

Justification for locating the project

Full Title of the Project: Diversion of 13.015 Ha of Forest area in Jhunjhunu Forest Division for laying of 400kV D/C Babai (RRVPNL) – Bhiwani (PG) Transmission line by NRSS XXXVI Transmission Limited.


The Babai (RRVPNL) – Bhiwani (PGCIL) 400 kV D/C Transmission Line starting from RRVPNL Switchyard located at Babai, Rajasthan and terminating at 400Kv Bhiwani Switchyard, passing through district of Haryana (Mahendragarh and Bhiwani) and Rajasthan (Jhunjhunu). The route of the above line is passing through the strip plantation along 7 forest patch in Rajasthan which are considered as Protected forest (PF), having forest area of 13.015Ha. The chosen route is optimal route with minimum forest area involved in the project along with best construction and maintenance facility and cost efficient.

A detail comparison of all the three alternative marked on the Survey of India Toposheet with different colour is as below:

Comparative Statement for 3 Alternative Routes				
Sr. No.	Description	Alt-I(Proposed)	Alt-II	Alt-III
1	Bee line length	103.847	103.487	103.487
2	Line Length	111.461	120.730	118.494
	Length in Rajasthan	55.781	50.747	67.839
3	Angle Points	91 Nos.	118Nos.	132 nos.
4	Total Forest Area (Ha)	16.474	35.45	39.42
	Forest area in Rajasthan (Ha)	13.015	31.93	35.75
5	Wild Life Sanctuary or Conservation Reserve (Ha)	7.452	31.93	28.00
6	Establishment and villages	No	No	No

Referring to the above comparative statement for alternative routes, all the three routes are positioned on either side of BEE line. After initial inspection over survey of India maps and satellite image, all three routes were explored for best and optimal route. Special attention has been given to forest, power line crossings, Road crossings and Railway crossings, route length and habitation. After detail analysis Route 1 has been observed as most viable.

Line survey has been done with goal to reduce the forest area but could not be avoided completely hence total of 13.015 Ha of forest area is coming under the route in Jhunjhunu Division of Rajasthan.

Authorised Signatory

For, NRSS XXXVI Transmission Ltd.
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Head Environment Forest & Wildlife