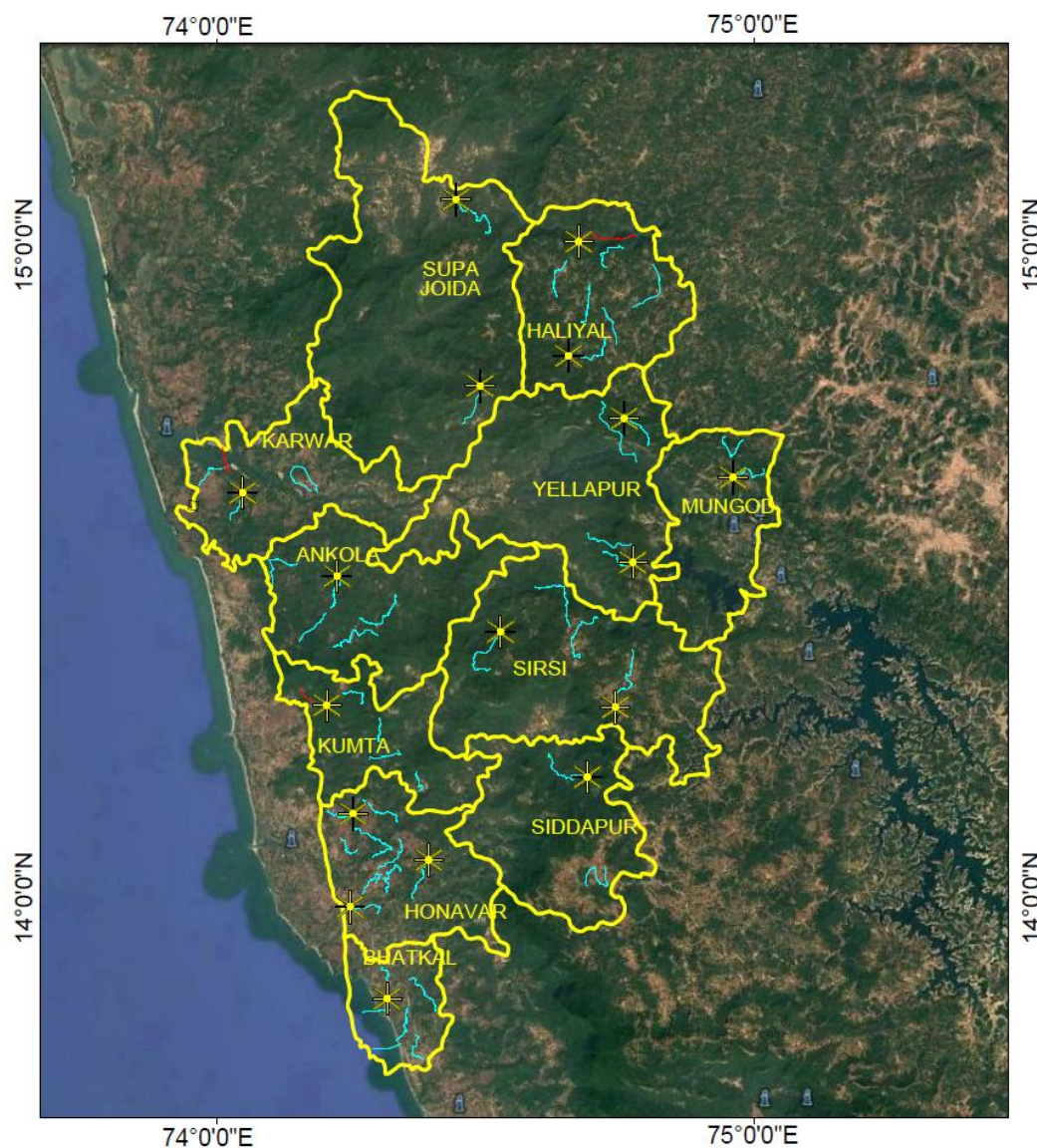
- Ambient air Monitoring Location
- Category A Road
- Category B Road
- Karwar District

Map Prepared By



Engineering Consultant:
NIKETAN CONSULTANTS
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Ambient Noise Monitoring Location



Legend

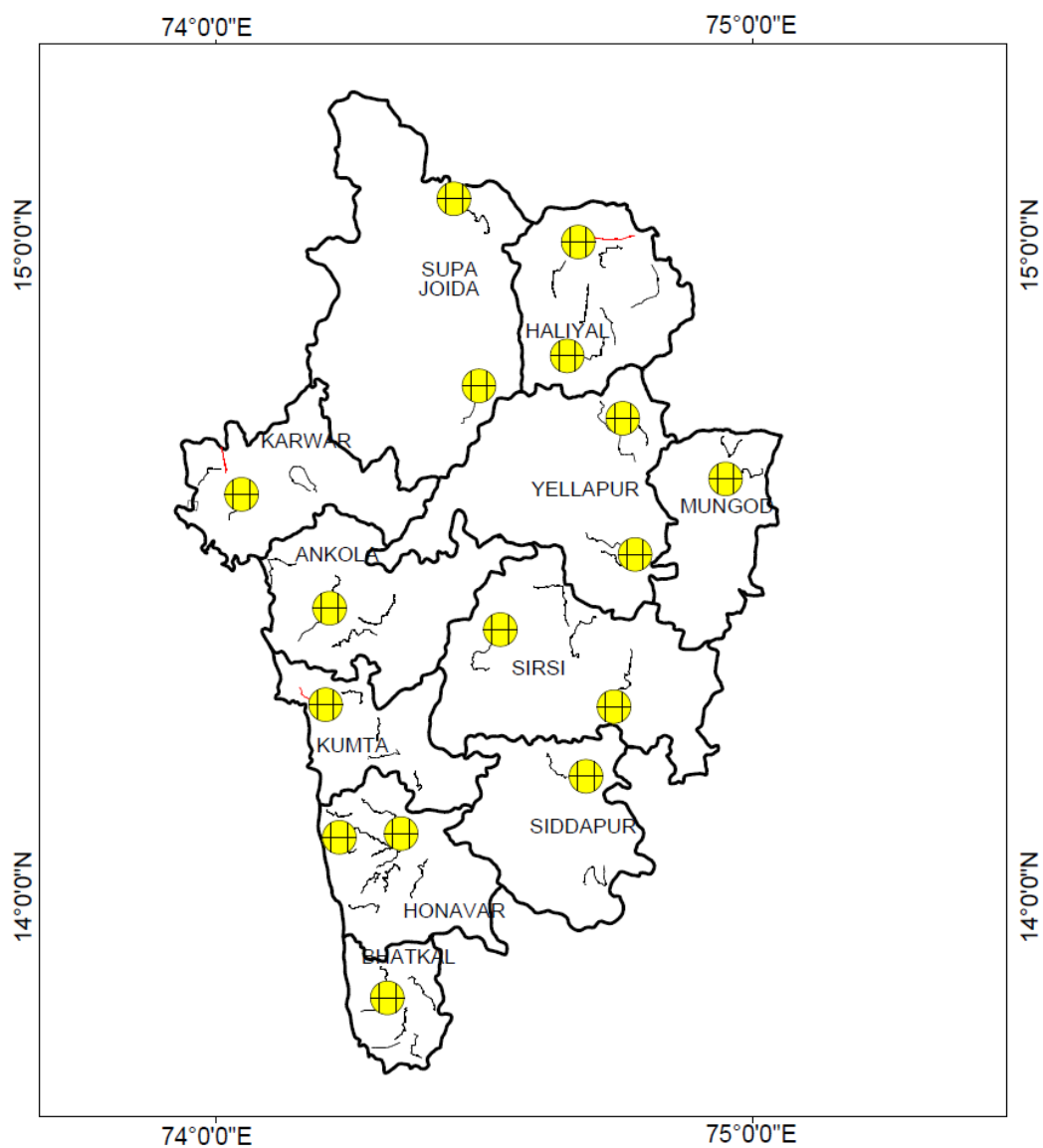
-  Ambient air Monitoring Location
-  Category A Road
-  Category B Road
-  Karwar District

Map Prepared By



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Ground water Quality Monitoring Location



Legend

-  Ambient air Monitoring Location
-  Category A Road
-  Category B Road
- Karwar District

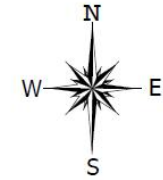
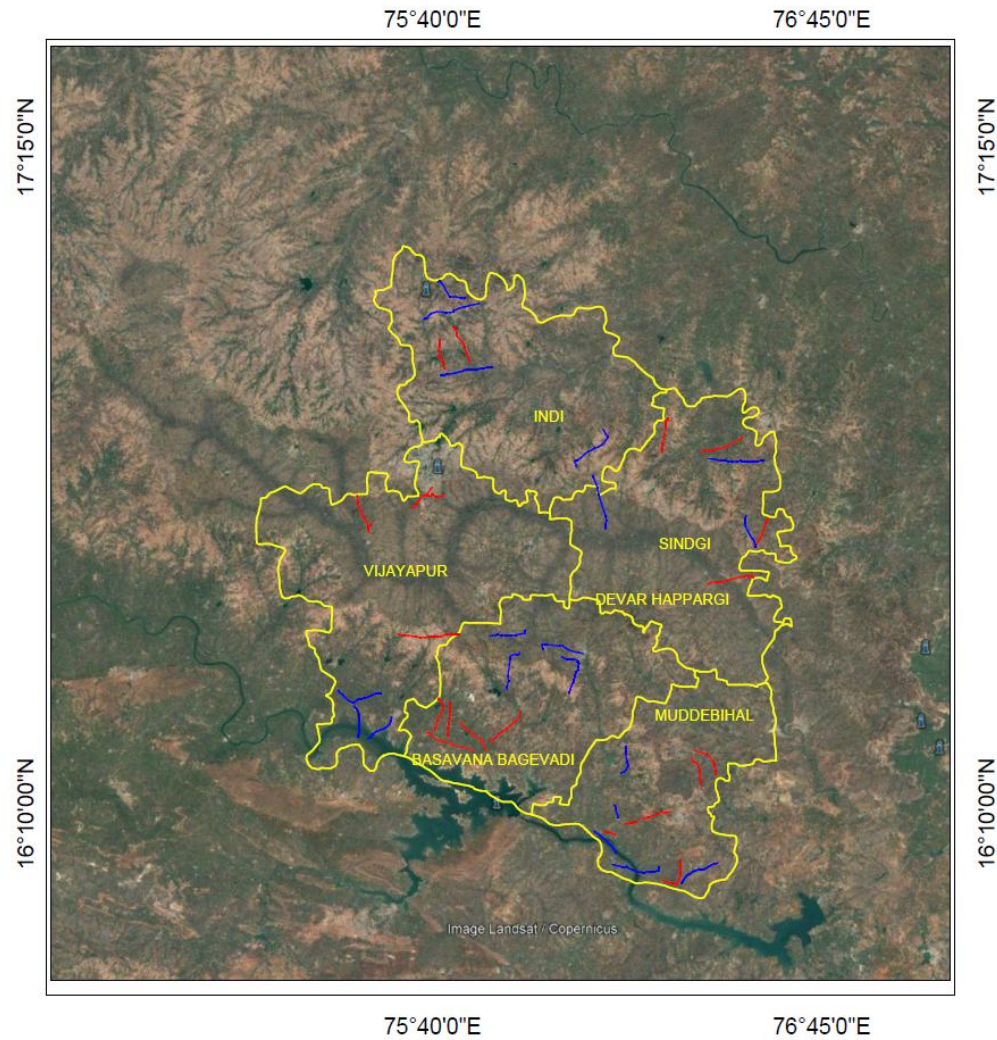
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Vijayapur District

Location Map of Study area



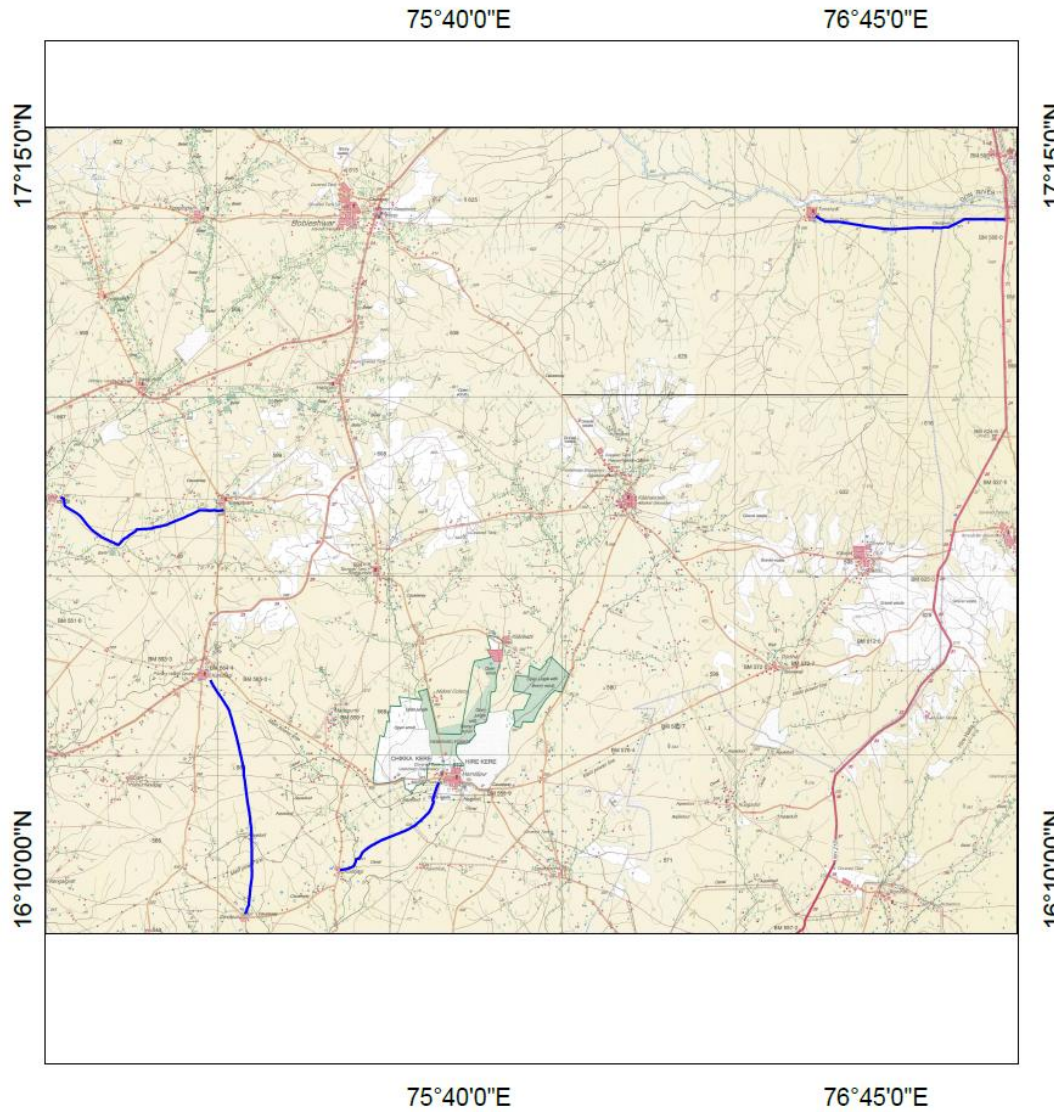
Legend

- Category A Road
- Category B Road
- Vijayapur District

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Roads Indicated On Toposheet



