



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. : KNK-1090		
Induced Voltage (IV) calculation in respect of PTCC proposal for Double LILO of existing 220KV Hiriyur (PGCIL) – Sira (Kallukote) at proposed 220/66KV station, Infosys Green Forum Dhyagerahalli (0.252 km)- regd.		
S. No	Reference No.	Dated
(i)	KPTCL: CEE/SLDC/PTCC/F-3715/9062-71	04.03.2024
(ii)	KPTCL: CEE/SLDC/PTCC/F-3715/9616-19	28.03.2024
(iii)	KPTCL: Email	03.04.2024
(iv)	KPTCL: CEE/SLDC/PTCC/CEA /F-3715/201-04	10.04.2024
(v)	BSNL: SR-PTCC/SKT5709/2	22.03.2024
(vi)	South Western Railway:SWR-SBC0SNT(TELH)/22/2020	23.03.2024

The PTCC proposal submitted vide above reference (i), (ii) and (iii) has been examined.

DET, PTCC BSNL (Bangalore) and South Western Railway have issued No Objection Certificate (NOC) vide reference (iv) and (v) respectively.

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
220/66KV station, Infosys Green Forum Dhyagerahalli	181.23	28	0.11	1117	677	NA	NA

Telecommunication details from DG Signals, MoD are awaited however, vide reference (ii) and (iii) above, KPTCL has shown urgency for charging the line for load synchronization and to overcome the problem of load shedding of Southern Grid. Therefore, KPTCL has requested for provisional PTCC clearance. Vide reference (iv), KPTCL has submitted that the firm constructing the project has submitted an undertaking that in case of any impact on telecom asset/personnel of defence due to this line, remedial measures will be taken up through the firm.

Taking above into consideration, necessary action for issuance of provisional PTCC route approval may be taken under intimation to this office. LF induction on telecommunication circuits of Defense will be communicated after the receipt of details from DG Signals, MoD.

Encl.: As above



18-02/19/04/24

Chief Engineer,

To,

1.	Divisional Engineer (PTCC), Southern Zone	BSNL, Inspection Circle, 2 nd Floor, Sanchar Complex, WMS Compound, Jayanagar 5 th Block, 9 th Main, 47 th Cross, Bangalore-560041	
2.	Member(Power), KPTCL	Chief Engineer Electricity, SLDC #28, Race Course Road, Bengaluru-560009	
3.	Director General of Signals	General Staff Branch, Integrated HQ, MoD(army), Sena Bhawan, DHQ, PO, New- Delhi-110105	With a request to provide details of Telecom assets/ NOC at the earliest for issuance of Final RAC

Name of the project	Distance (km)	Power (MW)	Year of completion	Remarks
120kV station	18.25	28	0.11	
Substation				
Line				

1. Communication details from DC Signal, Madh... vide reference...
 2. KPTCL has shown...
 3. KPTCL has submitted...
 4. KPTCL has submitted...
 5. KPTCL has submitted...
 6. KPTCL has submitted...
 7. KPTCL has submitted...
 8. KPTCL has submitted...
 9. KPTCL has submitted...
 10. KPTCL has submitted...

Encl: As above