



OFFICE OF THE DIVISIONAL FOREST OFFICER, DHENKANAL FOREST DIVISION
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Memo No 7629 3F/Misc/617/2019/dt. 30-08-19

To,

The Regional Chief Conservator of Forests,
Angul.

Sub:- Proposal for diversion of Revenue Forest Land over 0.378 Ha. for construction of 400 KV D/C Talcher-Meramandali Transmission Line" of PGCIL at village Kamalanga in Dhenkanal district, Odisha.
State Serial No-OR-044/2019 dt.04.06.2019.
Proposal No-FP/OR/TRANS/40463/2019.

On the above mentioned subject, it is to inform that the above proposal for Diversion of 0.378 Ha. of Revenue Forest Land for of 400 KV D/C Talcher-Meramandali Transmission Line" of PGCIL at village Kamalanga in Dhenkanal district, Odisha in respect of Dhenkanal Forest Division has been received from the User Agency through online bearing **State Serial No.OR-044/2019 dt.04.06.2019** for due processing and onward transmission for approval under Section 2 of Forest (Conservation) Act, 1980.

Brief Description of the Proposal.

Power Grid Corporation of India Limited (PGCIL) is an Indian state-owned electric utility company headquartered in Gurugram, India. PGCIL transmits about 50% of the total power generated in India on its transmission network. Keeping pace with changing business environment, PGCIL had set its vision to become World Class, Integrated, Global Transmission Company with dominant Leadership in Emerging Power Markets Ensuring Reliability, Safety and Economy. The Corporation has set objectives in line with its mission and its status as Central Transmission Utility to undertake transmission of electric power through Inter-State Transmission System, to discharge all functions of planning and coordination relating to Inter-State Transmission System with Efficient Operation and Maintenance of Transmission Systems and to ensure principles of Reliability, Security and Economy matched with the rising / desirable expectation of a cleaner, safer, healthier Environment of people, both affected and benefited by its activities.

Angul Sunkinda Railway Limited (ASRL), a joint venture company has been incorporated by Rail Vikas Nigam Limited (RVNL) for the purpose of setting up the Angul – Sukinda new BG Railway line/ Project. The Board of Directors of ASRL consists of RVNL, Odisha State Government, Odisha Mining Corporation & JSPL. The basic purpose of this Rail Link is to facilitate the raw material to the nearby industries. Odisha is one of the richest states of India in terms of its mineral resources. It has 25% of country's iron-ore, 98% of country's chrome ore and 33% of coal recoverable reserves. Angul-Sukinda new BG rail line is being constructed under public-private partnership model for providing an alternative rail link to the Angul-based steel plants with the Keonjhar-Bansapani iron ore belt, Sukinda chromite and Talcher Coalfields to Kalinga Nagar industrial belt. Odisha has also assured all possible assistance in the land acquisition process for this project.

Rail Vikas Nigam Limited in their Letter No. RVNL/ BBS/ Elect/ ANGL – SKND/ PGCIL/ 15233 dated 01.08.2016 has intimated to PGCIL that “400 KV Talcher – Meramandali DC line, crossing at Station yard near village Kamalang at Rly Ch: 4746 of Kamalang to Rly Ch: 5126 – 5226 in connection to Angul – Sukinda new BG Railway link” is required to be diverted outside the station yard as per the clearance norms of Regulation for Power Line Crossing of Railway Tracks 1987.

The PGCIL has approved this project and proposed for Diversion of existing 400 kV Talcher-Meramundli D/C Line by constructing new power line due to crossing of the proposed New BG Rail Way Line (Angul-Sukinda) of East Coast Railway, Bhubaneswar, Odisha from Rly CH – 4746 to Rly CH – 5126 – 5226 OR from Existing Tower No. 117 to Existing Tower No. 121, which falls in Kamalang village sheet No. - 2 under Odapada Tahasil of Dhenkanal Forest Division of Dhenkanal district, Odisha.

Accordingly, walk in survey in three routes (Route -I, II & III) has been carried out by PGCIL, as shown in Survey of India Topo Sheet No: F45T5 in 1:50,000 scale (PLATE No.-1). The above three routes are also shown in the same Map in an enlarged Scale of 1:15,000. From the survey, it is noticed that, out of these three routes, Route No. - III is found to be suitable from all angles.

Land particulars of the Project

The total requirement of Forest land for the above Project is 0.378 Ha. Non Forest Govt. land is 1.892 Ha and Private Land is 5.760 Ha. = 8.030 Ha which are coming under Dhenkanal Forest Division. Accordingly, the detail status of Forest Land & Non Forest Land are categorically furnished below.