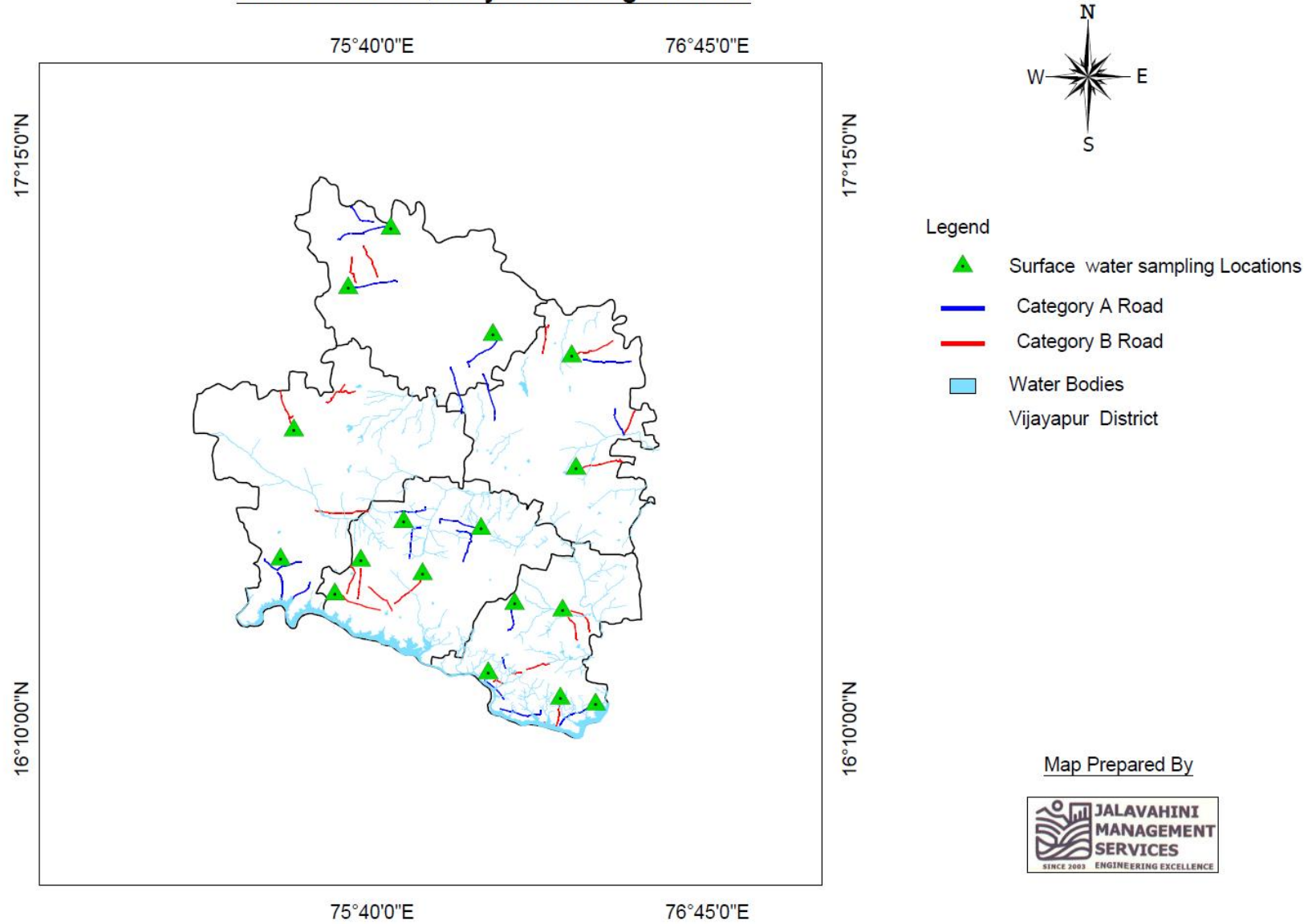
Legend

- Category A Road
- Category B Road
- Vijayapur District

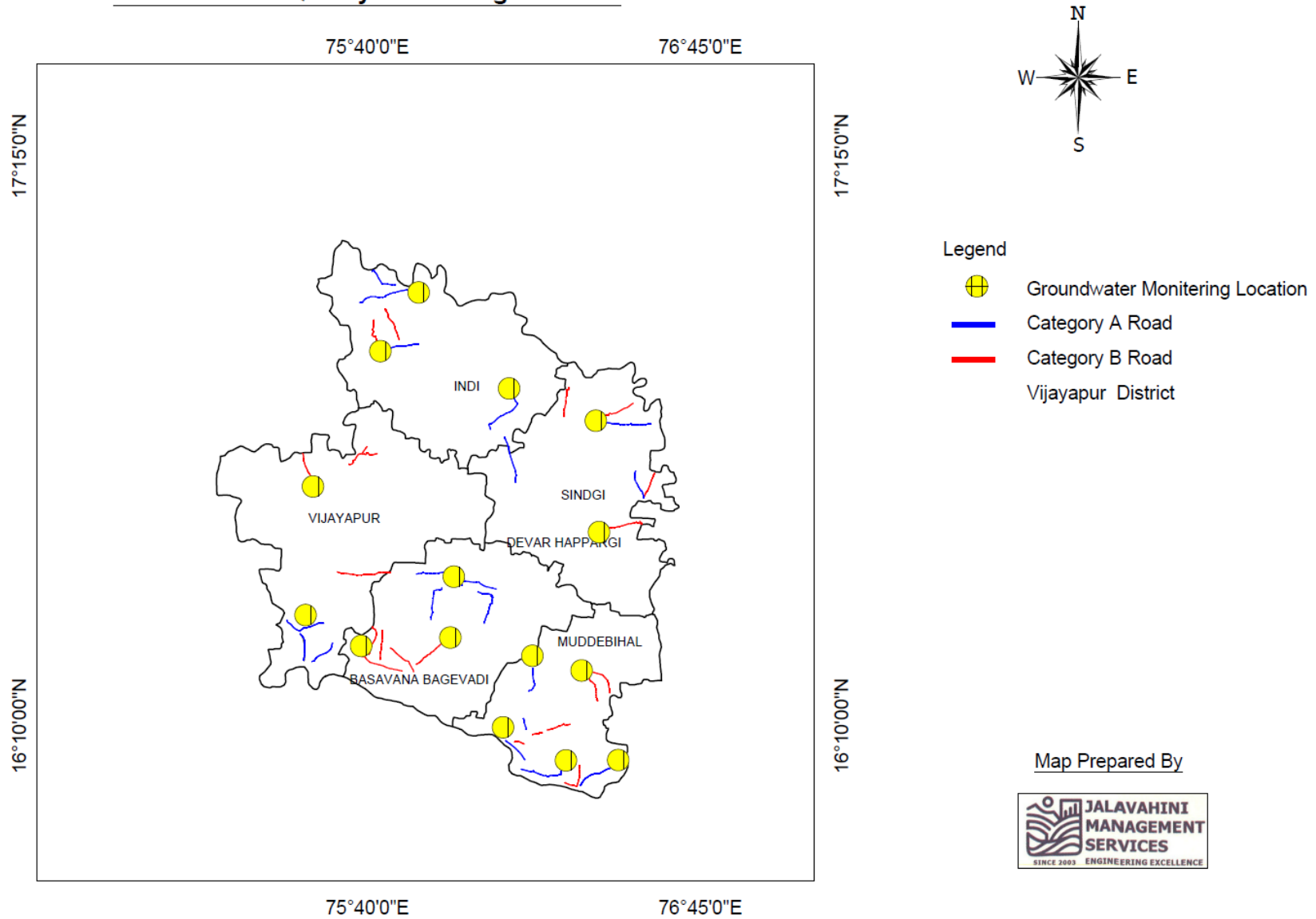
Map Prepared By



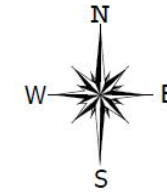
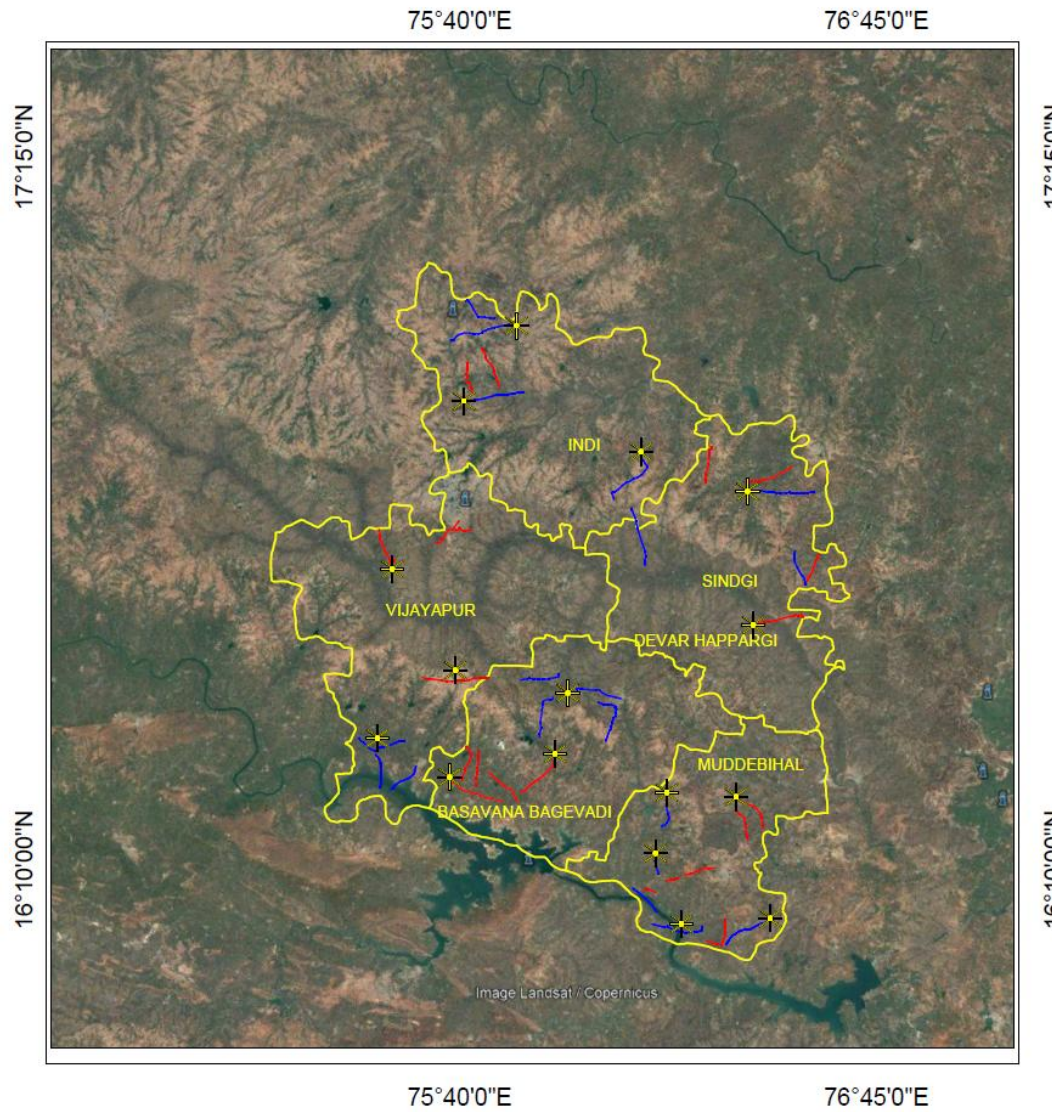
Surface water Quality Monitoring Location



Ground water Quality Monitoring Location



Ambient Noise Monitoring Location



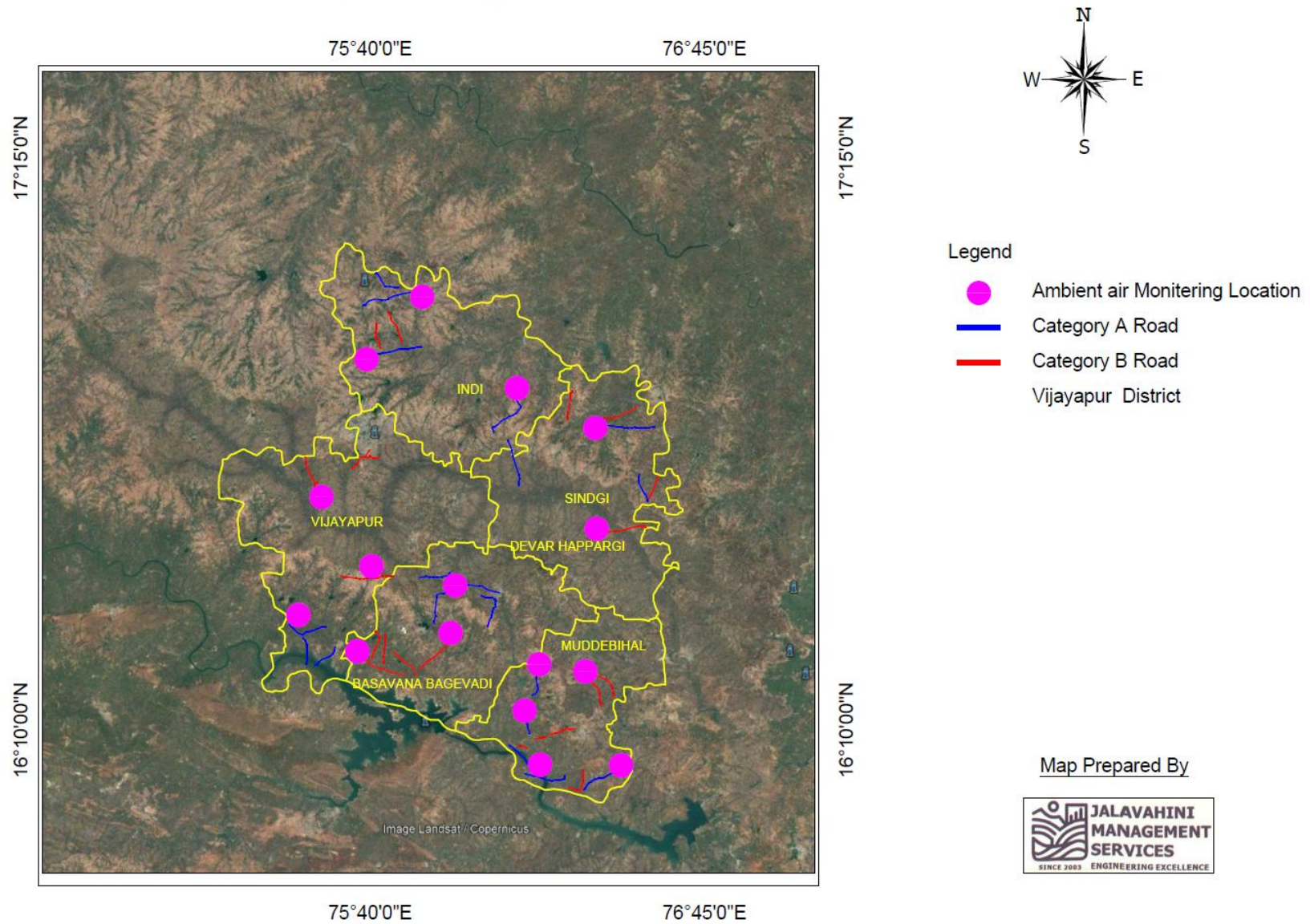
Legend

-  Noise Monitoring Location
-  Category A Road
-  Category B Road
- Vijayapur District

Map Prepared By



Ambient Air Quality Monitoring Location



SN.	Roads IDs	Air		Noise		Groundwater		Surface water		Soil	
		Lat	Long	Lat	Long	Lat	Long	Lat	Long	Lat	Long
1	118	15°56'4.68915"N	75°31'34.4851"E	15°55'59.73007"N	75°31'33.86953"E	15.933348°	75.52611°	15°54'38.82797"N	75°31'34.1055"E	15°55'40.82733"N	75°31'35.2621"E
2	3644	15°52'30.61427"N	75°32'23.97789"E	15°52'33.02147"N	75°32'24.63691"E	15°53'13.9867"N	75°32'45.13227"E	15°52'33.0785"N	75°32'24.46461"E	15°52'56.84557"N	75°30'40.00918"E
3	5251	15.925586°	75.547323°	15.925316°	75.548231°	15.92513°	75.549044°	15°55'30.82693"N	75°32'54.5939"E	15°55'21.42747"N	75°33'17.28961"E
4	166	16°16'27.67528"N	76°14'5.25198"E	16°16'12.72107"N	75°1'38.5085"E	16°14'53.29739"N	76°0'42.38781"E	16°12'31.4006"N	76°0'19'2243"E	16°16'2.41229"N	76°1'31.79551"E
5	1571	16.247274	75.996111	16.246444	75.995672	16.232992	75.989085	16°14'29.77489"N	75°59'35.09668"E	16°14'37.61522"N	75°59'39.09485"E
6	16	16°9'13.16043"N	75°30'29.90005"E	16°9'18.4878"N	75°30'28.8377"E	16°10'31.08578"N	75°30'29.39523"E	16°9'32.4513"N	75.30.2911315"E	16°9'37.84045"N	75°30'30.14537"E
7	109	16°3'53.87535"N	75°27'21.13342"E	16°3'55.38017"N	75°27'12.64735"E	16°4'0.89282"N	75°26'4904096"E	16°4'5.65682"N	75°26'29.3914"E	16°4'0.36672"N	75°26'51.70631"E
8	4598	16.061061°	75.51412°	16.061061°	75.514135°	16.061062°	75.514135°	16.054787°	75.517633°	16°3'23.06215"N	75°30'57.55108"E
9	2263	16.03686°	75.943428°	16.036847°	75.94341°	16.031202°	75.945161°	16.036992°	75.943015°	16°1'30.61934"N	75°56'35.98842"E
10	2267	16.001476°	75.959864°	16.001471°	75.959858°	16.001261°	75.959629°	15.980902°	75.962727°	15°58'44.72087"N	75°57'45.67513"E
11	3247	15.957784°	76.103724°	15.957728°	76.103219°	15.957728°	76.103219°	15.57'34.53236"N	76-5'5.38819"E	15°57'32.34378"N	76°5'45.67041"E
12	3407	15.950631°	76.118399°	15.94967°	76.118652°	15.947057°	76.1191°	15°55'39.49723"N	76°7'17.06098"E	15°56'37.4773"N	76°7'11.58847"E
13	1324	16.5208°	75.300351°	16.520832°	75.300346°	16.522816°	75.301799°	16.539114°	75.314401°	16°31'36.09446"N	75°18'18.72297"E
14	4487	16°37'16.82677"N	75°16'17.07124"E	16°37'20.93885"N	75°16'18.17745"E	16°37'29.47561"N	75°16'2110295"E	16°37'28.92689"N	75°16'2113127 E	16°37'35.07426"N	75°16'24.23596"E
15	1579	16.266655°	75.428309°	16.266627°	75.428299°	16.266639°	75.428309°	16°17'44.95473"N	75°2547.16924	16°16'58.46705"N	75°25'46.70002"E
16	2087	16°20'22.8638"N	75°10'35.832"E	16°20'23.48178"N	75°10'32.17631"E	16°20'28.75001"N	75°10'21.37854"E	16°21'12.42479 N	75°9'47.23268"E	16°20'34.82747"N	75°10'16.56264"E
17	4582	16°18'47.91561"N	75°19'4.89683"E	18°51.31496"N	75°19'55.78367"E	19°14.06227"N	75°19'9.63337"E	16°20'1.61286"N	75°19'26.56237"E	16°19'16.74376"N	75°19'10.15872"E
18	2818	16.463721°	75.180136°	16.463724°	75.18013°	16.463449°	75.180162°	16.466143°	75.178695°	16°26'51.55074"N	75°10'34.55983"E
19	2821	16.497298°	75.045445°	16.498032°	75.044929°	16.499554°	75.043789°	16°29'50.81802"N	76.2.43.00384"E	16°30'7.17672"N	75°23'1.04042"E
20	4607	16.516525°	75.204458°	16.515637°	75.204683°	16.51482°	75.206756°	16°30'33.5942"N	75°13'11.96483"E	16°30'53.53464"N	75°12'29.10567"E
21	671	166°39.79434"N	75°39'30.35573"E	16°6'24.21054"N	75°39'41.7136"E	16°8'10.27609"N	75°39'45.61339"E	15°53'28.26348 N	75°39'43.75643"E	15°53'25.54065"N	75°40'3.10817"E
22	679	16.129824°	75.493448°	16.131535°	75.493246°	16.132369°	75.49291°	16°87.44051 N	75°29'21.59445"E	16°8'6.10407"N	75°29'24.16535°
23	695	16.452951°	75.285454°	16.453067°	75.284541°	16.452968°	75.283551°	16.451313°	75.279233°	16.450008°	75.276993°
24	4749	16.463735°	75.180179°	16.462822°	75.180164°	16.462097°	75.179744°	16°26'49.8433	75°10'34.12048"E	16°26'51.55074"N	75°10'34.55983"E
25	3366	15°55'24.1681"N	75°33'14.5793"E	15°55'24.02477"N	75°33'18.03674"E	15°55.23.5127"N	75°33'20.687"E	15.55'27.69961"N	75342.16543"E	15°55'20.76724"N	75°34'3.11646"E
26	4799	15.891689°	75.658985°	15.891689°	75.658972°	15.891764°	75.659237°	15°53'28.26348 N	75°39'43.75643"E	15°53'19.71208"N	75°40'36.66049"E
27	4911	16.040876°	75.787779°	16.040878°	75.787779°	16.040911°	75.78779°	16.2'22.70762"N	75°47'27.88276"E	16°2'23.77838"N	75°47'34.58822"E
Air	825	16°15'4.36432"N	75°53'58.46664"E	16°156.15882"N	75.53'58.84413"E	16°15'9.30259"N	75°54'3.79341"E	16°156.39328 N	75.63.599718"E	16°15'21.65783"N	75°54'20.17654"E
30	3367	16.180634°	75.854339°	16.180634°	75.85434°	16.180769°	75.85407°	16.172884°	75.851991°	16°10'27.47928"N	75°51'8.95398"E
31	2765	16.118017°	75.894574°	16.117996°	75.894564°	16.118018°	75.894568°	166°57.54771"N	75°53'55.70444"E	16°6'43.75916"N	75°54'2.46632"E
32	2968	16°8'9.34621"N	75°44'39.56714"E	16°8'8.96947"N	75°44'40.81125"E	16°8'1.70593 N	75°44'53.489515"E	16°6'58.65181"N	75°45'43.96721"E	16°7'50.59555"N	75°45'4.30086"E
34	4925	16°23'37.48496"N	75°31'56.188479"E	16°23'39.39246"N	75°31'57.44575"E	16°23'42.6438"N	75°31'59.75261"E	16°23'58.09589"N	75°32'6.71124E	16°23'37.11637"N	75°31'56.69288"E
35	630	16.105764°	75.545354°	16.105768°	75.545328°	16.105582°	75.545406°	16.395638°	75.264021°	16°5'55.57038"N	75°32'38.95457"E
36	901	16°5'38.33359"N	75°34'46.5097"E	16°5'49.95514"N	75°34'43.13103"E	16°5'51.75386N	75°34'43.27496 E	16°6.16.47295"N	75°34.20.31974"E	16°7'32.23838"N	75°33'32.82513"E
37	904	16.111694°	76.043973°	16.111691°	76.043971°	16.108591°	76.036108°	16.169276°	76.003466°	16.068182°	76.054965°
38	909	16°3'23.56321"N	76°3'53.53734"E	16°3'23.05053"N	76°4'046006"E	16°3'21.13006"N	76°411.00255"E	16°3'18.68318"N	76°4'43.45741"E	16°3'19.52913"N	76°4'21.35494"E
39	4007	16.595022°	75.383158°	16.595979°	75.383121°	16.596892°	75.383055°	16.62098°	75.399607°	16°37'35.07426"N	75°16'24.23596"E
40	3378	16.395599°	75.264051°	16.395629°	75.264028°	16.395638°	75.264021°	16.403924°	75.260782°	16°24'3.85385"N	75°15'54.90932"E
41	4446	16.310162°	75.184633°	16.30798°	75.179162°	16.30798°	75.179162°	16.266694°	75.163111°	16.272786°	75.218552°
42	1902	16.36025°	75.334476°	16.359711°	75.331926°	16.359711°	75.331926°	16.313255°	75.319171°	16.324198°	75.331926°
43	1911	16°25'12.94204"N	75°6'33.76994"E	16°25'15.48774 N	75°6'28.8961"E	16°25'20.25552 N	75°6'16.84517"E	16°25'31.74278"N	75°5'53.72852"E	16°25'24.74343"N	7567.24564"E
44	4815	16°30'45.70789"N	75°5'6.82865"E	16°30'48.70606"N	75°4'49.93013"E	16°30'54.57899 N	75°1'38.6384"E	16°31'19.15762"N	75°4'5.75445"E	16°30'54.50114"N	75°4'38.82548"E
45	2191	16°29'43.07199"N	75°10'59.06814"E	16°29'58.71478"N	75°10'54.97824"E	16°30'10.11575"N	75°10'5190705"E	16°29'43.53487"N	75°10'59.00055"E	16°30'9.24415"N	75°10'51.94929"E
46	#####	15°18'8.27"N	77° 2'56.54"E	15°18'6.60"N	77° 2'56.07"E	15°18'12.65"N	77° 2'46.40"E	15°18'28.91"N	77° 1'18.58"E	15°18'34.52"N	77° 0'19.34"E
47	2044	15° 6'58.47"N	76°53'49.30"E	15° 7'2.00"N	76°53'48.79"E	15° 8'7.14"N	76°53'14.58"E	15° 8'3.67"N	76°53'2.83"E	15° 6'48.50"N	76°53'49.97"E
48	5229, 1837, 2919, 2912, 4363	14°56'43.14"N	75°53'4.56°	14°56'43.14"N	75°53'4.56°			14°56'22.87"N	75°52'57.28"E	14°55'38.00"N	75°53'38.00"E
49	5230	14°48'39.89"N	75°43'34.45"E	14°48'39.89"N	75°43'34.45"E	14°48'40.88"N	75°43'34.86"E			14°48'13.00"N	75°43'40.00"E

