

Full Title of Project: Diversion of 0.1564 Ha. (Khair Range – 0.1564 Ha.) of forest land for laying of 400 kV D/C Aligarh-Prithala Transmission Line coming under Aligarh Forest Division by Gurgaon Palwal Transmission Limited.

FORM – ‘A’

Form for Seeking Prior Approval under Section 2 of the proposals by the state Governments and other authorities.

PROPOSAL UNDER FOREST CONSERVATION ACT FOR 400 KV DOUBLE CIRCUIT POWER TRANSMISSION LINE FROM ALIGARH (UTTAR PRADESH) TO PRITHALA (HARYANA)


Sr. No.	Item	Project Details
	Short narrative of the proposal and project / scheme for which the forest land required.	<p>The Central Electricity Regulatory Commission (hereinafter referred to as "the Commission"), in exercise of the powers conferred under Section 14 of the Electricity Act, 2003 (hereinafter referred to as "the Act"), will grants the license to Gurgaon Limited Transmission Limited(GPTL), as necessary documents has been provided to CERC . GPTL having its registered office New Delhi,(hereinafter referred to as the licensee) to construct, own, maintain and operate the transmission lines, more specifically described in the schedule attached to this license, which shall be read as a girt and parcel of this license, subject to the Act, the rules and the terms and conditions specified under the Central Electricity Regulatory Commission (Procedure, Terms and Conditions for grant of transmission license and other related matters) Regulations, which shall be read as anti-parcel of this license. GPTL has also taken prior approval of the Government under Section 68 of the Electricity Act for implementation of 400kV D/C Neemrana – Dhanonda Transmission Line from Ministry of Power, Government of India vide their letter No. 1/3/2015/PSP&A-417-418 dated 26th November 2015 and taken LOI for the project from Power Finance Corporation Limited (PFC) vide letter no. 03/ITP-21/15-16/GPTL/LoI dated 17th March 2016. The identification of three alternative route alignments and selection of optimized route alignment for 400 kV D/C Aligarh – Prithala Transmission line using survey of India Toposheets and associated field work between 765/400kV Substation at Khair , District : Aligarh in UP and 400kV Substation at Priyhala, District : Palwalh in Haryanan alongwith with B-Line Length.The project shall from part of National Grid and would become a vital link for bulk power transfer of between State UP and Haryana.</p> <p>Three alternative route corridors were identified largely by maximizing linear sighting opportunities, such as following existing roadways and power line corridors, negotiation with river, railway, road electric power and telephone line crossing and least crossing of notified forest area. All efforts have been made to provide minimum numbers of angle points and utmost care have been fixed of on the ground with possible angle of diversion. Rivers are mainly crossed with right angle and a minimum span. Crossings are located on high bank and are out of the maximum flood level. Similarly, power line crossing have been fixed as close as possible to the right angle but not less than the 60 degree crossing.</p> <p>The line passes through the state of Haryana and UP. The line passes through the Districts Aligarh and Gautam Budh Nagar districts of UP and Palwal Districts of Haryana. The corridor contains only Road/Canal/Railway Side strip plantation. Every effort has been made to avoid forestry but it not possible to completely avoid the forest. The line length of alternative-1(Proposed) is having 29.90 km, alternative -2 is having 30.323 km and alternative -3 is having 30.79 km.</p> <p>The alignment with minimum crossing of the forest has been selected as the proposed alignment. The route having minimum length has been selected as the final proposed Alternative alignment. After detailed analysis, it is observed that the Alternative 1 has the least route length and has minimum crossing in terms</p>

