



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-764/ 528-530

Date: 15.09.2020


Subject: Induced Voltage calculation in respect of PTCC proposal of 220 kV S/C Kasor - Vartej line LILO at 400 kV Pachcham S/S (Village Fedara).

Ref: (i) GETCO letter no. CE(Project)/EE (Tr.-3)/322 dated 12.07.2018
(ii) BSNL letter no. IC/MBI/PTCC/GUJ-2661 dated 03.06.2019
(iii) Western Railway letter no. SG.158/28/12/ (983) dated 07.06.2019
(iv) Defense letter no. B/46937/Sigs 7(b)/1207/ dated 30.10.2018

GETCO submitted the subject proposal vide above cited reference (i). The low frequency induction on BSNL and Railway Telecommunication circuits as per details furnished vide above cited references (ii) and (iii) respectively has been examined. The Soil Resistivity value has been taken as 3200 Ohms-cm, as per data submitted by the 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 respectively. The screening factors as applicable have been considered. Defense has accorded NOC vide above Ref.(iv) for the above line (a copy enclosed at Annex-III).

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

Encls.: As above.


15.09.2020

(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.

Tel: 23012146

Directorate General of Signals
Signals ?
General Staff Branch
Integrated HQ of MoC, Army
DHD PO, New Delhi - 110016


B-3337/Sig/Tr-3/101

15/ Oct 2018

Chief Engineer (Project)
Gujarat Energy Transmission Corporation Ltd
Sardar Patel Vidyalaya Bhawan
Race Course, Vadodra - 390007

SUBMISSION OF PROPOSALS FOR HVEHV TRANSMISSION LINES OF GETCO FOR PTCC APPROVAL OF 220 KV S/C KASOR-BOTAE AND 220 KV S/C KARAMSAD (NOW DHUYARAN)-VARTEL LINE LILO AT 400 KV PACHGHAM S/S VILLAGE-FEDARA TA-DHANDHUKA DIST. AHMEDABAD ON W/C TOWER ACSE ZEBRA CONDUCTOR

1. Ref your letter no OE (Project)/EE (Tr-3)/322 dt 12 Jul 2018 (copy att).
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.


(A. Rawat)
Maj
GSO 1 (Comm)
for SO-In-C

Enclosures : (As above)

Copy to:-

The Director (PTCC), OEA
Power Communication Development Division
NRPC Complex, 13-A Shaheed Jeeb Singh Marg
Kirti Khand Sarai, New Delhi - 110016

for information.