50	5313, 5314, 5315, 4809, 4898, 1814	15°22'6.99"N	76°44'47.93"E	15°23'32.15"N	76°46'29.76"E	15°24'7.48"N	76°46'46.75"E	15°22'40.71"N	76°45'39.94"E	15°22'41.32"N	76°45'40.49"E
51	1850	14°56'47.91"N	76°32'39.89"E	14°56'38.90"N	76°32'42.93"E	14°56'37.98"N	76°32'43.05"E	14°56'40.89"N	76°32'42.62"E	14°56'43.59"N	76°32'42.41"E
52	2056	14°56'3.75"N	76°35'16.61"E	14°56'4.92"N	76°35'15.49"E	14°55'39.36"N	76°35'27.39"E	14°56'4.04"N	76°35'16.38"E	14°55'55.35"N	76°35'17.77"E
53	4384	15°15'16.12"N	76°43'51.35"E	15°15'16.47"N	76°43'42.45"E	15.254467	75.73108	15.254315	76.73099	15°15'16.55"N	76°43'34.53"E
54	4857	15°15'18.08"N	76°43'57.17"E	15°15'17.70"N	76°43'56.22"E	15.252973	76.732488	15.254468	76.73243	15°16'0.89"N	76°44'17.41"E
55	4828, 4863, 4879, 1692, 1693, 5048	15°26'5.97"N	76°49'57.39"E	15°26'4.47"N	76°49'55.69"E	15°26'6.37"N	76°49'56.75"E	15°25'8.89"N	76°48'39.05"E	15°25'41.03"N	76°49'30.30"E
56	4720	15°17'43.23"N	76°26'38.17"E	15°17'47.03"N	76°26'33.01"E	15°17'53.47"N	76°26'19.80"E	15°17'46.60"N	76°25'58.18"E	15°17'43.00"N	76°25'19.68"E
57	4769	15°19'59.10"N	76°30'50.83"E	15°19'54.67"N	76°30'48.82"E	15°19'35.57"N	76°30'13.23"E	15°19'33.90"N	76°30'11.89"E	15°19'28.77"N	76°30'10.58"E
58	4849	14°53'12.91"N	76°28'52.39"E	14°53'11.12"N	76°28'52.07"E	14°53'7.15"N	76°28'51.68"E	14°53'4.59"N	76°28'51.50"E	14°52'55.06"N	76°28'50.75"E
59	4890	15° 47.33"N	76°45'36.34"E	15° 4'26.79"N	76°44'50.29"E	15° 4'26.04"N	76°44'46.17"E	15° 4'27.88"N	76°44'49.13"E	15° 4'16.20"N	76°45'16.46"E
60	5046	15°11'55.21"N	76°40'27.16"E	15°11'53.59"N	76°40'25.31"E	15°12'2.97"N	76°40'36.63"E	15°12'7.09"N	76°40'42.25"E	15°12'13.58"N	76°41'0.62"E
61	1489, 3618, 3701, 4337, 2120, 1293	12°51'56.32"N	76°28'15.27"E	12°51'56.67"N	76°28'15.48"E	12°52'52.11"N	76°28'17.35"E	12°51'53.77"N	76°28'9.33"E	12°52'9.64"N	76°28'14.26"E
62	2132	15°10'17.65"N	76°54'8.39"E	15°10'19.66"N	76°54'10.30"E	15°10'22.05"N	76°54'11.60"E	15°11'27.78"N	76°54'42.47"	15°11'21.25"N	76°54'33.33"E
63	1712	15°10'2.22"N	76°53'0.80"E	15°10'2.94"N	76°52'56.87"E	15°10'1.33"N	76°52'47.27"E	15° 9'50.99"N	76°52'33.65"E	15°10'3.15"N	76°52'32.12"E
64	1761	15° 7'14.11"N	76°58'24.58"E	15° 7'3.86"N	76°58'24.49"E	15° 7'0.73"N	76°58'24.69"E	15° 8'18.35"N	76°58'29.19"E	15° 8'8.75"N	76°58'28.82"E
65	4394	15° 7'0.18"N	76°58'28.65"E	15° 7'1.51"N	76°58'28.20"E	15° 7'2.25"N	76°58'26.75"E	15° 7'2.21"N	76°58'30.15"E	15° 7'0.12"N	76°58'55.57"E
66	4187	15° 7'14.74"N	76°56'19.38"E	15° 7'16.39"N	76°56'16.22"E	15° 7'10.83"N	76°56'20.63"E	15° 7'8.13"N	76°56'35.10"E	15° 7'9.53"N	76°56'48.26"E
67	2098	14°58'6.30"N	76°40'6.78"E	14°58'4.84"N	76°40'6.50"E	14°56'54.94"N	76°41'13.81"E	14°56'54.61"N	76°41'12.62"E	14°56'54.26"N	76°41'9.27"E
70	4197	13° 16'22.07"	77° 36'10.43"	13° 16'22.07"	77° 36'10.43"	13° 16'22.74"	77° 36'12.68"			13° 16'25.22"	77° 35'28.96"
71	1999	13° 21'54.87"	77° 38'24.72"	13° 21'54.87"	77° 38'24.72"	13° 21'53.68"	77° 38'25.51"	13° 22'10.87"	77° 37'57.31"	13° 21'43.65"	77° 38'38.27"
72	2003	13° 21'51.72"	77° 33'49.36"	13° 21'51.72"	77° 33'49.36"	13° 21'54.56"	77° 33'58.31"			13° 21'54.56"	77° 33'58.31"
73	2005	13° 15'12.02"	77° 40'20.54"	13° 15'12.02"	77° 40'20.54"	13° 15'12.02"	77° 40'20.54"			13° 13'50.92"	77° 40'10.42"
74	5127	13° 19'42.43"	77° 46'43.48"	13° 19'42.43"	77° 46'43.48"	13° 18'36.22"	77° 46'03.86"			13° 18'57.01"	77° 46'11.05"
90	4579, 5272, 703, 398, 410, 2809, 2810, 2823, 4837	16.691274	75.050801	16.691274	75.050801	16.691203	75.050842	16.568542	75.164269	15.891889	75.123597
91	2735	15.801675"N	74.478867"E	15.830392"N	74.530495"E	15.862494"N	74.493545"E			15.801675"N	74.462197"E
92	3996	15.814827"N	74.534157"E	15.823376"N	74.531774"E	15.827794"N	74.530931"E			15.831647"N	74.364785"E
93	5214	15.654985"N	74.659348"E	15.648795"N	74.647895"E	15.596478"N	74.659874"E			15.654789"N	74.635947"E
94	704	15.934687"N	74.264781"E	15.985436"N	74.365474"E	15.36484"N	74.654789"E			15.759846"N	74.364789"E
95	710, 1686, 4070, 726, 4218, 4220, 2068, 617	15.958845	74.530399	15.958845	74.530399	15.960556	74.524272	15.991683	74.620183	16.106269	74.658458
96	2270, 2271, 227 4, 564, 3162	16.579544	74.749102	16.579544	74.749102	16.579387	74.749383	16.576744	74.747714	16.545933	74.698406
97	565, 567, 3294, 3157, 4691, 4081	16.191393	74.687826	16.191393	74.687826	16.191393	74.687826	16.210268	74.682609	16.176297	74.610044
98	3751, 827, 1013, 470, 476, 1276, 1014, 1017, 1866, 3201, 1211, 1392	15.481225	74.714518	15.481225	74.714518	15.481367	74.714406	15.481203	74.714689	15.535181	74.6998
99	1294, 3444, 4499, 344, 4736, 4844	16.54873	74.947304	16.54873	74.947304	16.546301	74.947742	16.5141	74.9497	16.582339	74.922567
100	677, 707, 713, 5219, 5298, 2826, 2827	16.437171	74.738279	16.437171	74.738279	16.431112	74.731701	16.696114	75.063439	16.607956	75.099928
102	1356, 1376, 2450, 2462, 2462, 4062, 3117, 3808	16.150257	75.128612	16.150257	75.128612	16.148991	75.128212	16.155089	75.141408	16.137283	75.244775
103	113	15°47'0.00"N	74°31'5.78"E	15°47'55.60"N	74°30'36.15"E	15°48'52.50"N	74°30'12.39"E			15°48'3.82"N	74°30'34.80"E
104	3182	15°49'51.88"N	74°31'50.52"E	15°49'42.16"N	74°32'6.56"E	15°49'35.18"N	74°32'14.11"E			15°49'28.70"N	74°32'27.80"E
105	2456	15°46'14.05"N	74°32'32.10"E	15°46'28.99"N	74°32'28.68"E	15°46'41.72"N	74°32'42.63"E			15°46'39.20"N	74°32'48.84"E
106	5258	15°46'49.97"N	74°30'56.56"E	15°46'48.61"N	74°30'34.82"E	15°46'47.82"N	74°30'23.21"E			15°46'42.39"N	74°30'2.88"E
107	536	15°48'24.4"N	74°51'17.0"E	15°48'24.4"N	74°51'17.0"E	15.806493,	74.854793			15°48'22.3"N	74°51'17.2"E
108	758	15.81377395347577,	74.84425929	15.81377395347577,	74.84425929	15°48'50.7"N	74°50'37.4"E			15°48'50.2"N	74°50'37.0"E
109	2756	15.822275419414437,	74.84753502	15.822275419414437,	74.84753502	15°49'14.7"N	74°50'59.0"E			15°49'15.7"N	74°50'57.3"E
110	781, 4914, 5067, 5305, 41, 55, 4522, 1653	15.937267	74.794191	15.937267	74.794191	15.937194	74.794248	15.937972	74.792803	15.970375	74.831106
111	205, 979, 4791, 4795, 2795, 2837, 3771, 3772	15.888296	75.164366	15.888296	75.164366	15.8882	75.164269	16.568542	75.164269	15.891889	75.123597
113	3097	15.845732"	74.88097"	15.846296",	74.879198"	15.847099" N	74.87626" E			15.84756"N	74.876295" E
114	30	15.640785"	74.939068"	15.90921"	74.897303"	15.90921"N	74.897303"E			15.908182"N	74.891637"E
115	1358	15.897297" N	74.923362" E	15.897345" N	74.92327" E	15.89751"	74.922450"			15.897483" N	74.922578" E
116	1366, 46, 127, 3176, 1142, 759, 800, 4773	16.26749	74.862628	16.26749	74.862628	16.267519	74.862602	16.267825	74.861369	16.221297	74.826717
117	5246	13.14'06.61"	77.37'45.02"	13.14'06.61"	77.37'45.02"	13.13'57.51"	77.38'04.58"	13.14' 20.15"	77.37'45.44"	13.14'06.61"	77.37'45.02"

118	5290	13.31822	77.430896	13.31822	77.430896						
119	5292	13.175363	77.815579	13.181562	77.820797	13.181562	77.820797			13.181668	77.820432
120	5295	13.24134	77.95606	13.223215	77.948295	13.223238	77.948799			13.229811	77.94944
121	1005	13.206901	77.927405	13.182138	77.831598	13.182138	77.831598				
123	3844, 1132, 2895, 4451, 2373, 2440, 3555, 4752 4503, 520	12.834176	77.700852	12.834176	77.700852	12.834176	77.700852	12.730245	77.715235	12.834176	77.700852
124	1510, 3847, 4914, 4018 4897, 3817,	13.120846	77.424039	13.120846	77.424039	13.120846	77.424039	13.097733	77.460497	13.120846	77.424039
125	3819, 4189, 2261, 4196, 4321	12.91916	77.38599	12.91916	77.38599	12.91916	77.38599	12.960268	77.425442	12.91916	77.38599
126	4943, 4549, 4550, 1532	17°58'20.76"N	77°29'37.29"E	17°58'20.76"N	77°29'37.29"E	18° 0'5.52"N	77°29'7.66"E	17°57'08.9"N	77°30'33.6"E	18° 8'38.49"N	77°27'44.04"E
127	1141, 2230, 3349	18° 7'35.98"N	77°13'20.74"E	18° 7'35.98"N	77°13'20.74"E	18° 7'33.05"N	77°13'10.66"E	18° 7'12.85"N	77°13'27.77"E	18° 2'33.78"N	77°14'55.27"E
128	1149, 1169, 4348, 4435	18°16'5.87"N	77°17'32.11"E	18°16'5.87"N	77°17'32.11"E	18°16'41.31"N	77°17'19.68"E	18°16'57.24"N	77°17'5.16"E	18°17'33.05"N	77°17'49.80"E
129	954, 2380, 1334, 1338, 2227	17°57'10.36"N	76°58'16.81"E	17°57'10.36"N	76°58'16.81"E	18° 0'2.84"N	76°58'53.52"E	17°57'27.49"N	76°58'14.62"E	17°56'10.14"N	77° 2'41.47"E
130	3662, 4545, 4592, 3321	18° 5'53.62"N	77° 2'47.62"E	18° 5'53.62"N	77° 2'47.62"E	18° 6'5.38"N	77° 1'9.41"E	18° 5'41.79"N	77° 2'46.45"E	18° 5'56.28"N	77° 3'3.86"E
131	2318, 2338	17°37'39.57"N	77°237.17"E	17°37'39.57"N	77°237.17"E	17°38'37.95"N	77°23'34.58"E	17°38'34.91"N	77°22'20.75"E	17°38'32.52"N	77°23'25.22"E
132	1505, 2409	17°41'55.34"N	76°58'15.69"E	17°41'55.34"N	76°58'15.69"E	17°40'6.29"N	76°56'10.03"E	17°42'16.84"N	76°58'13.41"E	17°58'14.97"N	77°27'28.36"E
133	2631, 1547, 3896	17°50'51.33"N	77° 3'12.98"E	17°50'51.33"N	77° 3'12.98"E	17°50'53.19"N	77° 37.11"E	17°50'51.28"N	77° 37.32"E	17°50'0.16"N	77° 1'50.59"E
134	4948, 4955, 4980, 1535	18° 0'10.18"N	77°26'10.17"E	18° 0'10.18"N	77°26'10.17"E	18° 0'10.29"N	77°26'12.48"E	17°58'14.7"N	77°25'16.50"E	17°58'14.97"N	77°27'28.36"E
135	5172, 5174, 317	17°49'54.61"N	77°27'20.36"E	17°49'54.61"N	77°27'20.36"E	17°50'40.48"N	77°25'18.53"E	17°47'40.49"N	77°26'3.35"E	17°50'30.71"N	77°25'32.56"E
136	2416, 2417, 1494	17°44'39.08"N	77° 9'31.72"E	17°44'39.08"N	77° 9'31.72"E	17°44'34.41"N	77° 9'16.20"E	17°44'17.28"N	77°10'35.13"E	17°45'14.69"N	77° 6'59.08"E
137	686, 4175	11.9668	76.9452	11.9668	76.9452	11.9668	76.9454			11.9662	76.9543
138	3693, 5047, 1444	11.9986	76.9774	11.9986	76.9774	11.9989	76.9771	11.9987	76.9746	11.997	76.978
139	5058	11.8975	76.6819	11.8975	76.6819	11.8966	76.6813	11.8943	76.6832	11.8921	76.6852
140	5222	11.7594	76.6622	11.7594	76.6622	11.7597	76.6613	11.7605	76.6597	11.7622	76.6583
141	120, 960, 5328	12.0047	77.029	12.0047	77.029	12.0058	77.0291	12.0044	77.0291	12.0089	77.0293
142	2211	12.1305	76.8561	12.1305	76.8561	12.1306	76.8566	0	0	12.1279	76.8507
143	2485, 3539	11.8993	77.0505	11.8993	77.0505	11.8994	77.0511	11.9211	77.0556	11.8995	77.0514
144	2789	12.25742	77.2086	12.25742	77.2086	12.26	77.2114			12.2596	77.2114
145	1697	12.10775	77.62249	12.10775	77.62249	12.1119	77.6076			12.1111	77.603
146	1897, 1203	12.1545	77.4749	12.1545	77.4749	12.111	77.4758			12.153011	77.47412
147	3462	12.0081	77.4999	12.0081	77.4999	12.0071	77.4889			12.0067	77.489
148	2477	11.9664	77.0985	11.9664	77.0985	11.9668	77.0985	11.948	77.0951	11.9651	77.0984
149	3546, 1218	11.9246	76.8015	11.9246	76.8015	11.9225	76.8004	12.9213	76.7902	11.9169	76.7879
150	1425, 1302	12.07258	76.93406	12.07258	76.93406	12.0726	76.9336	12.1	76.9262	12.0906	76.9258
151	3565	13°55'4.54"N	77°50'55.30"E	13°55'4.54"N	77°50'55.30"E	13°55'34.28"N	77°51'16.91"E	13°55'10.15"N	77°49'44.46"E	13°54'28.68"N	77°50'0.35"E
152	438	13°25'56.96"N	77°43'31.38"E	13°25'56.96"N	77°43'31.38"E	13°27'50.66"N	77°44'0.92"E	13°27'42.38"N	77°42'37.45"E	13°28'24.89"N	77°42'18.65"E
153	912	13°18'21.81"N	77°58'16.92"E	13°18'21.81"N	77°58'16.92"E	13°18'10.79"N	77°56'51.01"E	13°18'28.19"N	77°58'2.33"E	13°19'5.38"N	77°56'10.57"E
154	212	13°40'48.33"N	77°33'13.75"E	13°40'48.33"N	77°33'13.75"E	13°41'10.34"N	77°35'33.39"E			13°41'8.27"N	77°35'11.48"E
155	220	13°34'30.25"N	77°32'1.08"E	13°34'30.25"N	77°32'1.08"E	13°35'47.68"N	77°31'36.97"E	13°34'49.07"N	77°31'48.83"E	13°35'26.27"N	77°31'37.22"E
156	550	13°49'49.89"N	78° 5'52.43"E	13°49'49.89"N	78° 5'52.43"E	13°49'38.01"N	78° 5'51.54"E			13°51'31.18"N	78° 5'25.14"E
157	798	13°45'10.63"N	77°48'46.65"E	13°45'10.63"N	77°48'46.65"E	13°44'42.33"N	77°48'14.33"E	13°44'37.61"N	77°47'39.06"E	13°45'20.19"N	77°48'55.55"E
158	71	13°37'51.58"N	77°40'46.82"E	13°37'51.58"N	77°40'46.82"E	13°37'38.88"N	77°41'31.75"E	13°37'38.18"N	77°40'7.81"E	13°36'4.76"N	77°41'52.05"E
159	183	13°22'19.82"N	77°47'50.74"E	13°22'19.82"N	77°47'50.74"E	13°22'29.88"N	77°48'24.68"E			13°22'41.52"N	77°48'59.28"E
160	186	13°33'5.75"N	77°48'57.98"E	13°33'5.75"N	77°48'57.98"E	13°31'58.34"N	77°48'56.12"E	13°33'12.08"N	77°48'40.66"E	13°31'19.88"N	77°48'43.30"E
161	3235	13°23'3.56"N	78° 1'58.99"E	13°23'3.56"N	78° 1'58.99"E	13°22'45.22"N	78° 1'32.11"E	13°22'53.80"N	78° 2'13.24"E	13°22'46.94"N	78° 0'0.70"E
162	4939	13°28'36.74"N	78° 0'35.55"E	13°28'36.74"N	78° 0'35.55"E	13°29'0.37"N	78° 1'18.12"E	13°28'27.41"N	78° 0'30.74"E	13°28'59.35"N	78° 1'56.43"E
163	4941	13°23'16.28"N	78° 4'50.73"E	13°23'16.28"N	78° 4'50.73"E	13°23'36.89"N	78° 5'1.89"E	13°24'5.35"N	78° 4'56.30"E	13°24'8.61"N	78° 4'34.65"E
164	517	13°20'58.71"N	78° 4'43.88"E	13°20'58.71"N	78° 4'43.88"E	13°20'33.19"N	78° 3'21.66"E			13°20'38.94"N	78° 3'41.43"E

165	524	13°28'34.02"N	77°29'15.71"E	13°28'34.02"N	77°29'15.71"E	13°29'49.22"N	77°29'33.97"E			13°28'56.24"N	77°29'4.35"E
166	3299	13°38'48.67"N	77°29'35.79"E	13°38'48.67"N	77°29'35.79"E	13°38'54.69"N	77°29'42.49"E			13°38'8.64"N	77°29'30.16"E
167	1093	13°19'27.51"N	77°52'1.57"E	13°19'27.51"N	77°52'1.57"E	13°19'25.47"N	77°52'2.68"E			13°19'39.23"N	77°51'7.67"E
168	4562	13°36'9.80"N	77°51'45.01"E	13°36'9.80"N	77°51'45.01"E	13°36'6.25"N	77°50'36.69"E	13°36'7.96"N	77°52'14.70"E	13°37'1.96"N	77°50'26.39"E
169	4586	13°23'3.70"N	78° 1'58.93"E	13°23'3.70"N	78° 1'58.93"E	13°22'45.22"N	78° 1'32.11"E	13°22'53.80"N	78° 2'13.24"E	13°22'46.94"N	78° 0'0.70"E
170	1099	13°19'46.07"N	77°50'29.62"E	13°19'46.07"N	77°50'29.62"E	13°19'25.47"N	77°52'2.68"E			13°19'39.23"N	77°51'7.67"E
171	4563	13°30'31.13"N	78° 7'57.80"E	13°30'31.13"N	78° 7'57.80"E	13°29'38.59"N	78° 7'26.56"E			13°31'42.51"N	78° 9'12.78"E
172	2815	13°33'27.95"N	78° 3'8.14"E	13°33'27.95"N	78° 3'8.14"E	13°33'38.59"N	78° 1'33.50"E			13°33'10.06"N	78° 3'43.71"E
173	2911	13°17'6.41"N	75°59'54.21"E	13°17'3.24"N	75°59'54.06"E	13°17'11.38"N	75°59'54.63"E			13°17'38.47"N	76° 0'2.91"E
174	4328	13°30'22.60"N	75°54'25.78"E	13°30'6.09"N	75°53'57.69"E	13°30'6.22"N	75°53'55.45"E			13°30'21.96"N	75°53'12.30"E
175	4356	13°12'43.25"N	75°22'57.11"E	13°12'40.30"N	75°22'52.56"E	13°12'55.96"N	75°23'3.50"E			13°12'57.72"N	75°23'18.04"E
176	4361	13° 8'41.04"N	75°30'37.38"E	13° 8'48.67"N	75°30'53.81"E	13° 9'30.10"N	75°31'30.04"E			13° 8'48.86"N	75°30'51.38"E
177	4362	13° 5'2.97"N	75°39'36.15"E	13° 4'21.08"N	75°39'0.02"E	13° 5'3.28"N	75°39'36.67"E	13° 4'26.22"N	75°39'14.78"E	13° 4'26.30"N	75°38'51.75"E
178	5030	13° 4'22.85"N	75°43'56.17"E	13° 4'15.69"N	75°44'6.00"E	13° 4'19.96"N	75°43'59.28"E			13° 4'10.47"N	75°44'14.10"E
179	3628	13°15'9.29"N	75°25'36.00"E	13°14'46.59"N	75°26'29.26"E	13°14'53.03"N	75°26'33.48"E			13°15'2.43"N	75°26'30.94"E
180	3636	13°16'11.77"N	75°40'24.97"E	13°16'3.21"N	75°39'27.79"E	13°16'2.60"N	75°39'12.48"E			13°16'2.17"N	75°39'23.42"E
181	5070	13°31'33.85"N	75°22'1.24"E	13°31'34.80"N	75°21'59.44"E	13°31'33.06"N	75°22'1.41"E			13°30'50.83"N	75°22'34.16"E
182	4482	13°29'20.42"N	75°19'28.96"E	13°29'57.13"N	75°20'29.10"E	13°29'19.71"N	75°19'36.56"E			13°29'53.41"N	75°20'21.21"E
183	4484	13°20'15.93"N	75°20'48.78"E	13°20'8.83"N	75°20'54.57"E	13°20'26.31"N	75°21'49.44"E			13°20'7.78"N	75°20'59.55"E
184	4933	13°41'38.63"N	75°28'12.56"E	13°41'39.69"N	75°28'9.40"E	13°41'33.87"N	75°27'44.92"E			13°41'33.00"N	75°28'1.16"E
185	4938	13°39'42.72"N	75°31'31.49"E	13°38'50.90"N	75°31'37.55"E	13°38'38.18"N	75°30'39.30"E	13°38'26.37"N	75°30'56.37"E	13°38'58.37"N	75°31'48.21"E
186	169	13°27'20.40"N	75°28'2.95"E	13°27'19.70"N	75°28'7.15"E	13°26'16.84"N	75°29'27.74"E			13°27'13.69"N	75°28'24.70"E
187	929	13°26'35.38"N	75°26'36.77"E	13°26'26.14"N	75°26'42.72"E	13°26'24.94"N	75°26'41.78"E			13°26'22.83"N	75°26'32.53"E
188	940	13°42'28.39"N	75°50'19.77"E	13°43'22.88"N	75°51'19.36"E	13°42'24.06"N	75°50'16.62"E			13°43'7.72"N	75°50'38.85"E
189	3704	13°41'53.91"N	75°39'12.92"E	13°41'30.89"N	75°39'9.76"E	13°41'50.51"N	75°39'12.92"E	13°41'20.49"N	75°39'8.62"E	13°41'44.02"N	75°39'13.42"E
190	4350	13°24'44.84"N	76° 7'14.57"E	13°24'44.84"N	76° 7'14.57"E	13°25'17.39"N	76° 6'28.33"E	13°24'48.72"N	76° 7'13.47"E	13°24'37.33"N	76° 7'12.95"E
191	4369	13°24'47.16"N	75°56'2.47"E	13°24'47.23"N	75°56'0.93"E	13°24'46.99"N	75°55'56.87"E			13°24'37.13"N	75°55'53.86"E
192	5035	13°22'1.25"N	75°58'16.84"E	13°22'0.53"N	75°58'17.35"E	13°22'3.88"N	75°58'16.28"E			13°22'13.11"N	75°58'15.46"E
193	4516	13°30'42.64"N	76° 6'23.79"E	13°30'43.97"N	76° 6'23.85"E	13°30'24.20"N	76° 7'2.83"E			13°30'44.90"N	76° 6'36.04"E
194	5029	13°35'14.08"N	76° 1'25.26"E	13°35'14.10"N	76° 1'26.32"E	13°35'14.09"N	76° 1'27.19"E			13°35'11.46"N	76° 1'47.70"E
195	1325	13°26'56.18"N	75°59'48.60"E	13°26'56.35"N	75°59'50.27"E	13°26'56.32"N	75°59'50.27"E			13°26'53.57"N	76° 0'3.23"E
196	1362	13°16'16.36"N	75°49'18.26"E	13°16'15.21"N	75°49'20.39"E	13°16'16.23"N	75°49'17.71"E	13°15'39.04"N	75°48'2.07"E	13°16'1.32"N	75°48'48.39"E
197	4242	13°16'42.02"N	75°51'24.91"E	13°16'42.02"N	75°51'24.91"E	13°16'34.58"N	75°50'53.29"E	13°16'38.24"N	75°51'5.25"E	13°16'37.98"N	75°51'11.70"E
198	855	13°47'13.81"N	76° 4'48.30"E	13°47'13.91"N	76° 4'47.44"E	13°46'38.06"N	76° 6'14.78"E			13°47'13.57"N	76° 5'12.92"E
199	858	13°47'13.88"N	76° 4'47.47"E	13°47'13.75"N	76° 4'48.50"E	13°47'13.87"N	76° 4'47.48"E			13°47'14.74"N	76° 5'23.54"E
200	891	13°25'23.76"N	76° 6'37.91"E	13°25'23.76"N	76° 6'37.91"E	13°25'58.19"N	76° 6'43.84"E			13°25'42.85"N	76° 6'54.76"E
201	5074	13°16'30.45"N	75°57'50.85"E	13°16'30.62"N	75°57'53.98"E	13°16'31.52"N	75°57'48.93"E	13°16'33.69"N	75°57'42.41"E	13°16'34.23"N	75°57'28.80"E
202	5079	13°17'7.96"N	75°44'49.38"E	13°17'24.94"N	75°44'28.14"E	13°17'23.99"N	75°44'30.09"E	13°17'22.07"N	75°44'38.05"E	13°18'2.29"N	75°44'28.28"E
203	924	13°24'21.92"N	75°52'47.82"E	13°24'20.92"N	75°52'47.87"E	13°24'22.13"N	75°52'48.10"E			13°24'41.07"N	75°52'56.14"E
204	928	13°33'44.03"N	76°14'25.98"E	13°33'54.25"N	76°14'53.79"E	13°33'56.46"N	76°14'54.73"E	13°33'42.08"N	76°14'36.26"E	13°33'49.86"N	76°14'45.29"E
205	4147	13°42'8.93"N	76° 8'47.31"E	13°41'55.70"N	76° 7'49.78"E	13°42'49.61"N	76° 5'39.48"E	13°42'43.48"N	76° 5'46.27"E	13°42'12.15"N	76° 8'7.76"E
206	4474	13°43'47.04"N	76° 0'16.12"E	13°45'29.43"N	75°59'37.75"E	13°45'24.92"N	76° 0'9.52"E			13°45'4.25"N	75°59'45.39"E
207	986	13°40'26.62"N	75°55'38.49"E	13°40'58.33"N	75°56'2.85"E	13°40'58.02"N	75°56'1.20"E			13°40'56.23"N	75°55'37.96"E
208	1001, 4880, 3307, 4496	14°15'45.73"N	76°50'50.38"E	14°15'45.73"N	76°50'50.38"E	14°15'46.83"N	76°50'47.75"E	14°15'50.84"N	76°50'33.10"E	14° 19' 11" N	76° 34' 0" E
209	4314, 4426	14°19'8.55"N	76°34'39.37"E	14°19'8.55"N	76°34'39.37"E	14°19'7.58"N	76°34'40.49"E	14°19'7.58"N	76°34'41.72"E	14° 19' 50" N	76° 34' 32" E
210	310, 3824, 4902	14°16'48.06"N	76°17'6.05"E	14°16'48.06"N	76°17'6.05"E	14°16'46.15"N	76°17'3.28"E	14°16'49.02"N	76°17'1.11"E	14° 15' 56" N	76° 17' 2" E

