

ANNEXURE-IV

FULL TITLE OF THE PROJECT: Rehabilitation and Up gradation of 2-lane with Paved Shoulders configuration of NH-133E from Bhagalpur to Baljhor Basti (Bihar & Jharkhand state border) In the state of Bihar on EPC mode

FILE NO.: FP/BR/ROAD/54736/2020

DATE OF THE PROPOSAL:9/11/2020

Executive Summary

1.1 General

The Road Construction Department (RCD), National Highway Wing has been entrusted with the assignment of preparation of Feasibility Study and Detailed Project Report of selected stretches/corridors of National Highways/ State Roads (approved "In Principle" for declaration as National Highways) for improvement to two lane with paved shoulder configuration in the State of Bihar.

M/s Chaitanya Project Consultancy Pvt Ltd. in association with Medhaj Techno Concept Pvt Ltd has been selected as consultant to undertake the Detailed Project Report for upgradation of section of project highway connecting Bhagalpur to Hansdiha.

The aforesaid project road lies in the State of Bihar. The state of Bihar is located in the east part of India. Bihar is one of the strongest agricultural states. Around 80 % of the population is employed in the agriculture which is much higher than the national average. It is the largest producer of vegetables and second largest producer of Fruits in India. Food Processing, dairy, sugar, manufacturing and healthcare are some of the fast growing industries in the state. The state of Bihar also enjoys a unique location specific advantage because of its proximity to the vast markets of eastern and northern India, access to ports such as Kolkata and Haldia and to raw material sources and mineral reserves from neighboring states. The state has a large base of cost effective industrial labour, making it an ideal destination for a wide range of industries. The state has planned initiatives for the development of the other sectors such as education and tourism and also provides incentives for information technology and renewable energy.

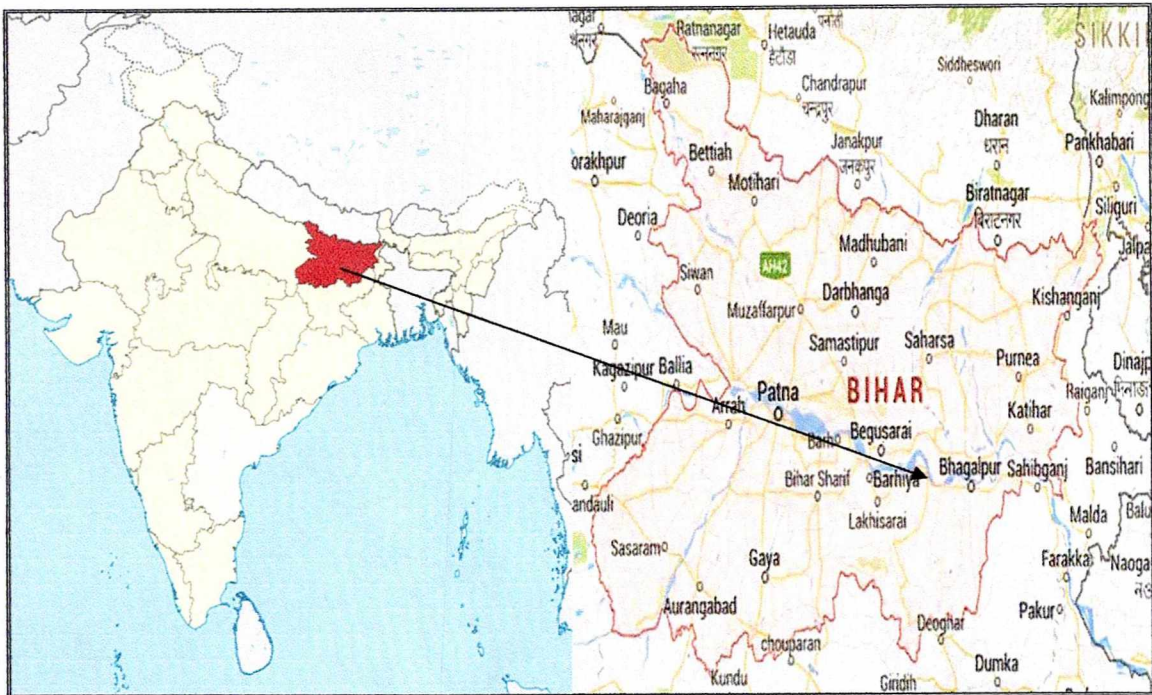
1.2 Existing Alignment

The project road is a part of newly declared NH 133E (old SH-19), starts at the Km 4.000 and ends at Km 63.600 of NH-133E (old SH-19). The project road runs from Bhagalpur to Baljhor (Bihar & Jharkhand border). There is an overlapping length of 2.670 kms of NH-333A from Dhaka Mor to Bheda Mor (Existing Km 38+240 to Km 40+910) which has been excluded from the estimated cost of the project. On the way the project road traverses around the establishments of Bhagalpur, Balua Chak, Purani Bazar, Bhavanipur, Jagdishpur, Katiyama Mor, Razon Bazar, Punsia, Dhaka Mor, Barahaat, Baljhor Basti, etc. The existing carriageway of the road is two lane standard. Around 20% of length of the project section passes through built-up area. The existing ROW in the entire project section varies from 15 to 45 m. The Location of the project road is shown in the Figure-1.

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Figure 1: Location Map



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1.2.1 Land Use

The land along the project road is a combination of cultivated land with some built-up areas and Industrial areas at start and in between. There are cultivated field along the majority of the highway. The land use along the highway is given in the below table.

Table: Land Use Details

Section	Built-up(km)	Forest (km)	Open/Agricultural(km)
Bhagalpur – Dhaka Mor	13	0	25
Dhaka Mor- Baljhor Basti	6	0	19.6

1.2.2 Terrain Classification

The project road alignment traverses through plain terrain for the whole length.

1.2.3 Existing Carriageway and Pavement

The NH 133E (old SH-19), section of project road has a two lane carriageway of 7.0m width with 1.0-2.0m shoulders on each side of the carriageway. The surface of the carriageway is bituminous and the shoulders are unpaved except for the sections lying in the built up area where the CC pavement is provided. The condition of the bituminous and CC pavement is fair to poor with raveling, potholes and patching, very common.

The shoulders are generally in fair to poor condition throughout the project road.

1.2.4 Existing Right of Way

The existing road carriageway is majorly 7m wide which has to be developed to National Highway standards for which minimum of 45m ROW is required. As of now 45 m ROW is not available on the whole project road. The existing ROW varies between 15-45m throughout the road stretch.

1.2.5 Quarry Sources

There is plenty availability of soil and sand along the project road. Aggregate quarries are also available within short distance from project road.

1.2.6 Environmental Issues

There is no wildlife sanctuary or reserved forest/protected forest within the ROW of the project road section of Bhagalpur – Dhaka Mor – Baljhor (Bihar & Jharkhand Border).

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