

I/27857/2023



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



CEA Case No. : KNK-944		
PTCC approval for partial shifting and rerouting of existing 220 kV Narendra – Ambewadi DC line on MC and DC towers at IIT Dharwad Campus in Chikkamalligawad Village in Dharwad Taluk and District - regd.		
S. No	Reference No.	Dated
(i)	KPTCL: CEE/SLDC/PTCC/F-3080/4824-32	12.08.2020
(ii)	BSNL: SR-PTCC/SKT 2795/04	22.02.2023
(iii)	South Western Railway: SG/SWR/PTCC/F-3080/2068	19.10.2020
(iv)	Defense: B/46937/Sigs 7(b)/2119	26.10.2020

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on communication circuits of BSNL and South Western Railway with respect to details furnished vide above reference (ii) & (iii) respectively have been computed. The voltage likely to be induced on paralleling communication cables of BSNL and South Western Railway under Single Line to Ground fault condition are enclosed at Annexure-I & II respectively. The screening factors as applicable have been considered. Vide reference (iv) above, DG Signals, MoD has issued No Objection Certificate (NOC) (enclosed as Annexure-III).

EPR zone verification is not required as the instant case is related to partial shifting and rerouting of the existing lines.

Taking above into consideration, necessary action for issuance of PTCC route approval may be taken under intimation to this office.

Encl.: As above

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Southern Zone	BSNL, Inspection Circle, 1st Floor, Raj Bhavan Exchange No. 26, Sardar Patel Road, Guindy, Chennai-600032	
2.	PCSTE	South Western Railway, Rail Soudha, Gadag Road, Hubballi - 20	
3.	Chief Engineer, Electricity	KPTCL, State Load Despatch Centre, #28, R.C. Cross Road, Bangalore - 560009	Copy for information

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ANNEXURE-I

CEA Case No.: KNK-944		Map Scale : 1 cm= 500 m			
Name of the Power line: Partial shifting and rerouting of existing 220 kV Narendra – Ambewadi line on MC and DC towers at IIT Dharwad Campus in Chikkamalligawad Village in Dharwad Taluk and District		Total Length : 4.019 km		S.R. Value : 30,000 Ohm-cm	
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
BSNL Letter No: SR-PTCC/SKT 2795/04 Date: 22.02.2023					
I	BELUR TELEPHONE EXCHANGE (A)				
1.	Belur TE to High Court Cross to High Court (A-A1-A5)			28139	242
2.	Belur TE to High Court Cross to GARAG CROSS (A-A1-A2)				
3.	Belur TE to GARAG CROSS to FOREST OFFICE (A-A2-A4)				
4.	Belur TE to GARAG CROSS to MUMMIGATTI (A-A2-A3)	1.9	0.0086		
5.	Belur TE to BELUR Village to PANCHAYAT (A-A6-A7)			28139	242
6.	Belur TE to BELUR Village to KOYUR (A-A6-A8)				
7.	Belur TE to UNITEL (A-A9)				
8.	Belur TE to CDOK (A-A10)				
9.	Belur TE to A11 (A-A11)				
10.	Belur TE to A12 (A-A12)				
II	NARENDRA TELEPHONE EXCHANGE (C)				
1.	NARENDRA TE to AIRTECH (C-C1)			28139	242
2.	NARENDRA TE to BASHWESHAK COLONY (C-C2)				

