



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

CEA Case No. : GUJ-871		
Induced Voltage (IV) calculation for PTCC proposal of 765kV D/C line from Khavda Pooing Station -3 (KPS3) to Khavda Pooing Station -2 (KPS2) in Khavda RE Park (14.962 km)- regd.		
S. No	Reference No.	Dated
(i)	PGCIL: TBCB/POWERGRID KPS3 TL/PTCC/24-03	05.01.2024
(ii)	BSNL: IC/MBI/PTCC/WGJ220120245527	12.02.2024
(iii)	Western Railway: SG.158/28/12/1369	11.01.2024
(iv)	Defense: B/46937/Sigs 7(b)/3675	09.04.2024

The PTCC proposal submitted vide reference (i) has been examined. DET,PTCC (Mumbai) and Western Railway have issue NOC vide above reference (ii) and (iii) respectively.

Vide reference (iv) above, DG Signals, MoD has issued No Objection Certificate (NOC) (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
765/400kV KPS3 SS	205.43	63	0.009	65	NA	NA	NA
765/400kV KPS2 SS	199.81	63	0.0095	78	NA	NA	NA

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 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.	Chief Manager(PGCIL)	765/400/220kV Bhuj Pooling SS, Village-Palanpur, Taluka-Nakhtrana, Distt.- Kutch	Copy for information

Annexure I

E-mail: webstar@nic.in

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


B/46937/Sigs 7(b)/3675/

09 Apr 2024

Chief Manager
Powergrid KPS3 Transmission Limited
765/400/220KV Bhuj Pooling Substation
Village-Palanpur (Badi), Taluka-Nakhtrana
Distt-Kutch (Gujarat), PIN-370 001

PTCC PROPOSAL FOR CONSTRUCTION OF KPS3-KPS2 765KV D/C TRANSMISSION LINE ASSOCIATED WITH "ESTABLISHMENT OF KHAVDA POOLING STATION-3 (KPS3) IN KHAVDA RE PARK"-MARKING OF DEFENCE TELECOM DETAILS

1. Refer your letter No TBCB/POWERGRID KPS3 TL/PTCC/24-02 dt 05 Jan 2024 (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.


(Puneet Lakhanpal)
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

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