



सत्यमेव जयते

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

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| Case No. : UP-551: |
| PTCC proposal for LILO of 220 kV S/C Chandausi (220 kV) to Sambhal (220 kV) transmission line at 400 kV S/S Sambhal :16.198 km |

| Reference: | | |
|------------|--|------------|
| S. No. | Reference No. | Dated |
| (i) | UPPTCL: 528/(ETD) Sambhal | 10.03.2021 |
| (ii) | BSNL: DET/PTCC/ND/DV-9730/UP-874/2021-22 | 05.02.2021 |
| (iii) | Northern Railway: 342-SIG/1/PTCC/2020-21/07/02 | 01.07.2020 |
| (iv) | Defense : B/46937/Sigs 7(b)/2061 | 27.08.2020 |

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 reference (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. Vide ref. (iv) above, Defence Authority have issued No Objection Certificate (NOC).

Taking above into consideration, kindly take necessary action for PTCC route approval.

Encl.: As above.

Signature Not Verified

Digitally signed by
RAGHVENDRA PRATAP SINGH
Date: 2021.06.25 17:00:38 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, Headquarter Office, Baroda House, New Delhi-110001 | With Annexure |
| 3. | EE, Electricity Transmission Division | UPPTCL, Office of the Executive Engineer, Electricity Transmission Division, 220 KV Sub-station, Sirsi, Sambhal-244301. | Copy for information |

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ANNEXURE

| Case No.: UP-551 Name of the Power line: LILO of 220 kV S/C Chandausi (220 kV) to Sambhal (220 kV) transmission line at 400 kV S/S Sambhal. | | Map Scale : 1 cm=500 m Total Length : 16.198 km Soil Resistivity : 40,000 ohm-cm | | | |
|--|------------------|---|--------------------------|----------------------------------|-------------|
| S.No. | Telecom. Details | Length of Parallelism in Km. | Mutual Coupling in Ohms. | Effective Fault current in Amps. | LV in Volts |

Northern Railway: 342-SIG/1/PTCC/2020-21/07/02

Dated : 01.07.2020

| <u>Affected Blocks & Telecom Circuits Details</u> | | | | | |
|---|-------------------------------|--------------------|--------|------|----|
| <u>Chandausi-Aligarh section</u> | | | | | |
| 1 | Chandausi R/S to Bahjoi R/S | 6.7 | 0.0035 | 5895 | 21 |
| 2 | Bahjoi R/S to Pathak Pur R/S | 7.6 | 0.0084 | 5685 | 48 |
| 3 | Pathak Pur R/S to Dhanari R/S | Out of Parallelism | | | 00 |


तनुज/TANUJ
निदेशक-II/Asstt. Director-II
केन्द्रीय विद्युत प्राधिकरण/C.E.A.
विद्युत मंत्रालय/Ministry of Power
भारत सरकार/Govt. of India
नई दिल्ली/New Delhi-110001