

POWERGRID Medinipur Jeerat Transmission Limited

(erstwhile Medinipur-Jeerat Transmission Limited)

[CIN: U40300DL2016GOI290075]

[A 100% wholly owned subsidiary of Power Grid Corporation of India Limited (POWERGRID)]

Address: POWERGRID, Eastern Regional-II Headquarters

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[Registered Office: B9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110016]

PROJECT DETAILS AND JUSTIFICATION OF THE PROJECT IN FOREST AREA (765 KV D/C (HEXA) RANCHI – MEDINIPUR TRANSMISSION LINE (WEST BENGAL PORTION)

PROJECT BACKGROUND:

The major generation projects in Eastern Region in future are envisaged in the central and western part of the region (Odisha, Jharkhand and Bihar); however, no major generation addition is expected in the eastern part (West Bengal). Thus, in order to provide reliable and source power supply within the region from various future generation sources and also to facilitate power exchange with the neighbouring regions under various operating conditions, there is a necessity of strong transmission network inter connecting eastern and western part of Eastern Region.

Accordingly, implementation of high capacity Ranchi – Medinipur – Jeerat 765 kV D/c line along with establishment of 765/400kV sub-stations at Medinipur and Jeerat, was approved in the 17th Standing Committee Meeting on Power System Planning of ER to provide a strong East – West connection in the Eastern Region as well as to feed large load centres of West Bengal viz. Jeerat, Subhasgram, Kharagpur and Chanditala area. For further dispersal of power from these 765/400kV sub-stations, various 400kV lines have been planned.

The above scheme was approved in 30th ERPC/TCC meeting held on 20th June 2015 and 35th Empowered Committee Meeting on Transmission held on 14th September 2015.

The scheme was further revised and approved in the 18th Standing Committee Meeting on Power System Planning of ER held on 13th June 2016, 33rd ERPC/TCC meeting held on 24th – 25th June 2016 and 36th Empowered Committee Meeting on Transmission held on 26th July 2016.


बी.घोष
B. GHOSH
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SCOPE:

The TSP will be required to establish the following Transmission System for “**765kV Strengthening In Eastern Region (ERSS-XVIII)**” on build, own, operate and maintain basis.

- Establishment of 765/400kV, 2x1500MVA sub-station at Medinipur.
- Establishment of 765/400kV, 2x1500MVA sub-station at Jeerat (New).
- Ranchi (New) – Medinipur 765kV D/c line with Hexa ACSR Zebra conductor.
- Medinipur – Jeerat (New) 765kV D/c line with Hexa ACSR Zebra conductor.
- LILO of both circuits of Chanditala – Kharagpur 400 kV D/c line at Medinipur.
- Jeerat (New) – Subhasgram 400kV D/c line with ACSR Quad Moose conductor.
- Jeerat (New) – Jeerat (WB) 400kV D/c line with ACSR Quad Moose conductor.
- 2 nos. 400kV GIS line bays at Jeerat (WBSETCL).

JUSTIFICATION:

LEGAL FRAMEWORK:

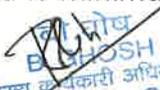
The Prior approval of the Government of India under Section 68 of the Electricity (Supply) Act, 2003 for the subject project has been obtained vide CEA's letter dated 26.08.2016. It is proposed to execute the above entire transmission scheme as per provisions contained in the Indian Electricity Act, 2003 and the rules made there-under and the Electricity (Supply) Act, 1910 and 1948, in so far as these are applicable.

ENVIRONMENTAL IMPACT ASSESSMENT:

Environmental Risk:

Transmission line projects are environmentally friendly and do not involve any disposal of solid effluents and hazardous substance in land, air and water. Moreover, in forest areas trees are felled below each conductor to facilitate stringing. On completion of construction only one such strip is maintained for O&M purpose. Therefore the actual loss of forest is restricted to some selected area only. However, as per the requirement of Forest (Conservation) Act, 1980 approval of Ministry of Environment & Forests, Govt of India for diversion of forest land shall be taken before construction of line and compensatory afforestation shall be done on double the area of degraded forest land to compensate the loss of vegetation, due to diversion of forest land if there is any after detailed survey.

As per the assessment based on Detail survey in forest area/joint inspection by Forest Department and Topo-sheet reference, an area of **17.876** Hectare is unavoidably passing through Forest area of three (3) forest divisions in the state of West Bengal. The extent of the forest area is completely unavoidable owing to the physiography of the area and presence of Protected Forest area, Chandil Dam, Kansabati Dam, Arabari Reserved Forests various town/villages, rivers, existing infrastructures like Railway, National Highway, Power-lines etc. across the route of the proposed transmission line. However, the forest area involved is minimum extent required for the execution of the project in the state of West Bengal.


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Social Issues/R&R measures:

As per the prevailing law, land below transmission line is not required to be acquired and only land for substation is required to be acquired for each substation depending upon the type and voltage level. However, POWERGRID Medinipur Jeerat Transmission Ltd. will pay the compensation of the damages as per prevailing guidelines and as per assessment of the State Govt.

Hence no fresh land acquisition and R&R issues are involved.



Signature:

Name in Block letters: **BHABATARAN GHOSH.**

Designation: **Chief Executive Officer**

Address of Agency: **POWERGRID Medinipur Jeerat Transmission Ltd.**
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