

प्रपत्र:- 09

परियोजना का नाम: Construction of 4-laning of Kotdwar bypass of NH-119 connecting Najibabad-Kotdwar to Kotdwar-Pauri road in the state of Uttar Pradesh and Uttrakhand under Bharatmala Pariyojana Lot-4/Pakage-2.

वैकल्पिक संरेखणों को निरस्त किये जाने का प्रमाण पत्र

यह प्रमाणित किया जाता है कि प्रस्तावित परियोजना Improvement and up-gradation of Construction of 4-laning of Kotdwar bypass of NH-119 connecting Najibabad-Kotdwar to Kotdwar-Pauri road in the state of Uttar Pradesh and Uttrakhand under Bharatmala Pariyojana Lot-4/Pakage-2. हेतु विभिन्न उपलब्ध विकल्पों पर विचार किया गया व वर्तमान विकल्प को सर्वदा उपयुक्त पाया गया है।

हस्ताक्षर
Project Director
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प्रयोक्ता एजेंसी

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हस्ताक्षर वनाधिकारी
लैन्सडौन वन प्रभाग
कोटद्वार (गढ़वाल)

प्रभागीय वनाधिकारी

वन अधिकारी
कोटद्वार राजि, कोटद्वार
लैन्सडौन वन प्रभाग कोटद्वार

उप-प्रभागीय वनाधिकारी
(कोटद्वार)
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प्रपत्र:-9

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Comparison between identified alignments

S. No.	Variables	Alignment No-1 (Recommended)	Alignment No-2	Alignment No-3
1.	Topography	Hilly Terrain	Hilly Terrain	Hilly Terrain
2.	Length of Road	5.952 Km	5.618 Km	7.437
3.	Bridging requirement No. and Length	02 Nos 1000 m	02 Nos 1050 m	02 Nos 1200 m
4.	Geometric	Good	Poor	Poor
	(a) Gradients	2.5	3	3
	(b) Curves, H.P Bends	2, Nil	2, Nil	8, Nil
5.	Existing Means of communication, mule path, jeep, Tracks etc.	Nil, Green Field	Alignment passing through shooting range ground	Forest Road
6.	Right of way, bringing out. Construction on account of built up areas, monuments and other structures.	30 m	30 m	30 m
7.	(a) Terrain & Soil Condition.	Hilly and Rolling Terrain, Gravels	Hilly and Rolling Terrain, Gravels	Hilly and Rolling Terrain, Gravels
8.	Climate Condition:			
	(a) Temperature Monthly max. & min. reading.	(a) Max. 37.44 Min. 16.00	(a) Max. 37.44 Min. 16.00	(a) Max. 37.44 Min. 16.00
	(b) Rainfall data average annual peak intensities monthly distribution (to the extent available)	(b) 1263 mm	(b) 1263 mm	(b) 1263 mm
	(c) Snowfall data average annual peak intensities monthly distribution (to the extent available)	(c) Nil	(c) Nil	(c) Nil
	(d) Wind direction and velocities.			
	(e) Fog Condition.			

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	(f) Exposure to sun. (g) Unusual weather condition like cloud burst etc.	(d) South West, 1.8 m/s (e) Usually in winter (f) Yes (g) No	(d) South West, 1.8 m/s (e) Usually in winter (f) Yes (g) No	(d) South West, 1.8 m/s (e) Usually in winter (f) Yes (g) No
9.	Facilities resources. (a) Landing ground. (b) Dropping Zone. (c) Food stuffs. (d) Labour local availability and need for import. (e) Construction material (Timber, Bamboo, Sand, Stone, Shingle etc. extent of their availability and lead involved.	(a) Nil (b) Yes (c) Yes (d) Yes (e) Yes, Locally available	(a) Nil (b) Yes (c) Yes (d) Yes (e) Yes, Locally available	(a) Nil (b) Yes (c) Yes (d) Yes (e) Yes, Locally available
10.	Value of land, agricultural land, Irrigated land, built-up land, forest land etc.	Agricultural land, Irrigated land, built up land, forest land etc.,	Agricultural land, Irrigated land, built up land, forest land etc.	Agricultural land, Irrigated land, built up land, forest land etc.
11.	Approximate Const. Cost.	548.33 Cr	554.04 Cr	572.89 Cr
12.	Access point indicating possibility of induction of equipment.	Yes	Yes	Yes
13.	Period required for construction.	24 Months	24 Months	24 Months
14.	Strategic Consideration.	Yes	Yes	Yes
15.	Important villages, towns and markets centers to be connected.	The project highway is Bypass of Kotdwar town and enhance the connectivity between Najibabad and Pauri Towns	The project highway is Bypass of Kotdwar town and enhance the connectivity between Najibabad and Pauri Towns	The project highway is Bypass of Kotdwar town and enhance the connectivity between Najibabad and Pauri Towns
16.	Recreational potential.	Yes	Yes	Yes
17.	Economic Factors: (a) Population served by the alignment. (b) Agricultures and economic potential of the area.	1, 50,000 (b) Yes	1, 50,000 (b) Yes	1, 50,000 (b) Yes



