



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  
\*\*\*\*\*



No.: CEA/PCD/ PTCC/KNK-922/419-20

Date: 25.08.2020

**Subject:** PTCC proposal of 400 kV LILO line from the existing 400 kV Somanahalli – Kolar SC line in between T.No.605 & T.No.604 to proposed 400/220 kV SS at Mylasandra near Mylasandra in Bengaluru district-regd.

**Ref. :** (i) KPTCL Ref. No. CEE/SLDC/PTCC/F-2921/2642-50 Dated: 04.06.2019  
(ii) BSNL Ref. No. SR-PTCC/SKT-2467/5 Dated: 26.12.2019  
(iii) South Western Railway Ref. No. SG/SWR/PTCC/F-2921/1912 Dated: 08.07.2019  
(iv) Defense Ref. No. B/46937/Sigs 7(b)/1685 Dated: 07.08.2019

The PTCC proposal submitted vide ref. (i) has been examined. The low frequency induction on BSNL cables as per details furnished vide ref. (ii) has been examined. The Soil Resistivity value has been taken as 25,000 Ohms-cm. Voltages likely to be induced on paralleling BSNL cables under single line to ground fault condition are enclosed at Annex-I. The screening factors as applicable have been considered. Vide ref. (iii) above; South Western Railway has intimated that there is no railway line exists within the vicinity of 8 km from the proposed power line. Therefore, IV calculation is not required for South Western Railway. Defense has accorded NOC vide above ref. (iv) for this line (a copy enclosed at Annex-II).

Taking above into consideration, kindly take necessary action regarding issue of PTCC route approval.

Encl.: As above.

*Upendra Kumar*  
25.08.2020  
(Upendra Kumar)  
Chief Engineer

To,  
The Divisional Engineer (PTCC), Southern Zone,  
Bharat Sanchar Nigam Limited (BSNL),  
O/o DET (PTCC), Inspection Circle,  
1<sup>st</sup> Floor, Raj Bavan Exchange No. 26,  
Sardar Patel Road, Guindy, Chennai-600032.

Copy to :

1. Chief Engineer, KPTCL O/o Chief Engineer Electricity, State Load Despatch Centre, #28, Race Course Cross Road, Bengaluru-560009.

(Annex-I)

Case No.F-2921/SKT-2467 (FNK-922)		SSA: Bengaluru			
Name of the power line: Proposed 400 KV LLO line from the existing 400 KV Somanahalli-Kolar SC line in between T.no.604 to proposed 400/220 KV SS at Mysandra near Mysandra in Bengaluru district.					
Length:	0.379 Kms				
Average SR value : 25,000 ohm cms			Type of BSNL cable: PUF		
Sl.No.	Name of Telecom line	LOP in KMs	MC in Ohms	FC in Amps	IV in Volts
CKNR	Chennakeshvanager Exge UG Cables				
CKN	Exge to Singasandra CK-CK1	} Out of parallelism			
CKN	Exge to Novel CK-CK2				
CKN	Exge to Royal County CK-CK3				
CKN	Exge to Chikka Thogur CK-CK4				
CKN	Exge to Bharat Shell CK-CK5				
CKN	Exge to Central Jail CK-CK6				
EC	Electronics City Exge UG cables				
EC	Exge to SBI EC-EC1	} Out of parallelism			
EC	Exge to Chikka Thogur EC-EC2				
EC	Exge to Chikka Thogur EC-EC3				
HBG	Hebbagidi Exge UG cables				
HBG	Exge to KIADB HB-HB1	} Out of parallelism			
HBG	Exge to Chandapur HB-HB2				
APOT	Apotex Exge UG cables				
APOX	Exge to Sriramapura AP-AP1	} IV less than 430V			
APOX	Exge to Yelmara Mandir AP-AP2				
RH	Royal Hermitage Exge UG cables				
RH	Exge to CK Palya rd RH-RH1	} Out of parallelism			
RH	Exge to Union Bank RH-RH2				
RH	Exge to Hermitage Appts RH-RH3				
TAL	T. Alahalli Exge UG cables				
TAL	Exge to Glass Factory TA-TA1	} Out of parallelism			
TAL	Exge to Wandani Appt TA-TA2				
TAL	Exge to Amruth Nagar TA-TA3				

Tanuj  
TANUJ  
Asst. Director-II/Asst. Director-II  
विद्युत प्रविधिकार/ C.E.A.  
विद्युत विभाग/Ministry of Power  
भारत सरकार/Govt. of India  
नई दिल्ली/New Delhi-65

(Annex-II) KNK-922

Tele : 23019746

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

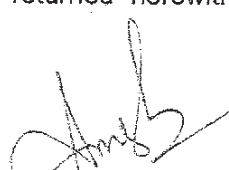
B/46937/Sigs 7(b)/1685

07 Aug 2019

Karnataka Power Transmission Corporation Limited  
Office of the Chief Engineer Electricity,  
State Load Despatch Centre,  
# 28, R.C. Cross Road,  
Bengaluru - 560 009

**PROPOSED FOR CONSTRUCTION OF PROPOSED 400KV LILO LINE FROM EXISTING  
400KV SOMANAHALLI-KOLAR SC LINE IN BETWEEN T.NO. 605 & T.NO. 604 TO  
PROPOSED 400/220KV SS AT MYLASANDRA NEAR MYLASANDRA IN BENGALURU  
DISTRICT**

1. Ref your letter No CEE/SLDC/ PTCC/F-2921/-2642-50 dt 04 Jun 2019 (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheets received under your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.

  
(Anurag Mishra)  
Lt Col  
GSO 1 (Comm)  
for SO-in-C

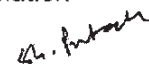
**Enclosures** : (As above)

**Copy to** :-

The Director (PTCC), CEA  
Power Communication Development Division  
NRPC Complex, 18-A Shaheed Jeet Singh Marg  
Katwaria Sarai, New Delhi - 110016

Divisional Engineer Telegraph (PTCC)  
O/o GM (North); BSNL, QA & Inspection Circle,  
CTS Compound, Africa Avenue Road,  
Netaji Nagar, New Delhi-110023

for information





1046  
218278