

I/31008/2023



सत्यमेव जयते



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

CEA Case No. : GUJ-859		
Induced Voltage (IV) calculation for PTCC proposal of 400 kV S/C transmission line on D/C tower from 1250 MW Solar Power Project S/s (PSS-2) of AREH4L to Khavda PS- 1 (KPS-1) (5.023 km)		
S. No	Reference No.	Dated
(i)	AREH4L/KHAVDA/PTCC/2023/02	21.06.2023
(ii)	BSNL: IC/MBI/PTCC/WGJ-130820235166-020620234977-010920224216-090820235178-190920235180-190920235179-130820235165-010920235208-130820235167-190920235290	19.09.2023
(iii)	Western Railway: SG.158/28/12/1336	10.07.2023
(iv)	Defense: B/46937/Sigs 7(b)/3420	01.09.2023

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide reference (ii) has intimated that No exchange or mobile tower BTS is available in power line corridor. GM (S&T), Western Railway vide reference (iii) has stated that Western Railways's lines are out of 8 Km area of proposed power line. DG Signals, MoD, vide above 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 7kV	d (mts) at 10kV
AREH4L 1250 MW Solar Power S/s	122	37.8	0.3	3095	2006	76	16
Khavda Pooling Station -1	127.9	37.8	0.4	4369	2847	148	65

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

Taking above into consideration, necessary action regarding issuance of PTCC approval for the subject cited transmission line may be taken under intimation to this office.

Encl.: As above

Director

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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 Adani Renewable Energy Holding Four Ltd.	Adani Corporate House, Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad – 382 421	Copy for information