



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-923

PTCC proposal for regularization of existing 220 kV DC line from existing 220/66 kV S/S at Somanahalli to the existing 220/66 kV S/S at T.K. Halli in Bengaluru South Taluk & Bengaluru Urban District (62.221 km)

Reference:

S. No.	Reference No.	Dated
(i)	KPTCL: CEE/SLDC/PTCC/F-2937/4721-31	10.07.2019
(ii)	BSNL: SR-PTCC/SKT-2513/06	06.03.2021
(iii)	South Western Railway: SG/SWR/PTCC/F-2937/1933 received via KPTCL mail dated 22.04.2022	13.08.2019
(iv)	Defense: B/46937/ Sigs 7(b)/1734 received via KPTCL mail dated 22.04.2022	05.09.2019

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

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

Encl.: As above.

Sd/-

Director

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 & II
2.	Chief Engineer Electricity	KPTCL, State Load Despatch Centre, #28, Race Course Cross Road, Bengaluru-560009	For information

दि. 24.08.2022

File No.CEA-PS-17-11(14)/25/2022-PCD Division

553-554



आजादी का
अमृत महोत्सव

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

के.वि.प्रा. केंस सं. : के.एल.के. - 923
पी.टी.सी.सी. प्रस्ताव मौजूदा 220/66 केवी सोमनाहल्ली उपकेन्द्र से मौजूदा 220 केवी टी.के. हल्ली उपकेन्द्र (बेंगलुरु दक्षिण तालुक और बेंगलुरु शहरी जिले में) तक 220 के.वी. डीसी लाइन का नियमितीकरण (62.221 कि.मी.)

सन्दर्भ:		
क्रमांक	सन्दर्भ सं.	दिनांक
(i)	के.पी.टी.सी.एल.: CEE/SLDC/PTCC/F-2937/4721-31	10.07.2019
(ii)	बी.एस.एन.एल.: SR-PTCC/SKT-2513/06	06.03.2021
(iii)	दक्षिण मध्य रेलवे: SG/SWR/PTCC/F-2937/1933 के.पी.टी.सी.एल. की 22.04.2022 दिनांक ई-मेल द्वारा प्राप्त	13.08.2019
(iv)	रक्षा: B/46937/ Sigs 7(b)/1734 के.पी.टी.सी.एल. की 22.04.2022 दिनांक ई-मेल द्वारा प्राप्त	05.09.2019

संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्ताव की जांच की गई है। बीएसएनएल के टेलिकॉम केबलों पर निम्न आवृत्ति प्रेरण गणना उपरोक्त संदर्भ (ii) में दिए गए विवरणों के संबंध में की गई है। सिंगल लाइन टू ग्राउंड फाल्ट अवस्था में समानांतर बीएसएनएल के टेलिकॉम केबलों पर प्रेरित वोल्टेज क्रमशः अनुलग्नक -I में संलग्न है। स्क्रीनिंग कारक का मान यथानुरूप लिया गया है। दक्षिण मध्य रेलवे ने उपरोक्त संदर्भ (iii) के द्वारा अनापत्ति प्रमाण पत्र जारी किया है। रक्षा प्राधिकरण ने उपरोक्त संदर्भ (iv) के द्वारा अनापत्ति प्रमाण पत्र जारी किया है। (अनुलग्नक- II में संलग्न)।

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

संलग्न: ऊपरोक्त अनुसार

'Sd/-

निदेशक

To,

1.	डिवीज़नल इंजिनियर, (पीटीसीसी), दक्षिण क्षेत्र	बीएसएनएल, इंसपेक्शन सर्किल, प्रथम तल, राज भवन एक्सचेंज, सं. 26, सरदार पटेल मार्ग, गिंडी, चेन्नई - 600032	अनुलग्नक I एवं II
2.	मुख्य अभियंता (विद्युत)	के.पी.टी.सी.एल., स्टेट लोड डिस्पैच सेंटर, #28, रेस कोर्स क्रॉस रोड, बेंगलुरु - 560009	जानकारी हेतु