		of rail, road and existing power lines. Alternative -1 also is the best in terms of approachability for construction as well as maintenance. Keeping the above points in consideration, we propose alternative 1 to be taken as the final proposed route alignment. We have delineated a 10 km buffer along the selected route for the walk over survey.
ii)	Map showing the required land in Forest, boundary of adjoining forest on a 1: 50,000-scale map	The Transmission line coming under the forest area is plotted on Topo sheet of Survey of India in 1:50000 scale.
iii)	Cost of Project	The estimated cost of the project is Rs. 810.13 Crore.
iv)	Justification for locating the project in Forest area (P.F.)	Due care and precautions have been taken to eliminate the forest and the entire possible alternative have been explored to reduce the demand of the Forest Land.
v)	Cost-benefit analysis	Enclosed
vi)	Employment likely to be generated	About 150 people will be engaged during construction period and also employment opportunity may be generated in beneficiary, agriculture and industrial sector.
vii)	Total population benefited	Major benefits will be going to peoples of Haryana and UP States.

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

i)	Total Forest land involved under the transmission line in Uttar Pradesh State (Aligarh Division)	Sl. No.	Type of Land	Area in Hac.	Purpose
		1	PF land	0.1564 Ha.	
		2	Private	0.0000 Ha	
		Total Forest land required		0.1564 Hac	
		GRAND TOTAL		0.1564 Hac	
ii)	Details of DFO wise forest land	Division	Area in Ha.		Total
			Protected Forest		
		Aligarh Division	0.1564 Ha.		0.1564 Ha.



		TOTAL	0.1564 Ha.	0.1564 Ha.	
		<i>No Tower is constructed in Forest area. Only Forest Area will be utilized for stringing of Transmission line wires which will pass at minimum height of 8.84 mtrs above ground level, having ROW corridor of 46 mtrs.</i>			
iii)	The item wise break up of total land required	The item wise breakup of the Forest areas required for different purpose is indicated below:			
		Sl. No.	Pattern of Utilization	Forest area in Hectare.	
				Protected Forest	Total Area in Ha.
		1	Foundation Casting	Nil	Nil
		2	Passing of Transmission Line Conductor (Stringing of Line Conductors) in Aligarh Division	0.1564 Ha.	0.1564Ha.
		GRAND TOTAL		0.1564Ha.	0.1564Ha.
3	Details of displacement of people due to project, If any:				
i)	Number of families:	Nil			
ii)	Number of Schedule Caste/ Schedule Tribes families:	Nil			
iii)	Rehabilitation plan	Not Required			
4	Whether clearance under environment (Protection) Act. 1986 required? (Yes / No).	No (Not required)			
4A	Details regarding transmission lines (only for transmission line proposals)				
i)	Total length of transmission line (UP)	29.90 KM			
ii)	Length/area passing through forest area of Aligarh forest Division (UP)	Aligarh Forest Division: 0.1564 Ha. TOTAL : 0.1564 Ha.			
iii)	Right of Way	46 Meters			



iv)	Total no of towers to be erected	<i>No Tower will be erected in Forest Area of forest Division/District.</i>			
v)	No of towers to be erected in forest area of UP	Sr. No.	Forest Division	No of Towers to be erected	Total
				Protected Forest	
		1	Aligarh	NIL	NIL
		TOTAL		NO TOWER WILL BE ERECTED IN FOREST AREA	
vi)	Minimum Clearance allowed between conductors of transmission lines and Trees	For 400 kV, 5.5 Meters. (As per prevailing Forest Act, Table-27.2)			
5	Undertaking to bear the cost of raising & maintenance of compensatory afforestation.	Enclosed			
6	Details of certificate/ documents enclosed as required under the instructions.	Details of Certificates /Documents enclosed as follows:- i) 1:50000 scale GSI maps showing the route alignment of proposed transmission line and forest area on village maps (scale 16inch:1Mile) ii) Cost benefit analysis iii) Undertaking furnished by the competent authority for Compensatory Afforestation enclosed iv) Undertaking furnished by the competent authority for payment of Net Present Value (NPV). v) Certificate of the minimum use of forest area. vi) Undertaking furnished by the competent authority for not establishing labour camp in forest area.			

Certified that all other alternatives for the Purpose have been explored and the demand for the required area is the minimum demand for forest land.



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Date:
Place: New Delhi

