

Detail Note on Project

(Diversion of Forest Land of **20.8080Hac.** for forest clearance for Erection of 66KV Tower line from exist 66kV Uchchhal substation to Proposed Kukarmunda Pumping station. – Proposal No :FP/GJ/TRANS/148707/2021 DATE : 23.10.2021 .)

PROJECT NOTE FOR JUSTIFICATION FOR AREA SELECTION

In consideration of the requirements of environment parameter, construction methodologies to be adopted for different terrain encountered en-route, design & engineering factor, availability of logistic support during construction, operation & maintenance of line, various feasible route were identified by M/s. Gujarat Energy Transmission Corporation Ltd. based on system study, desk review, topographic –map, Forest map, existing publication materials, walkover survey augmented by GPS. During route alignment all possible efforts are made to avoid the forest area involvement completely or to keep it to the barest minimum. Moreover, in Protected / Reserved forest area trees are felled only in below each conductor to facilitate stringing. On completion of construction only one such strips is maintained for O & M purpose.

Name of Project: Erection of 66KV tower line from exist 66kV Uchchhal substation to Proposed Kukarmunda Pumping station
Proposed Forest Area – 20.8080Hector

Factors considered

- i) The route of the proposed transmission line does not infringe any human habitation.
- ii) Any monument of cultural or historical importance is not affected by the route of the transmission line.
- iii) The proposed route of transmission line does not create any threat to the survival of any community with special reference to Tribal Community.
- iv) The proposed route of transmission line does not affect any public utility services like playgrounds, schools, other establishments etc.
- v) The line route does not pass through any sanctuaries, National Park etc.
- vi) The line route does not infringe with area of natural resources.

Sensitive areas and settlements at execution stage

- 1 As a rule, alignments are generally kept 10-15 kM away from major towns, whenever possible, making a provision for future urban expansion.
- 2 Similarly, forests are avoided to the extent possible, and when it is unavoidable, a route is selected in consultation with the local Divisional Forest Officer, that causes minimum damage to existing forest resources.
- 3 Selected Alignments do not infringe wetlands and unstable areas for both financial and environmental reasons. Additional care has to be taken to avoid National parks and sanctuaries and any other forest area inhabited by wild life.

Keeping above factors in mind three alternative routes are proposed. As such, different alternatives were studied with the help of Govt. published data like Forest atlas, Survey of India topo maps, satellite imageries etc. to arrive at most optimum route which can be taken up for detailed survey and assessment of environmental and social impacts for their proper management.



The details of final approved route

Sr no.	Description	Final Route
1	Line length	58.284 km (66kV Uchchhal Substation to proposed Kukarmunda pumping station)
2	Class of Forest (R.F. / P.F.)	P.F.: - Nil R.F.: - 20.8080 Hectors
3	Transportation & Maintenance	100 %
4	Hilly Terrain Area	Partially Hilly
5	Power line Crossing	12 Nos Exi.66kv Uchchhal-Naranpura DP Line Exi.66kv Naranpura-Rumkitalav Line Exi.66kv Rumkitalav-Kukarmunda Line
6	Railway Line Crossing	Nil
7	Minor River Crossing	4 Nos Rangvali, Rayangan, Nesu, Tapi
8	Plain Terrain	70 %
9	Undulated Land	NIL
10	Creek Area	NIL
11	Marshy Area	NIL
12	Special Tower (FDN)	NIL
13	Population	Avoided
14	Major Cities	Avoided
15	Densely Populated Area	NIL
16	Air Port	NIL
17	Sanctuary Area	NIL
18	Defense Area (Military Areas)	NIL
19	Major Road Crossing	3 Nos SH80 Songadh – Velda ...3 times cross
20	Major Canal crossing	NIL

The final route selected & approved by GETCO is ideal, feasible & shortest.

For Gujarat Energy Transmission Corp. Ltd.




P.N. PATEL
Executive Engineer (Const.)
GETCO, Navsari

Place : Navsari
Date :06.01.2022

**JUSTIFICATION FOR LOCATING THE PROJECT IN FOREST
AREA TO BE SUBMITTED BY USER AGENCY AND
COUNTERSIGNED BY DCF**

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Proposed Forest Area – 20.8080Hector

For Gujarat Energy Transmission Corp. Ltd.




P.N.PATEL
Executive Engineer (Const.)
GETCO, Navsari

Place : Navsari
Date :06.01.2022

Certificate of User Agency and DCF regarding Court case.

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It hereby certifies that no court case is pending regarding propose diversion of **20.8080Hac.** Forest land in favor of Gujarat Energy Transmission Corporation Limited for installation of Erection of 66KV UCHCHHAL - KUKARMUNDA Line on Tower in various villages of Tapi district from existing 66kV Uchchhal substation to proposed Kukarmunda Pumping station.

For Gujarat Energy Transmission Corp. Ltd.



P.N.PATEL
Executive Engineer (Const.)
GETCO, Navsari

Place : Navsari
Date :06.01.2022