



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

No.: CEA/PCD/ PTCC/KNK-924// 421-23

Date: 25.08.2020

Subject: PTCC proposal of 220 kV LILO line from existing 220 kV Antharasanahalli-Peenya SC Line [B1 line] to the existing 400/220 kV SS at Nelamangala in Nelamangala Taluk Bengaluru Rural District.-regd.

 Ref.:
 (i)
 KPTCL Ref. No. CEE/SLDC/PTCC/F-2954/6976-84
 Dated: 09.08.2019

 (ii)
 BSNL Ref. No. SR-PTCC/SKT-2570/3
 Dated: 04.12.2019

 (iii)
 South Western Railway Ref. No.SG/SWR/PTCC/F-2954/1949
 Dated: 13.09.2019

 (iv)
 Defense Ref. No. B/46937/Sigs 7(b)/1780
 Dated: 16.10.2019

The PTCC proposal submitted vide ref. (i) has been examined. The low frequency induction on telecom cables of BSNL and Block & Telecom circuits of South Western Railway with respect to details furnished vide above references (ii) and (iii) respectively has been computed. The Soil Resistivity (SR) value has been taken as 25,000 Ohm-cm. The voltages likely to be induced on paralleling telecom cables of BSNL and Block & Telecom circuits of South Western Railway under Single Line to Ground fault condition are enclosed at Annex-I and Annex-II respectively. The screening factors, as applicable, have been considered. Vide ref. (iv) above, Defence Authority have issued No Objection Certificate (NOC) (a copy enclosed as Annex-III).

Taking above into consideration, kindly take necessary action for PTCC route approval.

Encl.: As above.

(Upendra Kumar)
Chief Engineer

To,
The Divisional Engineer (PTCC), Southern Zone,
Bharat Sanchar Nigam Limited (BSNL),
O/o DET (PTCC), Inspection Circle,
1st Floor, Raj Bavan Exchange No. 26,
Sardar Patel Road, Guindy, Chennai-600032.

MC

Contd.

(Annex-I)

FC in Amps IV in Volts

2954

SI.No.

Name of Telecom line

Exge to Jakkasandra NA-NA1

Nelamangala Telephone Exchange Cables

Name of the Power line: Regularisation of the existing 220KV LILO line from the existing 220KV Anthaharasanahalli-Peenya SC line (B1) to the existing 400/220KV SS at Nelamangala Taluk, Bengaluru Rural district.

Length: 0.068 Kms

Average SR value: 25,000 ohm cms Type of BSNL cable: PIJF

grang

LOP in KMs MC in Ohms

TANUS Delhi 66

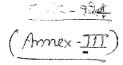
Case No.: KNK- 924

Name of the Power Line: 220 kV LILO line from existing 220 kV Antharasanahalli-Peenya SC Line [B1 line] to the existing 400/220 kV SS at Nelamangala in Nelamangala Taluk Bengaluru Rural District. Map Scale : 1 cm = 500 m. Route Length : 0.068 km Soil Resistivity : 25000 Ohm-cm

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S.No.	Telecom Details	Length of Parallelism (in km)	Mutual Coupling (Ohms)	Fault Current (Amps)	Induced Voltage (Volts)	
]
1					N .	- 1

		DATED: 13-09-2019	
	Affected Blocks & Telecom Circuits Details	OUT OF PARALLELISM	0
4	Chikkabanavar(BAW)- Golhalli (GHL)		0
1	Golhalli(GHL)-Dodbele(DBL)	OUT OF PARALLELISM	0
2	Chikkabanavar(BAW)-Nelamangala(NMGA)	OUT OF PARALLELISM	01
3	Chikkabanavar(BAVV)-Nelamangasa(0.068 0.0001 6113	
4	Nelamangala(NMGA)-Solur(SOLR)		

Tele: 23019746



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

Water Street

/6 Oct 2019

B/46937/Sigs 7(b)/1780

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 THE EXISTING 220KV LILO LINE FROM EXISTING 220KV ANTHARASANAHALLI-PEENYA SC LINE [B1 LINE] TO THE EXISTING 400/220KV SS AT NELAMANGALA IN NELAMANGALA TALUK BENGALURU RURAL DISTRICT

- 1. Ref your letter No CEE/SLDC/ PTCC/F-2954/-6976-84 dt 09 Aug 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.

(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