


Justification for locating the project in the forest land

Study of Three Alternative Route of 765 KV D/C Orai-Aligarh Transmission Line

The following is the salient features of the three alternatives route . The Route - I is recommended due to less involvement of Forest stretch and better for project execution:

Comparative statement				
Sl. No.	Description of Items	Alternative Route-I (Final Route)	Alternative Route-II	Alternative Route-III
1	Bee Line Length	89.445Km	89.445Km	89.445Km
2	Route Length	95.225 Km	101.235 Km	106.564 Km
3	Number of Angle Points	75No.	82 NoS.	89 No.
4	Forest (PF)	1.6677 hect.	1.7284 hect.	1.9856 hect.
5	Hilly Terrain	NIL	NIL	NIL
6	Power Line Crossing	09 Nos.	12 Nos.	14 Nos.
7	Railway Line Crossing	02 Nos.	02 Nos.	02 Nos.
8	Canal Crossing	02 Nos.	02 Nos.	02 Nos.
9	National Highway	01 No.	01 No.	01 No.
10	State Highway	02 Nos.	02 Nos.	02 Nos.
11	Transportation & Maintenance	Good Accessibility	Medium Accessibility	Good Accessibility
12	Recommendation	This alternative route having shortest route length than Alt-2 &3, less angle points, less forest stretch and well connected by road network which makes conveyance for construction & maintenance of line. Hence this route is feasible & economical and is being recommended for approval.	This alternative route is longer than Alt-1. Considerable high Angle points and more forest area. Also route is away from approaches roads causes difficulties during construction & maintenance of line.	This alternative route is uneconomical & unfeasible due to more power line crossing, max. hilly terrain, more forest stretches.


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