

I/30979/2023



सत्यमेव जयते


 एकस्य कुटुम्बकम्  
 ONE EARTH - ONE FAMILY - ONE FUTURE

**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-853		
Induced Voltage (IV) calculation for PTCC proposal of 400 kV S/C transmission line on D/C tower from Khavda PS (KPS-1) to 1000 MW Solar power Project S/s of AREH4L (2.617 km)		
S. No	Reference No.	Dated
(i)	AREH4L/KHAVDA/PTCC/2023/01	18.05.2023
(ii)	BSNL: IC/MBI/PTCC/WGJ-130820235166-020620234977-010920224216-090820235178-190920235180-190920235179-130820235165-010920235208-130820235167-190920235290	19.09.2023
(iii)	Western Railway: SG.158/28/12/1322	23.05.2023
(iv)	Defense: B/46937/Sigs 7(b)/3378	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 1000 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**

I/30979/2023

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.	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