



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. : RAJ-728		
Induced Voltage (IV) Calculation for PTCC proposal of LILO of one circuit of 400 kV D/C Kalisindh-Anta transmission line at 400 kV Sangod S/s (5.67 km) - regd.		
S. No	Reference No.	Dated
(i)	BKTL/STSL/PTCC/8	14.10.2023
(ii)	BSNL: DET/PTCC/ND/DV-10371/Raj-1479 /2024-25	25.06.2024
(iii)	West Central Railway: WCR/N-HQ/120 PTCC-T-50-Pt-III-Case-92	05.02.2024
(iv)	Defense: B/46937/Sigs 7(b)/3619	13.03.2024

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide reference (ii) has stated that "there is no BSNL line and circuit in the periphery of 8 km of the proposed power line". West Central Railway vide reference (iii) and DG Signals, MoD vide reference (iv) has issued their No Objection certificate (NOC) for charging of the line.

EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance , D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7 kV	d (mts) at 10 kV
400 kV Sangod S/s	191.37	44.1	0.2	3734	2405	50	NA

Taking 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), Northern Zone	BSNL, O/o GM (North), QA & Inspection Circle D-Tax Building, Eastern Court, Janpath New Delhi-110001	
2.	M/s Sangod Transmission Service Limited	Village Jogdi, Sangod-Khanpur road, Sangod, Kota	For information