



भारत सरकार
 Government of India
 विद्युत मंत्रालय
 Ministry of Power
 केन्द्रीय विद्युत प्राधिकरण
 Central Electricity Authority
 विद्युत संचार विकास प्रभाग
 Power Communication Development Division

Case No.: KER-325 :
PTCC proposal of 220/110 kV line using narrow base Multi Circuit Multi Voltage towers from Karukadam to Kothamangalam SS (Upgradation of existing Kothattukulam to Kothamangalam 66 kV line): 3.6 km

Reference:		
S. No.	Reference No.	Dated
(i)	KSEBL: DCE(TS)/EEI/AEE1/PTCC/Kothamangalam/17-18/1355	07.09.2017
(ii)	BSNL: SR-PTCC/SKL/1925/10	18.04.2018
(iii)	Southern Railway: W.384/3/4/510 (received on 16.04.2021)	22.09.2017
(iv)	Defense: B/46937/Sigs 7(b)/1789	31.10.2019

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on telecom lines of BSNL with respect to details furnished vide above reference (ii) has been computed. The voltages likely to be induced on paralleling telecom lines of BSNL under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors, as applicable, have been considered. Southern Railway vide reference (iii), has intimated that no railway lines lies within 8 km boundary around the proposed power line and given their consent for the PTCC route approval of the proposed power line. The Defense Authority have accorded NOC vide above reference (iv) for the proposed power line (a copy enclosed as Annexure-II).

Taking above into consideration, necessary action regarding issuance of PTCC route approval may be taken.

Encl.: As above.

Signature Not Verified
Digitally signed by RAGHVENDRA
PRATAP SINGH
Date: 2021.09.08 15:01:43 IST

Director

To,

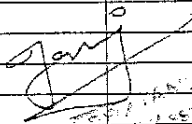
MIC

1.	Divisional Engineer (PTCC), Southern Zone.	BSNL, Inspection Circle, 1st Floor, Raj Bavan Exchange No. 26, Sardar Patel Road, Guindy, Chennai-600032	
3.	Deputy Chief Engineer (Tech)	KSEBL; O/o Chief Engineer (Transmission South), Vydyuthi Bhavanam, Pattom, Thiruvananthapuram-695004.	Copy for information

(Annexure - I)

Case No. SRPTCC/SKL/1925		SSA : Ernakulam				
Scale: 1 : 50000						
Name of Power line :- : 220/110 KV Line from Karukadom to Kothamangalam						
Length: 3.6 KMs						
Average SR value : 50,000 Ω cm						
No	Name of telecom line	LOP in KMs	MC in Ohms	FC in Amps	IV in Volts	Safe Separation Distance
Kothamangalam Exchange						
1	Exchange to Pillar 34	}				
2	Exchange to Pillar 33					
3	Exchange to Pillar 35					
4	Exchange to Pillar 36					
5	Exchange to Pillar 31					
6	Exchange to Pillar 52					
7	Exchange to Pillar 32					
8	Exchange to Pillar 51					
9	Exchange to D6173					
Kozhipilly Exchange						
1	Exchange to P 21	}				
2	Exchange to P22					
3	Exchange to P24					
4	Exchange to P31					
5	Exchange to P32					
6	Exchange to P33					
7	Exchange to P35					
Varapetty Exchange						
1	Exchange to P21	}				
2	Exchange to P31					
3	Exchange to P41					
Pothenicad Exchange						
1	Exchange to P21	}				
2	Exchange to P22					
3	Exchange to P23					
4	Exchange to P41					
5	Exchange to P42					
6	Exchange to P44					
Chelad Exchange						
1	Exchange to P21	}				
2	Exchange to P22					
3	Exchange to P23					
4	Exchange to P24					
5	Exchange to P31					
6	Exchange to P32					

IV less than 430 V


 Director
 Kerala State Electricity Board
 Thiruvananthapuram
 Kerala
 India

Tele : 23019746

Annexure-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)/1789/

Oct 2019

Kerala State Electricity Board Limited
Office of the Resident Engineer, Liaison Office
Travancore Palace, Kasturba Gandhi Marg,
New Delhi-110001

PTCC PROPOSAL FOR 220/110KV LINE FROM KARUKADOM TO KOTHAMANGALAM

1. Ref your letter No REN/2019-20/F-20 Kothamangalam-Karukadom/43 dt 26 Aug 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