211	319	14°14'41.31"N	76°33'37.22"E	14°14'41.31"N	76°33'37.22"E	14°14'41.43"N	76°33'42.05"E			14° 14' 35" N	76° 33' 33" E
212	4201, 5909, 3913, 2662	14° 1'11.94"N	76°32'14.72"E	14° 1'11.94"N	76°32'14.72"E	14° 2'56.71"N	76°33'42.65"E	13°55'55.47"N	76°33'36.04"E	14° 3' 14" N	76° 34' 3" E
213	5011, 2669	14° 5'48.11"N	76°51'25.03"E	14° 5'48.11"N	76°51'25.03"E	14° 5'48.29"N	76°51'29.76"E			14° 6' 23" N	76° 52' 11" E
214	5165, 5166, 5167, 4816	14° 2'56.91"N	76°14'36.70"E	14° 2'56.91"N	76°14'36.70"E	14° 2'55.26"N	76°14'35.15"E	14° 2'59.05"N	76°14'43.73"E	14° 0' 45" N	76° 13' 51" E
215	844, 3894	13°46'27.08"N	76°24'00.06"E	13°46'27.08"N	76°24'00.06"E	13°47'44.18"N	76°23'40.10"E	13°47'48.44"N	76°23'37.20"E	13° 46' 25" N	76° 23' 45" E
216	4926, 4300	14°24'8.94"N	76°39'41.09"E	14°24'8.94"N	76°39'41.09"E	14°24'0.09"N	76°39'28.62"E	14°24'45.32"N	76°38'28.16"E	14° 36' 43" N	76° 37' 18" E
217	1310, 5264	14°28'32.28"N	76°28'52.16"E	14°28'32.28"N	76°28'52.16"E	14°28'29.99"N	76°28'51.34"E			14° 29' 13" N	76° 29' 7" E
218	1207, 3825, 4920, 1051	14° 9'54.30"N	76°15'10.44"E	14° 9'54.30"N	76°15'10.44"E	14° 9'25.15"N	76°15'12.98"E	14°10'53.80"N	76°14'54.70"E	14° 10' 10" N	76° 15' 27" E
219	3910	13°44'45.21"N	76°34'41.97"E	13°44'45.21"N	76°34'41.97"E	13°44'44.33"N	76°34'46.00"E	13°44'41.78"N	76°34'37.69"E	13° 44' 41" N	76° 34' 51" E
221	5249, 3397	14° 8'10.11"N	76° 9'59.18"E	14° 8'10.11"N	76° 9'59.18"E	14° 8'10.79"N	76° 9'59.77"E	14° 8'7.30"N	76° 9'55.33"E	14° 7' 57" N	76° 9' 19" E
222	3113, 3114, 4506, 4410, 4874, 4876	13°39'1.58"N	76°25'24.34"E	13°39'1.58"N	76°25'24.34"E	13°39'24.93"N	76°26'10.90"E	13°40'57.23"N	76°23'29.86"E	13° 39' 32" N	76° 26' 24" E
223	3794, 5265	14°33'22.73"N	76°45'24.04"E	14°33'22.73"N	76°45'24.04"E	14°34'21.37"N	76°45'46.43"E			14° 36' 43" N	76° 45' 43" E
224	5223, 5224, 5227, 5190, 5198	12°49'55.50"N	75° 9'5.77"E	12°49'55.50"N	75° 9'5.77"E	12°49'56"N	75° 9'5"E	12°51'12.44"N	75° 9'18.70"E	12°50'9"N	75° 9'47"E
225	5193, 5194, 5213	13° 0'14"N	75°22'1"E	13° 0'14"N	75°22'1"E	13° 0'14"N	75°22'1"E	13° 0'34"N	75°21'6"E	13° 0'42"N	75°22'8"E
226	5085, 5089, 5141, 5226, 241, 2474	12°48'38"N	74°56'18"E	12°48'38"N	74°56'18"E	12°48'38"N	74°56'18"E			12°48'38"N	74°56'18"E
227	2584, 5332, 5333, 5346	12°57'25.52"N	74°57'30.81"E	12°57'25.52"N	74°57'30.81"E	12°57'25"N	74°57'30"E	12°57'35"N	75°0'41"E	12°57'27"N	74°57'49"E
228	767, 3981, 5340, 5344, 1430, 1671, 5343, 4888	13° 3'39"N	74°54'16"E	13° 3'39"N	74°54'16"E	13° 3'40"N	74°54'16"E	13° 2'49.34"N	74°52'30.80"E	13° 4'31"N	74°51'34"E
229	2213, 2330, 4786, 1391	12°40'44.94"N	75°10'17.68"E	12°40'44.94"N	75°10'17.68"E	12°40'44"N	75°10'18"E	12°40'52"N	75°9'51"E	12°40'32"N	75°11'36"E
230	4954, 5320	12°46'17.81"N	75°18'47.20"E	12°46'17.81"N	75°18'47.20"E	12°46'17"N	75°18'47"E			12°46'6"N	75°18'49"E
231	5335, 5329, 5330, 5331	12°36'31"N	75° 30'5"E	12°36'31"N	75° 30'5"E	12°36'31"N	75° 30'5"E			12°36'32"N	75° 30'15"E
232	311, 374, 4932	12°57'39.96"N	75° 6'9.64"E	12°57'39.96"N	75° 6'9.64"E	12°55'43.01"N	75° 5'59.93"E			12°57'3"N	75° 5'58"E
233	4456	12°53'18.16"N	74°54'10.50"E	12°53'18.16"N	74°54'10.50"E	12°53'18.16"N	74°54'10.50"E	12°57'35"N	75°0'41"E	12°53'18"N	74°54'10"E
234	5326	13° 2'59"N	74°47'37"E	13° 2'59"N	74°47'37"E	13° 2'59"N	74°47'37"E	13° 2'49.34"N	74°52'30.80"E	13° 2'59"N	74°47'37"E
235	1959	14.061778° N	75.904107° E	14.062139° N	75.905049° E	14.062194° N	75.905954° E			14.00916°,	75.826045°
236	2035, 2114, 4847	14.400916°,	75.826045°	14.062301° N	75.906796° E	14.062582° N	75. 909543 E			14.062632° N	75.030431° E
237	2257	14°23'45"N	75°0'19"E	14°21'18"N	76°1'5"E	14.400916°,	75.826045°			14.400232°	75.82676°
238	4231	14.062716°,	75.911313°	14.06278°,	75.91204°	14.062812° N	75.91301° E			14.061469 N	75.914267° E
239	4750	14.512423°,	75.93558°	14.511159°,	75.935493°	14.510465° N	75.934356° E			14.509723° N	75.935327° E
240	2491	14.516808°,	75.93326°	14.515992°,	75.933801°	14.515757° N	75.934275° E			14.515428° N	75.935145° E
241	2889	14.514842°,	75.935445°	14.513965°,	75.935743°	14.513282° N	75.935973° E			14.513195° N	75.935935° E
242	3124	14.518482° N	74.929638° E	14.518272° N	75. 930623° E	14.517903° N	75.931595° E			14.51754°	75932524°
243	2067	14.32177° N	75.883946° E	14.321926° N	75.884872° E	14.322161° N	75.885619° E			14.32177° N	75.886256° E
244	3011	14.376298° N	74.952739° E	14.377961° N	75. 930623° E	14.517903° N	75.931595° E			14.51754°	75932524°
245	4277	14.379048°,	75.894932°	14.37389°,	75.894948°	14.373843° N	75.894903° E			14.375796° N	75.894732° E
246	5253	14°43'54.74"N	75°49'0.40"E	14°43'56.54"N	75°48'58.45"E	14°44'1.04"N	75°48'47.00"E	14°43'48.76"N	75°50'7.06"E	14°44'16.55"N	75°48'24.60"E
247	2943	14°45'13.07"N	76° 3'51.21"E	14°45'51.72"N	76° 3'2.47"E	14°45'48.06"N	76° 3'2.85"E	14°46'7.76"N	76° 3'44.37"E	14°45'59.12"N	76° 2'0.86"E
248	2062	14°54'24.03"N	76° 3'10.33"E	14°54'11.72"N	76° 4'35.18"E	14°54'3.81"N	76° 4'2.79"E	14°54'15.88"N	76° 3'11.97"E	14°54'10.99"N	76° 3'29.02"E
249	2161	14°23'56.08"N	75°49'41.43"E	14°25'40.64"N	75°50'55.90"E	14.401424°	75.82202°			14.400232°	75.82676°
250	3927	14.156778° N	74.730592° E	14.156432° N	75.730628° E	14.157534° N	75.73089° E			14.158318°	75.731323°
251	4133	14.161658°,	75.733951°	14.162402°,	75.734383°	14.163202° N	75.73471° E			14.16957° N	75.736485° E
252	4137	14.150591°,	75.576426°	14.150592°,	75.576423°	14.150586° N	75.576423° E			14.151143° N	75.576501° E
253	2458	14.158318°,	75.731323°	14.159017°,	75.731796	14.159647° N	75.732372 E			14. 160298° N	75.73293° E
254	2559	14°35'15.61"N	76° 6'51.97"E	14°35'15.61"N	76° 6'51.97"E	14°34'16.29"N	76° 6'59.40"E			14°34'44.43"N	76° 7'2.68"E
255	2679	14°36'13.86"N	76° 7'33.75"E	14°36'13.86"N	76° 7'33.75"E	14°37'5.85"N	76° 6'49.23"E	14°33'42.55"N	76° 9'18.84"E	14°34'40.11"N	76° 8'22.88"E
256	4840	14°32'2.48"N	76°10'22.36"E	14°32'2.48"N	76°10'22.36"E	14°31'46.25"N	76°10'54.97"E	14°31'10.25"N	76° 8'10.36"E	14°31'49.35"N	76° 9'27.73"E
257	4866	14.338873°,	76.035438°	14.33939°,	76.033669°	14.340222° N	76.031826° E			14.410085° N	75.822782° E
258	688	14°21'4"N	74°1' 3"E	14°21'18"N	76°1'5"E	14°23'45"N	75°0'19"E			14.337759°	76.0.37828°
259	2929, 2956	14° 6'39.48"N	75°59'47.97"E	14° 5'50.18"N	76° 1'2.14"E	14° 4'45.71"N	76° 0'49.12"E			14° 3'59.58"N	75°59'18.31"E

260	3028	14° 5'22.53"N	76° 3'6.86"E	14° 5'20.59"N	76° 2'37.34"E	14° 4'44.84"N	76° 2'25.79"E			14° 5'3.66"N	76° 2'29.70"E
261	1679	14° 4'40.97"N	75°58'54.39"E	14° 4'24.73"N	75°59'5.46"E	14° 4'26.43"N	75°59'19.18"E			14° 4'31.07"N	75°59'38.32"E
262	2860	14°30'28.28"N	75°58'40.74"E	14°30'42.93"N	75°58'22.11"E	14°31'3.89"N	75°57'50.00"E			14°31'15.46"N	75°57'45.91"E
263	4884	14°30'15.81"N	75°52'55.02"E	14°30'32.59"N	75°52'27.70"E	14°30'50.77"N	75°52'32.86"E			14°31'12.57"N	75°52'18.68"E
264	2552	14°21'45.05"N	75°54'4.89"E	14°21'44.31"N	75°54'20.32"E	14°21'38.00"N	75°54'35.21"E			14°21'30.20"N	75°55'19.20"E
265	1314	14°25'44.63"N	75°55'26.25"E	14°25'9.26"N	75°55'54.58"E	14°24'58.76"N	75°56'51.55"E			14°24'38.34"N	75°56'55.17"E
266	1315	14°37'38.38"N	75°54'47.03"E	14°36'30.91"N	75°54'27.35"E	14°37'43.48"N	75°54'47.75"E	14°36'30.99"N	75°55'11.69"E	14°37'47.22"N	75°54'59.59"E
267	1323	14°41'36.28"N	76° 4'59.25"E	14°41'31.67"N	76° 5'8.26"E	14°41'31.27"N	76° 5'10.21"E	14°41'30.97"N	76° 5'5.87"E	14°41'18.59"N	76° 5'14.11"E
268	831	14°33'48.78"N	75°55'58.81"E	14°33'48.78"N	75°55'58.81"E	14°34'6.97"N	75°54'52.57"E	14°34'59.59"N	75°54'39.94"E	14°34'3.62"N	75°55'20.57"E
269	2109, 3446	14°21'23.23"N	75°44'32.74"E	14°21'58.29"N	75°46'35.18"E	14°21'52.00"N	75°46'37.37"E			14°20'46.93"N	75°47'19.66"E
270	2228	14.298811° N	75.843046° E	14.317555° N	75.838511° E	14.317551° N	75.838527° E			14.317801°	75.838545°
271	3434	14.262379°	75.67673°	14.262469°	75.67581°	14.262713° N	75.67326° E			14.265247° N	75.667349° E
272	3441	14.122299°	75.674653°	14.122351°	75.6747°	14.122255° N	75.674685° E			14.12236° N	75.674669° E
273	3451	14.152869°	75.707405°	14.154497°	75.707348°	14.150586° N	75.707373° E			14.157019° N	75.706958° E
274	4870	14.324372°	75.837798°	14.29233°	75.802052°	14.292368° N	75.802146° E			14.292315° N	75.8021271° E
275	841	14°30'59.10"N	76°24'22.26"E	14°30'39.95"N	76°24'23.15"E	14°29'50.61"N	76°24'27.04"E			14°30'21.21"N	76°24'27.44"E
276	1082	14°29'52.45"N	76°26'56.49"E	14°31'18.55"N	76°26'50.19"E	14°30'1.28"N	76°26'53.37"E			14°30'16.47"N	76°26'49.13"E
277	5005	14°25'46.81"N	76°18'2.04"E	14°25'52.87"N	76°18'0.88"E	14°25'39.95"N	76°17'45.31"E	14°25'3.30"N	76°16'56.62"E	14°25'41.69"N	76°17'47.27"E
278	5239	14°27'52.59"N	76°14'47.30"E	14°27'50.07"N	76°14'47.58"E	14°27'0.24"N	76°15'31.74"E	14°28'28.08"N	76°14'47.73"E	14°27'27.82"N	76°15'1.19"E
279	5240	14.234322047° N	76.61039799° E	14. 234067° N	76.5428185° E	14.317551° N	75.838527° E			14.234303385°	76.5572867°
280	5242	14.378012°	76.09803°	14.379634°	76.0 98327°	14.407951° N	76.087441° E			14.385478° N	75.090418° E
281	5243	14.270648°	76.076588°	14.270018°	76.075972°	14.269285° N	76.075424° E			14.268592° N	76.074893° E
282	5244, 5152	14.235853°	75.063285°	14.235169°	75.063185°	14.233772° N	75.062909° E			14.232864° N	75.062687° E
283	5153	15.474757°	75.088343°	15.474752°	75.088351°	15.474767°	75.088359°	15°28'10.62098"N	75°4'16.05011"E	15°28'28.22318"N	75°4'54.90446"E
284	5156	15.544986°	74.904193°	15.544988°	74.904194°	15.544956°	74.904315°	15°35'43.71826"N	74°54'20.91815"E	15.544979°	74.904176°
285	3494	15.377213°	75.076125°	15.377218°	75.076123°	15.377188°	75.076343°	15.3668N	75.0777E	15.3649N	75.0854E
286	5276	15.373016°	75.154823°	15.373103°	75.154797°	15.372969°	75.154574°	15.3811N	75.184E	15.373039°	75.154771°
287	4224	15.43146°	75.045273°	15.43148°	75.04531°	15.431479°	75.045325°	15.4356N	75.0896E	15.4328N	75.0526E
288	4998	15.39553°	75.063073°	15.395749°	75.063624°	15.395752°	75.063626°	15.3920N	75.0583E	15.3948N	75.0621E
289	1618	15.163506°	75.03771°	15.163496°	75.03772°	15.163438°	75.037618°	15°9'6.99834"N	75°1'151.76001"E	15°9'40.38576"N	75°2'2.48958"E
290	1619	15.249916°	74.981431°	15.250003°	74.981401°	15.249903°	74.981496°	15.2341N	74.9857"E	15.249793°	74.981428°
291	1622	15.121588°	75.015678°	15.12156°	75.015683°	15.121564°	75.015682°	156°54.17166"N	75°0'49.25793"E	15°6'57.41682"N	75°0'50.57506"E
292	4907	15.22715°	75.189459°	15.227139°	75.189464°	15.227291°	75.189106°	15°14'1.9646"N	75°12'6.78503"E	15°15'7.35305"N	75°14'9.26385"E
293	4252	15.213282°	75.234961°	15.213258°	75.234723°	15.213513°	75.234047°	15.2115N	75.2381E	15.213276°	75.234856°
294	4253	15.229394°	75.155711°	15.229396°	75.155706°	15.229017°	75.155389°	15.2319N	75.1557E	15°14'24.23606"N	75°9'37.61113"E
295	4695	15.521507°	75.210466°	15.521498°	75.210445°	15.521517°	75.210447°	15°34'56.2419"N	75°9'14.62815"E	15°34'43.53436"N	75°8'57.8102"E
296	4696	15°37'39.85673"N	75°17'24.8156"E	15°37'47.52371"N	75 1728.58806"E	15°38'26.05368"N	75 17'38.40243"E	15°40'10.71153"N	75°17'56.5001"E	15°38'9.1535"N	75°17'33.97065"E
297	4697	15.537651°	75.246335°	15.537625°	75.246332°	15.537628°	75.246339°	15°30'40.08879"N	75°12'3.69966"E	15°31'54.33869"N	75-14°17.66121"E
298	5284	15.26983°	74.941988°	15.269866°	74.941932°	15.269913°	74.94203°	15°160.16327° N	74°5548.07731"E	15.269764°	74.942009°
299	2432	15.498719°	74.860102°	15.498722°	74.860156°	15.49867°	74.860105°	15.4965N	74.8564E	15.498678°	74.860029°
300	2468	15.551165°	75.064873°	15.551325°	75.064974°	15.551442°	75.065211°	15.5663N	75.0737E	15.551477°	75.065098°
301	3509	15.54163°	75.044374°	15.541661°	75.044379°	15.541628°	75.044322°	15.5366N	75.0229E	15.541645°	75.044407°
302	3510	15.459618°	75.114612°	15.459509°	75.114511°	15.4620N	75.1142E	15.459533°	75.114501°	15.459525°	75.114496°
303	3512	15.383987°	75.126957°	15.384008°	75.126986°	15.384074°	75.127133°	15.382252°	75.127282°	15.384054°	75.127191°
304	4992	15.379943°	75.15025°	15.379921°	75.150284°	15.380406°	75.150084°	15.380134°	75.144803°	15.380394°	75.150157°
305	5002	15.379465°	75.028367°	15.379463°	75.028422°	15.379524°	75.028464°	15.37869	75.035834	15.37946°	75.028387°
306	4006	15.402136°	75.084496°	15.402151°	75.084473°	15.402026°	75.084601°	15.5394N	75.0360E	15.402199°	75.084483°
307	4119	15.222859°	75.041253°	15.22291°	75.041205°	15.222979°	75.041265°	15.2099N	75.0579E	15.222739°	75.041186°
308	136	1518°40.71717"N	75°18'39.39998"E	15°18°40.70811"N	75°18'38.26239"E	15°18°40.56674"N	75°18'36.88823"E	15°18'55.32315"N	75°18'5.9925"E	15°18'53.87898"N	75°18'12.19735"E

