



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority Of India

(Ministry of Road Transport and Highways, Govt. of India)

कार्यालय परियोजना निदेशक, परियोजना कार्यान्वयन ईकाई, बिलासपुर

Office of Project Director, Project Implementation Unit, Bilaspur

डी-61, एच आई जी - 1, अभिलाषा परिसर, नया बस स्टैंड के पीछे तिफरा, बिलासपुर (छ.ग.)

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भारतमाला

प्रगति से पथ पर अग्रसर

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	54.549 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 54.549 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)
PROJECT DIRECTOR
NHAI, PIU, Bilaspur (C.G.)