



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

Case No. : UP-531:

PTCC proposal of 220 kV D/C Mallawan to Hardoi transmission line : 40.648 km

Reference:

| S. No. | Reference No. | Dated |
|--------|--|------------|
| (i) | UPPTCL : 1056/ETDH/220 KV Mallawan-Hardoi line | 26.06.2020 |
| (ii) | BSNL: DET/PTCC/ND/DV-9778/UP-903/2020-21 | 09.02.2021 |
| (iii) | Northern Railway: 342-SIG/1/PTCC/2020-21/09/05 | 16.09.2020 |
| (iv) | Defense: B/46937/ Sigs 7(b)/2092 | 08.01.2021 |

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide reference (ii) has intimated that there are no BSNL lines (copper cable and armored OFC) in the route of the proposed power line and has conveyed NOC. The LF induction on Block & Telecom circuits of Northern Railway with respect to details furnished vide above references (iii) has been computed. The voltages likely to be induced on Block & Telecom circuits of Northern Railway under Single Line to Ground fault condition are enclosed at Annexure. The screening factors, as applicable, have been considered. The Defense Authority have accorded NOC vide above reference (iv) for the proposed power line.

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

Encl.: As above.

Signature Not Verified
Digitally signed by RACHVENDRA
PRATAP SINGH
Date: 2021.08.06 15:58:38 IST

Director

To,

| | | | |
|----|---|--|----------------------|
| 1. | Divisional Engineer (PTCC), Northern Zone | BSNL O/o PGM (N), QA & Inspection Circle, D-Tax Building, Eastern Court, Janpath, New Delhi 110001 | W/O Annexure |
| 2. | AESTE/UTS | Northern Railway, Headquarters Office, Baroda House, New Delhi-110001 | Annexure |
| 3. | EE, Electricity Transmission Division | UPPTCL, 220/132 kV Sub-Station Mannapurva, Lucknow Road, Hardoi | Copy for information |

ANNEXURE

Case No.: UP-531

Name of the Power line: 220 kV D/C Mallawan to Hardoi transmission line.

Map Scale : 1 cm=500 m

Total Length : 40.648 km

S.R. Value : 10,000 ohm-cm

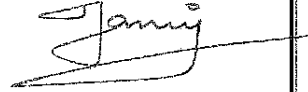
| S.No. | Telecom. Details | Length of Parallelism in Km. | Mutual Coupling in Ohms. | Effective Fault current in Amps. | I.V in Volts. |
|-------|------------------|------------------------------|--------------------------|----------------------------------|---------------|
|-------|------------------|------------------------------|--------------------------|----------------------------------|---------------|

Northern Railway: 342-SIG/1/PTCC/2020-21/09/05

Dated: 16.09.2020

Affected Blocks & Telecom Circuits Details

| | | | | | |
|---|---------------------------------|--------------------|--------|------|----|
| 1 | Balamau R/S to Madhoganj R/S | 4.1 | 0.0007 | 7673 | 06 |
| 2 | Madhoganj R/S to Mallanwan R/S | 8.8 | 0.0008 | 7851 | 07 |
| 3 | Mallanwan R/S to Bangar Mau R/S | Out of Parallelism | | | 00 |



तनुज / TANUJ
 सहायक निदेशक-II, Asst. Director-II
 केन्द्रीय विद्युत प्राधिकरण / C.E.A.
 विद्युत मंत्रालय, Ministry of Power
 भारत सरकार / Govt. of India
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