309	24, 2160,2085	15.162422°	75.214548°	15.162509°	75.214626°	15.169142°	75.214593°	15.160174	75.193122	15.162451°	75.214495°
310	3354	15.604088°	75.331573°	15.604124°	75.331633°	15.603717°	75.33139°	15.606205	75.332718	15.604056°	75.331549°
311	4009	15.584913°	75.461473°	15.585177°	75.461451°	15.585236°	75.461395°	15.600429	75.460804	15.584934°	75.461496°
312	4886	15.474714	75.477717	15.474714	75.477717	15.473998	75.477624	15.436879	75.465997	15.5402N	75.0424E
313	828	15°17'56.59399°N	75°34'18.92325°E	15°17'49.9341°N	75°34'13.07356°E	15°17'37.63996°N	75°33'35.15795°E	15°17'32.95184°N	75°33'11.86115°E	15°17'14.7374°N	75°32'5.4203°E
314	3813	15.276025°	75.521886°	15.288196°	75.529956°	15.285547°	75.518711°	15°18'32.29235°N	75°33'55.57093 E	15°18'25.06155°N	75°33'49.04058°E
315	1644	15°19'28.12925°N	75°33'45.85433°E	15°19'18.24985°N	75°33'54.59025°E	15°18'53.93843°N	75°34'18.65771°E	15°18'24.84353°N	75°34'49.21488°E	15°18'23.31533°N	75°34'50.5465°E
316	1656	15.385854°	75.625503°	15.385857°	75.625487°	15.385853°	75.62549°	15°23'12.15142°N	75°39'16.19804°E	15°21'50.95542°N	75°37'32.35039°E
317	1700	15.517882°	75.556967°	15.517877°	75.556986°	15.517879°	75.55699°	15°31'2.72069°N	75°35'58.8352°E	15°30'58.97357°N	75°38'18.557441E
318	1782	15.489934°	75.708235°	15.489924°	75.708233°	15.489932°	75.708238°	15°31'28.17347 N	75°44'57.51605°E	15°30'38.75687°N	75°42'59.53932°E
319	4789	15°45'47.79977°N	75°57'28.00353°E	15°45'47'68586	75°57'28.30619°E	15°45'38.99339°N	75°57'17.91457°E	15°45'5.72713°N	75°56'48.61026°E	15°45'2.55515°N	75°56'46.11389°E
320	5150	15.216613°	75.889599°	15.2185104°	75.875886°	15°18'8642°	75.902059°	15°17'8.1431 4°N	75°53'16.860095°E	15°13'17.01554°N	75°53'11.54052°E
321	1832	15.1343N	75.4665E	15.1343N	75.4653E	15.1341N	75.4643E	15.1589N	75.4294E	15.1621N	75.4268E
322	4344	15.104757°	75.527584°	15.107056°	75.539205°	15.114791°	75.537041°	15°6'49.88231°N	75°32'27.75216°E	15°6'32.75536°N	75°32'11.25044°E
323	4817	15.127549°	75.577743°	15.126928°	75.575297°	15.123341°	75.577912°	15°1'34'88822°N	75°55'38'663°E	15.12825491N	75.55714229E
324	4821	15.192229°	75.523521°	15.187701°	75.527780°	15.180805°	75.521211°	15°10'21.9237	75°30'48.98323°E	15°10'10.11085°N	75°30'38.56506°E
327	144	15.278639°	75.60337°	15.278621°	75.603381°	15.278379°	75.603277°	15°16'35.65236°E	75°34'48.95689°E	151642.2439N	7534'37.31875°E
329	4580	15.481214°	75.652927°	15.481222°	75.652885°	15.48123°	75.652889°	15°29'39.83399°E	75°39'22.33319°E	1521°1721402N	1539'16.4153°E
330	2368	15.708909°	75.668593°	15.708056°	75.66473°	15.708984°	75.665106°	15°41'58.56701°N	75°43'47.1833°E	1541°56.66056°N	752°14.50577E
331	4984	15.536486°	75.881621°	15.693642°	75.983516°	15.537263°	75.880702°	15.573617	75.817194	1534°12.51899°N	15°9'26.5333°E
332	4952, 3212, 2442, 3442, 4907, 4765	12°37'42.88°N	75°57'43.43°E	12°36'40.42°N	75°58'6.04°E	12°36'53.93°N	75°58'0.88°E	12°37'48.41°N	75°57'41.97°E	12°37'27.60°N	75°58'0.27°E
333	3099, 5247, 5248, 2576, 2624, 4089, 2558, 1252	13°10'41.63°N	76°25'37.85°E	13°10'40.55°N	76°25'5.17°E	13°10'39.03°N	76°25'25.20°E	13°10'55.94°N	76°25'54.50°E	13°11'23.75°N	76°23'56.72°E
334	3168, 2533, 2544, 3776, 3452, 2100, 1700	12°46'59.56°N	76°19'54.55°E	12°46'54.66°N	76°20'35.60°E	12°46'56.79°N	76°20'35.14°E	12°47'5.99°N	76°20'12.63°E	12°46'58.74°N	76°20'18.46°E
335	3685, 4832, 3699, 2185, 1873, 1887	13°17'48.64°N	76°5'28.83°E	13°18'10.24°N	76°5'41.26°E	13°17'50.28°N	76°5'28.32°E	13°18'9.22°N	76°5'44.80°E	13°18'2.43°N	76°5'33.96°E
336	4813, 4810, 4830, 1813	13°107.79°N	76°8'9.82°E	13°109.60°N	76°8'10.78°E	13°944.41°N	76°8'30.14°E	13°102.87°N	76°8'19.58°E	13°9'55.50°N	76°8'6.98°E
337	2425, 5128, 5266, 5123, 5136, 5347, 5285, 4787	12°55'22.42°N	76°2'2.70°E	12°54'9.90°N	76°1'33.26°E	12°55'23.34°N	76°2'5.28°E	12°55'10.61°N	76°2'6.09°E	12°55'3.50°N	76°2'49.71°E
338	5170, 5171, 5147, 1813, 5148, 1826	14°50.473°N	75°18.897°E	14°50.473°N	75°18.897°E	14°50'25.50°N	75°18'46.71°E	14°50'25.50°N	75°36'45.92°E	14°50'25.50°N	75°36'45.92°E
339	5349, 5431, 2981, 2982	14°56'29.66°N	75°36'48.73°E	14°56'29.66°N	75°36'48.73°E	14°55'32.10°N	75°35'24.63°E	14°56'25.50°N	75°36'45.92°E	14°55'50.75°N	75°35'11.80°E
340	20	14°35'15.97°N	75°13'17.94°E	14°35'15.97°N	75°13'17.94°E	14°32'29.56°N	75°27'47.10°E	14°35'18.93°N	75°13'22.96°E	14°35'21.71°N	75°13'39.63°E
341	21, 641, 3631	14°32'9.66°N	75°28'25.13°E	14°32'9.66°N	75°28'25.13°E	14°32'29.56°N	75°27'47.10°E	14°34'10.98°N	75°28'6.76°E	14°34'3.97°N	75°27'36.08°E
342	2276, 3342, 1537	14°33'50.02°N	75°41'3.96°E	14°33'50.02°N	75°41'3.96°E	14°33'46.44°N	75°39'27.03°E	14°35'18.93°N	75°13'22.96°E	14°33'52.10°N	75°42'37.96°E
343	563, 4399, 3747, 1016, 2954, 3687, 1019	15°1'17.85°N	75°1'37.77°E	15°1'17.85°N	75°1'37.77°E	15°1'13.34°N	75°1'50.54°E	14°57'4.22°N	75°10'37.17°E	14°57'17.93°N	75°10'30.58°E
344	3285, 3290, 4500, 3632, 2856, 2852	14°45'13.92°N	75°36'39.74°E	14°45'13.92°N	75°36'39.74°E	14°45'16.75°N	75°36'30.74°E	14°45'0.37°N	75°36'40.21°E	14°47'26.31°N	75°31'17.92°E
345	163	15°0'55.34°N	75°30'8.19°E	15°0'55.34°N	75°30'8.19°E	15°1'17.97°N	75°30'1.52°E	15°1'26.73°N	75°30'11.19°E	15°1'57.19°N	75°29'56.62°E
346	2209	14°20'57.96°N	75°34'19.76°E	14°20'57.96°N	75°34'19.76°E	14°21'4.71°N	75°34'25.78°E	14°20'55.58°N	75°34'29.65°E	14°18'48.08°N	75°34'25.46°E
347	3943	15°6'36.86°N	75°19'53.58°E	15°6'36.86°N	75°19'53.58°E	15°6'19.99°N	75°19'57.00°E			15°6'51.18°N	75°19'28.74°E
410	1538, 4292, 3623, 4740, 2436	12.65008	75.882	12.65008	75.882	12.6391	75.8817	12.6347	75.8827	12.6354	75.8842
411	4294, 3613, 5016, 4406	12.5546	75.9482	12.5546	75.9482	12.5469	75.9544	12.54880556	75.95030278	12.5466	75.9524
412	4495, 3504, 4434	12.2608	75.6995	12.2608	75.6995	12.2475	75.6798	12.2471	75.6782	12.2475	75.6769
413	4761	12.2824	75.8602	12.2824	75.8602	12.2825	75.8511			12.282	75.8513
414	4763, 2639	12.0848	75.9436	12.0848	75.9436	12.1061	75.9634			12.098	75.9586
415	4504	12.917839°	78.197789°	12.914460°	78.197338°	12.900222°	78.198328°	12.894988°	78.197365°	12.897281°	78.197572°
416	4566	12.981248°	78.224756°	12.980370°	78.224615°	12.970442°	78.223083°	12.970111°	78.223919°	12.965902°	78.231940°
417	4568	12.854411°	78.166264°	12.872091°	78.147880°	12.860794°	78.158164°	12.860008°	78.160102°	12.876895°	78.149037°
418	5173	13.251852°	77.964262°	13.254029°	77.963728°	13.252298°	77.963782°	13.269040°	77.965097°	13.266886°	77.965106°
419	5175	13.091425°	78.173823°	13.089556°	78.173183°	13.096033°	78.175427°	13.095301°	78.175324°	13.097057°	78.175214°
420	306	13.010205°	78.430720°	13.010028°	78.430692°	13.005695°	78.429965°	13.004865°	78.429367°	13.001586°	78.427076°
421	307	13.014368°	78.364542°	13.014368°	78.364542°	13.005487°	78.376066°	13.015543°	78.377377°	13.014864°	78.372843°
422	3666	13.013979°	78.454080°	13.012747°	78.454013°	13.010554°	78.435016°	13.011230°	78.435473°	13.014228°	78.437446°
423	3669	13.049747°	78.335793°	13.050179°	78.335727°	13.050683°	78.336430°	13.051186°	78.336669°	13.051106°	78.338081°
424	4336	13.003380°	78.385719°	13.003003°	78.385152°	13.001671°	78.384912°	12.996348°	78.384412°	12.994131°	78.390392°
425	4370	12.873489°	78.071294°	12.873489°	78.072406°	12.873808°	78.073141°	12.873863°	78.073686°	12.873951°	78.075233°

426	4374	12.980125°	78.113402°	12.979199°	78.113012°	12.978903°	78.112585°	12.973467°	78.108096°	12.970708°	78.106272°
427	2628	12.941409°	77.902222°	12.941392°	77.901365°	12.941295°	77.900574°	12.941436°	77.898651°	12.941844°	77.896994°
428	5334	13.574311°	77.040594°	13.573893°	77.041823°	13.574774°	77.036789°	13.573228°	77.044665°	13.572524°	77.047104°
429	4985	12.838533°	78.110899°	12.838533°	78.110899°	12.856764°	78.119757°	12.834332°	78.113663°	12.833124°	78.116861°
430	2324	13.152004°	78.039812°	13.152004°	78.039812°	13.141890°	78.032542°	13.157756°	78.039035°	13.170385°	78.044991°
431	361	13.113874°	78.068403°	13.113874°	78.068403°	13.120497°	78.065954°	13.106741°	78.068349°	13.098430°	78.068882°
432	1147	13°08'22.71"	78°19'16.89"	13°08'20.12"	78°18'46.92"	13°08'42.19"	78°18'27.28"	13°08'23.61"	78°19'26.66"	13°08'32.48"	78°19'57.10"
433	3177	13.237935°	78.352531°	13.236845°	78.363924°	13.244388°	78.375646°	13.249167°	78.380333°	13.236464°	78.381324°
434	3169	13.340088°	78.214947°	13.340088°	78.214947°	13.355092°	78.242948°	13.337882°	78.224204°	13.343529°	78.231355°
435	3172	13.499097°	78.319407°	13.499097°	78.319407°	13.524149°	78.327451°	13.520172°	78.325952°	13.510394°	78.320751°
436	3179	13°50'36.91"	78°32'07.62"	13°50'36.92"	78°32'07.65"	13°50'36.56"	78°32'07.54"	13°50'36.92"	78°32'08.68"	13°50'26.12"	78°32'48.88"
437	3960	13°11'4.43"	78°11'44.35"	13°11'22.53"	78°12'13.07"	13°12'10.79"	78°12'07.28"	13°11'6.32"	78°11'37.48"	13°11'10.38"	78°11'12.88"
438	4618	13.040878°	78.216078°	13.040558°	78.215859°	13.032075°	78.211637°	13.040010°	78.215625°	13.038914°	78.214444°
439	2266	12.856300°	78.234682°	12.856556°	78.234947°	12.855930°	78.229231°	12.856438°	78.237579°	12.856427°	78.236592°
440	4366	12.906349°	78.123499°	12.905734°	78.123293°	12.890883°	78.121955°	12.894214°	78.117201°	12.890823°	78.121945°
441	2998	13.074368°	78.198534°	13.074998°	78.198023°	13.073833°	78.184716°	13.076838°	78.177026°	13.076088°	78.178976°
442	3083	13.009321°	78.187855°	13.010347°	78.194144°	13.022051°	78.204159°	13.022031°	78.204129°	13.022021°	78.204149°
443	3572	13.187339°	77.968430°	13.187292°	77.968162°	13.186428°	77.966176°	13.164547°	77.979323°	13.173617°	77.971170°
444	3976	13.250321°	77.940542°	13.252863°	77.963444°	13.262133°	77.949337°	13.263610°	77.946620°	13.257288°	77.956776°
445	4527	13.189150°	78.150494°	13.193127°	78.144941°	13.201281°	78.137402°	13.201445°	78.135138°	13.202274°	78.130410°
446	4045	12.882309°	78.325920°	12.883954°	78.313247°	12.882188°	78.321802°	12.881523°	78.312560°	12.878000°	78.319295°
447	4159	12.902283°	78.455543°	12.901868°	78.445283°	12.907824°	78.456351°	12.908925°	78.456416°	12.913747°	78.454989°
448	4161	12.958407°	78.288172°	12.958407°	78.288172°	12.928774°	78.296118°	12.950506°	78.288112°	12.953380°	78.287922°
449	4323	12.941038°	78.331009°	12.941048°	78.331019°	12.957481°	78.337394°	12.948689°	78.335833°	12.939250°	78.330082°
450	2516	12°88'27.86"	78°01'14.39"	12°53'27.72"	78°00'47.43"	12°54'22.8"	78°04'42.8"	12°53'30.06"	78°01'35.61"	12°52'50.96"	78°00'22.79"
451	4864	13°01'23.04"	78°01'19.84"	13°00'41.93"	78°00'28.56"	13°01'51.44"	77°59'33.82"	13°01'16.13"	78°00'18.36"	13°02'12.07"	77°59'57.82"
452	3064	13°03'1.41"	78°23'8.54"	13°02'47.33"	78°23'14.32"	13°02'39.57"	78°22'49.37"	13°03'43.22"	78°22'56.94"	13°03'5.91"	78°22'55.12"
453	3070	13°13'8.34"	78°30'52.20"	13°12'0.48"	78°30'47.67"	13°12'37.35"	78°30'31.22"	13°12'56.51"	78°31'38.23"	13°11'59.35"	78°30'48.27"
454	3769	13°13'50.19"	78°26'22.13"	13°14'1.41"	78°26'1.76"	13°14'13.09"	78°26'39.19"	13°13'35.48"	78°25'49.34"	13°14'0.71"	78°26'1.42"
455	3758	13°34'47.59"	78°19'8.21"	13°34'15.94"	78°18'37.22"	13°33'53.91"	78°18'52.89"	13°34'41.90"	78°19'22.86"	13°34'44.88"	78°18'46.89"
456	2308	13°23'23.34"	78°20'54.51"	13°22'52.36"	78°20'38.32"	13°22'39.97"	78°20'53.99"	13°23'18.94"	78°20'43.51"	13°22'54.93"	78°20'36.26"
457	4960	15°23'37.76"	76°18'55.02"	15°23'37.76"	76°18'55.02"	15°23'40.80"	76°18'51.25"	15°23'55.31"	76°18'52.31"	76°18'52.31"	76°18'52.76"
458	4995	15°26'8.02"	76°15'45.99"	15°26'6.86"	76°15'46.06"	15°26'5.72"	76°15'45.50"	15°26'23.20"	76°15'43.01"	15°26'3.41"	76°15'44.58"
459	5236	15°35'44.02°	76°22'25.80°	15°35'45.81°	76°22'27.20°	15°35'48.81°	76°22'29.16°	15°35'52.01°	76°22'1.95°	15°35'47.06°	76°22'27.56°
460	5237	15°33'59.02°	76°29'8.52°	15°33'59.02°	76°29'8.52°	15°33'50.30°	76°29'2.49°	15°33'56.75°	76°29'8.20°	15°33'59.02°	76°29'8.52°
461	5238	15°18'12.92°	76°12'37.75°	15°18'12.92°	76°12'37.75°	15°18'14.02°	76°12'42.69°	15°18'9.29°	76°13'9.97°	15°18'12.92°	76°12'37.75°
462	5245	15°16'32.08°	76°3'30.86°	15°16'32.08°	76°3'30.86°	15°16'31.02°	76°6'6.27°	15°16'19.02°N	76°4'43.82°E	15°16'32.08°	76°3'30.86°
463	5154	15°10'18.05°	76°2'36.80°	15°10'18.05°	76°2'36.80°	15°10'6.16°	76°2'41.31°	15°11'6.16°	76°3'41.31°	15°10'18.05°	76°2'36.80°
464	5155	15°19'8.30°	76°4'31.80°	15°19'8.30°	76°4'31.80°	15°19'10.64°	76°4'27.88°	15°19'7.85°	76°4'35.35°	15°19'8.30°	76°4'31.80°
465	2921	15°46'47.19°	76°5'12.90°	15°46'47.19°	76°5'12.90°	15°46'21.70°	76°5'2.77°	15°45'37.82°	76°5'14.95°	15°46'47.19°	76°5'12.90°
466	2923	15°45'22.39°	76°2'43.61°	15°45'22.39°	76°2'43.61°	15°45'23.92°	76°2'40.77°	15°47'16.82°	76°2'12.64°	15°45'22.39°	76°2'43.61°
467	4999	15°43'45.60°	76°3'50.73°	15°43'45.60°	76°3'50.73°	15°43'57.27°	76°3'22.12°	15°43'59.19°	76°3'25.02°	15°43'45.60°	76°3'50.73°
468	4918	15°40'35.71°	75°55'33.16°	15°40'35.71°	75°55'33.16°	15°40'38.22°	75°55'21.05°	15°40'37.53°	75°55'27.73°	15°40'35.71°	75°55'33.16°
469	5004	15°28'57.02°	75°59'16.76°	15°28'57.02°	75°59'16.76°	15°29'25.83°	75°59'31.37°	15°28'53.62°	75°59'4.30°	15°28'57.02°	75°59'16.76°
470	4909	15°30'42.88°	76°14'42.97°	15°30'42.88°	76°14'42.97°	15°30'48.00°	76°14'38.33°	15°28'15.72°	76°13'18.05°	15°30'42.88°	76°14'42.97°
471	4910	15°23'40.63°	76°13'39.13°	15°23'40.63°	76°13'39.13°	15°23'38.40°	76°13'37.16°	15°24'48.09°	76°12'36.32°	15°23'40.63°	76°13'39.13°
472	1620	15°27'44.36°	76°26'47.13°	15°27'44.36°	76°26'47.13°	15°27'40.77°	76°26'48.58°	15°28'10.33°	76°26'42.82°	15°27'44.36°	76°26'47.13°
473	4906	15°34'28.24°	76°32'40.77°	15°34'28.24°	76°32'40.77°	15°34'27.02°	76°32'45.50°	15°34'32.85°	76°32'42.81°	15°34'28.24°	76°32'40.77°
474	5054	15°35'6.31°	76°45'10.25°	15°34'36.67°	76°43'53.50°	15°34'22.19°	76°41'37.73°	15°34'26.85°	76°43'30.57°	15°34'14.73°	76°42'12.93°
475	5300	15°12'6.69°	76°3'18.53°	15°11'32.74°	76°3'45.15°	15°10'18.75°	76°3'59.13°	15°11'33.31°	76°3'38.80°	15°11'58.26°	76°3'24.22°
476	5327	15°24'45.38°	76°10'11.02°	15°25'21.49°	76°10'21.44°	15°24'43.55°	76°9'33.75°	15°24'21.81°	76°10'5.42°	15°25'26.29°	76°10'24.39°
477	254	15°17'55.79°	76°20'9.95°	15°17'16.98°	76°20'4.09°	15°16'2.01°	76°19'1.25°	15°16'56.70°	76°19'57.27°	15°17'37.28°	76°20'9.12°
478	5277	15°51'46.68°	75°51'26.99°	15°50'50.26°	75°51'28.10°	15°53'49.19°	75°52'28.43°	15°51'21.83°	75°51'29.89°	15°50'48.17°	75°51'27.64°

