

I/26125/2023



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. : KNK-1018		
PTCC approval for regularization of 220 kV S/C line on D/C towers from existing 400 kV PGCIL substation Hiriyur (Beerenahalli) to existing 220/66/11 kV SRS at Hiriyur in existing corridor of 220 kV S/C line from Hoyasalakatte to 220/66/11 kV SRS at Hiriyur (Partly in new corridor i.e. from PGCIL point to link 220 kV S/C line from Hoyasalakatte to 220/66/11 kV SRS at Hiriyur) (15.149 km) – regd.		
S. No	Reference No.	Dated
(i)	KPTCL: CEE/SLDC/PTCC/F-3481/6414-21	04.11.2022
(ii)	KPTCL: CEE/SLDC/PTCC/CEA/F-3481 & F-3482/8031-32	29.12.2022
(iii)	KPTCL: Email	30.12.2022
(iv)	South Western Railway: SG/SWR/PTCC/F-3481/2451	27.12.2022
(v)	This Office: Letter of even no.	30.12.2022
(vi)	BSNL: SR-PTCC/SKT 4374/05	29.12.2022
(vii)	Defense: B/46937/Sigs 7(b)/3104	03.01.2023

Further, to this office letter cited at S. No. (v) above, the LF induction on telecom cables of BSNL with respect to details furnished vide above reference (vi) have been computed. The voltage likely to be induced on paralleling telecom cables of BSNL under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors as applicable have been considered. Vide reference (iv) above, South Western Railway has already issued No Objection Certificate (NOC). Vide reference (vii) above, DG Signals, MoD has issued No Objection Certificate (NOC) (enclosed as Annexure-II).

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-1018					
Name of the Power line: regularization of 220 kV S/C line on D/C towers from existing 400 kV PGCIL substation Hiriyur (Beerenahalli) to existing 220/66/11 kV SRS at Hiriyur in existing corridor of 220 kV S/C line from Hoyasalakatte to 220/66/11 kV SRS at Hiriyur (Partly in new corridor i.e. from PGCIL point to link 220 kV S/C line from Hoyasalakatte to 220/66/11 kV SRS at Hiriyur)		Map Scale : 1 cm = 500 m Total Length : 15.149 km S.R. Value : 25000 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 Letter No: SR-PTCC/SKT 4374/05 Date: 29.12.2022					
I A	HIRIYUR TELEPHONE EXCHANGE				
1	Exge to Huliyar Road (A-A1)	0.6	0.0009	5556	5
2	Exge to TB Circle (A-A2)	1.6	0.0042	5952	25
3	Exge to TT Road (A-A3)	1.3	0.0029	7241	21
4	Exge to LIC Office (A-A4)	1.9	0.0037	7027	26
5	Exge to Lakkavvanahalli (A-A5)	1.6	0.0046	6304	29
II B	ADIVALA TELEPHONE EXCHANGE				
1	Exge to Patrehalli (B-B1)	Out of parallelism			
2	Exge to Adivala Village (B-B2)				
E	VANIVILASAPURA GSM BTS				
F	NH4 GSM BTS				
G	ALUR GSM BTS				
H	UDUVALLI GSM BTS				
I	HALEYALANADU GSM BTS				
J	MYAKLURUHALLI GSM BTS				
IV not required					

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Tele : 23019746

Directorate General of Signals

Signals 7

General Staff Branch

Integrated HQ of MoD, (Army)

DHQ PO, New Delhi - 110011

KNK-1018

B/46937/Sigs 7(b)/3104/

03 Jan 2023

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 REGULARISATION OF 220KV SC LINE ON DC TOWERS
FROM EXISTING 400KV PGCIL STATION HIRIYUR (BEERENAHALLI) TO
EXISTING 220/66/11KV SRS AT HIRIYUR IN CHITRADURGA DISTRICT IN
EXISTING CORRIDOR OF 220KV SC LINE FROM HOYASALAKETTE TO
220/66/11KV SRS AT HIRIYUR**

1. Refer your letter No CEE/SLDC/PTCC/F-3481/-6414-21 dt 04 Nov 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

(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

- 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

AD - PS Sharma & Jy
16/1/23

