



अज्ञानं
अज्ञानं महीतम्

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

CEA Case No. : KNK-955-1175
PTCC proposal of LHO of 220 kV D/C transmission line on M/C Towers from the existing 220 kV Kadakola to Chamarajanagara D/C transmission line at proposed 220/66/11 kV S/S at KIADB Industrial Area, Adakanahalli in Nanjanagudu Taluk, Mysuru District: 0.130 km

Reference:		
S. No.	Reference No.	Dated
(i)	KPTCL: CBE/SLDC/PTCC/F-3127/10798-806	07.01.2021
(ii)	BSNL: SR-PTCC/SKT-2896/4	03.10.2021
(iii)	South Western Railway: SG/SWR/PTCC/F-3127/2115	05.03.2021
(iv)	Defense: B/46937/Sigs 7(b)/2297	25.02.2021

The PTCC proposal submitted vide reference (i) has been examined. The low frequency induction on telecom cables of BSNL and Block & Telecom circuits of South Western Railway with respect to details furnished vide above references (ii) and (iii) respectively has been computed. The voltages likely to be induced on paralleling telecom cables of BSNL and Block & Telecom circuits of South Western Railway under Single Line to Ground fault condition are enclosed at Annexure-I and Annexure-II respectively. The screening factors, as applicable, have been considered. Vide above reference (iv), Defence Authority have issued No Objection Certificate (NOC) (a copy enclosed as Annexure-III).

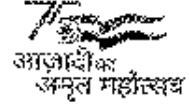
Taking above into consideration, necessary action for issuance of PTCC route approval may be taken.

Encl.: As above.

Raghunathan Ponnappa Eyyang
Director 21.02.2022

To,

1.	Divisional Engineer (PTCC), Southern Zone	BSNL, Inspection Circle, 1st Floor, Raj Bavan Exchange No. 26, Sardar Patel Road, Guindy, Chennai-600032.	Annexure-I & Annexure-III
2.	ASTE/TELE/HQ	SWR O/o Principal Chief Signal & Telecom Engineer, 1st floor, West Block, Rail Soudha, Gadag Road, Hubli-580020.	Annexure-II
3.	Chief Engineer, Electricity	KPTCL, State Load Despatch Centre, #28, Race Course Cross Road, Bengaluru-560009.	Copy for information



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Power Communication Development Division

के.वि.प्रा. केस सं. : KNK-955: 173-175

पी.टी.सी.सी. प्रस्ताव J.L.O of 220 KV D/C transmission line on M/C Towers from the existing 220 kV Kadakola to Chamurajanagara transmission line at proposed 220/66/11 kV S/S at KIADB Industrial Area, Adakanahalli in Nanjanagodu Taluk, Mysuru District: 0.130 km

सन्दर्भ:

क्रमांक	सन्दर्भ सं.	दिनांक
(i)	KPTCL: CRP/SLDC/PTCC/1-3127/10798-806	07.01.2021
(ii)	BSNL: SR-PTCC/SKT-2896/4	03.10.2021
(iii)	South Western Railway: SG/SWR/PTCC/F-3127/2115	05.03.2021
(iv)	Defense: B/46937/Sigs 7(b)/2297	25.02.2021

संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्ताव की जांच की गई है। उपरोक्त संदर्भ (ii) और (iii) में दिए गए विवरणों के संबंध में बीएसएनएल के दूरसंचार केबलों और दक्षिण पश्चिम रेलवे के ब्लॉक और दूरसंचार सर्किटों पर क्रमशः कम आवृत्ति प्रेरण की गणना की गई है। सिंगल लाइन टू थाउंड फॉल्ट की स्थिति के तहत बीएसएनएल और दक्षिण पश्चिम रेलवे के ब्लॉक और टेलीकॉम सर्किट के समानांतर दूरसंचार केबलों पर प्रेरित होने की संभावना वाले वोल्टेज क्रमशः अनुलम्बक-I और अनुलम्बक-II में संलग्न हैं। स्त्रीनिर्म कारकों पर विचार कर लिया गया है। उपरोक्त संदर्भ (iv) द्वारा रक्षा प्राधिकरण ने अनापत्ति प्रमाण पत्र (एनओसी) जारी किया है। (एक प्रति अनुलम्बक-III के रूप में संलग्न है)

