



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/RAJ-632/373-74

Date:04.08.2020

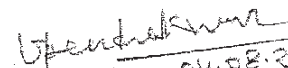
Subject: PTCC proposal of LILO of 220 kV D/C STPS -Ratangarh transmission line for 220 kV GSS Rawatsar line -regd.

Ref.: 1. RVPNL Ref. No. RVPN/XEN(PTCC)/JPR/F.1856-A/D.244 Dated: 13.01.2020
2. BSNL Ref. No. DET/PTCC/ND/DV-9525/Raj-1233/2020-21 Dated: 31.07.2020
3. North Western Railway Ref. No. SG/158/NWR/PTCC/744 Dated: 29.05.2019
4. Defense Ref. No. B/46937/Sigs 7(b)/1664 Dated: 11.07.2019

The PTCC proposal submitted vide ref. (i) has been examined. The LF induction on BSNL cables as per details furnished vide ref. (ii) has been examined. The Soil Resistivity value has been taken as 4,000 Ohms-cm. Voltages likely to be induced on paralleling BSNL cables under single line to ground fault condition are enclosed at Annex-I. The screening factors as applicable have been considered. Vide ref. (iii) above; North Western Railway has intimated that there is no railway track within the vicinity of 8 km from the proposed power line. Therefore, IV calculation is not required for North Western Railway. 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.


04.08.2020
(Upendra Kumar)
Chief Engineer

To,
The Divisional Engineer (Telecom), BSNL
PTCC O/o GM (North), Inspection Circle (T & D),
CTS Compound, Netaji Nagar,
Africa Avenue, New Delhi - 110023

Copy to:
The Executive Engineer (PTCC), RVPNL, Room No. 129, First Floor, Vidyut Bhawan, Jyoti
Nagar, Jaipur-302005.

M/C

Case No: RAJ-632

Name of the Power Line: 220 KV LILO of STPS-Ratangarh line for
220 KV GSS Rawatsar line

Annexure 1

Toposheet Scale : 1cm=500mts
Total Length : 40 Km
S.R Value : 4,000 Ohm-cm

Sl. No.	Name of Telecom Line	LOF in Kms	MC in Ohms	Fault Current (Amps)	IV in Vol
---------	----------------------	------------	------------	----------------------	-----------

BSNL
Reference No. DET/PTCC/ND/DV-9525/Raj-1233/2020-21
Date : 31.07.2020

BSNL Details					
1	CTX Rawatsar to Ramdev mandir 1200 Pairs (2.5 KM)	}	Out of Parallelism		
2	CTX Rawatsar to Newr Sahwa HCFL Project 400 Pairs (70 Mtrs)				
3	CTX Rawatsar to Ramila ground 200 Pairs (2.5 KM)				
4	CTX Rawatsar to T-Point of 22 AG Road 100 Prs (01 KM)				
5	CTX Rawatsar to Sanjay Basti 100 Prs (01 KM)				
			31/7 31.07.2020		
			मुख्य अभियंता / Chief Engineer केन्द्रीय विद्युत प्राधिकरण / C.E.A. विद्युत मंत्रालय / Ministry of Power भारत सरकार / Govt. of India नई दिल्ली / New Delhi		

Tele : 23019746

Annexure-III
Directorate General of Signals
Signals 7
General Staff Branch
Integrated HQ of Rtd. (Army)
DHQ PO, New Delhi - 110011


BI/46937/Sigs 7(h)/1664

17 Jul 2019

O/p Executive Engineer (PTCC)
Rajasthan Rajya Vidyut Prasaran Nigam Limited
Room No. 129, First Floor
Vidyut Bhawan, Janpath, Jyoti Nagar
Jaipur-302005

PTCC CASE OF 220KV LILO OF STPS-RATANGARH LINE FOR 220KV GSS RAWATSAR
LINE

1. Ref your letter No RVPN/XEN (PTCC)/JPR/F.1855-A/D.44 dt 20 May 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

for inform