

I/33878/2024



सत्यमेव जयते

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-857		
Induced Voltage (IV) calculation for PTCC proposal of 400 kV D/C line from Main Receiving Substation(MRSS) to Kutch Copper Limited (KCL) S/S (6.579 km)- regd.		
S. No	Reference No.	Dated
(i)	Adani: MUL/Mega/PTCC-001	29.05.2023
(ii)	Email: Earth Mat Design Parameters	16.02.2024
(iii)	BSNL: IC/MBI/PTCC/GUJ-WGJ220120245527/WGJ220120245528/WGJ060220245556	12.02.2024
(iv)	Western Railway: SG. 158/28/12/1324	07.06.2023
(v)	Defense: B/46937/Sigs 7(b)/3394	01.09.2023

The PTCC proposal submitted vide reference (i) & (ii) has been examined. BSNL and Western Railway have issued No Objection Certificate (NOC) vide reference (iii) and (iv) respectively. 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 kV KCL SS	56.2	28	0.17	566	355	NA	190.15

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

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.	MPSEZ Utilities Limited	Adani House, 1 st Floor, APSEZ Mundra, Kutch, Gujrat-370421

Signals - 7
General Staff Branch
Integrated HQ of MoD, (Army)
DHQ PO, New Delhi - 110011

405-857

B/46937/Sigs 7(b)/3394

01 Sep 2023

MPSEZ Utilities Limited
Adani House, 1st Floor
APSEZ Mundra, Dist-Kutch
Gujarat, PIN-370421

PTCC ROUTE APPROVAL FOR LAYING OF 400KV D/C KCL TO MRSS T/L UNDER MUL MEGA POWER PROJECT

1. Refer your letter No MUL/Mega/PTCC-001 dt 29 May 2023 (copy att).
2. **No Objection Certificate (NOC) is accorded** based on inputs provided as per Map sheets received vide your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.

(SK Sharma)
Lieutenant Colonel
General Staff Officer Grade 1 (Communication)
for Additional Director General (Telecommunication)

Enclosures : As above

Copy to :-

✓ The Director (PTCC), CEA
Power Communication Development Division
NRPC Complex, 18-A Shaheed Jeet Singh Marg
Katwaria Sarai, New Delhi - 110016

- for information

The DET(PTCC), Northern Zone
Bharat Sanchar Nigam Limited
O/o PGM (North), QA & Inspection Circle,
D-Tax Building, Eastern Court, Janpath
New Delhi-110001

Central Electricity Authority
PCD Division
Diary No. 840
Date 29/9/23

Sh. Anurag (DD)
29/9

PPU-31812
05/10
Sh. Parateek