



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
पावर कम्युनिकेशन डवलपमेंट प्रभाग
Power Communication Development Division

No. CEA/PCD/ PTCC/UP-504/17-19

Date: 07.01.2020

DET (PTCC), Northern Zone,
Bharat Sanchar Nigam Limited (BSNL),
O/o PGM(N), Inspection Circle,
CTS Compound, Netaji Nagar,
New Delhi - 110023

Subject: Induced Voltage calculation in respect of PTCC proposal of LILO of one circuit of 220 kV D/C Chhata – Manth (M-C) Transmission Line at 220 kV S/S Vrindavan.

- Ref:** (i) Executive Engineer, UPPTCL letter no. 1426/ETD(M) dated 30.07.2019
(ii) BSNL letter no. DET/PTCC/ND/DV-9553/UP-767/2019-2020 dated 27.08.2019
(iii) North Central Railway letter no. NCR/S&T/2074/Tele./PTCC (Part-I) dated 20.08.2019
(iv) Defense letter no. B/46937/Sigs 7(b)/1800/ dated 27.11.2019

The PTCC case submitted vide reference (i) has been examined. BSNL vide above Ref. (ii) has accorded NOC for the line. The low frequency induction on Railway Telecommunication circuits as per details furnished vide above references (iii) has been examined. The Soil Resistivity value has been taken as 12,000 Ohms-cm, as per data submitted by Power Authority. Voltages likely to be induced on paralleling Railway Telecommunication circuits under single line to ground fault condition are enclosed at Annex-I. The screening factors as applicable have been considered. Defense vide above Ref.(iv) has accorded NOC for the line (A copy enclosed at Annex-II)

Taking above into consideration, kindly take necessary action regarding issue of PTCC route approval.

Encl.: As above

07.01.2020
(Upendra Kumar)
Chief Engineer

Copy to:

- 1) GM(S&T), North Central Railway, HQ's Office (S&T Branch), Ganga Parisar, Subedargani, Allahabad - 211015.(only Annex-I)
- 2) Executive Engineer, Electricity Transmission Division, UPPTCL, 132 kV Substation (Collage), Aurangabad, Mathura - 281001.

मुख्य अभियंता / Chief Engineer
केन्द्रीय विद्युत प्राधिकरण / C.E.A.
विद्युत मंत्रालय / Ministry of Power
भारत सरकार / Government of India
नई दिल्ली / New Delhi

m/c

B/46937/Sigs 7(b)/1800/


Office of the Executive Engineer
Electricity Transmission Division
U.P. Power Transmission Corporation Ltd.
132K.V. Sub Station,
Near Veterinary College, Aurangabad
Mathura-281001

27 Nov 2019

VP-504

PTCC CLEARANCE FOR LILO OF 220KV (M-C) @ 220KV S/S VRINDAVAN TRANSMISSION LINE

1. Ref your letter No 1426/ETD(M)/ dt 30 Jul 2019. (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheet received under your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.


(A Rawat)
Maj
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

Divisional Engineer Telegraph (PTCC)
O/o GM (North); BSNL, QA & Inspection Circle,
CTS Compound, Africa Avenue Road,
Netaji Nagar, New Delhi-110023

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for information

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11/12/19