479	5285	15°50'16.21"	76°17'47.18"	15°50'15.32"	76°18'53.26"	15°48'11.25"	76°15'59.57"	15°50'17.82"	76°17'43.96"	15°48'52.93"	76°17'29.04"
480	5338	15°39'3.69"	76° 7'17.31"	15°38'23.67"	76° 7'38.54"	15°37'47.30"	76° 8'13.22"	15°38'25.59"	76° 7'36.10"	15°39'13.09"	76° 7'18.61"
481	2289	15°32'57.81"	76° 7'8.50"	15°33'40.35"	76° 7'22.81"	15°32'48.37"	76° 6'10.57"	15°32'45.72"	76° 7'1.62"	15°31'50.31"	76° 6'14.36"
482	4762	15°31'10.49"	76° 3'15.53"	15°30'45.74"	76° 3'38.48"	15°27'42.09"	76° 6'21.33"	15°31'2.79"	76° 3'31.72"	15°31'26.74"	76° 2'59.95"
483	4766	15°38'5.93"	76°17'35.16"	15°38'47.04"	76°18'17.66"	15°39'22.37"	76°18'0.93"	15°38'46.44"	76°18'16.10"	15°38'4.59"	76°17'35.41"
484	4767, 1972, 5479, 5385	12°40'55.80"N	76°28'33.68"E	12°40'55.80"N	76°28'33.68"E	12°40'55.80"N	76°28'33.68"E	12°43'38.97"N	76°26'3.69"E	12°43'41.54"N	76°26'9.05"E
485	2486	12°33'9.67"N	76°26'20.83"E	12°33'9.67"N	76°26'20.83"E	12°33'9.67"N	76°26'20.83"E	12°32'34.33"N	76°27'3.74"E	12°33'10.34"N	76°26'17.42"E
486	2502, 5392, 2575	12°29'44.99"N	76°30'25.88"E	12°29'44.99"N	76°30'25.88"E	12°29'44.99"N	76°30'25.88"E	12°32'34.33"N	76°27'3.74"E	12°33'10.34"N	76°26'17.42"E
487	5000, 2759, 5485	12°47'4.54"N	76°31'14.39"E	12°47'4.54"N	76°31'14.39"E	12°47'4.54"N	76°31'14.39"E	12°47'21.59"N	76°26'28.58"E	12°47'26.80"N	76°26'19.20"E
488	4386	12°40'25.51"N	76°24'29.60"E	12°40'25.51"N	76°24'29.60"E	12°40'25.51"N	76°24'29.60"E	12°43'38.97"N	76°26'3.69"E	12°43'41.54"N	76°26'9.05"E
489	2279, 2599	12°28'30.27"N	76°59'16.50"E	12°28'30.27"N	76°59'16.50"E	12°28'30.27"N	76°59'16.50"E	12°24'57.68"N	76°56'49.89"E	12°24'57.37"N	76°56'50.71"E
490	897, 5457, 5515	12°14'6.19"N	77° 3'3.94"E	12°14'6.19"N	77° 3'3.94"E	12°14'6.19"N	77° 3'3.94"E	12°15'27.28"N	77° 4'37.65"E	12°15'38.17"N	77° 4'36.16"E
491	4420	12°19'59.69"N	77° 3'42.29"E	12°19'59.69"N	77° 3'42.29"E	12°19'59.69"N	77° 3'42.29"E	12°15'27.28"N	77° 4'37.65"E	12°15'38.17"N	77° 4'36.16"E
492	5443, 5441, 5519, 5429	12°42'47.16"N	76°52'57.39"E	12°42'47.16"N	76°52'57.39"E	12°42'47.16"N	76°52'57.39"E	12°42'36.85"N	76°53'1.32"E	12°41'19.14"N	76°51'11.80"E
493	2229, 5364, 5316, 1740	12°32'26.74"N	76°38'9.60"E	12°32'26.74"N	76°38'9.60"E	12°32'26.74"N	76°38'9.60"E	12°33'45.22"N	76°37'24.31"E	12°34'5.43"N	76°37'30.33"E
494	5437	12°33'16.53"N	76°43'44.22"E	12°33'16.53"N	76°43'44.22"E	12°33'16.53"N	76°43'44.22"E	12°33'45.22"N	76°37'24.31"E	12°34'5.43"N	76°37'30.33"E
495	5440, 5369, 5439	12°79'62.98"	76°67'38.31"	12°79'62.98"	76°67'38.31"	12°79'21.37"	76°67'36.38"	12°79'21.37"	76°67'36.38"	12°79'63.26"	76°67'25.21"
496	5436	12°68'03.08"	76°70'02.49"	12°68'03.08"	76°70'02.49"	12°67'12.06"	76°70'07.45"	12°67'12.06"	76°70'07.45"	12°68'03.08"	76°67'25.21"
497	1148, 5447	12°28'13.59"N	76°41'53.99"E	12°28'13.59"N	76°41'53.99"E	12°28'13.59"N	76°41'53.99"E	12°27'51.33"N	76°38'39.52"E	12°27'49.97"N	76°38'40.01"E
498	5359, 5394, 5467, 5499, 5377	12°30'32.79"N	76°48'53.90"E	12°30'32.79"N	76°48'53.90"E	12°30'32.79"N	76°48'53.90"E	12°28'44.27"N	76°51'25.18"E	12°28'55.94"N	76°51'10.11"E
499	2994, 1952, 5378	12°27'14.87"N	76°56'2.34"E	12°27'14.87"N	76°56'2.34"E	12°27'14.87"N	76°56'2.34"E	12°28'28.28"N	76°54'27.52"E	12°28'30.54"N	76°54'27.35"E
500	1465, 5432, 5336	12°33'52.35"N	76°55'54.97"E	12°33'52.35"N	76°55'54.97"E	12°33'52.35"N	76°55'54.97"E	12°32'49.44"N	77° 0'43.29"E	12°32'50.22"N	77° 0'45.59"E
501	5506, 4597	12°38'15.92"N	77° 4'30.08"E	12°38'15.92"N	77° 4'30.08"E	12°38'15.92"N	77° 4'30.08"E	12°38'8.74"N	77° 4'27.75"E	12°38'33.48"N	77° 4'31.70"E
502	21,435,511	12°30'53.99"N	77° 6'33.37"E	12°30'53.99"N	77° 6'33.37"E	12°30'53.99"N	77° 6'33.37"E	12°25'38.80"N	77°11'49.62"E	12°25'8.25"N	77°12'10.93"E
503	5513, 5516, 5459	12°26'39.23"N	76°57'46.57"E	12°26'39.23"N	76°57'46.57"E	12°26'39.23"N	76°57'46.57"E	12°25'40.60"N	77° 0'0.92"E	12°25'40.13"N	77° 0'1.20"E
504	5517, 5518, 5514	12°26'37.84"N	77°12'13.96"E	12°26'37.84"N	77°12'13.96"E	12°26'37.84"N	77°12'13.96"E	12°25'38.80"N	77°11'49.62"E	12°25'8.25"N	77°12'10.93"E
505	5381, 5380, 5435	12°41'30.09"N	76°45'41.76"E	12°41'30.09"N	76°45'41.76"E	12°41'30.09"N	76°45'41.76"E	12°41'28.35"N	76°46'21.10"E	12°41'26.16"N	76°46'13.04"E
506	5510, 4820, 5376, 5501	12°74'.54.31"	76°75'77.16"	12°74'.54.31"	76°75'77.16"	12°75'.81.89"	76°76'98.33"	12°77'.23.81"	76°76'57.02"	12°80'42.91"	76°85'90.83"
507	2029	12°23'53.91"N	76°28'40.57"E	12°23'53.91"N	76°28'40.57"E	12°23'54.03"N	76°28'36.34"E	12°23'50.93"N	76°28'57.86"E	12°23'9.54"N	76°28'1.88"E
508	4823	12°10'12.28"N	76°32'35.05"E	12°10'12.28"N	76°32'35.05"E	12° 9'26.56"N	76°31'16.50"E	12° 9'51.74"N	76°32'33.62"E	12° 9'21.38"N	76°32'36.83"E
509	4824	12°17'22.53"N	76°33'14.58"E	12°17'22.53"N	76°33'14.58"E	12°17'20.54"N	76°33'18.30"E	12°17'25.15"N	76°34'10.64"E	12°17'13.80"N	76°33'46.29"E
510	5502	12° 6'35.06"N	76°28'33.06"E	12° 6'35.06"N	76°28'33.06"E	12° 6'13.85"N	76°28'39.48"E			12° 6'31.56"N	76°29'0.43"E
511	5444	12° 3'26.83"N	76°23'36.00"E	12° 3'26.83"N	76°23'36.00"E	12° 2'28.12"N	76°23'58.51"E	12° 3'2.73"N	76°23'51.68"E	12° 2'49.32"N	76°23'56.18"E
512	5445	12°11'37.05"N	76°28'12.14"E	12°11'37.05"N	76°28'12.14"E	12°11'41.24"N	76°28'10.55"E	12°12'9.68"N	76°27'16.93"E	12°11'52.51"N	76°27'36.53"E
513	5489	12° 6'19.22"N	76°24'33.08"E	12° 6'19.22"N	76°24'33.08"E	12° 6'56.21"N	76°24'36.47"E			12° 7'14.02"N	76°24'32.08"E
514	5484	12° 3'57.21"N	76°25'15.34"E	12° 3'57.21"N	76°25'15.34"E	12° 4'41.95"N	76°25'44.29"E			12° 4'28.53"N	76°25'16.19"E
515	5352	12°13'39.59"N	76°21'45.38"E	12°13'39.59"N	76°21'45.38"E	12°11'53.96"N	76°227.14"E	12°11'54.16"N	76°21'54.73"E	12°12'56.41"N	76°21'47.13"E
516	5403	12°17'50.41"N	76°10'8.70"E	12°17'50.41"N	76°10'8.70"E	12°18'37.88"N	76° 9'44.02"E	12°18'44.88"N	76° 9'33.89"E	12°18'19.86"N	76° 9'59.26"E
517	5404	12°13'37.59"N	76°21'25.72"E	12°13'37.59"N	76°21'25.72"E	12°12'42.04"N	76°21'26.39"E			12°13'10.18"N	76°21'25.15"E
518	5353	12°15'43.36"N	76°22'48.65"E	12°15'43.36"N	76°22'48.65"E	12°15'36.89"N	76°22'58.26"E			12°15'53.34"N	76°22'22.37"E
519	5354	12°27'37.20"N	76°19'30.86"E	12°27'37.20"N	76°19'30.86"E	12°28'12.23"N	76°19'17.56"E	12°27'33.78"N	76°19'26.32"E	12°28'0.23"N	76°19'26.81"E
520	5446	12°33'27.39"N	76°14'13.49"E	12°33'27.39"N	76°14'13.49"E	12°32'34.98"N	12°32'34.98"N			12°33'2.16"N	76°13'38.53"E
521	5465	12°30'36.29"N	76°11'49.66"E	12°30'36.29"N	76°11'49.66"E	12°30'52.18"N	76°11'14.72"E			12°31'37.09"N	76°11'30.27"E

522	60	12°27'55.48"N	76°18'2.69"E	12°27'55.48"N	76°18'2.69"E	12°307.20"N	76°17'34.92"E	12°27'23.57"N	76°18'3.49"E	12°28'57.20"N	76°17'48.11"E
523	1659	11.9817	76.7135	11.8917	76.7135	11.9799	76.7092	0	0	11.9819	76.7137
524	2845, 5409	12.0576	76.5538	12.0576	76.5538	11.9799	76.7092	0	0	11.9819	76.7137
525	1843	12°25'30.92"N	76°3'26.03"E	12°25'30.92"N	76°3'26.03"E	12°25'13.72"N	76°4'21.38"E	12°25'8.34"N	76°4'35.94"E	12°25'14.30"N	76°3'39.71"E
526	2886	12°22'19.43"N	76°2'5.66"E	12°22'19.43"N	76°2'5.66"E	12°22'27.56"N	76°1'39.07"E	12°22'32.27"N	76°1'12.43"E	12°22'26.81"N	76°1'29.43"E
527	1182	12°28'33.92"N	76°2'12.84"E	12°28'33.92"N	76°2'12.84"E	12°28'21.47"N	76°1'15.35"E	12°28'20.22"N	76°1'46.97"E	12°28'17.09"N	76°1'136.72"E
528	2894	12°28'29.19"N	76°10'5.15"E	12°28'29.19"N	76°10'5.15"E	12°29'29.60"N	76°10'2.03"E			12°29'1.03"N	76°10'0.24"E
529	833	12°22'34.47"N	76°4'34.77"E	12°22'34.47"N	76°4'34.77"E	12°22'43.56"N	76°4'34.07"E			12°23'0.92"N	76°4'18.74"E
530	5433	12°20'47.66"N	76°1'6.99"E	12°20'47.66"N	76°1'6.99"E	12°19'39.27"N	76°1'44.42"E	12°19'47.38"N	76°1'10.41"E	12°20'6.60"N	76°1'10.78"E
531	5456	12°22'54.50"N	76°49'29.75"E	12°22'54.50"N	76°49'29.75"E	12°22'59.94"N	76°49'29.24"E			12°22'57.97"N	76°50'16.70"E
532	5460	12°12'30.36"N	76°57'18.01"E	12°12'30.36"N	76°57'18.01"E	12°12'28.33"N	76°57'20.51"E	12°12'21.80"N	76°57'17.85"E	12°11'44.12"N	76°57'25.61"E
533	5464	12°12'29.89"N	77°3'19.54"E	12°12'29.89"N	77°3'19.54"E	12°12'10.41"N	77°3'20.61"E			12°12'52.29"N	77°3'32.26"E
534	5490	12°16'2.70"N	76°55'7.65"E	12°16'2.70"N	76°55'7.65"E	12°15'58.55"N	76°55'6.64"E	12°15'52.49"N	76°55'18.27"E	12°16'11.80"N	76°54'28.57"E
535	5494	12°11'18.93"N	76°48'58.22"E	12°11'18.93"N	76°48'58.22"E	12°11'43.27"N	76°49'38.21"E			12°11'52.15"N	76°50'6.49"E
536	4378	12°5'27.64"N	76°51'56.64"E	12°5'27.64"N	76°51'56.64"E	12°5'29.60"N	76°52'0.11"E	12°5'44.82"N	76°51'15.66"E	12°5'35.54"N	76°51'29.80"E
537	5493	12°15'21.51"N	76°41'17.01"E	12°15'21.51"N	76°41'17.01"E	12°16'13.30"N	76°43'42.98"E			12°15'35.46"N	76°42'35.37"E
538	950	12°17'57.06"N	76°46'11.78"E	12°17'57.06"N	76°46'11.78"E	12°17'47.76"N	76°46'8.79"E			12°18'18.11"N	76°45'56.08"E
539	5508	12°17'15.30"N	76°17'34.02"E	12°17'15.30"N	76°17'34.02"E	12°16'0.34"N	76°17'56.71"E	12°16'12.42"N	76°18'1.04"E	12°16'27.71"N	76°17'54.13"E
540	1126	12°11'29.38"N	76°17'38.50"E	12°11'29.37"N	76°17'38.60"E	12°11'59.97"N	76°17'16.90"E			12°11'46.34"N	76°17'20.80"E
541	5374	12°16'34.07"N	76°23'24.05"E	12°16'34.07"N	76°23'24.05"E	12°16'27.94"N	76°23'28.96"E	12°16'3.92"N	76°23'26.61"E	12°16'15.76"N	76°23'31.43"E
542	5373	12°17'13.59"N	76°2'49.97"E	12°17'13.59"N	76°2'49.97"E	12°19'33.19"N	76°4'47.45"E	12°17'22.59"N	76°2'59.42"E	12°18'9.28"N	76°3'9.47"E
543	5372	12°17'39.90"N	76°3'53.51"E	12°17'39.90"N	76°3'53.51"E	12°18'1.93"N	76°3'57.83"E	12°18'11.20"N	76°4'16.59"E	12°17'51.44"N	76°3'52.24"E
544	5469	12°19'14.30"N	76°42'2.62"E	12°19'14.30"N	76°42'2.62"E	12°18'32.23"N	76°42'54.81"E			12°18'47.48"N	76°42'58.13"E
545	5451	12°12'46.58"N	76°33'40.72"E	12°12'46.58"N	76°33'40.72"E	12°12'41.54"N	76°33'13.01"E	12°12'47.89"N	76°32'17.29"E	12°13'10.53"N	76°33'35.84"E
546	5474	12°11'36.98"N	76°18'50.02"E	12°11'36.98"N	76°18'50.02"E	12°10'57.37"N	76°17'58.64"E			12°11'13.47"N	76°18'19.86"E
547	5454	12°8'57.77"N	76°21'29.15"E	12°8'57.77"N	76°21'29.15"E	12°9'0.49"N	76°21'29.20"E	12°8'59.22"N	76°21'10.38"E	12°8'49.72"N	76°21'52.18"E
548	5450	12°8'35.48"N	76°21'50.46"E	12°8'35.48"N	76°21'50.46"E	12°8'23.73"N	76°20'50.70"E			12°8'27.40"N	76°21'13.67"E
549	5448	12°0'18.57"N	76°29'44.37"E	12°0'18.57"N	76°29'44.37"E	12°0'9.80"N	76°28'56.40"E			12°0'10.27"N	76°29'6.24"E
550	5449	12°4'5.30"N	76°21'54.94"E	12°4'5.30"N	76°21'54.94"E	12°4'2.85"N	76°21'56.93"E	12°4'41.75"N	76°21'46.73"E	12°4'19.85"N	76°21'54.76"E
551	5455	12°0'26.17"N	76°20'10.34"E	12°0'26.17"N	76°20'10.34"E	12°0'23.84"N	76°20'10.65"E	12°0'14.40"N	76°20'13.23"E	12°0'45.95"N	76°19'57.82"E
552	5475	12°20'42.42"N	76°21'4.95"E	12°20'42.42"N	76°21'4.95"E	12°19'50.78"N	76°21'48.00"E			12°20'5.61"N	76°21'44.72"E
553	4408	12°33'53.91"N	76°22'38.09"E	12°33'53.91"N	76°22'38.09"E	12°33'51.66"N	76°22'38.99"E			12°34'23.28"N	76°22'44.81"E
554	5401	12°31'41.26"N	76°15'23.29"E	12°31'41.26"N	76°15'23.29"E	12°32'20.47"N	76°15'33.04"E			12°31'16.84"N	76°15'47.64"E
555	5520	12°36'16.69"N	76°14'38.78"E	12°36'16.69"N	76°14'38.78"E	12°36'20.45"N	76°14'42.09"E	12°36'6.77"N	76°15'0.30"E	12°35'33.64"N	76°15'1.31"E
556	5478	12°27'35.77"N	76°20'7.25"E	12°27'35.77"N	76°20'7.25"E	12°27'44.05"N	76°18'50.44"E	12°27'43.81"N	76°18'59.81"E	12°27'30.14"N	76°19'58.03"E
557	5452, 5453	12.02246	76.525	12.02246	76.525	12.02246	76.525	11.9932	76.5287	12.022	76.5253
558	2599	12°29'30.72"N	76°6'28.77"E	12°29'30.72"N	76°6'28.77"E	12°29'33.96"N	76°6'35.21"E	12°29'39.12"N	76°6'49.12"E	12°29'46.10"N	76°7'14.67"E
559	5228	12°25'8.14"N	76°8'40.78"E	12°25'8.14"N	76°8'40.78"E	12°25'36.00"N	76°8'37.52"E	12°25'33.94"N	76°8'40.05"E	12°24'43.79"N	76°8'39.50"E
560	5384	12°16'34.91"N	76°56'41.69"E	12°16'34.91"N	76°56'41.69"E	12°16'5.88"N	76°56'39.79"E			12°15'44.99"N	76°56'32.39"E
561	5428	12°14'10.48"N	76°46'46.45"E	12°14'10.48"N	76°46'46.45"E	12°14'14.28"N	76°46'50.70"E	12°14'13.61"N	76°47'4.05"E	12°13'42.86"N	76°46'57.59"E
562	5427	16°21'49.83"N	76°56'57.13"E	16°20'32.21"N	76°55'32.93"E	16°16'21.795"N	76°26'23.21"E			16°16'19.039"N	77°26'24.072"E
563	5422	16°13'14.53"N	76°59'49.48"E	16°12'35.78"N	77°3'36.18"E	16°20'58079"N	77°18'58.886"E			16°20'55.197"N	77°19'0.35"E
564	5423, 5434, 4575	16°12'19.60"N	76°40'14.38"E	16°14'20.67"N	76°41'33.58"E	16°14'16.47"N	76°41'29.53"E	16°12'19.49"N	76°40'8.28"E	16°13'41.60"N	76°40'56.50"E
565	5462, 5477, 5458, 3001, 2216, 2536, 2538, 5442	16°8'14.12"N	76°59'34.85"E	16°8'8.04"N	76°59'33.57"E	16°8'8.80"N	76°59'32.73"E	16°8'23.34"N	76°59'41.06"E	16°8'59.32"N	77°0'5.49"E

566	5375, 1592, 5473, 5389, 2540, 2543	15°47'15.30"N	76°26'38.68"E	15°46'54.76"N	76°27'7.65"E	15°48'22.57"N	76°25'28.05"E	15°48'18.85"N	76°25'17.88"E	15°47'35.87"N	76°26'14.76"E
567	5476	16°10'33.26"N	77°23'28.24"E	16°16'21.83"N	77°26'23.277"E	16°16'21.83"N	77°26'23.277"E			16°16'19.039 N	77°26'24.072"E
568	5487	16°12'23.85"N	77°28'5.52"E	16°12'23.85"N	77°28'5.52"E	16°20'58079"N	77°18'58.886"E			16°20'55.197"N	77°19'0.35"E
569	2031	16°08'37.0"N	77°26'58.0"E	16°11'34.0"N	77°26'55.0"E	16°17'9.829"N	77°27'11.772"E			16°17'5.625"N	77°27'25.1"E
570	5498	16°20'9.45"N	77°23'31.73"E	16°16'21.83"N	77°26'23.277"E	16°12'20"N	77°57'55.51"E			16°20'32.21"N	77°55'32.93"E
571	5495	16°11'56.59"N	77°12'29.14"E	16°216.941"N	77°18'54.525"E	16°20'32.21"N	78°55'32.93"E			16°16'19.039 N	77°26'24.072"E
572	4839, 417	16°17'27.123"N	77°27'45.301"E	16°17'13/701"N	77°27'27.855"E	16°11'11/524"N	77°65'65.648"E			16°17'28/701"N	77°95'75.955"E
573	5480	15°59'58.88"N	77°29'54.94"E	16° 0'10.88"N	77°27'55.16"E	16° 058.57"N	77°27'55.16"E			16°29'20"N	77°28'95"E
574	5468	15°58'11.53"N	77°22'30.23"E	15°57'13.81"N	77°24'4.55"E	15°58'13.54"N	77°29'4.64"E			15°58'18.54"N	77°29'4.54"E
575	5391	16°17'31"N	76°54'26"E	16°17'34"N	76°41'46"E	16°17'34"N	76°41'46"E			15°48'22.3"N	74°51'17.2"E
576	5382	16°13'20"N	76°57'26"E	16°12'20"N	76°57'55.51"E	16°48'50.7"N	76°50'37.4"E			16°47'59"N	76°65'37.0"E
579	4221	15°16'16/21816"N	77°28'23.278"E	16°16'21.83"N	77°27'27.855"E	16°16'21.795"N	77°26'23.21"E			16°16'19.039 N	77°26'24.072"E
580	2503	16°21'10.296"N	77°1852.894"E	16°216.941"N	77°18'54.525"E	16°20'58079"N	77°18'58.886"E			16°20'55.197"N	77°19'0.35"E
581	462	16°3'22"N	77°29'21"E	16°3'31"N	77°29'24"E	16°2'56"N	77°29'20"E			16°29'20"N	77°29'20"E
582	3998, 751	15°48'37.5"N	74°47'24.0"E	15°48'37.5"N	74°47'24.0"E	15°48'37.5"N	74°47'24.0"E			15°48'36.6"N	74°47'23.9"E
583	3088, 4889, 3186, 5358, 2726	15°50'52.27"N	76°53'30.09"E	15°50'56.98"N	76°53'29.81"E	15°50'34.21"N	76°56'50.46"E	15°50'33.78"N	77° 0'40.25"E	15°51'2.21"N	76°55'18.82"E
584	2978	12°.72'86.61"	77°.12'90.27"	12°.72'86.61"	77°.12'90.27"	12°.72'86.32"	77°.12'91.37"	12°.72'7870"	77°.12'87.85"	12°.72'96.42"	77°.13'10.71"
585	5259	12°.27'21.32"	77°.27'08.04"	12°.27'21.32"	77°.27'08.04"	12°.27'14.42"	77°.27'14.42"			12°.27'20.54"	77°.27'11.76"
586	5273	12°.18'58.58"	77°.24'24.30"	12°.18'58.59"	77°.24'24.30"	12°.19'35.16"	77°.24'37.79"			12°.18'13.96"	77°.24'12.67"
587	5274	12°.31'15.18"	77°.28'04.12"	12°.31'15.18"	77°.28'04.12"	12°.31'15.18"	77°.28'04.12"	12°.31'09.59"	77°.28'17.81"	12°.31'21.32"	77°.27'58.81"
588	5275	12°.27'21.63"	77°.27'07.68"	12°.27'21.63"	77°.27'07.68"	12°.28'19.44"	77°.27'37.32"			12°.27'25.85"	77°.27'18.29"
589	5323	12°.32'55.13"	77°.33'28.07"	12°.32'55.13"	77°.33'28.07"	12°.32'53.65"	77°.33'27.50"	12°.32'59.85"	77°.33'39.84"	12°.32'55.08"	77°.33'56.69"
590	168	12°.37'37.57"	77°.12'58.23"	12°.37'37.57"	77°.12'58.23"	12°.37'52.92"	77°.12'10.67"	12°.37'49.76"	77°.12'20.17"	12°.37'56.58"	77°.12'10.97"
591	973	12°.40'41.65"	77°.08'53.13"	12°.40'41.65"	77°.08'53.13"	12°.40'41.65"	77°.08'53.13"	12°.40'02.03"	77°.08'37.71"	12°.40'48.30"	77°.09'04.95"
592	1568	12°.36'38.05"	77°.26'01.17"	12°.36'38.05"	77°.26'01.17"	12°.36'38.05"	77°.26'01.17"	12°.36'12.13"	77°.25'10.12"	12°.36'40.04"	77°.25'51.77"
593	1573	12°.33'15.44"	77°.27'19.66"	12°.33'15.44"	77°.27'19.66"	12°.33'18.39"	77°.27'51.11"	12°.33'17.01"	77°.26'55.67"	12°.33'14.10"	77°.27'22.11"
594	3309	12°.29'49.52"	77°.25'31.46"	12°.29'49.52"	77°.25'31.46"	12°.29'49.52"	77°.25'31.46"	12°.29'35.01"	77°.24'39.00"	12°.29'46.86"	77°.25'28.01"
595	4322	12°.31'11.72"	77°.22'58.01"	12°.31'11.72"	77°.22'58.01"	12°.31'11.72"	77°.22'58.01"	12°.31'09.04"	77°.23'27.47"	12°.31'21.63"	77°.22'58.92"
596	4415	12°.55'05.76"	77°.13'57.58"	12°.55'05.76"	77°.13'57.58"	12°.55'05.76"	77°.13'57.58"	12°.55'43.06"	77°.13'36.41"	12°.55'01.41"	77°.14'01.70"
597	2567	13°.07'29.97"	77°.08'16.45"	13°.07'29.97"	77°.08'16.45"	13°.07'30.65"	77°.08'16.87"	13°.07'25.52"	77°.08'29.78"	13°.07'47.19"	77°.08'32.39"
598	2757	13°.10'14.74"	77°.09'34.41"	13°.10'14.74"	77°.09'34.41"	13°.10'15.41"	77°.09'36.20"	13°.10'13.74"	77°.09'15.35"	13°.10'11.51"	77°.09'29.78"
599	259	12°.37'45.95"	77°.17'35.45"	12°.37'45.95"	77°.17'35.45"					12°.37'40.80"	77°.17'47.53"
600	290	12°.35'38.50"	77°.30'30.14"	12°.35'38.50"	77°.30'30.14"	12°.35'38.63"	77°.30'29.71"	12°.35'56.26"	77°.30'51.83"	12°.36'0.24"	77°.30'54.86"
601	295	12°.36'07.45"	77°.28'48.00"	12°.36'07.45"	77°.28'48.00"	12°.36'07.45"	77°.28'48.00"			12°.36'08.19"	77°.28'55.07"