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18.	Other major development projects being taken up electric projects etc.	-	-	-
19.	(i) Misc. Such as camping sites (ii) Law and other problem (iii) Royalty (iv) Availability of contractors for collection and carriage of construction material (v) Working period available for construction of work.	(i) Yes (ii) No (iii) No (iv) Yes (v) 24 Months	(i) Yes (ii) No (iii) No (iv) Yes (v) 24 Months	(i) Yes (ii) No (iii) No (iv) Yes (v) 24 Months
20.	Total No. of trees to be removed	2000	2000	4000
21.	Average Density of forest cover	0.4	0.4	0.6
22.	Total No. of Merits	5	4	2
23.	Total No. of Demerits	1	2	4

RECOMMENDATIONS:

Option I is more appropriate, technically feasible which will provide hassle free connectivity and minimum impact on environment and social components. Option I is more superior in comparison of option-II and option-III



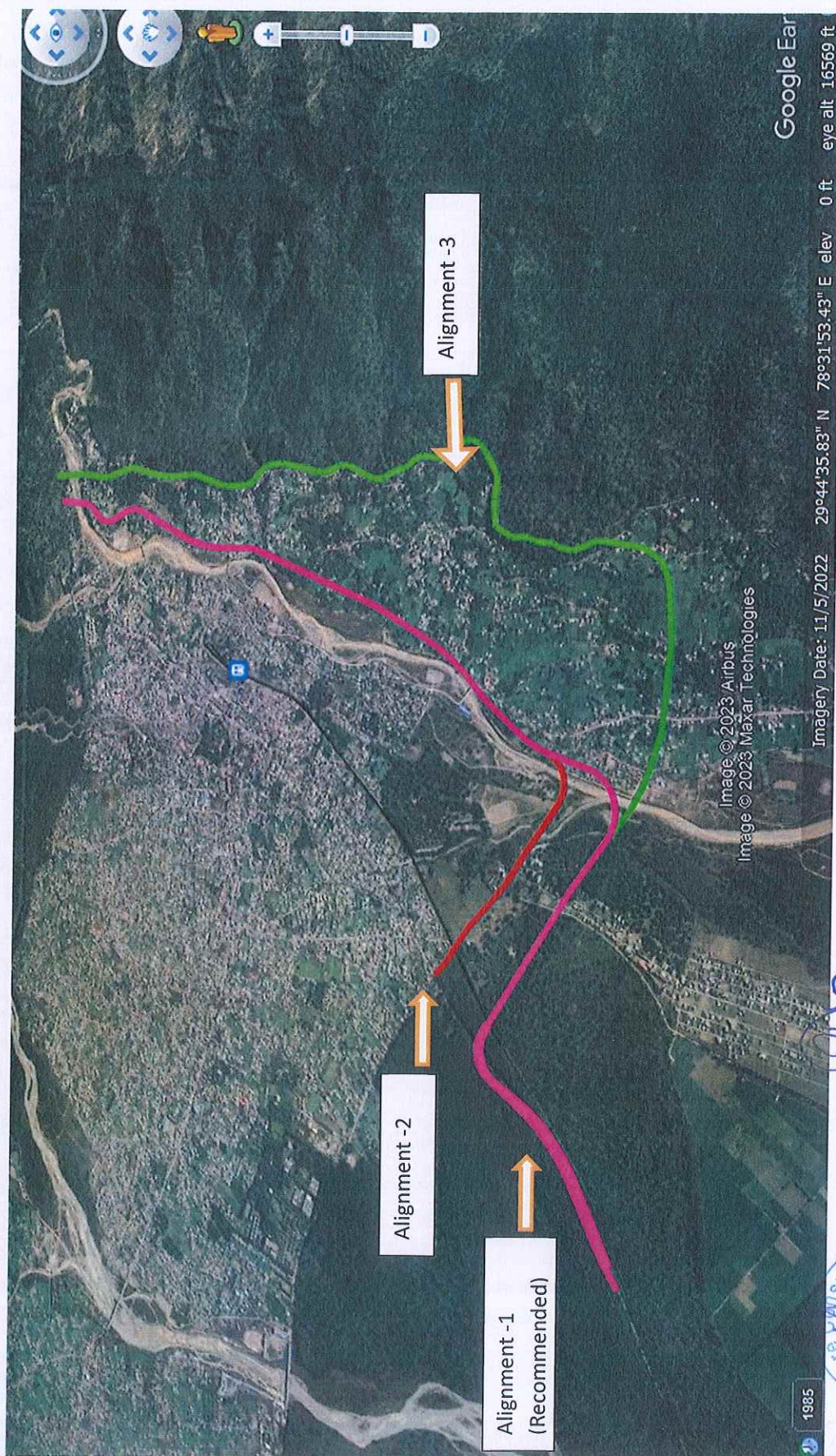
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Alignments Options Marked on Google Earth



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