

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

No.: CEA/PCD/PTCC/UP-533/ 633-635

Date: 09.10.2020

Subject: PTCC proposal for 220 kV Muzaffarnagar – Nanauta transmission line at Badhaikalan - regd

Ref: (i) UPPTCL Ref.933 ETD/MZN./PTCC Dated: 15.07.2020
(ii) BSNL Ref. No. DET/PTCC/ND/DV-9766/UP-892/2020-21 Dated: 22.09.2020
(iii) Northern Railway Ref. No. 342-SIG/1/PTCC/2020-21/06/01 Dated: 01.06.2020
(iv) Defense Ref. No. B/46937/Sigs 7(b)/2050 Dated 14.08.2020

The PTCC proposal submitted vide above ref. (i) has been examined. The low frequency induction on block circuits/Telecom circuits of Northern Railway as per details furnished vide ref. (iii) has been examined. The Average Soil Resistivity value has been taken as 5,000 Ohms-cm. Voltages likely to be induced on paralleling Block & Telecom circuits of Northern Railway under single line to ground fault condition are enclosed at Annex-I. The screening factors as applicable have been considered. BSNL vide ref. (ii) above, has intimated that there are no U/G cable and armoured OFC within 08 kms of the proposed power line and hence, issued No Objection Certificate (NOC). Defense has accorded NOC vide above ref. (iv) for this line (a copy enclosed at Annex-II).

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

Encl.: As above.

m/c
उपेन्द्र कुमार
(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

Copy to:

1. General Manager (S&T), Northern Railway, Headquarter Office, Baroda House, New Delhi-110001 (with Annex-I)
2. Executive Engineer, Electricity Transmission Division, UPPTCL, Near Evan Hospital, Bhopa Road, Muzaffarnagar, Uttar Pradesh-251001

ANNEXURE - I

Case No.: UP-533 Name of the Power line: 220 kV Muzaffarnagar – Nanauta transmission line at Badhaikalan			Map Scale : 1cm=266.66 mts Total Length : 4.970 Km. S.R. Value : 5,000 Ohms-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					
Ref. No. SIG/1/PTCC/2020-21/06/01 Dated: 01.06.2020					
<u>Affected Blocks & Telcom Circuits Details</u>					
2	Deoband R/S to Rohana Kalan R/S	3.1	0.0004	10000	4
3	Rohana Kalan R/S to Bamanheri R/S	1.5	0.0002	10000	2

Prateek

प्रतीक श्रीवास्तव / PRATEEK SHRIWASTAVA
सहायक 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

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UP-533

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


B/46937/Sigs 7(b)/2050/

14 Aug 2020

Office of the Executive Engineer
Electricity Transmission Division,
U.P. Power Transmission Corporation Limited
Near Evan Hospital
Shopa Road, Muzaffarnagar, U.P.-251001

**PTCC CLEARANCE FOR LILO OF 220KV MUZAFFARNAGAR-NANAUTA LINE @
BADHAIKALAN S/S UNDER ELECTRICITY TRANSMISSION DIVISION, MUZAFFARNAGAR**

1. Ref your letter No 518/E.T.D./MZN/PTCC dt 06 May 2020. (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

for information