

**Name of Project: 765 KV D/C (Hexa) Warora – Parli Transmission Line**

**JUSTIFICATION**

**Selection of Route by minimizing the forest area involvement**

During selection of route for 765 KV D/C Warora - Parli transmission lines , main aim to align the route through non-forest land and where it is not possible; the line passes through minimum forest land. Initially three alternate routes were explored with respect to BEE line. The route selection was done by marking the route on topo sheet and walkover survey. An exhaustive exercise was done to select the route with bare minimum forest land.

The length of BEE line connecting both the sub-station at Warora & Parli is 330 Km. While the route length of alternative I, II & III are approximately 347, 354 and 353 Km. respectively. The comparative statement showing forest land involved all the three alternative routes and BEE line is given below.

Sr. No.	Alternative route No.	Route length in Km.	Route length in Forest area in Km.	Forest land involved in Ha.	Remarks
1.	Route - I	347	4.156	27.846	Minimum forest land involved
2.	Route - II	354	9.778	65.512	Max. Forest involved
3.	Route - III	353	10.828	72.547	Max. Forest involved

Considering the above furnished data for three alternative routes it is evident that Alternative – I is the shortest route of all and it involves bare minimum forest land. Hence Alternative – I is selected as the preferred route and involvement of forest could not be avoided due to other constraint.

Place:

Date:

  
Project Authority

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