

**Full Title of the Project:** Diversion of 45.0032 Ha of Forest area in Asifabad, Bellampally and Peddapalli Forest Division for laying of 765kV D/C Warora Pool - Warangal (New) Transmission line by Warora – Kurnool Transmission Limited.

**Justification for locating the project**

The Warora Pool – Warangal (New) 765kV D/C Transmission Line starting from Warora Substation of PGCIL, Maharashtra and terminating at 765/400KV Warangal (New) Switchyard, passing through district of Maharashtra and Telangana (Asifabad, Bellampally, Pedapally, Warangal Urban). The route of the above line is passing through the Reserve forest patch along the State boundary of Telangana and Maharashtra and patches of reserve forest in Asifabad, Bellampally and Peddapally, having forest area of 45.1009Ha. 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:

<b><u>Comparative Statement for 3 Alternative Routes</u></b>				
<b>Sr. No.</b>	<b>Description</b>	<b>Alt-I(Proposed)</b>	<b>Alt-II</b>	<b>Alt-III</b>
1	Bee line length	291.987 Km	291.987 Km	291.987 Km
2	Line Length	324.368 Km	326.007 Km	331.458 Km
	Length in Telangana	219.958 Km	218.458 Km	221.912 Km
3	Angle Towers	131 Nos.	138 Nos.	156 Nos.
4	Total Forest in route	9.671 Km	26.438 Km	15.307 Km
	Forest area in Telangana	6.731 Km	22.243 Km	14.639 Km
5	Wild Life Sanctuary or its Buffer Zone	3.1142Ha in Tiger Corridor	12.62 Ha in Tiger Corridor	16.33 Ha in Tiger Corridor

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 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 as there is forest patch all along the Telangana state, hence had to pass through the reserve forest which is the minimum area and which could not have been avoided.

