



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-865/273-275

दिनांक:07/03/2019

The Divisional Engineer Telecom (PTCC),
QA & Inspection (T&D) circle, BSNL,
1st floor, Raj Bhavan Exchange,
No.26, Sardar Patel Road,
Guindy, Chennai-600032

Subject: PTCC Route Approval for 400kV D/C YTPS –Kalaburgi T/L


Reference: i) BSNL letter no. SR-PTCC/SKT_1382/10 dated 27/06/2018
ii) South Central Railway letter no. SG/85/4/3/PTCC/SCRKS201615 RTD dated 30/12/2016
iii) Central Railway letter no.N.153/PTCC/400kV /KAR-70 dated 21/02/2017
iv) Defense letter no. B/46937/Signs 7(b)/454/ dated 18.01.2017

Sir,

The instant PTCC proposal has been examined. The low frequency induction on telecom cables of BSNL and Block & Telecom Circuits of South Central Railway with respect to details furnished vide above reference has been computed. The average Soil Resistivity (SR) value has been taken as 30,000 Ohm Cm, as intimated by Power Authority(KPTCL). The voltages likely to be induced on paralleling telecom cables of BSNL and Block & Telecom circuits of South Central Railway circuits under Single line to Ground fault condition have been computed and are enclosed at Annex-I & II respectively. The screening factors, as applicable, have been considered. Vide Ref. (iii) above Centrale Railway have issued No Objection Certificate (NOC). Vide Ref. (iv) above, the Defense authority have issued No Objection Certificate (NOC) (enclosed at Annex-III).

Taking above into consideration, kindly take necessary action regarding issue of PTCC route approval.

Encl.: As above



(Naresh Bhandari)
Chief Engineer

Copy to:

(i)SSTE, South Central Railway, Headquarters Office, Signal & telecom Branch, rail Nilayam, Secunderabad-500071- (with Annexure II only).

(ii) Chief Engineer, Electricity, SLDC, KPTCL, # 28, R.C. Road, Bengaluru-560009.

Case No. SKT -1382		SSAs: Mahabubnagar, Raichur & Gulbarga			
CEA: Case No. KNK-865		400 KV Partly MC/DC line on MC/DC towers from the existing 400 KV SS at YTPS to the proposed 400/220 KV Pooling Station at Kalaburgi near Ferozabad Village in Kalaburgi Taluk & District			
Name of the power line					
Length:	121.694	Kms			
Average SR value : 39,000 ohm cms					
Sl.No.	Name of Telecom line	LOP in KMs	MC in Ohms	FC in Amps	IV in Volts
	Raichur SSA Topo map details				
I. A	Yeggasanahalli A/N Rack Exge UG cables				
1	Exge to YTPS A-A1	}			IV less than 430 V.
2	Exge to Yeggasanahalli Village A-A2				
3	Exge to Main Industrial Area A-A3				
4	Exge to Chicksugur A-A4				
II. B	Jegarkaral A/N Rack Exge UG cables				
1	Exge to Mallapur B-B1				IV less than 430V
III. C	Shaktinagar RSU Exge UG cables				
1	Exge to RTPS C-C1				IV less than 430V
IV. CC	Yaramarus Exge UG cables				
1	Exge to Diet college CC-C1	}			Out of Parallelism
2	Exge to Potagal Road CC-C2				
3	Exge to Paras Vatika CC-C3				
V. D	Gunj Exge UG cables				
1	Exge to Industrial area D-D1	}			Out of Parallelism
2	Exge to 48 Pillar & Fire Stn. D-D2				
3	Exge to Gunj Kalayan Mantap D-D3				
	Mahabubnagar SSA topo map details				
VI	Krishna Exge UG cables				
1	Exge to Kusumurthy	}			IV less than 430V
2	Exge to Gurjala				
	Kalaburagi SSA topo map details				
VII A	Ferozabad Exge UG cables				
1	Exge to Market Ferozabad A-A1				IV less than 430V


 नरेश भंडारी / NAFESH BHANDARI
 मुख्य अभियंता / Chief Engineer
 केन्द्रीय विद्युत प्राधिकरण / C.E.A.
 विद्युत मंत्रालय / Ministry of Power
 भारत सरकार / Govt. of India
 नई दिल्ली / New Delhi-66

ANNEX-III
KNK-865

Tele : 23019746

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

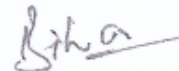
B/46937/Sigs 7(b)/454/

Jan 2017

Chief Engineer Electricity,
State Load Despatch Centre,
#28, R.C. Cross Road
Bangalore - 560009

PROPOSED 400KV PARTLY MC/DC LINE ON MC/DC TOWERS FROM THE EXISTING 400KV SS AT YTPS TO THE PROPOSED 400/220KV POOLING STATION AT KALABURGI NEAR FIROZABAD VILLAGE IN KALABURGI TALUK & DISTRICT

1. Reference your letter No. CEE/SLDC/PTCC/F-2463/11710 - 20 dt 17 Dec 2016.
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 forwarded herewith for your further necessary action.



(Bikram Kunwar)
Lt Col
GSO 1 (Comn)
for SO-in-C

Enclosures : (As above)

✓ The Director (PTCC), CEA
Power Communication Development Division
NRPC Complex, 18-A Shaheedjeet Singh Marg
Katwaria Sarai, New Delhi - 110016

for information.