


## NAGAPATTINAM MADHUGIRI TRANSMISSION LTD

### TRANSMISSION LINE PROJECT vis-à-vis ENVIRONMENT IMPACT on TRANSMISSION LINE PROJECTS.

**Name of Project : Dharmapuri-Madhugiri 765kV S/C Transmission Line.**

#### **Our Policy:**

- Transmission line projects are environmentally clean and do not involve any disposal of solid waste, effluents and hazardous substances in land, air and water rather it helps in reducing impacts of power (generation) projects because it:
  - ✓ reduces pollution levels in inhabited areas due to siting of generation projects far away from these areas
  - ✓ reduces transportation of coal due to location of pit head generation further reduces pollution
- We, as a responsible organization is utilizing all available technological resources (GIS & GPS etc.) to optimize route alignment with emphasis on avoidance of forest, National Parks, Wildlife Sanctuary and other ecological sensitive areas even to the extent of adopting more circuitous routes and setting up of state of the art substations en route. However, in few cases use of forest area becomes unavoidable due to site specificities of a project and the overall topography of the area.
- We, while finalizing the route of transmission line follows the policy of Avoidance, Minimization and Mitigation with following parameters:
  - ✓ As a rule, alignments are generally cited 10-15 km away from major towns, whenever possible, to account for future urban expansion.
  - ✓ Similarly, forests are avoided to the extent possible, and when it is not possible, a route is selected in consultation with the local Divisional Forest Officer, that causes minimum damage to existing forest resources.
  - ✓ Alignments are selected to avoid wetlands and unstable areas for both financial and environmental reasons.
  - ✓ In addition, care is also taken to avoid National parks and sanctuaries and any other forest area rich in wild life.
- It is always not possible to avoid such areas completely and if any forest area is getting involved application in required format for obtaining forest clearance is submitted to the concerned Nodal Officer/DFO for processing the forest clearance within 2-3 months of detailed survey and start of the work so as to ensure forest clearance by the time we reach to the forest area.

  
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## Nagapattinam Madhugiri Transmission Ltd (NMTL)

The NMTCL (fully owned subsidiary of Power Grid Corporation of India Ltd,) is entrusted with the task of construction of following transmission lines.

1. Nagapattinam - Dharmapuri(Salem) 765kV D/C line:
2. Dharmapuri (Salem) - Madhugiri 765kV S/C line.

The lines constitute the transmission system associated with IPPs of Nagapattinam/Cuddalore area.

### Justification of Transmission line routes identified for execution.

Alternative feasible routes were studied based on preliminary /walkover survey and keeping in view the length of the line, no. of angle points, power line crossing, statutory clearances from air ports, reserved forests, National / State Highways, Rivers, Railway crossing, Villages, Towns, Scattered habitat, Parallelism to the existing power lines etc.

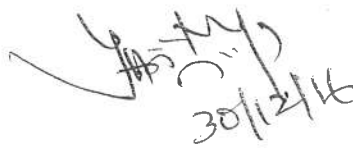
Upon detailed study, the proposed route is found to be the generally feasible with minimal infringement with the existing permanent features and least inconvenience to the habitat at large. The proposed transmission line does not traverse wholly or partly, in any cantonment, aerodrome, fortress, arsenal, dockyard or camp or any of the buildings or place in occupation of the Government for Defence purposes.

Further, the selection of the route alignment is as per the transmission line practices and as per Indian Standards.

#### **A. Dharmapuri(Salem)-Madhugiri 765kV S/C line:**

The transmission line emanates from Dharmapuri (Salem), Tamilnadu State, pooling station and traverses through the South of Bangalore City to reach terminal station at Madhugiri in Karnataka State. The line passes through the Districts of Dharmapuri, Krishnagiri (both in Tamilnadu State), Ramanagara and Tumkur (both in Karnataka State).

The Bee line length comes to 183km and the choosen line route length comes 216km. The route has been routed away from the important habitats enroute like Dharmapuri, Palakkode, Hosur, Bangalore and Tumkur. Every effort has been taken to avoid Reserve Forest involvement, however there are few un avoidable involvement of Reserve Forest areas and the crossings are effected at minimum width. The Bannerghata National park in Karnataka, coming enroute has been completely avoided.



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