

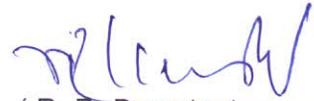
Justification for location the project in the forest area

This project is a part of National Grid and for interconnecting Chhattisgarh and Orissa State with Western Regional Grid under "Common Transmission System Associated with East Coast and NCC Power Projects in Srikakulam Area-Part A," the project is mandatory to pass from the Raigarh, Korba and Dharamjaygarh Forest Divisions of Chhattisgarh State, As the line passes through several thickly populated areas, dense hilly forest having significant undulation, steep slope, JPL TRN and close vicinity of **SECL and NTPC coal block area**. However the three alternatives of line routes have been explored and accordingly minimum forest area involvement route is recommended for approvals. The details of forest area shall be affected are mentioned below:-

S/N	Description	Alternative I	Alternative II	Alternative III
01	Total Line Length	104.146	109.90	156.100
02	Forest land Required	153.4481Hect.	231.786 Hect.	212.591 Hect.
03	Length of line in Forest	23.380 Kms	34.595 Kms	31.730 Kms
04	Density of forest	Less	Medium	High
05	Terrain	Plain and Hilly	Plain and Hilly	Plain and Hilly
06	Railway Crossing	03	01	01
07	River Crossing	03	02	02
08	Power line Crossing	04	02	02
09	Approach /Accessibility	Moderate	Good	Moderate

The Alternative - I is proposed for approvals due to following reasons:-

- The minimum forest area is involved as compared to alternative II & III.
- Less dense forest area is involved as compared to alternative II & III
- Less number of trees is affected as compared to alternative II & III.



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