Name of the Division	Forest Land (in Ha)		Non Forest Land (in Ha)			
	Name of the Revenue Forest Land	Total	Govt. land	Pvt. Land	Total	Grand Total (in Ha)
Dhenkanal	Revenue Forest = 0.378 Ha.	0.378	1.892	5.760	7.652	8.030

Justification for locating the project in forest land.

This Forest Diversion Proposal is formulated to avoid the crossing of 400 kV DC line (Talcher – Meramundali Power Line) of PGCIL over the Railway Station Yard near Kamalang village. This power line is required to be diverted (from existing A.P. Tower No.- 117 to 121) mainly due to crossing over the Station Yard at Railway Ch: 4746 of Kamalang to Rly Ch: 5126 – 5226 in connection to Angul – Sukinda new BG Railway link. For the purpose, walk over survey was conducted by PGCIL and three alternative lines were identified. The detail description about the forest area and other techno-commercial information involved in three alternative Lines are compared which has been shown in the Forest Diversion Proposal. EHT Transmission line can't take frequent turn because of limitation of maximum 60° turn and other technical constraints. After avoiding human settlements, hilly terrain, forest plantation, local ponds, etc; alternate **Line No. - III** is considered as the best alternative for the transmission line, since there is no scope to avoid the forest land covering the barest minimum area of **0.933 Acre or 0.378 ha (less than 1.00 ha)** and due to other techno-economic reasons. The project can also supply electricity to different state grid sub-station of Odisha and other State also.

Compensatory Afforestation

The Compensatory Afforestation is not required as the forest area proposed for diversion is less than 01 (one) ha.

Tree Enumeration

The tree enumeration list in Revenue Forest land and non-forest Govt. land are enclosed with the forest diversion proposal. As per tree enumeration list, 15 nos. of trees in Revenue Forest land and 135 nos. of trees in non-forest Govt. land have been enumerated. The canopy density of vegetation has also been furnished in the Part-II of the diversion proposal.

Model Certificate under FRA 2006

The User agency has applied for the model certificate to the Collector & District Magistrate, Dhenkanal under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 and accordingly, the User Agency has furnished the Undertaking to submit the same after receipt from the respective authority. The Undertaking has been enclosed along with the Forest diversion proposal.

Maps

In pursuance to the Guidelines issued by GoI, MoEF & CC vide letter F No.11-9/98-FC Dated 08.07.2011, the User Agency has furnished all DGPS Maps for the Forest area, so involved in the project duly certified by ORSAC and authenticated by the concerned Tahasildars are enclosed in the Diversion Proposal in **Plate-01 to 04**.

Position of Displacement of People and Rehabilitation if any

No displacement is involved in the project area. So rehabilitation plan is not required.

Cost Benefit Analysis

The cost benefit analysis is not required as the forest area proposed for diversion is less than 20 Ha.

Flora And Fauna

The common species of Flora and Fauna which are noticed in the forest area proposed for Diversion in respect of Dhenkanal Forest Division are furnished in the Part-II enclosed in the Diversion proposal in details.

Net Present value

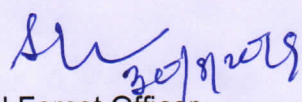
The vegetation is Dry deciduous & comes under (Eco class -III) with canopy density less than 0.4. Accordingly the User Agency has furnished an undertaking to bear the cost of NPV as required for the project which has been enclosed with the forest diversion proposal.


Violation

No violation of F.C Act. by the User Agency has been noticed so far in respect of the above project.

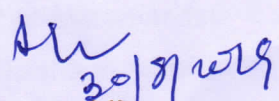
Recommendations


In this connection, 5 (Five) sets of Diversion Proposal are submitted herewith for favour of kind information & necessary action.


Divisional Forest Officer
Dhenkanal Division

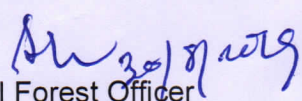
Memo No 7630 /dt. 30-08-19 


Copy submitted to the Addl. Principal Chief Conservator of Forests, (Forest Diversion) & Nodal FC Act, O/O the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour kind information and necessary action.


Divisional Forest Officer
Dhenkanal Division

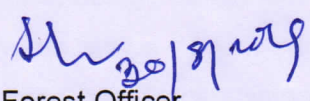
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Copy submitted to the Collector, Dhenkanal for favour kind information and necessary action.


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Memo No 7632 /dt. 30-08-19 

Copy forwarded to the Sr. GM, Power Grid Corporation of India Limited, Kaniha, 500 KV, HVDC Bipole Terminal Station, Post Box-09, Deepsikha-759147, Dist- Angul, Odisha for information and necessary action.


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Dhenkanal Division
