

I/25744/2023



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. : KNK-1013		
PTCC approval for 220 kV LILO line on MC towers from the existing 220 kV SC Haveri – Narendra line to the proposed 220/110 kV R/S at Shiggaon (Ganjigatti village) in Shiggaon Taluk, Haveri District (3.021 km)		
S. No	Reference No.	Dated
(i)	KPTCL: CEE/SLDC/PTCC/F-3472/6085-93	15.10.2022
(ii)	KPTCL: Email	16.01.2023
(iii)	BSNL: SR-PTCC/SKT4366/4	11.01.2023
(iv)	South Western Railway: SG/SWR/PTCC/F-3472/2442	27.12.2022
(v)	Defense: B/46937/Sigs 7(b)/3079	22.12.2022

The PTCC proposal submitted vide reference (i) & (ii) has been examined. The LF induction on communication circuits of BSNL with respect to details furnished vide above reference (iii) have been computed. The voltage likely to be induced on paralleling communication cables of BSNL under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors as applicable have been considered. South Western Railway and Defense have issued No Objection Certificate (NOC) vide above references (iv) and (v) respectively. A copy of Defense NOC is enclosed at Annexure-II.

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
220/110 kV Shiggaon	138.02	28	0.22	1839.19	1169.98	NIL	NIL

As per the details submitted by BSNL vide above reference (iii), no exchanges are coming within 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), Southern Zone	BSNL, Inspection Circle, 1st Floor, Raj Bhavan Exchange No. 26, Sardar Patel Road, Guindy, Chennai-600032	
2.	Chief Engineer, Electricity	KPTCL, State Load Despatch Centre, #28, R.C. Cross Road, Bangalore - 560009	Copy for information

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ANNEXURE-I

CEA Case No.: KNK-1013		Map Scale : 1 cm = 500 m			
Name of the Power line: 220 kV LILO line on MC towers from the existing 220 kV SC Haveri – Narendra line to the proposed 220/110 kV R/S at Shiggaon (Ganjigatti village) in Shiggaon Taluk, Haveri District		Total Length : 3.021 km			
		S.R. Value : 30000 Ohm-cm			
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
BSNL: SR-PTCC/SKT4366/4 Dated 13.01.2023					
Shiggaon Telephone Exchange Cables					
1	Shiggaon Telephone Exchange to Manakatti Cross (C-C1)	3	0.0562	9573	538
2	Shiggaon Telephone Exchange to Mallur (C-C1-C2)	3	0.0562	9573	538
3	Shiggaon Telephone Exchange to Manakatti (C-C1-C3)	3	0.0562	9573	538
4	Shiggaon Telephone Exchange to Ganginur (C-C4)	Out of parallelism			
5	Shiggaon Telephone Exchange to Kamanahalli (C-C5)				
6	Shiggaon Telephone Exchange to Pillar-23 (C-C6)				
7	Shiggaon Telephone Exchange to Philler-22 (C-C7)				

B/40937/Sigs 7(h)/3079/

22 Dec 2022

Office of the Chief Engineer Electricity,
Karnataka Power Transmission Corporation Limited
State Load Despatch Centre,
28, Race Course Cross Road,
Bengaluru - 560 009

**PTCC PROPOSAL FOR CONSTRUCTION OF 220KV LILO LINE ON MC TOWERS
FROM EXISTING 220KV SC HAVERI-NARENDRA LINE TO THE PROPOSED
220/110KV RS AT SHIGGAON (GANJIGATTI VILLAGE) IN SHIGGAON TALUK
HAVERI DISTRICT**

1. Refer your letter No CEE/SLDC/PTCC/F-3472/-6085-93 dt 15 Oct 2022 (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)
Lt Col
GSO 1 (Comn)
for Offg ADG T

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

