

Justification for locating the project in forest land.

This proposal is formulated to supply Power from Rengali Tarkera to Deogarh Township and adjoining areas in Deogarh District over a distance of 12.378 kms. This line is a 220 KV DC LILO Line i.e. proposed 220/33KV Grid Sub-station at Sunamunda. Deogarh have 2 nos of sources i.e. from 220/ 132/33 KV grid Sub-station at Rengali as well as 220/132/33 KV Grid Sub-station at Tarkera.

During the walk-over Survey of the route, all possible alternatives have been explored to reduce the area of forest land, avoiding thick populated village areas, dense vegetation, Reserve Forest and found Rout No-3 is involvement of least forest land covering an area of 21.159 ha comparing to the other routes. Unlike roads, EHT Transmission line can not take frequent turn because of limitation of maximum 60⁰ turn and other technical constraints. The 220 KV transmission line project will supply stable, un-interrupted power supply, improve voltage profile and quality power to Deogarh Township and its adjoining areas, which will result in energy efficiency and better distribution of electrical energy at the door step of the consumers.

Detailed alternate alignment Rout Survey is given below:

Route No.1 – Total Length of transmission line is 13.20 Km and there are 25 nos of Angle points. The total forest land is involve 22.82 ha out of which 0.62 ha of Reserve Forests.

Route No.2– Total length of Transmission line is 12.5 Km and there are 16 nos of angle points. The total forest land is involve 26.01 ha out of which 4.38 ha of Reserve Forest.

Route No.3– Total length of Transmission line is 12.378 Km and there are 22 nos of angle points. The total forest land is involve 21.195 ha and no reserve forest is involved in this route.

After extensive exercise, three alternative routes (Route-1, Route- 2 & Route-3) are analysis for proposed construction, out of above three routes Route- No3 has been finalized. NO alternative suitable non-forest land is available for this project and this may be treated as barest minimum requirement of forest land.



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