



भारत सरकार

Government of India

विद्युत मंत्रालय

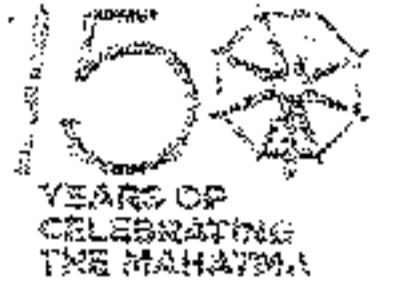
Ministry of Power

केन्द्रीय विद्युत प्राधिकरण

Central Electricity Authority

विद्युत संचार विकास प्रभाग

Power Communication Development Division



No.: CEA/PCD/ PTCC/HRA-229// 688-690

Date: 09.11.2020

Subject: PTCC proposal for LILO of one circuit of 220 kV Daultabad- Nuna Majra line at 220 kV S/S Sec - 107 Gurugram-regd.

Ref.: (i)	HVPNL, Executive Engineer Memo. No. 4431	Dated: 15.10.2019
(ii)	BSNL Ref. No. DET/PTCC/ND/DV-9638/UP-841/2019-2020	Dated: 27.01.2020
(iii)	Northern Railway Ref. No. 342-SIG/1/PTCC	Dated: 17.10.2019
(iv)	Defense Ref. No. B/46937/Sigs 7(b)/1872	Dated: 03.02.2020

The PTCC proposal submitted vide ref. (i) has been examined. BSNL vide ref. (ii) has intimated that there are no U/G copper cable and no armoured OFC within 08 km of the proposed power line. Hence, NOC for BSNL cables is conveyed. The LF induction on the Block and communication circuits of Northern Railway as per details furnished vide ref. (iii) has been examined. The soil resistivity value has been taken as 12,000 ohms-cm. Voltages likely to be induced on paralleling Block and Communication circuits of Northern Railway under Single Line to Ground Fault condition are enclosed at Annex-I. The screening factors, as applicable have been considered. Vide ref. (iv) above, Defence Authority have issued No Objection Certificate (NOC) (a copy enclosed as Annex-II).

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

Encl.: As above.

उपेन्द्र कुमार
09.11.2020
(Upendra Kumar)
Chief Engineer

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

श. टांज
RPS

M/c

Copy to:-

1. General Manager (S&T), Northern Railway, Office Headquarters, Baroda House, New Delhi-110001. (Annex-I only)
2. Executive Engineer, TS Division, Haryana Vidyut Prasaran Nigam Ltd., Gurugram-122001.

Case No.: HRA-229

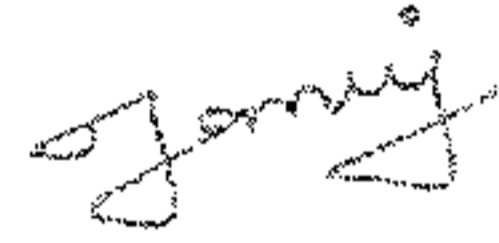
Name of the Power line: LILCO of one circuit of 220 kV
Daultabad- Nuna Majra line at 220 kV S/S Sec - 107
Gurugram.

Map Scale : 1 cm=500 mts
Total Length : 2.429 km
Soil Resistivity : 12,000 ohm-cm

S.No.	Telecom. Details	Length of Parallels in Km.	Mutual Coupling in Ohms.	Effectiv e Fault current in Amps.	I.V in Volts.
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Northern Railway letter no. :- 342-SIG/1/PTCC dated 17.10.2019

<u>Affected Blocks & Telecom Circuits Details</u>					
<u>Delhi-Rewari</u>					
1	Gurgaon R/S to Basai Dhankot R/S	1	0.0002	5833	01
2	Basai Dhankot R/S to Garhi Harsaru R/S	0.9	0.0002	9221	02



रतनज / TANUJ
सहायक निदेशक-II/Asst. Director II
केन्द्रीय विद्युत आपूर्त विभाग/C.E.A.
विद्युत विभाग/Ministry of Power
भारत सरकार/Govt. of India
नई दिल्ली/New Delhi-110015

Tele : 23019746

HRA-229

Annex-II

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


B/46937/Sigs 7(b)/1872/

03 Feb 2020

Office of the XEN TS-Division
Haryana Vidyut Prasaran Nigam Limited
Gurgaon-122001

PTCC APPROVAL FOR LILO OF ONE CIRCUIT OF 220KV DAULTABAD-NUNA MAJRA LINE
AT 220KV S/STN SEC 107

1. Ref your Memo No 4431 dt 15 Oct 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 (Comd)
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

} for information