

Justification of locating the project in Forest Area

The proposed alignment of Expressway has been chosen out of many alternatives studied by the experts based on various parameters. Hence the project location is site specific, and it is justified to locate the project on forest land where ever it is barely essential.

Wherever possible non forest land has been used but, in view of above reason, the patch of Expressway passing through forest cannot be located on non-forest land and, as such, the proposed diversion of 383.8535 ha is justified.

The evaluation matrix of three alignments is presented in following Section:

Map of the Alternative Alignment Options

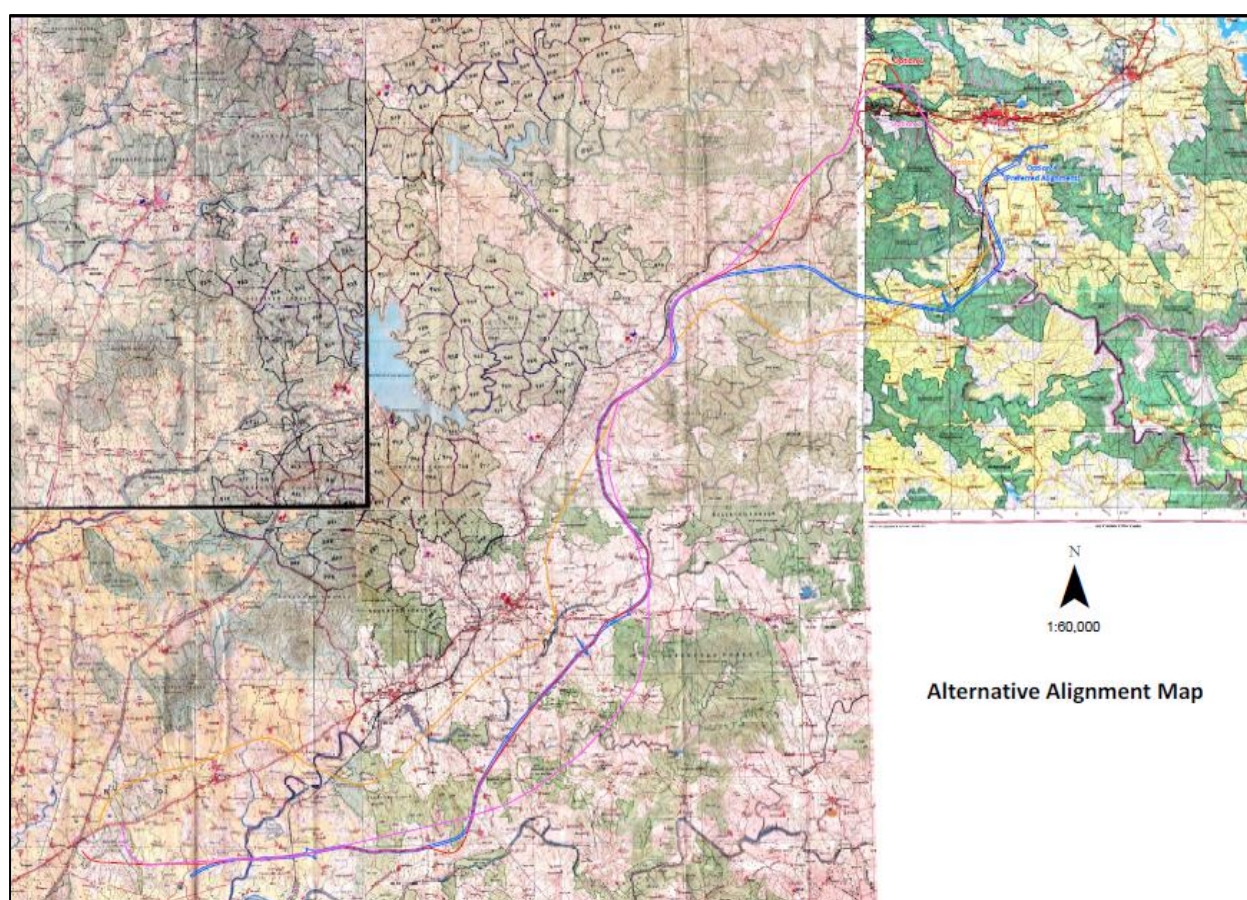


Table: Evaluation Matrix of Alternative alignment options

Sr. No.	Parameters	Weights	Opt1	Score	Opt2	Score	Opt3	Score	Opt4	Score
1	Road Length (km)	100	80.20	92.27	76.40	96.86	74.00	100.00	78.00	94.87
2	Interchanges (nos.)	100	6.00	83.33	6.00	83.33	5.00	100.00	5.00	100.00
3	ROB (nos.)	100	2.00	50.00	3.00	33.33	1.00	100.00	1.00	100.00
4	Major Bridge (nos.)	100	2.00	50.00	3.00	33.33	3.00	33.33	0.00	100.00
5	Forest Land (Ha.)	100	175.58	100.00	317.38	55.32	264.76	66.32	383.8535	45.74
6	Agricultural Land (Ha.)	100	597.02	67.54	487.48	82.72	403.23	100.00	417.6829	96.54
7	Barren Land (Ha.)	100	208.78	83.06	167.36	66.58	251.36	100.00	105.9880	42.17
8	Affected Residential/Commercial Structures (nos.)	100	108	7.41	112	7.14	148	5.41	8	100.00
9	Eco-Sensitivity	100	1.00	100.00	1.00	99.62	2.00	96.80	2.00	90.40
10	Mitigation Structures (Wildlife/Forest) (km)	100	7.02	33.51	6.43	30.69	16.50	78.76	20.95	100.00
11	Tunnel (km)	100	1.60	62.50	1.00	100.00	6.50	15.38	10.48	9.54
12	Viaduct (km)	100	5.42	100.00	5.43	99.82	10.00	54.20	10.47	51.79
13	Total Construction Cost (Cr.)	100	4200.06	95.16	3996.90	100.00	5562.94	71.85	9642.66	41.45
Total Score		1300		924.78		888.75		922.05		972.50



**Executive Engineer
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