

I/27856/2023



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



भारत 2023

ONE EARTH - ONE FAMILY - ONE FUTURE

CEA Case No. : KNK-945		
PTCC approval for partial shifting and rerouting of existing 220 kV Narendra – Haveri and Narendra – Bidnal lines 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-3079/4833-41	12.08.2020
(ii)	BSNL: SR-PTCC/SKT 2794/04	22.02.2023
(iii)	South Western Railway: SG/SWR/PTCC/F-3079/2067	19.10.2020
(iv)	Defense: B/46937/Sigs 7(b)/2117	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-945					
Name of the Power line: Partial shifting and rerouting of existing 220 kV Narendra – Haveri and Narendra – Bidnal lines 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 : 2.821 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 2794/04 Date: 22.02.2023					
I	BELUR TELEPHONE EXCHANGE (A)				
1.	A-A1-A5				IV less than 430 V
2.	A-A1-A2				
3.	A-A2-A4				
4.	A-A2-A3	1.5	0.0074	28746	213
5.	A-A6-A7				IV less than 430 V
6.	A-A6-A8				
7.	A-A9				
8.	A-A10				
II	NARENDRA TELEPHONE EXCHANGE (C)				
1.	C-C1				IV less than 430 V
2.	C-C2				
3.	C-C3				
4.	C-C4-C5				
5.	C-C6				
6.	C-C7-C8				
7.	C-C7-C9				
III	MUGAD TELEPHONE EXCHANGE (F)				
1.	G-G1				IV less than 430 V
2.	F-F1-F2				

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3.	F-F1-F3-F4	IV less than 430 V			
IV	DHARWAD MAIN TELEPHONE EXCHANGE (K)				
1.	K-K1	IV less than 430 V			
2.	K-K8-K7				
3.	K-K6-K2				
4.	K-K6-K3				
5.	K-K6-K4				
6.	K-K6-K5				
7.	K-K10-K11-K8-K9				
V	SAPTAPUR TELEPHONE EXCHANGE (O)				
1.	O-O1-O3	IV less than 430 V			
2.	O-O2				
3.	O-O1-O4-O5-O6-O8				
4.	O-O1-O4-O7				
VI	UAS TELEPHONE EXCHANGE (M)				
1.	M-M1-M5-M6	IV less than 430 V			
2.	M-M2-M3				
3.	M-M4				
VII	KUD TELEPHONE EXCHANGE (N)				
1.	N-N3-N1	IV less than 430 V			
2.	N-N3-N2				

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ANNEXURE-II

CEA Case No.: KNK-945					
Name of the Power line: Partial shifting and rerouting of existing 220 kV Narendra – Haveri and Narendra – Bidnal lines 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 : 2.821 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-3079/2067 Date: 19.10.2020					
1.	Dharwad – Kyarkoppa	1.5	0.0003	26667	8
2.	Kyarkoppa – Mugad	0.7	0.0010	28344	28
3.	Mugad – Naglavi	0.5	0.0001	17348	2

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Tele: 23019746

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


B/46937/Sigs 7(b)/2117

26 Oct 2020

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

1. Ref your letter No CEE/ST DC/ PTCC/F-30/9/ 4833 41 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
CSO 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 Sara, New Delhi - 110016

for information

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

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stc. of
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19/1/20