



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

CEA Case No. : MP-507		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV S/C transmission line from 400 kV Badi S/s to proposed 220/33 kV Unit#2 SS of M/s RUMS (Length: 1.515 km) – regd.		
S. No	Reference No.	Dated
(i)	F/RUM/2022/REP/05-059/261	15.06.2023
(ii)	RUMS E-mail:	26.03.2024
(iii)	RUMS E-mail:	29.04.2024
(iv)	BSNL: IC/MBI/PTCC/MRA-2528/03	12.07.2023
(v)	West Central Railway: WCR-N-HQ/120/PTCC/CORR/T-50	12.01.2024
(vi)	Western Railway: SG.158/28/10/L-284	30.01.2024
(vii)	Defense: B/46937/Sigs 7(b)/3462	13.03.2024

The PTCC proposal submitted vide reference (i), (ii) and (iii) have been examined. DET, PTCC (WZ) vide reference (iv), West Central Railway vide reference (v), Western Railway vide reference (vi) and DG Signals, MoD have issued No Objection Certificate (NOC) vide reference (v) (enclosed as Annexure-I).

EPR Zones for proposed substations are mentioned below.

Name of the proposed SS	Half Diagonal Distance, D/2 (mts)	Fault Current, I (kA)	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
220/33 kV Unit #2 SS of M/s RUMS	117	40	0.121	1200	754	NA	NA

As per the details submitted by BSNL vide reference (iv) above, no telephone exchange is falling in the EPR zone of the proposed substations.

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

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Western Zone	QA & Inspection circle, 1 st floor, D- wing, BSNL Admin Bldg., Junu Tara Road, Santacruz (West), Mumbai-400054	
2.	M/s RUMS	Urja Bhawan, Shivaji Nagar, Link Road No. 2, Bhopal	Copy for information