



सत्यमेव जयते

भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
केन्द्रीय विद्युत प्राधिकरण  
Central Electricity Authority  
पावर कम्युनिकेशन डवलपमेंट प्रभाग  
Power Communication Development Division

No. CEA/PCD/PTCC/KNK-899/ 299-301

Date: 15/03/2019

✓ Divisional Engineer Telecom (PTCC),  
QA & Inspection (T&D) circle, BSNL,  
1<sup>st</sup> Floor, Raj Bhawan Tel. Exchange,  
No.26, Sardar Patel Road,  
Guindy, Chennai-32

**Subject:** PTCC Route Approval for 220kV D/C Kalaburgi – R/S at Kapnoor at T.No. 409 of existing 220kV Shahapur to Kapnoor D/C T/L

**Reference:**

- i) BSNL letter no. SR-PTCC/SKT-2111/7 dated 27/7/18
- ii) Central Railway letter no. N.153/PTCC/220kV/KAR-94 dated 21/11/18
- iii) Defense letter no. B/46937/Sig 7(b)/1102 dated 26/7/18

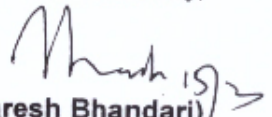
Sir,

The low frequency induction on BSNL and Central Railway telecommunication circuits as per details furnished vide above cited references (i) and (ii) respectively has been examined. The average soil resistivity value has been taken as 20000 Ohms-cm, as per data submitted by Power Authority. Voltages likely to be induced on paralleling BSNL and Southern Railway telecommunication circuits under SLG (Single Line to Ground) fault condition are enclosed at Annex-I & II respectively. The screening factors as applicable have been considered. Vide ref. (iii) above, Defense Authority have issued No Objection Certificate (NOC), a copy is enclosed at Annex-III.

Taking above into consideration, kindly issue PTCC Route Approval.

Encl: As above

Yours faithfully,

  
(Naresh Bhandari)  
Chief Engineer

**Copy to:**

- (i) GM (S&T), Central Railway, Headquarters Office, S&T Branch, 3<sup>rd</sup> Floor, Annex Building, Mumbai CSMT (with Annexure II only)
- (ii) Chief Engineer Electricity, SLDC, #28, RC Cross Road, KPTCL, Bangalore - 560 009



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Divisional Engineer Telecom (PTCC),  
QA & Inspection (T&D) circle, BSNL,  
3<sup>rd</sup> Floor, 'D' Wing,  
Admin Building, BSNL Complex,  
Santacruz (W), Mumbai - 400 054

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Case No. SKT-2111		SSA: Gulbarga			
CEA Case No. KNK-899		220 KV DC line on DC towers from proposed 400/220 KV SS Kalaburgi near Ferozabad village in Kalaburgi Taluk, & District to existing 220/110 KV R/S at Kapnoor at T.No. 409 of existing 220 KV Shahapur to Kapnoor DC line corridor at Kapnoor end in Kalaburgi District			
Name of PWR line:					
Length:	10.349	Kms			
Average SR value : 20,000 ohm cms					
Type of BSNL cable: PIJF cable					
Sl.No.	Name of Telecom line	LOP in KMs	MC in Ohms	FC in Amps	IV in Volts
1	A Ferozabad AN RAX Exge UG cables				
	1 Exge to Market Ferozabad A-A1		- IV less than 430V		—



नरेश भंडारी / NARESH BHANDARI  
 मुख्य अभियन्ता / Chief Engineer  
 केन्द्रीय विद्युत प्राधिकरण / C.E.A.  
 विद्युत मंत्रालय / Ministry of Power  
 भारत सरकार / Govt. of India  
 नई दिल्ली / New Delhi-65





KMK-899 ANNEX  
11f

Tele : 23019746

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

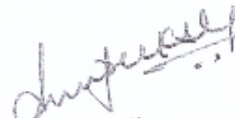
B/46937/Sigs 7(b)/1102 /

26 Jul 2018

O/o the Chief Engineer Electricity,  
State Load Despatch Centre,  
#28, R.C. Cross Road  
Bengaluru-560 009

**PROPOSED 220KV D/C LINE ON D/C LINE ON D/C TOWERS FROM PROPOSED  
400/220 KV S/S KALABURGI NEAR FIROZABAD VILLAGE IN KALABURGI TALUK,  
KALABURGI DISTRICT TO EXISTING 220/110 KV R/S AT KAPNOOR AT T.No. 409  
OF EXISTING 220 KV SHAHAPUR TO KAPNOOR D/C LINE CORRIDOR AT  
KAPNOOR END IN KALABURGI DISTRICT**

1. Reference your letter No. CEE/ SLDC/PTCC/F-2754/1622-30 dated 20 Apr 2018 (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheet 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

**Copy to :-**

Central Electricity Authority  
Power Communication Development Division  
NRPC Complex, 18-A, Shaheed Jeet Singh S Marg  
Katwaria Sarai, New Delhi - 110016

- For information.