CEA Case No.: KNK-923

Case No.F-2937/SKT-2513		SSA: Bengaluru			
Name of the power line: PTCC Proposal for the Regularisation of the Existing 220 KV DC Line from the Existing 220/66 KV S/S at Somanahalli to the Existing 220/66 KV S/S at T.K.Halli in Bengaluru South Taluk & Bengaluru Urban District.					
Length:		62.221	Kms		
Average SR value : 5000 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
I KGP	KAGGALIPURA EXCHANGE UG CABLES				
1	Exge to Pattagaudapalya (KG-KG1)				
2	Exge to Dinnepalya (KG-KG2)				
3	Exge to Udipalya (KG-KG3)				
II BOR	BOLARE EXCHANGE UG CABLES				
1	Exge to Nettagere (BR-BR1)				
2	Exge to Nelaguli (BR-BR2)				
3	Exge to Jettipalya (BR-BR3)				
4	Exge to Kaggalahalli (BR-BR4)				
III BIA	BIDADI INDL AREA EXCHANGE UG CABLES				
1	Exge to Mandijigavadara Doddi (BIA-BIA1)				
2	Exge to Indl Area (BIA-BIA2)				
IV BYM	BYRAMANGALA EXCHANGE UG CABLES				
1	Exge to Thimmagaudanadoddi (BY-BY1)				
2	Exge to Choukhalli (BY-BY2)				
3	Exge to Kommasetti Doddi (BY-BY3)				
V H	HAROHALLI EXCHANGE UG CABLES				
1	Exge to Yarihalli (H-H1)				
2	Exge to Jakasandra (H-H2)				
3	Exge to Karikaldoddi Village (H-H3)				
4	Exge to Chaukan Betta (H-H4)				
5	Exge to Kedde Doddi Village (H-H5)				
VI KNH	KANAKAPURA EXCHANGE UG CABLES				
1	Exge to Houseing Board (KN-KN1)				
2	Exge to Aralalu (KN-KN2)				
3	Exge to Malagal (KN-KN3)				
4	Exge to Indl Area (KN-KN4)				
5	Exge to Melekote (KN-KN5)				
VII P	PADUVANAGERE EXCHANGE UG CABLES				
1	Exge to T Hosahalli (P-P1)				
2	Exge to Agara Village (P-P2)				
3	Exge to JampalDoddi (P-P3)				
4	Exge to Mallenhalli (P-P4)				
VIII STN	SATHANUR EXCHANGE UG CABLES				
1	Exge to Kadahalli (ST-ST1)				
2	Exge to Ankegaudanadoddi (ST-ST2)				
3	Exge to Kalegaudanadoddi (ST-ST3)				
IX TGN	TATAGUNI EXCHANGE UG CABLES				
1	Exge to Agara (TN-TN1)				
2	Exge to Gaddechanpalya (TN-TN2)				

Prateek

प्रतीक श्रीवास्तव/PRATEEK SRIVASTAVA
 सहायक निदेशक-I/Asstt. Director-I
 केन्द्रीय विद्युत प्राधिकरण/C.E.A.
 विद्युत मंत्रालय/Min. of Power
 भारत सरकार/Govt. of India
 नई दिल्ली/New Delhi-66

Case No: F-2937/SKT-2513		SSA: Mandya			
Name of the power line: PTCC Proposal for the Regularisation of the Existing 220 KV DC Line from the Existing 220/66 KV S/S at Somanahalli to the Existing 220/66 KV S/S at T.K.Halli in Bengaluru South Taluk & Bengaluru Urban District.					
Length:	62.221 Kms				
Average SR value : 26216.79 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
I T	HALAGURU EXCHANGE UG CABLES	}	IV	less	than
1	Exge to Lingapatna (T-TA)				
2	Exge to T K Halli (T-TB)				
3	Exge to Byadarahalli (T-TS)				
II C	HADLI EXCHANGE UG CABLES	}	430	V	
1	Exge to Nadakalapura (C-CD)				
2	Exge to Megalapura (C-CE)				

Prateek

प्रतीक श्रीवास्तव / PRATEEK SRIVASTAVA
 सहायक निदेशक-I / Asstt. Director-I
 केन्द्रीय विद्युत प्राधिकरण / C.E.A.
 विद्युत मंत्रालय / Min. of Power
 भारत सरकार / Govt. of India
 नई दिल्ली / New Delhi-66

Tele : 23019746

KNK-923

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)/1734

05 Sep 2019

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

PROPOSAL FOR REGULARISATION OF EXISTING 220KV DC LINE FROM 220/66KV SS AT SOMANAHALLI TO THE EXISTING 220/66KV SS AT T.K. HALLI IN BENGALURU NORTH TALUK & BENGALURU URBAN DISTRICT.

1. Ref your letter No CEE/SLDC/PTCC/2937/4721-31 dt 10 Jul 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.

(Signature)

(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

at 9/27/19
MTC - 1/1
12/15
10/29/19
UJ
9/15

316
22-9-22

VIA
mail