

I/25481/2022



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-1014		
PTCC approval for regularization of 220 kV S/C line (on D/C towers and partly M/C towers) from existing 220/66 kV substation Chitradurga to existing 400/220 kV PGCIL substation Hiriur (Beerannahalli) (45.687 km)		
S. No	Reference No.	Dated
(i)	KPTCL: CEE/SLDC/PTCC/F-3482/6361-69	03.11.2022
(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-3482/2452	15.12.2022

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on communication circuits of South Western Railway with respect to details furnished vide above reference (iv) have been computed. The voltage likely to be induced on paralleling communication cables of South Western Railway under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors as applicable have been considered.

Telecommunication details from BSNL and Defense are awaited.

Vide reference (ii) and (iii) above, KPTCL has informed that commissioning of the subject line, which is being implemented under GEC-Ph-I Scheme with 31.12.2022 as fixed timeline for completion, is held for the want of PTCC clearance. KPTCL has requested for provisional PTCC clearance so that the transmission line can be commissioned within the target date.

Taking above into consideration, necessary action for issuance of provisional PTCC route approval may be taken under intimation to this office. The LF induction on telecom circuits of BSNL and Defense will be communicated after receipt of respective details.

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	With a request to provide details of Telecom assets/ NOC at the earliest for IV calculation and issuance of final RAC.
2.	PCSTE	South Western Railway, Rail Soudha, Gadag Road, Hubballi - 20	Annexure-I
3.	Chief Engineer, Electricity	KPTCL, State Load Despatch Centre, #28, R.C. Cross Road, Bangalore - 560009	Copy for information
4.	Director General of Signals	General Staff Branch, Integrated HQ, MoD (army), Sena Bhawan, DHQ, PO, New Delhi- 110 105	With a request to provide details of Telecom assets/ NOC at the earliest for IV calculation and issuance of final RAC.

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ANNEXURE-I

CEA Case No.: KNK-1014 Name of the Power line: Regularization of 220 kV S/C line (on D/C towers and partly M/C towers) from existing 220/66 kV substation Chitradurga to existing 400/220 kV PGCIL substation Hiriyur (Beerenahalli)			Map Scale : 1 cm= 500 m Total Length : 45.687 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.
South Western Railway: SG/SWR/PTCC/F-3482/2452 Dated 15.12.2022					
<u>Affected Block & Telecom Circuits</u>					
1	Amritapura (AMC) – Haliyuru (HLV)	Out of parallelism			0
2	Haliyuru (HLV) – Chitradurga (CTA)				0
3	Chitradurga (CTA) – Balenahalli (BAHI)	6.55	0.0118	21356	252