उपरोक्त को ध्यान में रखते हुए, पीटीसीसी मार्ग अनुमोदन जारी करने के लिए आवश्यक कार्रवाई की जाए।

संलग्न: उपरोक्त अनुसार

राजकुमार प्रताप सिंह
निदेशक 21.02.22

To,

1.	Divisional Engineer (PTCC), Southern Zone	BSNL, Inspection Circle, 1st Floor, Raj Bavau Exchange No. 26, Sardar Patel Road, Guindy, Chennai-600032.	अनुलम्बक-I & अनुलम्बक-III
2.	ASTR/TELE/HQ	SWR O/o Principal Chief Signal & Telecom Engineer, 1st floor, West Block, Rail Soudha, Gadag Road, Hubli-580020.	अनुलम्बक-II
3.	Chief Engineer, Electricity	KPTCL, State Load Despatch Centre, #28, Race Course Cross Road, Bengaluru-560009.	जानकारी हेतु

MIC

CEA: KNK-955

(Annexure - I)

Case No. SKT2696		SSA: Mysore			
Name of the power line: PTCC Proposal for Proposed 220KV D/C LILO line on MC Towers from the existing 220KV Kadakola - Chamarajanagar D/C Line to the proposed 220/66/11KV RS at KIADB Industrial Area Adakanahalli in Nanjanagudu Taluk Mysuru District					
Length of Power Line		0.130 Kms			
Average SR value		37500 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
1	Tandya Telephone Exchange Cables	}	IV less than	430 V	
2	Exge to South Indian Paper Mills (A-A1)				
3	Exge to Reid & Taylor (A-A2)				
3	Exge to ITC Limited (A-A3)				



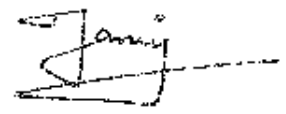
J. SRINIVAS
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 J. Srinivas, J. Srinivas
 J. Srinivas, J. Srinivas

ANNEXURE - II

Case No.: **KNK- 955**
Name of the Power Line: L.I.L.O of 220 KV D/C transmission line on M/C Towers from the existing 220 kv Kadakola to Chamarajanagara D/C transmission line at proposed 220/66/11 kv S/S at KIADB Industrial Area, Adakanahalli in Nanjanaguda Taluk, Mysuru District.
 Map Scale : 1 cm = 500 m.
 Route Length : 0.130 km
 Soil Resistivity : 30,000 ohm-cm

S.No.	Telecom Details	Length of Parallelism (in km)	Mutual Coupling (Ohms)	Fault Current (Amps)	Induced Voltage (Volts)
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South Western Railway: SG/SWR/PTCC/P-3127/2115		Dated : 05.03.2021	
Affected Blocks & Telecom Circuits Details			
1.	CMNR to NTW	Out of Parallelism	00
2.	NTW to KDO	Out of Parallelism	00
3.	KDO to AP	Out of Parallelism	00



J. JAYARAM
 Deputy Director
 Telecom Engineering
 South Western Railway
 Mysuru

Tele : 23019748

KVK-955

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

Annexure-III


9/46937/Sigs 7(b)/2297

25 Feb 2021

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

**PROPOSED 220KV D/C LILO LINE ON MC TOWERS FROM THE EXISTING
220KV KADAKOLA-CHAMARAJANAGAR D/C LINE TO THE PROPOSED
220/66/11KV BS AT KIADB INDUSTRIAL AREA ADAKANAHALLI IN
NANJANAGUDU TALUK MYSURU DISTRICT**

1. Refer your letter No CEE/SLDC/ PTCC/F-3127/10798-806 dt 07 Jan 2021 (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 Jeeb Singh Marg
Katwaria Sarai, New Delhi - 110016

for information

The DEI (PTCC), Northern Zone
O/o PGM (North), QA & Inspection Circle,
D-Tax Building, Eastern Court, Janpath
New Delhi-110001