



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. : GUJ-880		
Induced Voltage (IV) Calculation for PTCC proposal of 400 kV S/C line on D/C and M/C towers from 765/400 kV Khavda Pooling Station-I to 400/33 kV 1150MW Hybrid PSS of of M/s SRPL (Length: 15 km)		
S. No	Reference No.	Dated
(i)	SRPL/Khavda/PTCC/2024/01	18.04.2024
(ii)	BSNL: IC/MBI/PTCC/GUJ-2962	25.06.2024
(iii)	Western Railway: SG.158/28/12/1386	17.05.2024
(iv)	Defense: B/46937/Sigs 7(b)/3873	11.07.2024

The PTCC proposal submitted vide reference (i) has been examined. DET (PTCC), WZ, BSNL vide reference (iii), GM (S&T), Western Railway vide reference (iv) and DG Signals, MoD vide reference (v) has given their NOC for charging the line.

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
765/400 kV Khavda Pooling Station-I	127.9	37.8	0.4	4369	2847	148	65
400/33 kV 1150MW Hybrid PSS of of M/s SRPL	121.64	37.8	0.3	3086	2001	75	16

As per the details submitted by BSNL vide above reference (ii), No Telephone exchange is falling in the EPR

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

Encl.: As above

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 Sarjan Realities Private Limited	Godrej Millenium, 5 th Floor, 9, Koregaon Park Road, Pune – 411 001	Copy for information