

PROPOSAL UNDER FOREST CONSERVATION ACT FOR
CONSTRUCTION OF DIVERSION PORTION OF 400 KV
DOUBLE CIRCUIT TALCHER-MERAMUNDALI TRANSMISSION LINE.
ANGUL FOREST DIVISION.

FORM FOR SEEKING PRIOR APPROVAL UNDER SECTION -2 OF THE FOREST (CONSERVATION) ACT 1980.

PART-I

1.0 Project details: -	<p>Power Grid Corporation of India Limited (POWERGRID), the central transmission utility (CTU) of the country under Ministry of Power is one amongst the largest Power transmission utilities in the world. POWERGRID is playing a vital role in the growth of Indian Power sector by developing a robust integrated grid associated in the flagship programme of Govt. Of India to provide power to all. Presently the company owns and operate more than 1.5 lakh circuit kilometres of transmission lines in various EHV level like 800/765KV, 400 KV etc. and 239 Sub-Stations. This gigantic transmission network spread over length and breadth of the country is consistently maintained at line availability over 99 % by effective operation and management of Regional and National grid.</p> <p>Govt of India, Ministry of Railway sanctioned construction of Talcher-Bimlagarh Railway line by East Coast Railway, Bhubaneswar. Based on approval, East Coast Railway has proposed for diversion of existing 400 KV Double Circuit (D/C) Talcher -Meramundali transmission line from Loc No- 29 to 32 for proper crossing of Railway line.</p> <p>Total length of the above transmission line due to above diversion is 1.624 KM. The line is passing through the Angul Forest Division in the state of Odisha. The route starts from existing 400 KV D/C Talcher-Meramundali Transmission line from loc No 29 (N 21° 05'34.800", E85° 07'38.064") to Loc No 32 (N21° 05'20.040", E85° 08'14.964) at village Kulei, Ratanpur and Bethiabhuin in Angul Forest Division.</p> <p>Total forest area involves for diversion is 3.42 Ac i.e 1.384 Ha of Revenue forest.</p> <p>Angul Forest Division:- 3.42 Ac i.e 1.384 Ha.</p> <p>The route alignment map showing the existing Transmission line and proposed diversion portion of 400KV D/C Talcher-Meramundali Transmission line has been prepared on Toposheet of Survey of India in 1:50000 scale (Toposheet No.F45N4) and the same is enclosed at Annexure -I.</p> <p>The total forest area required for diversion towards construction of Diversion portion of 400KV D/C Talcher -Meramundali transmission line from Loc 29 to 32 is 3.42 Ac i.e 1.384 Ha under Angul Forest Division.</p>
(ii) Map showing required forest land, boundary of adjoining forest on a 1: 50000 scale map.	

(iii) Cost of project :-

(iv) Justification for locating the project in forest area :-

(v) Cost benefit analysis:-

(vi) Employment likely to be generated:-

2. Purpose-wise break up of the total land required:

(a) Total land involved under the Transmission line:-

(b) Details of Division wise Forest Land:

(c) The item-wise break-up of total land required:

The Estimated cost of the project is Rs 8.897 Crore. Administrative approval enclosed as **annexure-II**.

Due care and precaution have been taken to eliminate the forest and the entire possible alternative have been explored to reduce the involvement of forest land. Comparative statement for alignment I, II & III is enclosed as **Annexure-III**. From the comparative statement it is clear that ALT-I route involves least forest land in comparison to other two alternative routes Nos of trees and density of forest is also minimum in ALT-I route in comparison to other two routes. In view of above, it is justified to select ALT-I route for construction of subject line.

Details enclosed at **Annexure-IV**

About 60 per day people will be engaged during construction period and also employment opportunity generated in beneficiary like Agricultural and industrial sector shall not change.

Details enclosed at **Annexure-V**.

Sl. No.	Name of DFO	Area			Total area
		Reserve Forest	DLC	Revenue Forest	
01	Angul	0	1.261 Ha	0.123 Ha	3.42 Acre i.e 1.384 Ha

The item wise breakup of the forest areas required for different purpose is indicated below:-

Land required for foundation casting of 01 no. of tower in forest area is 0.0196 Ha in Revenue forest in Angul Forest Division. The remaining area will be utilized for stringing of Transmission line which will pass at a minimum height of 8.84 mtrs above ground level, having ROW of 46 Metre

The item wise breakup of the total land required for different purpose for Angul Forest Division is indicated below:

Forest Area:

SL.NO.	PATTERN OF UTILISATION	FOREST AREA IN HA.				
		RF	PF	DLC	REVENUE FOREST	TOTAL AREA
1	Foundation casting	-	-	0.0196	-	0.0196
2	Passing of transmission line conductor	-	-	-	1.3644	1.3644
3	Grand total	-	-	0.0196	1.3644	1.384

	Non-Forest Area:		
	SL.NO.	PATTERN OF UTILISATION	Total Area in Ha.
	1	Foundation casting	0.098
	2	Passing of transmission line conductor	5.987
	3	Grand total	6.085
3. Detail of displacement of people due to the project, If any :-			
(i) Number of families.	Nil		
(ii) Number of scheduled caste/scheduled tribe families,	Nil		
(iii) Rehabilitation plan,	Nil		
4. Wheather clearance under Environment (Protection) Act, 1986 required? (Yes/No).	Not required		
4a. Details regarding transmission line (Only for transmission line proposal)			
(i) Total length of transmission line.	1.623 KM from Loc 29 to 32 of 400 KV Talcher -Meramundali Double Circuit transmission line. Out of Which 0.301 Km Passes through Angul Forest Division.		
(ii) Length passing through forest area	Reserve Forest:- 0.0 KM Revenue Forest: 0.301KM		
	Total = 0.301 KM		
(iii) Right of way	46 Mtr		
(iv) Total number of towers to be erected	06 No Tower.		
(v) Number of towers to be erected in forest area.	01 Tower		

आर. एल. पांडा
R.L. PANDA

	<p>5. Undertakings: - Undertaking furnished by the competent authority enclosed as Annexure-VIA, VIB, VIC, VID & VIE.</p> <p>6. Details of Enclosures :- Details of certificates/documents enclosed as follows:-</p> <ol style="list-style-type: none"> 1. 1:50000 scale GSI maps Toposheet No. F45N4) and the same is enclosed at annexure -I. 2. Administrative approval and cost of the project as annexure-II 3. Comparative Statement of three alternative routes as Annexure-III. 4. Cost Benefit Analysis as Annexure-IV. 5. Details of total land involved under the transmission line as Annexure-V. 6. Undertaking furnished by the competent authority enclosed as annexure-VIA, VIB, VIC, VID & VIE.
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Date:- 09.08.2019

Place:- Bhubaneswar

Signature:-



Name:- R.L.Panda

Designation:-Sr. General Manager

Power Grid Corporation of India Limited
2000 MW Talcher HVDC Bipole Sub-Station,
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Official Seal

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Sr. G.M., POWERGRID, Kaniha

Divisional Forest Officer
Angul, Division