602	2718	12.38°25.78"N	77.06°35.24"E	12.38°25.78"N	77.06°35.24"E	12.38°14.56"	77.06°38.50"	12.39°31.77"	77.06°15.08"	12.39°24.07"	77.06°25.26"
603	1040	12.38°20.03"N	77.07°29.16"E	12.38°20.03"N	77.07°29.16"E	12.38°20.03"N	77.07°29.16"E			12.38°20.03"N	77.07°29.16"E
604	1041	12.41°19.92"	77.13°24.34"	12.41°19.92"	77.13°24.34"	12.41°11.44"	77.13°38.20"	12.41°05.83"	77.13°37.98"	12.41°19.92"	77.13°24.34"
605	1043	13.05°33.50"	77.07°00.00"	13.05°33.50"	77.07°00.00"	13.05°33.50"	77.07°00.00"	13.05°32.59"	77.07°10.28"	13.05°31.06"	77.07°14.12"
606	1046	13.02°42.52"	77.05°20.86"	13.02°42.52"	77.05°20.86"	13.02°42.15"	77.05°22.26"			13.02°50.63"	77.05°16.94"
607	1052	12.59°28.94"	77.11°36.62"	12.59°28.94"	77.11°36.62"	12.59°31.55"	77.11°36.41"	12.59°48.34"	77.11°42.70"	12.59°39.44"	77.11°40.03"
608	25	13.01°57.48"	77.13°31.49"	13.01°57.48"	77.13°31.49"	13.01°57.53"	77.13°31.06"	13.02°22.04"	77.12°52.94"	13.02°01.63"	77.13°15.94"
609	29	12.55°05.84"	77.13°55.61"	12.55°05.84"	77.13°55.61"	12.55°31.84"	77.1444.48"	12.55°24.90"	77.14°14.07"	12.54°56.40"	77.13°50.17"
610	31	12.47°56.40"	77.12°36.67"	12.47°56.40"	77.12°36.67"	12.47°55.92"	77.12°36.20"	12.47°55.93"	77.12°36.23"	12.48°01.50"	77.13°01.81"
611	3000	12.41°57.90"	77.23°04.10"	12.41°57.90"	77.23°04.10"			12.41°57.90"	77.23°04.10"	12.41°42.80"	77.23°14.73"
612	3885	12.42°41.73"	77.24°25.22"	12.42°41.73"	77.24°25.22"	12.41°58.62"	77.24°30.26"			12.42°17.25"	77.24°26.92"
613	4438	12°40'29.97"	77°25'39.17"	12°40'29.97"	77°25'39.17"	12°41'16.06"	77°25'51.03"			12°41'12.67"	77°25'46.54"
614	15	12°39'15.19"	77°24'10.05"	12°39'15.19"	77°24'10.05"	12°39'10.28"	77°24'43.12"	12°39'01.79"	77°24'44.38"	12°39'01.79"	77°24'44.38"
615	1057, 1058, 4427, 354, 1643, 2202, 3152, 345, 501, 535,	14.169559	75.15545	14.169559	75.15545	14.169559	75.15545	14.166205	75.108139	14.169559	75.15545
616	1306, 3189, 2838, 2036, 2316, 4431, 1893, 4867, 827, 837,	14.309391	75.243308	14.309391	75.243308	14.309391	75.243308	14.504578	75.313613	14.309391	75.243308
617	1368, 1612, 3723, 1446,	14.303968	75.146285	14.303968	75.146285	14.303968	75.146285	14.508784	75.234955	14.303968	75.146285
618	5049	13.886464	75.740409	13.888628	75.734825	13.889443	75.728799	13.889714	75.727929	13.888234	75.737778
619	5177	13.90339	75.732036	13.903938	75.729384	13.906472	75.722764	13.905641	75.725311	13.903946	75.729776
620	5182	13.801819	75.721632	13.801615	75.719072	13.793689	75.721584	13.799875	75.718781	13.792838	75.721631
621	3148	13.832108	75.650498	13.832169	75.647512	13.831678	75.646749	13.834341	75.658047	13.834394	75.657955
622	3884	13.863035	75.709604	13.862794	75.712312	13.863748	75.708164	13.862794	75.712312	13.863035	75.709604
623	4003	13.866589	75.730763	13.85867	75.730819	13.861604	75.73102	13.866589	75.730763	13.86421	75.731426
624	4042	13.967597	75.556841	13.91724	75.560085	13.967597	75.556841	13.97447	75.562955	13.964374	75.551986
625	4154	13.933366	75.671392	13.933116	75.670215	13.935467	75.676944	13.93409	75.674961	13.93357	75.672635
626	4162	14.060552	75.61862	14.06098	75.615862	14.060198	75.620344	14.046065	75.642648	14.041499	75.64438
627	596	13.977166	75.669886	13.98428	76.670674	13.975394	75.66976	13.977166	75.669886	13.974414	75.669858
628	2958	13.739296	75.158302	13.733278	75.15852	13.734121	75.158298	13.74005	75.157779	13.736794	75.158634
629	3469	13.751825	75.117705	13.749396	75.117214	13.751412	75.117965	13.751825	75.117705	13.749396	75.117214
630	1204	13.730837	75.159201	13.730837	75.159201	13.730837	75.159201	13.748712	75.132326	13.748712	75.132326
631	1663	13.806626	75.674405	13.798055	75.677873	13.796724	75.677491	13.805269	75.675582	13.804234	75.676706
632	3841	13.734396	75.649417	13.733746	75.646931	13.735526	75.650693	13.723983	75.645251	13733668	75.648523
633	382	13.944566	75.53681	13.943964	75.53507	13.944892	75.537605	13.942728	75.530654	13.945826	75.525069
634	3526	14.051611	75.397505	14.052593	75.398605	14.050134	75.396951	14.03952	75.388221	14.038537	75.38891
635	4013	14.048604	75.464944	14.048278	75.465761	14.052118	75.460541	14.048604	75.464944	14.048709	75.46457
636	4561	13.890942	75.642686	13.897533	75.64371	13.890942	75.642686	13.893335	75.642178	13.834394	75.657955
637	4583	13.962983	75.768139	13.981875	75.769591	13.970655	75.758988	13.979876	75.766008	13.969173	75.749606
638	919	13.883333	74.935279	13.905913	74.942074	13.905913	74.942074	13.896498	74.936628	13.910124	75.129032
639	4146	13.464475	75.45573	13.464475	75.45573	13.451734	75.4357	13.464475	75.45573	13.451734	75.4357
640	4476	13.831256	75.003794	13.832108	75.003814	13.819012	75.009432	13.813503	75.015874	13.819133	75.009329
641	1143	13.718808	75.185787	13.718801	75.185869	13.729379	75.184921	13.745214	75.184467	13.737305	75.18467
642	5168	13.720266	75.633692	13.715298	75.63409	13.71257	75.634697	13.709357	75.636426	13.719981	75.633435
643	5135	13.907283	75.768629	13.906528	75.768416	13.91036	75.762123	13.91018	75.783902	13.909925	75.764272
644	1817	13.967832	75.572769	13.962773	75.574082	13.973642	75.57227	13.977048	75.571862	13.97035	75.572125

645	1818	14.081483	75.524342	14.081161	75.521736	14.080307	75.518222	14.080602	75.520893	14.070086	75.514213
646	1819	13°22'43.65"	77°15 '19.28"	13°22'43.65"	77°15 '24.36"	13°22'45.35"	77°15 '29.29"	13°22'43.65"	77°15 '19.29"	13°22'42.65"	77°15 '21.68"
647	3891	13°34'15.84"	77°18'46.60"	13°34'26.12"	77°18'34.26"	13°34'18.16"	77°18'66.85"	13°34'13.35"	77°18'56.36"	13°34'15.14"	77°18'46.30"
648	5130	13°27'46.86"	77°18 '13.20"	13°27'16.75"	77°18 '15.26"	13°27'56.76"	77°18 '29.24"	13°27'36.46"	77°18 '16.23"	13°27'86.16"	77°18 '16.21"
649	915	13°27'05.50"	77°15 '09.00"	13°27'23.20"	77°15 '91.35"	13°27'35.50"	77°15 '19.25"	13°27'36.12"	77°15 '09.69"	13°27'14.26"	77°15 '19.36"
650	1498	13°33'34.69"	77°22 '07.17"	13°33'24.45"	77°22 '32.18"	13°33'36.75"	77°22 '23.36"	13°33'38.45"	77°22 '63.41"	13°33'62.69"	77°22 '16.18"
651	1958, 2439, 3173	13.708157	77.094444	13.708157	77.094444	13.708145	77.092747	13.7078	77.0811	13.4225.93"	77.05'15.30"
652	2438	13.833458	77.372207	13.833458	77.372207	13.824314	77.342197				
653	4117										
654	4781	13.611426	76.942806	13.611426	76.942806	13.364669	76.5633.50	13.372799	76.562479	13.370398	76.562358
655	2214, 4122	13.52'48.50"	76.53'08.78"	13.52'48.50"	76.53'08.78"			13.53'11.43"	76.53'0.63"	13.52'52.11"	76.53'05.17"
656	1455					13.36'33.37"	76.58'03.20"			13.36'19.40"	76.58'19.75"
657	1647	13.699971	76.986874	13.699971	76.986874	13.36'33.37"	76.58'03.20"			13.36'19.40"	76.58'19.75"
658	4935					13.36'33.37"	76.58'03.20"			13.36'19.40"	76.58'19.75"
661	3578	13.260242	76.992156	13.260242	76.992156	13.2561183	76.9817869	13.260303	76.992519	13.2593477	76.9906379
662	3581	13.4183567	76.8502276	13.4183567	76.8502276	13.4113812	76.8494658	13.3950951	76.846396	13.4117533	76.8495506
663	4983	13.2926248	76.9625182	13.2926248	76.9625182	13.2906964	76.9602548	13.2905172	76.9601344	13.2926248	76.9625182
664	519	12.841329"	76.942843"	12.839134"	76.934166"	12.840318"	76.930847"	12.844262"	76.926906"	12.844157"	76.924549"
665	1231	12.909449"	77.048193"	12.908805"	77.047975"	12.915693"	77.046545"	12.916310"	77.046128"	12.916320"	77.046158"
666	2314	12.849425"	76.952610"	12.849435"	76.952618"	12.849435"	76.952630"	12.848505"	76.959149"	12.854095"	76.954906"
667	3730	13°18'49"	76°42'56"	13°18'49"	76°42'56"	13°18'27.82"	76°43 '42.18"	13°18'49.23"	76°42 '2.16"	13°18'47.77"	76°42 '60.83"
668	3731	13°23'08"	76°45'70"	13°23'08"	76°45'70"						
669	4760	13°20'03"	76°37'48"	13°20'04.16"	76°37'41.56"	13°20'03.3"	76°37'45.79"	13°20'10.62"	76°36 '01.41"	13°20'04.16"	76°37'41.56"
670	4883	13.375952"	77.129384"	13.380474"	77.136165"	13.380331"	77.137731"	13.380459"	77.136891"	13.380340"	77.138770"
671	329	13.300296"	77.129249"	13.300288"	77.128992"	13.301286"	77.127630"	13.301247"	77.128429"	13.300924"	77.136364"
672	1960	13.353495"	77.081330"	13.354785"	77.066125"	13.353891"	77.080679"	13.355835"	77.061699"	13.347170"	77.050508"
673	2253	13.177736"	77.046748"	13.177319"	77.046979"	13.181618"	77.044906"	13.181554"	77.043947"	13.181413"	77.043170"
674	2892	13.135504"	76.984994"	13.135525"	76.984245"	13.146586"	77.005512"	13.147294"	77.007145"	13.147254"	77.007125"
675	2893	13.126157"	77.011522"	13.127075"	77.011911"	13.127632"	77.011896"	13.128754"	77.012436"	13.122705"	77.013231"
676	2910	13°09'29"	76°71 '03"	13°08'70.35"	76°69'18.77"	13°08'63.79"	76°68 '10.83"			13°08'66.63"	76°68'00.01"
677	3424	13°11'60.93"	76°65 '23.97"	13°11'62"	76°65 '28"	13°11'60.93"	76°65 '23.97"	13°11'60.93"	76°65 '23.97"	13°11'62"	76°65 '28"
678	3488	13.388145"	77.314569"	13.388196"	77.313605"	13.390409"	77.305079"	13.391131"	77.304368"	13.389803"	77.306805"
679	4872	13.699002"	77.290112"	13.699002"	77.290112"	13.698388"	77.284582"	13.702475"	77.296966"	13.702914"	77.299580"
680	174	13.383254"	77.290555"	13.383254"	77.290555"	13.386511"	77.295448"	13.390279"	77.296548"	13.391851"	77.295812"
681	1371	13.473434"	77.341678"	13.473434"	77.341678"	13.476362"	77.339097"	13.480676"	77.327757"	13.480780"	77.316000"
682	1541	13°21'25.29"	77°03 '14.39"	13°21'35.59"	77°03 '34.39"	13°21'15.36"	77°03 '34.35"	13°21'36.12"	77°03 '12.38"	13°21'35.39"	77°03 '34.34"
683	1549	13°41'51.76" N	77°20'44.58"E	13°41'51.76" N	77°20'44.58"E	13°41'51.59" N	77°20'44.08"E	13°41'45.94" N	77°20'10.93"E	13°41'43.32" N	77°20'24.40"E
684	1552	13°46'44.85" N	77°19'47.19"E	13°46'44.85" N	77°19'47.19"E	13°46'44.85" N	77°19'47.19"E	13°47'08.9" N	77°19'36.44"E	13°47'06.40" N	77°19'37.70"E
685	2554	13°45'54.95" N	77°15'57.22"E	13°45'54.95" N	77°15'57.22"E	13°45'48.62" N	77°15'57.22"E	13°46'01.09" N	77°15'51.53"E	13°45'42.90" N	77°15'59.10"E
686	2555	13°47'04.67" N	77°14'10.460"E	13°47'04.67" N	77°14'10.460"E	13°47'06.85" N	77°14'10.49"E	13°47'51.92" N	77°13'43.08"E	13°47'52.87" N	77°13'41.34"E
687	4409	13°45'13.27" N	77°23'15.11"E	13°45'13.27" N	77°23'15.11"E	13°46'11.16" N	77°22'06.60"E	13°46'07.75" N	77°22'06.73"E	13°45'12.50" N	77°23'10.54"E
688	309	14°04'40.31" N	77°12'45.53"E	14°04'40.31" N	77°12'45.53"E	14°04'40.27" N	77°12'45.91"E	14°04'35.82" N	77°12'35.63"E	14°05'00.68" N	77°12'34.36"E
689	1330	14°13'28.44"N	77°07'51.96"E	14°13'28.44"N	77°07'51.96"E	14°13'05.52"N	77°07'51.96"E			14°13'20.50"N	77°07'37.93"E
690	2861	14°01'54.61"N	77°14'11.42"E	14°01'54.61"N	77°14'11.42"E	14°02'32.51"N	77°14'49.55"E	14°02'47.54"N	77°15'06.82"E	14°02'50.52"N	77°15'08.69"E
691	4312	13°55'05.50"N	76°51'58.59"E	13°55'05.50"N	76°51'58.59"E	13°55'05.34"N	76°52'00.38"E	13°55'07.40"N	76°51'42.24"E	13°55'07.34"N	76°51'46.50"E

692	4784	13°59'02.04"N	76°57'31.94"E	13°59'02.04"N	76°57'31.94"E	13°59'01.99"N	76°57'31.54"E	13°59'23.51"N	76°58'03.79"E	13°59'25.63"N	76°58'01.10"E
693	1139	13°38'56.54"N	76°58'33.42"E	13°38'56.54"N	76°58'33.42"E	13°38'59.19"N	76°58'32.99"E	13°38'32.38"N	76°58'47.52"E	13°38'32.38"N	76°58'41.61"E
694	1435	13°55'05.54"N	76°59'27.90"E	13°55'05.54"N	76°59'27.90"E	13°55'03.91"N	76°59'27.82"E			13°54'59.07"N	76°59'29.69"E
695	2711	13°51'44.43"N	76°57'25.44"E	13°51'44.43"N	76°57'25.44"E	13°51'46.12"N	76°57'25.36"E	13°51'51.76"N	76°57'25.98"E	13°51'56.69"N	76°57'25.44"E
696	1155	13°32'33.13"N	77°02'31.12"E	13°32'33.13"N	77°02'31.12"E	13°32'51.81"N	77°02'35.93"E			13°32'30.28"N	77°02'38.99"E
698	2621	13°20'59.45"	76°49'26.40"	13°20'59.45"	76°49'26.40"	13°20'59.45"	76°49'26.40"	13°21'039"	76°49'25.26"	13°21'02.72"	76°49'21.56"
699	3181	13.147325	76.556502	13.147325	76.556502	13.147551	76.556433	13.151301	76.54524	13.150596	76.546494
700	4054	13.1968	76.5094	13.193	76.5014	13.1967	76.5093			13.1955	76.5054
701	4457	13.4047	76.411	13.4047	76.411	13.4047	76.411			13.4018	76.4096
702	4460	13.366882°	77.057778°	13.362106°	77.066648°	13.362115°	77.068406°	13.362766°	77.068432°	13.367032°	77.069424°
703	358	13.1043	76.6127	13.104556	76.616615	13.104551	76.616168	13.107446	76.617407	13.105897	76.616682
706	2124	13°13'07.64"	76°58'47.19"	13°13'07.64"	76°58'47.19"	13°13'07.64"	76°58'47.19"			13°13'13.01"	76°58'49.72"
707	2250	13°11'57.09"	76°57'34.86"	13°11'57.09"	76°57'34.86"	13°11'57.09"	76°57'34.86"			13°11'50.50"	76°57'45.38"
708	2251	13°11'28.18"	76°53'37.88"	13°11'28.18"	76°53'37.88"	13°11'28.57"	76°53'37.00"	13°11'15.61"	76°53'51.87"	13°11'29.79"	76°53'32.17"
709	917, 1386	13°12'45.06"	76°55'28.59"	13°12'45.06"	76°55'28.59"	13°12'46.56"	76°54'41.75"	13°12'41.17"	76°55'34.17"	13°12'45.31"	76°54'47.63"
710	2452	13°21'22.91"	76°59'12.37"	13°21'22.91"	76°59'12.37"	13°21'22.72"	76°59'12.34"	13°21'27.28"	76°59'02.99"	13°21'21.21"	76°59'11.66"
711	2690	13.119738°	76.976383°	13.121005°	76.979157°	13.126160°	76.998549°	13.119661°	76.994411°	13.122359°	76.996066°
712	337	12.884603°	76.972328°	12.884603°	76.972328°	12.890261°	76.957696°	12.897533°	76.957863°	12.911499°	76.955918°
713	555	12.880001°	77.011221°	12.880001°	77.011221°	12.882124°	77.011473°	12.887686°	77.009640°	12.896503°	77.007409°
714	959	12.866990°	77.103975°	12.866990°	77.103975°	12.868076°	77.114516°	12.866900°	77.121382°	12.867810°	77.116883°
715	1927	12.976242°	77.012714°	12.976242°	77.012714°	12.979908°	77.012779°	12.986290°	77.014039°	12.993478°	77.017978°
717	3254	13.383194°	77.095810°	13.383194°	77.095810°	13.387231°	77.089014°	13.388352°	77.084619°	13.388504°	77.082203°
718	549	13.362318°	77.067618°	13.362252°	77.067119°	13.362628°	77.068426°	13.365053°	77.069055°	13.367519°	77.070912°
719	595	13.217261°	77.181940°	13.214581°	77.179645°	13.210437°	77.178195°	13.208186°	77.181843°	13.217533°	77.181988°
720	1006	13.281094°	77.184344°	13.281094°	77.184344°	13.271740°	77.182484°	13.254707°	77.173245°	13.236576°	77.175278°
721	1520	13.283259°	77.184924°	13.283259°	77.184924°	13.271040°	77.182483°	13.254290°	77.172861°	13.238376°	77.171080°
724	5052	13.341893°	74.788935°	13.341173°	74.788859°	13.3395N	74.8021E	13.342713°	74.786537°	13.3382N	74.7940E
725	125	13.172386°	74.776739°	13.172329°	74.776814°	13.172565°	74.775155°	13.1818N	74.7710E	13.1763N	74.7744E
726	131	13.610223°	74.714554°	13.610422°	74.713993°	13.611524°	74.712190°	13.6126N	74.7176E	13.6077N	74.7132E
727	141	13.432297°	74.781235°	13.432756°	74.781364°	13.436548°	74.777527°	13.4374N	74.7669E	13.4353N	74.7780E
728	44	13.445326°	74.731358°	13.445367°	74.734405°	13.443875°	74.735715°	13.42983099N	74.7291575E	13.43577245N	74.72622976E
729	49	13.546305°	74.746546°	13.545332°	74.748154°	13.544565°	74.752130°	13.44921847N	74.72610941E	13.45079724N	74.72289418E
730	132	13.838779°	74.686172°	13.838768°	74.686142°	13.838723°	74.686119°			13.838785°	74.686204°
731	4063	13.844216°	74.701469°	13.844256°	74.701417°	13.844177°	74.701468°	13.867529°	74.68955°	13.844271°	74.701304°
732	2106	13.761056°	74.65678°	13.761092°	74.656786°	13.761095°	74.656777°			13.761066°	74.656753°
733	4648	13.713638°	74.797165°	13.713621°	74.797092°	13.713657°	74.797063°	13.713395°	74.800704°	13.713636°	74.797059°
734	117	13.734626°	74.683856°	13.734615°	74.683863°	13.734548°	74.683865°	13.742504°	74.66195°	13.734624°	74.68385°
735	3393	13.752568°	74.733727°	13.74795°	74.72294°	13.747923°	74.722893°			13.747957°	74.722926°
736	2265	13.75926°	74.654071°	13.759242°	74.654033°	13.759211°	74.654053°	13.6956N	74.8570E	13.759295°	74.653995°
737	1372	13.245551°	74.827719°	13.245582°	74.827739°	13.245704°	74.827528°	13.259806°	74.824785°	13.245575°	74.827732°
738	3313	13.204545°	74.812987°	13.204563°	74.813032°	13.204595°	74.813038°			13.204561°	74.812997°

