

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

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No.: CEA/PCD/ PTCC/KNK-919//254-255

Date: 19.06.2020

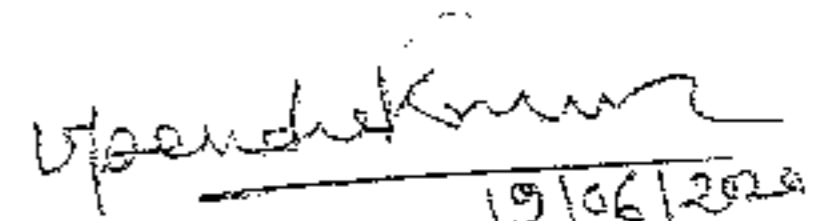
**Subject:** PTCC proposal of 220/110 kV MV/MC LILO line from existing 220 kV DC Varahi-Kemar line to proposed 220/110 kV SS at Heggunje in Udupi district - regd.

**Ref. :** (i) KPTCL Ref. No.CEE/SLDC/PTCC/F-2899/151-53 Dated: 09.04.2019  
(ii) BSNL Ref. No. SR-PTCC/SKT-2421/6 Dated: 13.11.2019  
(iii) Southern Railway Ref. No.W.384/3/3/668 Dated: 15.10.2019  
(iv) Defense Ref. No. B/46937/Sigs 7(b)/1576 Dated: 06.06.2019

The PTCC proposal submitted vide ref. (i) has been examined. The LF 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, Southern Railway has intimated that No railway circuits lie within 8 km boundary line around the proposed power line. Therefore, IV calculation is not required for Southern 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.

  
19/06/2020  
(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 :** Chief Engineer, KPTCL, O/o Chief Engineer (Electricity), SLDC, #28, Race Course Cross Road, Bengaluru-560009.

(Annexure - I)

Case No. F-2899 / SKT-2421 (KUN-015)		SSA: Mangaluru			
Name of the power line: 220/110KV MC/MP LLD line from existing 220KV DC Varahi-Kemar line to the proposed 220/110KV SS at Heggunje in Udipi District (In the existing 220KV DC, one circuit was charged on 220KV and another circuit was charged at 110KV)					
Length:	0.454 Kms				
Average SR value : 25 ohm cms			Type of BSNL cable: PIJF		
Sl.No.	Name of Telecom line	LOP in KMs	MC in Ohms	FC in Amps	IV in Volts
A	Mandarathi Exge UG cables				
1	Mandarathi Exge Exge to Shiroor Moorki (D-D2-D3-D4)				I.V less than 420V

19/06/20  
मुख्य अभियंता / Chief Engineer  
केंद्रीय विद्युत प्राधिकरण / C.E.A.  
विद्युत मंत्रालय / Ministry of Power  
भारत सरकार / Govt. of India  
नई दिल्ली / New Delhi

Tele : 23018748

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

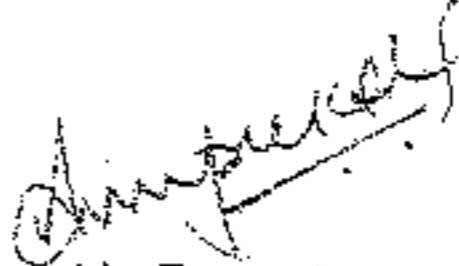
3/46937/Sigs 7(b)/1576

5 Jun 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 220/110KV MC/MV LILO LINE FROM EXISTING 220KV DC VARAHI-KEMAR LINE TO PROPOSED 220/110KV SS AT HEGGUNJE IN UDUPI DISTRICT (IN THE EXISTING 220KV DC, ONE CIRCUIT WAS CHARGED ON 220KV AND ANOTHER CIRCUIT WAS CHARGED ON 110KV)**

1. Ref your letter No CEE/SLDC/ PTCC/F-2899/-141-50 dt 09 Apr 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

for information.

