



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-931/507-508

Date: 07.09.2020

Subject: PTCC proposal of 220 kV LILO line on MC towers from proposed 400/220 kV S/S at Mylasandra to existing 220 kV Somanhalli- Naganathpura SC line (between Tower No. 77 and 78) in Bangalore Urban District-regd.

Ref. : (i)	KPTCL Ref. No. CEE/SLDC/PTCC/F-3011/15834-42	Dated: 24.12.2019
(ii)	BSNL Ref. No. SR-PTCC/SKT-2680/4	Dated: 05.03.2020
(iii)	South Western Railway Ref. No. SG/SWR/PTCC/F-3011/2010	Dated: 18.02.2020
(iv)	Defense Ref. No. B/46937/Sigs 7(b)/1943	Dated: 17.02.2020

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
07.03.2020

(Upendra Kumar)
Chief Engineer

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

MIC

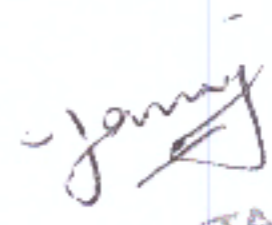
Copy to:

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


Annex - I

Case No. SRPTCC/SKT/2680		SSA : BANGALORE			
Scale: 1 : 50000					
Name of Power line : Proposed for the construction of proposed 220KV LILo line on MC Towers from proposed 400/220KV SS at Mylasandra to existing 220KV Somanahalli - Naganathpura SC Line [between Tower No.77 & 78] in Bangalore Urban District					
Length: 0.822 Kms					Type of Cable: PIJF
Average SR value : 25,000					
No	Name of telecom line	LOP in KMs	MC in Ohms	FC in Amps	IV in Volts
I JIG					
JIGANI EXGE UG CABLE					
1	Exge to Bandenasandra (JI -JI1)	}			IV less than 430V
2	Exge to Koppa Gate (JI -JI2)				
3	Exge to Harapanahalli (JI -JI3)				
4	Exge to Ramasagara (JI -JI4)				
II WC					
WEAVERS COLONY EXGE UG CABLE					
1	Exge to CK Playa Road (WC-WC1)	}			IV less than 430V
2	Exge to Union Bank (WC-WC2)				
3	Exge to Hermitage (WC-WC3)				
III APOT					
APOTEX EXGE UG CABLE					
1	Exge to Srirampura (AP-AP 1)	}			Out of parallelism
2	Exge to Velpura Mandir (AP-AP2)				
IV RBI L/O					
RBI L/O EXGE UG CABLE					
1	Exge to Jp Ngr 9 th ph, Pai L/O (RB-RB1)	}			Out of parallelism
2	Exge to Srinidhi L/o (RB-RB2)				
3	Exge to Brigade Millenium (RB-RB3)				
V GOT					
GOTTIKERE EXGE UG CABLE					
1	Humigiri Medicals (GT-GT1)	}			Out of parallelism
2	GP L/O (GT-GT2)				
3	Sai L/O (GT-GT3)				
4	Kamanahalli (GT-GT4)				
VI KNK					
KCNANAKANTE EXGE UG CABLE					
1	Ganapathipura (KNK-KN1)	}			Out of parallelism
2	Harinagar (KNK-KN2)				
3	Dk Sandra (KNK-KN3)				
VII VPN					
VISHVAPRIYA NAGAR EXGE UG CABLE					
1	Exge to D... Heights (VP-VP1)	}			Out of parallelism
2	Exge to Golden Heights (VP-VP2)				
VIII HRR					
HOSUR ROAD EXGE UG CABLE					
1	Exge to Rotary Nagar (HR-HR1)	}			Out of parallelism
2	Exge to Begur Road (HR-HR2)				
3	Exge to GarviBhavi Nagar ((HR-HR3)				
4	Exge to Kundlu Road ((HR-HR4)				
5	Exge to Novel ((HR-HR5)				
IX IIM					
IIM EXGE UG CABLE					
1	Exge to Bilakenahalli (IM-IM1)	}			Out of parallelism
2	Exge to DS Palya (IM-IM2)				

1/2


 तनुज / TANUJ
 सहायक निदेशक-II / Asstt. Director-II
 केन्द्रीय विद्युत प्राधिकरण / C.E.A.
 बिजुल मंत्रालय / Ministry of Power
 भारत सरकार / Govt. of India
 नई दिल्ली / New Delhi-110003

X CKNR	CHENNAKESAVA NAGER EXGE UG CABLE				
1	Exge to Singasandra (CK-CN1)	}	IV less than	430V	
2	Exge to Novel (CK-CN2)				
3	Exge to Royal County (CK-CN3)				
4	Exge to Chikka Thogur (CK-CN4)				
5	Exge to Bharat Shell (CK-CN5)				
6	Exge to Central Jail (CK-CN6)				
XI EC	ELECRTONIC CITY EXGE UG CABLE				
1	Exge to SBI (EC-EC1)	}	Out of parallelism		
2	Exge to Chikka Thogur (EC-EC2)				
3	Exge to Chikka Thogur (EC-EC3)				
XII HBG	HEBBAGODI EXGE UG CABLE				
1	Exge to KIADB (HB-HB1)	}	IV less than	430V	
2	Exge to Chandapur (HB-HB2)				do
XIII BNG	BANNERAGHATTA EXGE UG CABLE				
1	Exge to Laxmi pura (BN-BN1)	}	IV less than	430V	
2	Exge to Vajrahalli (BN-BN2)				
3	Exge to HakkiBikki Colony (IN PARK) (BN-BN3)				


 तनुज / TANUJ
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Tele : 23019746

(Armyex-II)

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

B/46937/Sigs 7(b)/1943

Feb 2020

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 220KV LILO LINE ON MC TOWERS
FROM PROPOSED 400/220KV SS AT MYLASANDRA TO EXISTING 220KV SOMANAHALLI-
NAGANATHPURA SC LINE [BETWEEN TOWER NO. 77 & 78] IN BENGALURU URBAN
DISTRICT**

1. Ref your letter No CEE/SLDC/ PTCC/F-3011/-15834-42 dt 24 Dec 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.



(A Rawat)
Maj
GSO 1 (Comn)
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