

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-642/625-26

Date: 09.10.2020

Subject: PTCC proposal of 220 kV D/C Akal- Jaisalmer-2 (ICB-7) line -regd.

- | | | |
|-------|--|-------------------|
| Ref.: | (i) RVPNL Ref. No. RVPN/XEN(PTCC)/JPR/F.1852-A/D.34 | Dated: 20.07.2020 |
| | (ii) BSNL Ref. No. DET/PTCC/ND/DV-9519/Raj-1229/2020-21 | Dated: 17.08.2020 |
| | (iii) North Western Railway Ref. No. SG/158/NWR/PTCC/741 | Dated: 17.05.2019 |
| | (iv) Defense Ref. No. B/46937/Sigs 7(b)/1661 | Dated: 08.07.2019 |

The PTCC proposal submitted vide ref. (i) has been examined. The LF induction on telecom cables of BSNL with respect to details furnished vide above ref (ii) has been computed. The Soil Resistivity (SR) value has been taken as 15,000 Ohm-cm. The voltages likely to be induced on paralleling telecom lines of BSNL under Single Line to Ground fault condition are enclosed at Annex-I. The screening factors, as applicable have been considered. North Western Railway vide ref (iii) has intimated that there is no railway track within the vicinity of 8 km from the proposed power line. Hence, IV calculation for Block and telecommunication circuits of North Western Railway is not required. Defense has accorded NOC vide above ref. (iv) for the proposed line (a copy enclosed at Annex-II).

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

Encl.: As above.

उपेन्द्र कुमार
09.10.2020
(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.

MIC

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

Case No. : CEA/RAJ-642

Annexure I
 Toposheet Scale : 1cm=500mts
 Total Length : 56.595 Kms
 S.R Value : 15,000 Ohm-cm

Name of the Power Line: 220 KV D/C Akal- Jaisalmer-2 (ICB-7) Line

Sl. No.	Name of Telecom Line	LOP in Kms	MC in Ohms	Fault Current (Amps)	IV in Volts
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BSNL					
Reference No. DET/PTCC/ND/DV-9519/Raj-1229/2018-19/ Date : 17.08.2020					
BSNL Details					
1	Point AP 11 to AP-12	} IV	less	than	430V
2	Point AP-51 to AP-52				

Jay

तंत्राध्यक्ष / TANUUNUJ
 भारत सरकार - I/ASST. Dir. (In-charge)
 तंत्राध्यक्ष / Ministry of Telecom. E.A.
 भारत सरकार / Ministry of Telecom. E.A.
 नया दिल्ली / Govt. of India
 New Delhi-68

Tele : 23019746

RAJ-5-11

(Annex-II) No. 1111

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


B/46937/Sigs 7(b)/1661/

06 Jul 2019

O/o 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 D/C AKAL-JAISALMER-2 (ICB-7) LINE

1. Ref your letter No RVPN/XEN (PTCC)/JPR/F.1852-A/D.38 dt 13 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 information.