

CONSULTANCY SERVICES FOR PREPARATION OF DETAILED PROJECT REPORT FOR DEVELOPMENT OF 4/6 LANE GREENFIELD HIGHWAY START FROM JALBHERA (KM 0+000) TO SHAHBAD (22+850) IN THE STATE OF HARYANA UNDER BHARATMALA PARIYOJANA (LOT-6/PACKAGE-6) TOTAL LENGTH 22.850 KM

Details of Alternative Alignments Studies for the Proposed Project Highway

Salient Features of Alignment Options				
S. No.	Parameters/Description	Option- 1 (Green)	Option- 2 (Blue)	Option- 3 (Magenta)
1	Length (km)	28.150	22.850	26.5
2	Proposed ROW (m)	45/60	45/60	45/60
3	Total land required (ha)	103	168	153
4	ROBs/DFCCIL	1	1	1
5	Flyover/ Elevated Viaduct	1	1	1
6	VUP/LVUP/SVUP	17(5/6/6)	16 (1/5/11)	15 (1/3/11)
7	Interchange	3	2	2
8	Major Bridges	1	1	7
9	Minor Bridges	3	1	2

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Salient Features of Alignment Options				
S. No.	Parameters/Description	Option- 1 (Green)	Option- 2 (Blue)	Option- 3 (Magenta)
10	Transmission Line Crossing	9	5	7
11	No of Horizontal Curve	14	7	10
12	Building Structures	Number of Buildings/Structures on alignment-35	Number of Buildings/Structures on alignment-11	Number of Buildings/Structures on alignment-15
13	Civil Cost (Cr)	637 Cr.	498 Cr.	792 Cr.
14	Utility Shifting	25 Cr.	20 Cr.	30 Cr.
15	LA +R&R Cost (Cr)	Haryana= 356Cr. (28.150 Km)	Haryana= 275 Cr. (22.850 Km)	Haryana= 293Cr. (26.5 Km)
16	Total Cost (cr.)	1018Cr.	871 Cr.	1115 Cr
18	Merits	Total length is less than option-II and III. Total Capital cost is also Less.	1) The travel time from Ismailabad towards Saha/Kalka will be minimum as the project is access Controlled Road 2) Very few R&R work be	-

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Salient Features of Alignment Options				
S. No.	Parameters/Description	Option- 1 (Green)	Option- 2 (Blue)	Option- 3 (Magenta)
			required Length is Higher than option-1	
19	Demerits	<ol style="list-style-type: none"> 1) The cost of alignment option is almost equal to option II 2) The travel time from Ismailabad towards Saha/Kalka will be Maximum as compared to alignment Option II 3) R&R work will be involved in the project. 	Length is Higher than Option-I	<p>Length is higher than other options. Major structure is Higher than the Other Option.</p> <p>Total project cost is highest among other option.</p>
20	Recommended Options	Not Recommended	Option-II Recommended	Not Recommended

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Alignments Marked on Toposheets of Survey of India Alignments Marked on Google Earth



Consultancy services for preparation of Detailed Project Report for development of Corridor, Inter Corridor and Feeder Routes to improve the efficiency of freight movement in India under Bharatmala Pariyojana (Packag6/lot-6) Shahabad - Thol project road in the state of Haryana to Four lane

Scoring Criteria	Total Weightage	Option-1	Option-2	Option-3	Remark
		Score	Score	Score	
Natural Environment	80	18	13	18	
Biological Environment	80	6	6	6	
Physical Environment	50	-	-	0	
Social Environment	60	30	27	23	
Engineering	130	72	57	69	
Total	400	126	103	116	
			Recommended		
Score out of 360	Score Limit (%)	Impact Category			
Less than 120	<30	Low			
120 to 200	30 – 50	Medium			
200 to 320	50-80	High			
More than 320	>80	Very High			