



भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
केन्द्रीय विद्युत प्राधिकरण  
Central Electricity Authority  
विद्युत संचार विकास प्रभाग  
Power Communication Development Division

|   |
|---|
| CEA Case No.: WB-144  |
| PTCC proposal for construction of 400 kV transmission line for bypassing of Farakka-Kahalgaon (ckt-3 & ckt-4) Farakka - Durgapur 400 kV line of POWERGRID so as to from Kahalgaon-Durgapur 400 kV D/C line; 3.19 km |

| Reference: |   |            |
|------------|---|------------|
| S. No.     | Reference No.                                 | Dated      |
| (i)        | POWERGRID: ER-II/FKK/ERSS-XXIII/PTCC/213/4139 | 18.06.2021 |
| (ii)       | BSNL: DE/PTCC/EWB290620213335/02              | 03.11.2021 |
| (iii)      | Defense: B/46937/Sigs 7(b)/2460               | 26.08.2021 |

The PTCC proposal submitted vide reference (i) has been examined. BSNL has conveyed NOC vide above reference (ii). Telecom details from Eastern Railway are pending, however, power utility (POWERGRID) has shown urgency for charging the line. Therefore, LF induction on block & telecom circuits of Eastern Railway has been computed based on the marking on topographical map submitted by the power utility. The voltages likely to be induced on paralleling block & telecom circuits of Eastern Railway under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors, as applicable, have been considered. The Defense Authority have accorded NOC vide above reference (iii) for the proposed power line (a copy enclosed as Annexure-II).

Taking above into consideration, necessary action regarding issuance of PTCC route approval may be taken.

**Encl.:** As above.

Raghwanth Prastab Singh  
Director 14.12.21

To,

|    |  |   |  |
|----|--|---|--|
| 1. | Divisional Engineer (PTCC), Eastern Zone | BSNL O/o DET(PTCC), Eastern Zone, QA & Inspection Circle, Q.A Bhawan, EP-GP Block, Sector-V, Salt lake, Kolkata-700091. |  |
| 2. | CSTE                                     | Eastern Railway HQ, Fairley Place, 17 Netaji Subhash Road, Kolkata - 700001   | With a request to intimate this office in case any sections other than those in Annexure-I are present |
| 3. | DGM                                      | POWERGRID, Farakka TL O&M Office, NTPC PTS Complex, PO-Pubarun, Dist. Malda, WB - 732215                                | Copy for information   |

**ANNEXURE - I**

| Case No.: WB-144   |                 |  |                        |                      |                         |
|--|-----------------|--|------------------------|----------------------|-------------------------|
| Name of the Power Line: Construction of 400 kV transmission line for bypassing of Farakka-Kahalgaon (ckt-3 & ckt-4) Farakka - Durgapur 400 kV line of POWERGRID so as to from Kahalgaon-Durgapur 400 kV D/C line |                 | Map Scale : 1 cm = 500 m.<br>Route Length : 3.19 km<br>Soil Resistivity : 5,000 Ohm-cm |                        |                      |                         |
| S.No.  | Telecom Details | Length of Parallelism (in km)  | Mutual Coupling (Ohms) | Fault Current (Amps) | Induced Voltage (Volts) |

| EASTERN RAILWAY<br>(Based on the markings present on topographical map submitted by POWERGRID) |                                |     |        |       |   |
|--|--------------------------------|-----|--------|-------|---|
| Affected Blocks & Telecom Circuits Details   |                                |     |        |       |   |
| 1  | Bamidanga RS - Tildanga RS     |     |        |       |   |
| 2  | Tildanga RS - New Farakka RS   |     |        |       | 0 |
| 3  | New Farakka RS - Chamagram RS  | 1.2 | 0.0001 | 15000 | 2 |
| 4  | New Farakka RS - Ballalpur RS  |     |        |       | 0 |
| 5  | Ballalpur RS - Dhulianganga RS | 0.3 | 0.0001 | 15000 | 2 |
| 6  | Gumani RS - Kotalpukur RS      |     |        |       | 0 |
| 7  | Kotalpukur RS - Tilbhita RS    |     |        |       | 0 |

*Prateek*

प्रतीक श्रीवास्तव / PRATEEK SRIVASTAVA  
सहायक निदेशक-II / Asst. Director-II  
केन्द्रीय विद्युत प्राधिकरण / C.E.A.  
विद्युत मंत्रालय / Ministry of Power  
भारत सरकार / Govt. of India  
नई दिल्ली / New Delhi

Tele : 23019746

WB-144

B/46937/Sigs 7(b)/2460/

Deputy General Manager  
Power Grid Corporation of India Limited  
Farakka TL O&M Office, NTPC PTS Complex,  
P.O. Pubarun, Dist-Malda, West Bengal-732215

Annex - CC  
Directorate General of Signals  
Signals 7  
General Staff Branch  
Integrated HQ of MoD, (Army)  
DHQ PO, New Delhi - 110011

26 Aug 2021

**PTCC PROPOSAL FOR CONSTRUCTION OF 400KV TRANSMISSION LINE FOR  
BYPASSING OF FARAKKA-KAHALGAON (CKT-3 & CKT-4) FARAKKA-  
DURGAPUR 400KV LINE OF POWERGRID SO AS TO FROM KAHALGAON-  
DURGAPUR 400KV D/C LINE UNDER EASTERN REGION STRENGTHENING  
SCHEME-XXIII**

1. Refer your letter No ER-II/FKK/ERSS-XXIII/PTCC/213/4139 dt 18 Jun 2021 (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided as per Map sheet received under your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.

(Rakesh Kumar)  
Lt Col  
GSO 1 (Comn)  
for SO-in-C

Enclosures : As above

Copy to :-

✓ The Director (PTCC), CEA  
Power Communication Development Division  
NRPC Complex, 18-A Shaheed Jeet Singh Marg  
Katwaria Sarai, New Delhi - 110016

The DET (PTCC), Northern Zone  
O/o PGM (North), QA & Inspection Circle,  
D-Tax Building, Eastern Court, Janpath  
New Delhi-110001

for information

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