



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-886		
Induced Voltage (IV) Calculation for PTCC proposal of 765 kV D/C line from Khavda PS-1 (KPS-1) to Khavda PS-2 (KPS-2) (Length: 21.36 km)		
S. No	Reference No.	Dated
(i)	KPS1/PTCC/NOC/2024/58 (received on 20.05.2024)	27.04.2024
(ii)	BSNL: IC/MBI/PTCC/GUJ-2976	03.09.2024
(iii)	Western Railway: SG.158/28/12/1395 (received via e-mail on 12.11.2024)	06.06.2024
(iv)	Defense: B/46937/Sigs7(b)/3945	16.07.2024

The PTCC proposal submitted vide reference (i) has been examined. DET, PTCC (WZ), BSNL vide reference (ii), GM, S&T, Western Railway vide reference (iii) and DG Signals, MoD vide above reference (iv) have issued their No Objection Certificate (NOC) for charging of 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
Khavda Pooling Station -2	199.8	37.8	0.01	NA	NA	NA	NA
Khavda Pooling Station -1	127.9	37.8	0.4	4369	2847	148	65

As per the details submitted by BSNL, No Telephone exchange is falling within the EPR zone of proposed substation

Taking above into consideration, necessary action for issuance of PTCC route approval (RAC) shall be taken under intimation to this office in the stipulated period as specified in PTCC Manual and subsequent CLPTCC meetings.

As per the decision taken in 111th and 112th CLPTCC meeting, necessary instructions for "Deemed Energization approval" shall be specified while issuing RAC.

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 KPS1 Transmission Limited	2 nd floor, Niryat Bhawan, Rao Tularam Marg, Vasat Vihar, New Delhi – 110 057	Copy for information

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

B/46937/Sigs 7(b)/3945/

16 Jul 2024

✓
KPS 1 Transmission Limited
2nd Floor, Niryat Bhawan, Rao Tularam Marg
Vasant Vihar, New Delhi-110057, India

**TRANSMISSION SCHEME FOR INJECTION BEYOND 3GW RENEWABLE
POWER AT KHAVDA POOLING STATION-1 (KPS-1)- APPLICATION FOR NOC
FOR PTCC CLEARANCE FOR 765KV D/C KPS1-KPS2 TRANSMISSION LINE**

1. Refer your letter No KPS1/PTCC/NOC/2024/58 dt 27 Apr 2024 (copy att).
2. **No Objection Certificate (NOC) is accorded** based on inputs provided as per Map sheet received vide your letter mentioned above.
3. Documens alongwith map sheets (in original) are returned herewith for your further necessary action.

(Puneet Lakhanpal)
Lieutenant Colonel
General Staff Officer Grade 1 (Communication)
for Additional Director General (Telecommunication)

Enclosures : As above

Copy to :-

Chief Engineer, PSCD Division
Central Electricity Authority
Room No 702 (North Wing)
Sewa Bhawan, R.K. Puram, Sector-1
New Delhi-110066

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

- for information