



## भारत सरकार Government of India विद्युत मंत्रालय Ministry of Power केन्द्रीय विद्युत प्राधिकरण Central Electricity Authority विद्युत संचार विकासप्रभाग

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) 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

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### Copy to:

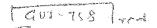
 GM (S&T), Western Railway, Office of CSTE, S&T Dept., 5th Floor, Station Building, Church gate, Mumbai-400020 (with Annexure-II).

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

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	PTCC) Office Case No. 2535		Map scale- 1 Cms = 500 Meters					
	ay Office Case No.		Route Lengtle SSSS KMS					
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ANNEXURE - II **Map Scale** : 1cm=500mts Case No.: GUJ-758 Total Length: 35.536 Rkm. Name of the Power line: 220 kV D/C Motipaneli-S.R. Value : 5,000 Ohms-cm Sardargadh Transmission line **Effective** Length of Parallelism Mutual Fault I.V Coupling current in S.No. Telecom. Details in Km. in Ohms. in Amps. Volts.

ŀ	RN RAILWAY SG. 158 / 28 / 12 (1009)			DATED: 0	94.06.2018
Affected	 d Blocks & Telcom Circuits Details				
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Tele: 23019746

Officerorate General of Signals Signals 7 General Staff Branch Integrated HQ of MoD, (Army) DHQ PO, New Delbi – 110011

9/46937/Sign 7(b)/1074 /

31 Jul 2018

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

# SUBMISSION OF PROPOSAL FOR HVIEHV TRANSMISSION LINE OF GETCO FOR PTGC APPROVAL FOR 220KV D/G 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.

rA Rawati

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GSO 1 (Contri) for 5 O-in-C

### Copy to -

Orector(PTCC)
Central Electricity Authority
Power Communication Development Division
NRPC Complex 18 A. Shaheed Jeet Singh S. Marg.
Katwana Sarai, New Deihi — 110016

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