

Brief Summary of the Proposal

Background

Rajya Pul Nirman Nigam Ltd intend to develop Construction of 2x2 Lane Bridge with footpath across river Ganga between Sultanganj (Bhagalpur District) and Aguwani Ghat (Khagaria District) including navigational span of cable stayed and approaches (Connecting NH31 and NH-80) in the State of Bihar on EPC mode under Special works division Khagaria, Bihar. We hereby submit our proposal for the grant of “Terms of Reference “TOR for the proposed construction.

The proposed project site is located in Khagaria and Bhagalpur district which is surrounded by Saharsa in north, Munger & Begusarai in South, and Madhepura in east and Begusarai & Samastipur in west. The proposed alignment is 3160 m long consisting 2 x 2 lane bridge and 4km and 20km approach road in Sultanganj and Aguwani Ghat Side respectively. The Ganges forms the southern boundary of the district in its entire length.

Land Area: Total Land area to be acquired for the project is – 161.66 ha including 40.6 ha in Bhagalpur district and 121.06 ha in Khagaria District.

Total Built-up area

Major Bridge

Section – 1	145 m × 25.5 m	= 3697.50 m ²
Section – 2	575 m × 25.5 m	= 14662.50 m ²
Section – 3	550 m × 25.5 m	= 14025.00 m ²
Section – 4	0.5 × 73.5 m × (25.5 + 33.5) m	= 2168.25 m ²
	101 m × 33.5 m	= 3383.50 m ²
	0.5 × 73.5 m × (25.5 + 33.5) m	= 2168.25 m ²
	327 m × 25.5 m	= 8338.50 m ²
	412.50 m × 25.50 m	= 10518.75 m ²
Section – 5	902.50 m × 23.0 m	= 20757.50 m ²

Dolphin Observatory

(Extra) (63.5 – 33.5) × 7.0 m = 210 m²

ROB 108 m × 20 m = 2160 m²
0.5 × 90 m × (40 + 25) m = 2925.00 m²

Total Built up Area = 85,014.75 m² or sq.m

Approach Road 26.50 m × 24000 m

Objective: Bridge will improve the connectivity between south and north Bihar and will have a very long lasting impact on the rural economy. The bridge is expected to benefit 164.8 lakh rural people in eight districts like Madhepura, Saharsa, Mujaffarpur, Samastipur, Begusarai, Khagaria, Bhagalpur and Banka. The location has also tourist potential, bridge which will provide a clear view point to see dolphins of River Ganga, which will help in gaining more knowledge and awareness to the National Aquatic creature.

Existing Bridges in the Vicinity of Project


There are four bridges in the vicinity as listed below:

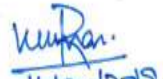
- i. Vikramshila Bridge between Naugachhia & Bhagalpur
- ii. Munger Ganga Bridge
- iii. Rajendra Setu at Mokamah
- iv. Gandhi Setu at Patna

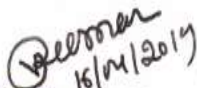
Key features of the proposed project is follows-

Estimated Project Cost- Rs 859 Crore

Water requirement, source:	Construction Phase Water Requirement-13 KLD Source- surface and ground water resources, depending on the availability.
Waste water	10.4 KLD waste water is generated from labor and construction camps, the waste generated is being treated in Septic Tank / Sedimentation Tank before diverting it to soak pit.
Employment potential	during the construction phase about 290 people including engineers and skilled labour.
Power Requirement	105 KW Power will be required and supply will be met through North and South Bihar Power Distribution Company Ltd.


16/04/2019


16/04/2019
(PE)


16/04/2019
Senior Project Engineer
Bihar Rajya Pul Nirman Nigam Ltd
Special Works Div. Khagaria