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3.	NARENDRA TE to HORTICULTURE FARM (C-C3)	IV less than 430 V				
4.	NARENDRA TE to DASANAKOPPA TO LAKMAPUR (C-C4-C5)					
5.	NARENDRA TE to PANCHAYAT (C-C6)					
6.	NARENDRA TE to MANGALAGATTI TO MULMUTTAL (C-C7-C8)					
7.	NARENDRA TE to MANGALAGATTI TO KURBAGATTI (C-C7-C9)					
III	MUGAD TELEPHONE EXCHANGE (F)					
1.	MUGAD TE to KALKERI (F-F5)		IV less than 430 V			
2.	MUGAD TE to MUGAD CROSS to KAMALAPUR (F-F1-F2)					
3.	MUGAD TE to MUGAD CROSS to MANDIHAL to NAGLAVI (F-F1-F3-F4)					
4.	MUGAD TE to MUGAD LOCAL (F-F6)					
IV	DHARWAD MAIN TELEPHONE EXCHANGE (K)					
1.	Jublee Circle to KCD (K-K1)	IV less than 430 V				
2.	Jublee Circle to KC PARK to Agri College Gate (K-K8-K7)					
3.	Jublee Circle to MARATHA COLONY TO MALAPUR (K-K6-K2)					
4.	Jublee Circle to MARATHA COLONY TO KAMALAPUR (K-K6-K3)					
5.	Jublee Circle to MARATHA COLONY TO MADIHAL (K-K6-K4)					
6.	Jublee Circle to MARATHA COLONY TO MALAPUR TO HEBBALLI AGASI ROAD (K-K6-K5)					
7.	DWR T/E TO JUBILEE CIRCLE TO MALAMADII TO KALYAN NAGAR TO KUD (K-K10-K11-K8-K9)					

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V	SAPTAPUR TELEPHONE EXCHANGE (O)				
1.	STP T/E TO DASANAKOPPA CIRCLE TO RANI (O-O1-O3)	IV less than 430 V			
2.	STP T/E TO TAPOVAN (O-O2)				
3.	STP T/E TO DASANAKOPPA CIRCLE TO GERMA HOSPITAL CROSS TO NARAYANAPUR TO KELEGERE TO YERIKOPPA ROAD (O-O1-O4-O5-O6-O8)				
4.	STP T/E TO DASANAKOPPA CIRCLE TO GERMA HOSPITAL CROSS TO POLICE QUARTERS (O-O1-O4-O7)				
VI	UAS TELEPHONE EXCHANGE (M)				
1.	UAS EXCHANGE TO NEW ADMIN BUILDING TO UAS ENTRANCE TO DAILY FARM (M-M1-M5-M6)	IV less than 430 V			
2.	UAS EXCHANGE TO OLD ADMIN BUILDING TO UAS INTERNATIONAL GUEST HOUSE (M-M2-M3)				
3.	UAS EXCHANGE TO SBI BIOTECH (M-M4)				
VII	KUD TELEPHONE EXCHANGE (N)				
1.	KUD EXCHANGE TO KUD BUS STOP TO BOYS HOSTEL (N-N3-N1)	IV less than 430 V			
2.	KUD EXCHANGE TO KUD BUS STOP TO KUD GUEST HOUSE (N-N3-N2)				

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ANNEXURE-II

CEA Case No.: KNK-944 Name of the Power line: Partial shifting and rerouting of existing 220 kV Narendra – Ambewadi line on MC and DC towers at IIT Dharwad Campus in Chikkamalligawad Village in Dharwad Taluk and District			Map Scale : 1 cm= 500 m Total Length : 4.019 km S.R. Value : 30,000 Ohm-cm		
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
SOUTH WESTERN RAILWAY Letter No: SG/SWR/PTCC/F-3080/2068 Date: 19.10.2020					
1.	Dharwad – Kyarkoppa	2.45	0.0008	27856	22
2.	Kyarkoppa – Mugad	0.95	0.0021	29048	61
3.	Mugad – Naglavi	0.35	0.0001	15667	2

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Annexure-III

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

B/46937/Sigs 7(b)/2119

26 Oct 2020Karnataka Power Transmission Corporation Limited
Office of the Chief Engineer Electricity,
State Load Despatch Centre,
28, R.C. Cross Road,
Bengaluru - 560 009

PROPOSED FOR PARTIALLY SHIFTING AND REROUTING OF EXISTING 220KV
NARENDRA-AMBEWADI DC LINES ON MC AND DC TOWERS AT IIT DHARWAD CAMPUS
IN CHIKKAMALLIGAWAD VILLAGE IN DHARWAD TALUK AND DISTRICT

1. Ref your letter No CEE/SLDC/ PTCC/F-3080/ 4824-32 dt 12 Aug 2020 (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

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

श्री प्रतिस
21/10/20

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19/11/20