



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/GUJ-758/280

Date: 08.07.2020

Subject: - PTCC proposal for 220 kV D/C Motipaneli-Sardargadh Transmission line -Reg.

References: -

- | | |
|---|-------------------|
| (i) GETCO Ref. No. CE (Project)/EE (Tr.-3.)/3282 | Dated: 26.03.2018 |
| (ii) BSNL Ref. No. IC/MBI/PTCC/GUJ-2535 | Dated: 20.12.2018 |
| (iii) Western Railway Ref. No. SG.158/28/12 (1009) | Dated: 04.06.2018 |
| (iv) Defense letter Ref. No. B/46937/Sigs 7(b)/1074 | Dated: 31.07.2018 |

The PTCC proposal submitted vide ref. (i) has been examined. The LF induction on telecom cables of BSNL and Block & Telecom circuits of Western Railway with respect to details furnished vide above references (ii) and (iii) respectively has been computed. The Soil Resistivity (SR) value has been taken as 5,000 Ohm-cm. The voltages likely to be induced on paralleling telecom cables of BSNL and Block & Telecom circuits of Western Railway under Single Line to Ground fault condition are enclosed at Annex-I and Annex-II respectively. The screening factors, as applicable, have been considered. Vide ref. (iv) above, Defense Authority have issued No Objection Certificate (NOC) (a copy enclosed as Annex-III).

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

Encls.: As above.

Upendra Kumar
08/07/2020
(Upendra Kumar)
Chief Engineer

To,
Divisional Engineer (PTCC), Inspection Circle,
Bharat Sanchar Nigam Limited (BSNL),
3rd Floor, D-Wing, BSNL Admin Building
Juhu Tara Road, Santacruz (West), Mumbai-400054

M/C

Copy to:

1. GM (S&T), Western Railway, Office of CSTE, S&T Dept., 5th Floor, Station Building, Church gate, Mumbai-400020 (with Annexure-II).
2. Chief Engineer (Project), Gujarat Energy Transmission Corporation Ltd. Sardar Patel Vidyut Bhavan, Race Course, Vadodara, Gujarat-390 007.

ANNEXURE - II

Case No.: GUJ-758 Name of the Power line: 220 kV D/C Motipaneli-Sardargadh Transmission line			Map Scale : 1cm=500mts Total Length : 35.536 Rkm. 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.

WESTERN RAILWAY					
Ref. No: SG. 158 / 28 / 12 (1009)			DATED: 04.06.2018		
Affected Blocks & Telcom Circuits Details					
1	Bhayavadar-Jam jodhpur	0.5	0.0002	10000	2



401-758

Tele : 23019746

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

SI/46937/Sigs 7(b)/1074 /

31 Jul 2018

Gujarat Energy Transmission Corporation Ltd.
Chief Engineer (Project)
Sardar Patel Vidyut Bhavan,
Race Course, Vadodara-390 007

**SUBMISSION OF PROPOSAL FOR HV/EHV TRANSMISSION LINE OF GETCO
FOR PTCC APPROVAL FOR 220KV D/C MOTIPANELI - SARDARGADH LINE**

- 1 Reference your letter No CE(Project)/EE (Tr-3)/ 3242 dt 26 Mar 2018 (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

[Handwritten Signature]
 (A Rawat)
 Maj
 GSO 1 (Contg)
 for SO-in-C

Copy to

Director(PTCC)
Central Electricity Authority
Power Communication Development Division
NRPC Complex, 19 A, Shaheed Jeeb Singh S Marg
Kalyana Sarai, New Delhi - 110016

For information.

CE (ENGG) GM (Engrg)
 ACE (R&C) ACE (Proj)
 EE (TR-INT) EE (ENGG)
24 SEP 2018
 SE (Proj)
 SE (Civl) L.O.