



सत्यमेव जयते

**भारत सरकार**  
**Government of India**  
**विद्युत मंत्रालय**  
**Ministry of Power**  
**केन्द्रीय विद्युत प्राधिकरण**  
**Central Electricity Authority**  
**विद्युत प्रणाली संचार विकास प्रभाग**  
**Power System Communication Development Division**

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<b>CEA Case No. : GOA-04</b>		
<b>PTCC proposal of 400 kV D/C Xeldem (New) Dharbandora – Mapusa transmission line - Regd.</b>		
<b>S. No</b>	<b>Reference No.</b>	<b>Dated</b>
(i)	CEA Letter : CEA/PCD/PTCC/GOA-1/215-217	19.02.2019
(ii)	BSNL: IC/MBI/PTCC/MRA-2390/04	10.12.2018
(iii)	BSNL RAC: Insp. & QA/MBI/PTCC/MRA-2390	27.03.2019
(iv)	GTTPL : GTTPL/TL/PTCC/23-24/48	04.08.2023
(v)	CEA Letter: I/34235/2024	05.03.2024
(vi)	BSNL: IC/MBI/PTCC/MRA-Goa/01	05.06.2024

The Induced Voltage Calculations for subject PTCC proposal have been issued vide above reference (i) considering the telecom details submitted by BSNL vide reference (ii). Subsequently, BSNL has issued the RAC for subject cited line vide above reference (iii).

Now M/s GTTPL vide reference (iv) above has intimated that as per the directions of Hon'ble Supreme Court, relocation of substation from Xeldem (Sangod) to Dharbandora and re-alignment of 400 kV Xeldem – Mapusa transmission line has to be done. Accordingly, M/s GTTPL has requested for PTCC route approval for the revised route.

Vide above reference (v), PSCD Division, CEA requested BSNL for ascertaining the status (active or inactive) of previously submitted telecom assets and marking of new assets, if any in the vicinity of modified route. BSNL has given the status of previously marked telecom assets (active/inactive) vide above reference (vi). After examining the same, it has been found that all the cables where induced voltages were greater than 430V were emanating from Telephone exchanges that has been marked as inactive (Poira Exchange, Sakvorda Exchange, Velgam Exchange).

EPR Zones for proposed substations are mentioned below.

Name of the proposed SS	Half Diagonal Distance, D/2 (mts)	Fault Current, I (k A)	Resistance of earthmat, R (Ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7 kV	d (mts) at 10 kV
220kV Xeldom(New) SS, Dharbandora	125.66	6	1.07	1750	1115	NA	NA

As per the details submitted by BSNL vide reference (vi) above, no telephone exchanges are falling in the EPR zone of the proposed substation.

Taking above into consideration, necessary action for issuance of PTCC route approval for the modified route may be taken under intimation to this office.

Encl.: As above

**Chief Engineer**

**To,**

1.	Divisional Engineer (PTCC), Western Zone	QA & Inspection circle, 1 <sup>st</sup> floor, D- wing, BSNL Admin Bldg., Junu Tara Road, Santacruz (West), Mumbai-400054	
2.	Project Manager	M/s GTTPL, DLF Cyber Park, Tower – B, 9 <sup>th</sup> floor, Udyog Vihar Phase – III, Sector – 20, Gurugram - 122008	Copy for Information