739	4744	13.205185°	74.842725°	13.205164°	74.842757°	13.205139°	74.842963°			13.20521°	74.842686°
740	2337	13.212088°	74.836391°	13.212117°	74.83643°	13.212115°	74.836398°			13.212134°	74.836468°
742	5183	13.339576°	74.855627°	13.339566°	74.855617°	13.339579°	74.855630°			13.339569°	74.855609°
743	351	13.326099°	74.794858°	13.326088°	74.794852°	13.32636°	74.794921°	13.301866°	74.805931°	13.32608°	74.794855°
744	660	13.316694°	74.832727°	13.3167°	74.832753°	13.316609°	74.832826°	13.300914°	74.850129°	13.316722°	74.832736°
745	700	13.117681°	74.878306°	13.117702°	74.878348°	13.117704°	74.878342°			13.117648°	74.878301°
746	808	13.186737°	74.920099°	13.186741°	74.920082°	13.186558°	74.920095°			13.186814°	74.920108°
747	5252	13°15'03.11"N	74°52'16.67"E	13°15'03.27"N	74°54'17.71"E	13°15'03.12"N	74°52'18.02"E			13°15'02.91"N	74°52'18.48"E
748	4745	13°16'56.66"N	74°54'18.41"E	13°16'56.95"N	74°54'17.71"E	13°16'56.91"N	74°54'18.24"E			13°16'56.78"N	74°54'18.94"E
749	4756	13.223932°	74.95118°	13.223928°	74.951169°	13.223815°	74.951072°			13.223909°	74.951148°
751	4758	13.280661°	75.000764°	13.280665°	75.000763°	13.280668°	75.0008°	13.278108°	75.000065°	13.280664°	75.000768°
752	4759	13.490394°	74.99316°	13.490337°	74.993145°	13.49033°	74.993127°	13.499621°	74.981974°	13.49034°	74.993141°
753	4842	13.321456°	74.996428°	13.321467°	74.996402°	13.321555°	74.996182°			13.321455°	74.996306°
754	3257	13.402875°	75.000277°	13.402872°	75.000267°	13.40288°	75.000275°	13.409052°	75.012657°	13.402867°	75.000278°
755	3270	13.590688°	74.751309°	13.590761°	74.75128°	13.590745°	74.751256°	13.5985N	74.7484E	13.590688°	74.751324°
756	5019	13.593968°	74.79331°	13.59392°	74.793302°	13.593767°	74.793348°			13.593923°	74.793294°
757	913	13.594089°	74.79309°	13.594122°	74.79308°	13.594061°	74.793056°	13.609878°	74.799967°	13.594109°	74.79307°
758	925	13.551006°	74.935832°	13.550979°	74.935816°	13.551096°	74.935922°	13.550741°	74.940466°	13.55096°	74.935784°
759	892	13.520223°	74.996468°	13.520245°	74.996449°	13.520242°	74.996445°	13.537368°	75.005891°	13.520219°	74.996484°
760	1707	13.522574°	74.966555°	13.522581°	74.966555°	13.522601°	74.966549°	13.538887°	74.955645°	13.522615°	74.966572°
761	3834	13.516794°	74.914041°	13.51686°	74.91409°	13.516793°	74.914039°	13.518275°	74.901664°	13.516801°	74.91403°
762	1718	13.48606°	74.794632°	13.486047°	74.794584°	13.486037°	74.794631°	13.471932°	74.787515°	13.486068°	74.794594°
763	3909	13.420316°	74.821405°	13.420309°	74.821409°	13.420309°	74.821405°	13.432073°	74.818627°	13.42032°	74.821404°
764	4589	13.418093°	74.812093°	13.41807°	74.812098°	13.418079°	74.811939°			13.418049°	74.812101°
765	5523	13.422505°	74.86527°	13.422487°	74.865294°	13.422299°	74.865352°	13.426363°	74.861495°	13.422503°	74.865327°
766	4067	13.42239°	74.806113°	13.422388°	74.806097°	13.422431°	74.806031°			13.422393°	74.806108°
767	4145	13.386675°	74.793664°	13.386686°	74.793672°	13.38641°	74.79399°			13.386664°	74.793688°
768	5176	14.087388°	74.524025°	14.087388°	74.524025°	14.089717°	74.538943°	14.0733N	74.545E	14.087388°	74.524025°
769	650	13.958391°	74.604108°	13.958673°	74.603822°	13.958728°	74.603755°	13.9614N	74.5997E	13.958459°	74.604045°
770	708	14.169295°	74.493714°	14.169315°	74.493744°	14.169252°	74.493758°	14.1704N	74.5025E	14.169338°	74.493803°
771	712	14.086806°	74.52207°	14.086817°	74.522071°	14.086818°	74.522066°	14.0891N	74.5328E	14.086812°	74.522016°
772	3044	13.948952°	74.583985°	13.948937°	74.584001°	13.948947°	74.58399°	13.9452N	74.5718E	13.948934°	74.58396°
773	4219	14.248976°	74.655555°	14.248976°	74.655555°	14.248976°	74.655555°	14.0828N	74.6386E	14.248976°	74.655555°
774	4269	14.252898°	74.556988°	14.254579°	74.557702°	14.261900°	74.557702°	14.2586N	74.5556E	14.266522°	74.558297°
775	4600	14.276077°	74.523156°	14.276046°	74.523078°	14.276078°	74.523166°	14.2732N	74.5247E	14.276049°	74.523116°
776	3780, 3786	14.233018°	74.56841°	14.233018°	74.56841°	14.233018°	74.56841°	14.2244N	74.5515E	14.233018°	74.56841°
777	4156	14.286136°	74.46003°	14.286154°	74.460048°	14.286069°	74.460028°	14.2816N	74.4645E	14.286093°	74.460025°
778	2494	14.237403°	74.50417°	14.237407°	74.504236°	14.237546°	74.504224°	14.2390N	74.5010E	14.237367°	74.50421°
779	409	15.415709°	74.537086°	15.414188°	74.534051°	15.406231°	74.527616°			15.397686°	74.546552°
780	3869	15.168938°	74.70923°	15.168938°	74.70923°	15.168938°	74.70923°			15.168938°	74.70923°
781	404, 5322	15.251015°	74.785405°	15.251015°	74.785405°	15.251015°	74.785405°			15.251015°	74.785405°

782	405	15.314454°	74.856814°	15.314467°	74.85682°	15.314454°	74.85681°			15.31441°	74.856895°
783	5255	15.220940°	74.708068°	15.226453°	74.718478°	15.243196°	74.707049°			15.232953°	74.720112°
784	5256	15.311959°	74.691467°	15.313118°	74.695501°	15.320072°	74.701767°			15.335303°	74.723569°
785	5271	15.332638°	74.754113°	15.332655°	74.754118°	15.332661°	74.754126°	15.3383N	74.7518E	15.33266°	74.75411°
786	3732	14.645841°	74.325362°	14.645842°	74.32538°	14.645852°	74.325367°			14.645835°	74.325408°
787	3733	14.651236°	74.452313°	14.651239°	74.45232°	14.651244°	74.452337°			14.651238°	74.452315°
788	2798	14.640501°	74.32777°	14.640501°	74.32777°	14.640501°	74.32777°	14.7038N	74.4606E	14.640501°	74.32777°
789	4229	14.685824°	74.462638°	14.685824°	74.462638°	14.685824°	74.462638°			14.685824°	74.462638°
790	255	14.728926°	74.277466°	14.72889°	74.277458°	14.728887°	74.277452°			14.72893°	74.277311°
791	1054										
792	1662	14.878271°	74.132586°	14.878253°	74.132508°	14.878262°	74.132665°	14.8722N	74.1250E	14.878226°	74.132418°
793	5293	14.837059°	74.175293°	14.837059°	74.175293°	14.837059°	74.175293°	14.8903N	74.2598E	14.837059°	74.175293°
794	5288	14.836603°	74.174029°	14.836599°	74.174038°	14.836616°	74.174119°			14.836617°	74.17411°
795	5294	14.313007°	74.504172°	14.313131°	74.504143°	14.313013°	74.504076°	14.3164N	74.5089E	14.313128°	74.50413°
796	5287	14.322878°	74.434822°	14.323018°	74.434795°	14.32314°	74.434742°	14.3210N	74.4502E	14.322911°	74.434858°
797	5297	14.400929°	74.4671°	14.401104°	74.467071°	14.400976°	74.467106°			14.400926°	74.467114°
798	1136	14.392525°	74.479198°	14.392522°	74.479197°	14.392473°	74.479053°	14.3922N	74.4802E	14.392446°	74.478997°
799	4794	14.437805°	74.5067°	14.437805°	74.5067°	14.437805°	74.5067°			14.437805°	74.5067°
800	1095	14.519160°	74.438460°	14.523014°	74.444278°	14.518469°	74.453465°	14.5459N	74.4408E	14.512045°	74.441727°
801	3805	14.492822°	74.498386°	14.492853°	74.498366°	14.492863°	74.498374°			14.492835°	74.498362°
802	4882	14.61602°	74.903174°	14.616013°	74.903199°	14.616013°	74.903199°	14.6344N	74.9092E	14.616013°	74.903199°
803	3427	14.730733°	74.841074°	14.730733°	74.841074°	14.730733°	74.841074°			14.730733°	74.841074°
804	5184	14.714659°	74.845906°	14.71465°	74.845959°	14.71473°	74.846028°			14.714638°	74.845989°
805	1975	14.61571°	74.64422°	14.615694°	74.644188°	14.615699°	74.644189°			14.615735°	74.644228°
806	748	14.383793°	74.770391°	14.383793°	74.770391°	14.383793°	74.770391°			14.383793°	74.770391°
807	2492	14.256869°	74.808316°	14.256869°	74.808316°	14.256869°	74.808316°			14.256869°	74.808316°
808	1108	14.857896°	74.818831°	14.857925°	74.818795°	14.857928°	74.818796°			14.857919°	74.818844°
809	1217	14.81191°	74.832879°	14.81191°	74.832879°	14.81191°	74.832879°			14.81191°	74.832879°
810	3609	15.054607°	74.849236°	15.054618°	74.849267°	15.054606°	74.849238°			15.0546°	74.849234°
811	5282	15.056009°	74.843132°	15.056026°	74.843107°	15.055994°	74.84312°			15.056059°	74.843082°
812	753	15.054791°	74.995186°	15.054791°	74.995189°	15.054791°	74.995188°			15.054793°	74.995185°
813	215	15.060983°	75.02332°	15.060996°	75.023297°	15.06099°	75.023313°			15.060999°	75.023311°
814	240	15.387081°	74.765933°	15.387578°	74.762843°	15.390722°	74.771169°			15.389398°	74.764989°
815	1299	14.874281°	74.133554°	14.874231°	74.133539°	14.874222°	74.133544°			14.874232°	74.13351°
816	5151	14.548453°	74.349085°	14.54845°	74.349081°	14.548482°	74.349026°	14.5456N	74.3551E	14.548451°	74.349179°

817	69, 3807	15° 0'29.16"N	76°17'20.51"E	15° 0'29.16"N	76°17'20.51"E	14°59'27.63"N	76°16'8.08"E			14°59'04.00"N	76°14'29.00"E
818	72, 3999, 5037, 3931	15° 8'7.59"N	76°16'44.75"E	15° 8'7.59"N	76°16'44.75"E					15° 4'19.78"N	76°14'26.91"E
819	4942, 339, 943	14°52'40.66"N	76°21'33.53"E	14°52'40.66"N	76°21'33.53"E	14°52'39.84"N	76°21'25.60"E			14°53'05.00"N	76°19'56.00"E
820	4945, 3302, 2948, 914	14°43'32.26"N	76°27'6.85"E	14°43'32.26"N	76°27'6.85"E	14°43'35.96"N	76°27'19.07"E			14°42'13.00"N	76°26'25.00"E
821	3327	14°44'50.25"N	14°44'50.25"N	14°44'50.25"N	14°44'50.25"N	14°44'50.25"N	14°44'50.25"N			14°43'33.00"N	76°36'42.00"E
822	4772, 4564	14°50'3.52"N	76°29'46.88"E	14°50'3.52"N	76°29'46.88"E	14°49'59.43"N	76°29'43.30"E			14°50'5.24"N	76°26'19.62"E
823	5522	15°18'4.41"N	76°33'46.46"E	15°18'3.75"N	76°33'45.71"E	15°18'0.71"N	76°33'45.57"E	15°17'57.05"N	76°33'56.54"E	15°17'57.00"N	76°34'11.93"E
824	4326	15°13'40.93"N	76°31'16.96"E	15°13'40.05"N	76°31'14.03"E	15°13'38.99"N	76°31'11.12"E	15°13'39.67"N	76°30'56.64"E	15°13'44.17"N	76°30'50.96"E
825	3940, 5036	14°47'33.48"N	76°12'8.32"E	14°47'33.48"N	76°12'8.32"E	14°47'33.48"N	76°12'8.32"E			14°52'38.20"N	76° 9'38.91"E
826	5134	15°19'52.65"N	76°27'23.97"E	15°19'54.88"N	76°27'23.05"E	15°19'50.95"N	76°27'23.89"E	15°19'52.96"N	76°26'6.74"E	15°19'52.10"N	76°26'7.18"E
827	4084	15°18'35.57"N	76°26'45.56"E	15°18'36.94"N	76°26'46.06"E	15°18'35.09"N	76°26'42.24"E	15°17'45.07"N	76°26'2.89"E	15°17'32.69"N	76°26'11.36"E
828	4083	16.54669°	75.545781°	16.54669°	75.545781°	16.54669°	75.545781°	16.54669°	75.545781°	16.54669°	75.545781°
829	1336	16.535345°	75.595715°	16.534368°	75.595239°	16.53359°	75.594957°	16.525277°	75.589844°	16.52289°	75.584262°
830	1341	16.504404°	75.5480179	16.505229°	75.5483°	16.506095°	75.548625°	16.546353°	75.54575°	16.514088°	75.549603°
831	896	16.658075°	75.820398°	16.658053°	75.820395°	16.658152°	75.820111°	16.662055°	75.853687°	16.661283°	75.842018°
832	2877	16.628708°	75.966862°	16.628715°	75.966853°	16.628738°	75.967084°	16.626086°	75.978327°	16.627472°	75.970764°
833	4282	16.62813°	76.008182°	16.634869°	75.988932°	16.634503°	75.989711°	16.635386°	75.966943°	16.64242°	75.969728°
834	4286	16.627347°	75.890317°	16.627328°	75.890314°	16.62739°	75.889997°	16.615076°	75.883709°	16.617686°	75.09401°
835	5071	16°47'41.49"N	75°41'31.03"E	16°47'43.39"N	75°41'33.80"E	16°47'43.51"N	75°41'17.99"E	16°47'40.91"N	75°41'19.53"E	16°47'38.98"N	75°41'5.63"E
836	5078	16°49'9.75"N	75°38'19.07"E	16°49'7.94"N	75°38'12.27"E	16°49'4.90"N	75°37'58.96"E	16°49'4.73"N	75°37'54.23"E	16°48'59.41"N	75°37'5.44"E
837	4477	16°42'56.71"N	76°18'32.70"E	16°42'47.98"N	76°18'29.71"E	16°43'0.18"N	76°18'42.63"E	16°43'6.39"N	76°18'48.78"E	16°44'13.85"N	76°19'6.69"E
838	1012	16°45'43.97"N	76°14'3.41"E	16°45'53.10"N	76°14'23.17"E	16°46'24.24"N	76°14'39.43"E	16°46'29.04"N	76°14'39.04"E	16°46'7.84"N	76°14'44.15"E
839	5146	17° 7'18.07"N	75°44'37.30"E	17° 7'33.35"N	75°44'36.28"E	17° 8'1.80"N	75°44'32.67"E	17° 8'48.08"N	75°44'30.79"E	17° 9'13.01"N	75°44'38.66"E
840	4316	16°55'35.69"N	75°56'46.30"E	16°55'46.64"N	75°56'39.69"E	16°56'29.85"N	75°56'26.91"E	16°57'8.60"N	75°56'23.09"E	16°57'34.21"N	75°56'14.67"E
841	5241	17° 7'52.11"N	75°57'17.81"E	17° 7'57.59"N	75°57'20.49"E	17° 7'42.23"N	75°57'13.05"E	17° 7'26.95"N	75°57'10.14"E	17° 7'26.93"N	75°57'0.79"E
843	423	16.307887°	76.070616°	16.305493°	76.071199°	16.783448°	76.051448°	16.281780°	76.058419°	16.272128°	76.06759°
844	5164	16.357198°	76.116943°	16.360234°	76.11737°	16.357198°	76.116943°	16.354256°	76.117462°	16.349885°	76.116581°
845	1152	16.240728°	76.787140°	16.233446°	76.282445°	16.238886°	76.279882°	16.235340°	76.271579°	16.238438°	76.262379°
846	4694	16.199513°	76.117781°	16.19954°	76.117772°	16.198936°	76.119544°	16.197783°	76.124134°	16.197791°	76.124151°
847	1526	16.819483°	75.987171°	16.820375°	75.987012°	16.821272°	75.986752°	16.824308°	75.990028°	16.826938°	75.993542°
848	88	17.31222°	75.655716°	17.312395°	75.654784°	75.653812°	17.310521°	17.310521°	75.639741°	17.310582°	75.641881°
849	2529	17.404265°	75.699632°	17.404243°	75.699464°	17.403956°	75.69779°	17.40076°	75.685812°	17.396802°	75.66749°
850	3190	16.936268°	76.073019°	16.938044°	76.072987°	16.937972°	76.072974°	16.966001°	76.067244°	16.959472°	76.069388°
851	2431	17.105275°	76.31313°	17.105272°	76.314076°	17.105289°	76.314941°	17.103630°	76.328381°	17.104507°	76.120194°
852	4924	16.882773°	76.405761°	16.884321°	76.405494°	16.885209°	76.40516°	16.884321°	76.405494°	16.894833°	76.400016°
853	1931, 3381	17.454215°	75.662068°	17.454926°	75.662543°	17.454445°	75.663164°	17.445291°	75.668899°	17.446859°	75.667903°
854	3127	16.666928	75.685981	16.666509	75.687042	16.665954	75.688676	16.664587	75.700419	166°43.75916"N	75°54'2.46632"E
855	4480	16.965479°	75.692559°	16.965488°	75.692564°	16.965612°	75.692996°	16.961125°	75.689278°	16.962604°	75.690395°
856	4481	16.938952°	75.567304°	16.938945°	75.567299°	16.938929°	75.567284°	16.947171°	75.557666°	16.948526°	75.557106°
857	4507	16.495724	75.880318	16.496672	75.880983	16.499162	75.883371	16.49577	75.880397	16.510277	75.897094
858	3129	16.491336	75.681609	16.491521	75.680662	16.491521	75.680662	16.491648	75.680128	16.494391	75.669893
859	3343	16.549537	75.706023	16.548646	75.70615	16.546829	75.707769	16.524177	75.705265	16.545464	75.710091

860	4483	16.456364	75.732015	16.457303	75.732159	16.460038	75.732519	16.459994	75.732559	16.46992	75.73386
861	5206	16.461102	75.759994	16.461974	75.759791	16.462736	75.75927	16.462277	75.759689	16.467678	75.754117
862	5187	16°50'55.85"N	75°39'41.55"E	16°51'5.04"N	75°39'43.05"E	16°50'48.58"N	75°39'30.27"E	16°50'35.31"N	75°39'31.11"E	16°50'9.53"N	75°39'26.16"E
863	5188	16°50'38.14"N	75°40'39.64"E	16°50'40.59"N	75°40'37.35"E	16°50'46.63"N	75°40'32.02"E	16°50'50.63"N	75°40'20.35"E	16°50'54.97"N	75°39'59.55"E
864	5217	16°51'37.18"N	75°40'18.65"E	16°51'36.45"N	75°40'5.71"E	16°51'37.32"N	75°39'58.29"E	16°51'36.37"N	75°39'37.45"E	16°51'33.04"N	75°39'25.66"E
865	5142	16°42'33.77"N	76°26'8.46"E	16°42'19.06"N	76°26'3.51"E	16°42'16.66"N	76°25'53.95"E	16°42'13.35"N	76°25'46.03"E	16°42'7.32"N	76°25'43.24"E
866	5180	16°32'14.56"N	76°4'39.16"E	16°32'4.73"N	76°4'27.70"E	16°31'47.41"N	76°4'15.73"E	16°31'44.06"N	76°4'9.67"E	16°31'30.04"N	76°3'52.96"E
867	2611	17°11'17.62"N	76°2'28.51"E	17°8'30.76"N	76°1'17.49"E	17°10'50.29"N	76°2'19.44"E	17°10'27.99"N	76°2'9.67"E	17°9'26.97"N	76°1'49.31"E
868	5345	17°9'0.13"N	75°50'12.39"E	17°8'52.48"N	75°50'15.00"E	17°9'7.57"N	75°50'7.89"E	17°9'18.64"N	75°49'58.00"E	17°10'1.78"N	75°49'30.98"E
869	4800	16.380855	76.201587	16.380539	76.201813	16.380097	76.202083	16.378275	76.203612	16.378077	76.204092
870	3793	16.39454	76.218584	16.394333	76.219096	16.39375	76.221485	16.39375	76.221485	16.392757	76.225087
871	4535	16.210222	76.198109	16.209144	76.198051	16.208337	76.198033	16.197228	76.197687	16.192431	76.196575
872	4912	16.321447°	76.104851°	16.321411°	76.10486°	16.321443°	76.104871°	16.327416°	76.119063°	16.308007°	76.081006°
873	838	17.27861	75.731924	17.278556	75.31956	17.274798	75.732122	44.46041667	75.736883	17.220055	75.73539
874	835	17.276033°	75.727575°	17.276032°	75.727576°	17.27861°	75.728809°	17.277996°	75.728962°	17.212541°	75.737113°
875	3487	17.048153	76.226956	17.048565	76.227916	17.049115	76.22876	17.04913	76.228599	17.048991	76.232332
876	3492	16.882686°	76.4057°	16.883708°	76.405754°	16.884486°	76.406022°	16.884613°	76.406054°	16.90796°	76.417781°
877	4868	17.117809	76.174805	17.116946	76.175097	17.114595	76.175962	17.114711	76.175915	17.109014	76.176666
878	4869	16.800424°	76.366831°	16.800441°	76.366839°	16.800578°	76.366994°	16.806797°	76.4004°	16.806663°	76.400493°