



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/RAJ – 605 & 606/ 316-318

Date: 18.03.2019

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 765 kV D/C Ajmer - Bikaner Transmission Line associated with green energy corridor (ISTS)

- Ref:** (i) BSNL letter no. DET/PTCC/ND/DV-9356/Raj-172/2018-19/16 dated 12.12.2018
(ii a) Northern Western Railway letter no. SG/158/NWR/PTCC/675 dated 19.12.2017
(ii b) Northern Western Railway letter no. SG/158/NWR/PTCC/677 dated 10.01.2018
(iii a) Defense letter no. B/46937/Sigs 7(b)/707/ dated 09.01.2018
(iii b) Defense letter no. B/46937/Sigs 7(b)/696/ dated 21.10.2017

Sir,

The low frequency induction on BSNL and Railway Telecommunication circuits as per details furnished vide above cited references (i) and (ii – a&b) respectively has been examined. The Average Soil Resistivity value has been taken as 15000 Ohms-cm, as per data submitted by Power Authority. Voltages likely to be induced on paralleling BSNL Telecom Cables and Railway Telecommunication circuits under single line to ground fault condition are enclosed at Annex-I & II-A&B respectively. The screening factors as applicable have been considered. Defense has accorded NOC vide above Ref.(iii-a&b) for the above line (a copy enclosed at Annex-III- A&B).

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

Encl.: As above

Yours faithfully,

MLC

(Naresh Bhandari) 18/3
Chief Engineer

Copy to:

- 1) Dy. CSTE, North Western Railway, Head Quarter Office, Room No. 136, First Floor, Near Jawahar Circle, Jaipur – 302017. (Rajasthan) (With Annex – II A&B only)
- 2) DGM, PGCIL, 765/400/220 kV Sub-Station(Const.) 6 B-41, Jai Narayan Vyas Colony, Bikaner - 334001. (Rajasthan)

ANNEX - III A

Tele : 23019746

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


B/46937/Sigs 7(b)/707/

09 Jan 2017

✓ Chief Manager
Power Grid Corporation of India Ltd
B-703, Pragati Nagar
Kotra Awasiya Yojna, Kotra
Ajmer, Rajasthan - 305004

**PTCC CLEARANCE FOR 765KV D/C AJMER – BIKANER
TRANSMISSION LINE PART- I & II) OF POWER GRID
ASSOCIATED WITH GREEN ENERGY CORRIDOR ISTS- PART D**

1. Reference your letter No NI/AJMER/AB-TLC/PTCC/ dated 09 Nov 2017.
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheets received under your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.


(Naimie Sharma)
Lt Col
GSO 1 (Comn)
for SO-in-C

Tele : 23019746

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

B/46937/Sigs 7(b)/696/

21 Dec 2017

✓ Dy General Manager
 Power Grid Corporation of India Ltd
 765/400/200 KV, Sub Station (Const),
 6B- 41, Jai Narayan Vyas Colony
 Bikaner - 334001

Om
 1/11/18

**PTCC CLEARANCE FOR 765 KV D/C AJMER - BIKANER
 TRANSMISSION LINE (PART III & IV) ASSOCIATED WITH GREEN
 ENERGY CORRIDORS ISTS (PART C&D)**

1. Reference your letter No NR-1/BKN/PTCC/ dated 02 Nov 2017.
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheets received under your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.

Nainee
 (Nainee Sharma)
 Lt Col
 GSO 1 (Comn)
 for SO-in-C

Copy to :-

Director, PTCC, CEA - For information.
 NREB Complex
 18A, Shaheed Jeet Singh Marg
 Katwaria Sarai, New Delhi - 110016

NOC

→ *MAST (TL)*