

Justification for Locating the Project in Forest Land

Project Name - Consultancy Services for Preparation of DPR for Rehabilitation and Upgrading to 4-Lane with paved shoulders configuration of Bilaspur- Katghora Section of NH-111 in the State of Chhattisgarh. Package-II (53+300 to 92+500) Pathrapali to Katgora.

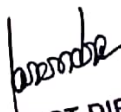
The original Consultancy has been for Rehabilitation & up gradation of 2-laning with paved shoulder configuration of Bilaspur-Ambikapur of NH-111 (New NH-130) under Consultancy Contract Agreement dated 23-02-2010 signed between NHA1 & M/s SA Infrastructure Consultants Pvt. Ltd. The alignment of project road starts at 57+000 km. of NH-200 at Pinridih, Bilaspur and terminates at 218+910 km. of NH-111 with Ambikapur Road.

The project includes Bilaspur - Katghora section of NH-111 (New NH-130) (Package-II) in the state of Chhattisgarh has been taken up. The project corridor forms one of the important arterial highways in the National Highway network of Chhattisgarh. The project road is located in Northern part of Chhattisgarh state. The project road connects two district headquarters of Bilaspur and Ambikapur passing through Bilaspur, Korba and Surguja districts.

The proposed package-II has a total design length of 39.200 Km (Km53+300 to Km 92+500). This submittals contains the Draft Detailed Project Report of Package-II. The Complete Package-II Project Stretch (Bilaspur- Katghora Section) starts from Bilaspur i.e. Existing Chainage 0+000 (Design Ch. 0+000) and terminates at Katghora Bypass i.e. Existing Chainage 82+500 (Design Ch. 93+886). This sub-package is of total length Km 39+200, Starts from Pathrapali (Design Ch 53+300) and terminates near Katghora (Design Ch 92+500).

The total length of the project stretch selected for up-gradation is approx. 39+200 km in the district Korba of State Chattisgarh. There are two Bypass proposed namely Pali bypass (60+300 Km to 64+200 Km) and katghora bypass (starting Chainage (83+150 Km to 92+500 Km). the bypasses proposed to avoid habitation at pali town and katghora town. The proposed Bypasses and widening requires diversion of 83.6421 Ha of forest Land in Katghora forest division. Therefore, the construction of bypasses, widening and realignment of existing road requires forest clearance from Ministry of Environment, forest and climate change (GoI) as per forest conservation act 1980.

The diversion of forest area has been limited to the minimum diversion because mostly existing alignment has been followed that satisfies the National Highway standards. As the project road is not crossing any forest area, only widening of existing road requiring diversion of forest land along the existing road.


PROJECT DIRECTOR
NHA1, PIU, Bilaspur (C.G.)



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भारतमाला

प्रगति के पथ पर जलसज

Rehabilitation and Upgrading to 4- Lane with paved shoulders configuration of Bilaspur-Katghora Section of NH-111 in the State of Chhattisgarh Pkg.-II(Km. 53+300 to Km 92+500)-Pathrapali to Katghora

Alternate Alignment Analysis

There 3 options are taken under consideration to achieve the goals of proposed projects. All options are viable the basic feature's comparison is given below:-

S. no.	Feature	Option 1	Option 2	Option 3
1.	Alignment	Existing widening	Existing widening with bypasses	Existing widening with bypasses
2.	Length	40.7 Km	39.2 Km	41.85 Km
3.	Speed	40 Kmph	100 Kmph	100 Kmph
4.	Alignment Geometry	Poor	As per IRC Standard	As per IRC Standard
5.	Habitation	Pali, Chaitma, Katghora majorly habitated	Pali, Katghora bypass proposed,	Pali, Katghora bypass proposed
6.	Length of Bypasses and realignment	2 Km realignment	15 Km Bypasses & Realignment	18 Km Bypasses & Realignment
7.	Affected Forest Land	55.57 Ha (approx. 16 Km length) of Protected and Orange Forest, With habitation Total 87.435 Ha	57.038 Ha (approx. 16 Km length) of Protected and Orange Forest Total 83.6421 Ha	61.48 Ha (approx. 19 Km length) of Protected and Orange Forest Total 88.531 Ha
		Not recommended	Recommended	Not recommended

The Option 2 is recommended with Minimum length(39.2 Km) with good geometrical properties as per NH standards and least forest area (protected and Orange Forest) to be affected is 57.038 ha.

The forest land involve in option 2 is unavoidable and necessary to achieve the goals of proposed project.

Date: 24.04.2019

Place: Bilaspur

(Signature & Seal of Authorised Signatory)
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