



भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

केन्द्रीय विद्युत प्राधिकरण

Central Electricity Authority

विद्युतसंचारविकासप्रभाग

Power Communication Development Division

No.: CEA/PCD/ PTCC/TNG-94 / 371-372

Date: 04.08.2020

Subject: PTCC proposal of LILO of both circuits of 400 kV Mamidipalli-Dindi TMDC line to 400 kV Maheshwaram SS of length 5.86 km. -regd.

- | | |
|---|-------------------|
| Ref. 1. TSTRANSCO Ref. No. CE/400kV/SE/400kV/D2-A1/F.MswramBaysnLine/D.No. 292-A/19 | Dated: 31.10.2019 |
| 2. BSNL Ref. No. SR-PTCC/STS/2467/04 | Dated: 05.06.2020 |
| 3. South Central Railway Ref.No.SG.85/4/3/PTCC/SCRSTS202013RC | Dated: 04.03.2020 |
| 4. Defense Ref. No. B/46937/Sigs 7(b)/1931 | Dated: 03.02.2020 |

The PTCC proposal submitted vide ref. (i) has been examined. The LF induction on BSNL cables as per details furnished vide ref. (ii) has been examined. The Soil Resistivity value has been taken as 15,000 Ohms-cm. Voltages likely to be induced on paralleling BSNL cables under single line to ground fault condition are enclosed at Annex-I. The screening factors as applicable have been considered. Vide ref. (iii) above; South Central Railway has intimated that the Railway line does not exist within 8 km vicinity of the proposed power line. Therefore, IV calculation is not required for South Central Railway. Defense has accorded NOC vide above ref. (iv) for this line (a copy enclosed at Annex-II).

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

Encl.: As above.

Upendra Kumar
04.08.2020
(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.

Copy to: Chief Engineer, 400 kV, TSTRANSCO, Vidyut Soudha, Hyderabad-500082.

(Annexure-I)

Case No. STS-2647		SSA: Hyderabad			
Name of the power line: Erection of LLO of both circuits of 400 KV Mamidipally-Dindi TMDC line to 400KV Maheshwaram SS of length 5.86 Kms					
Length:	5.860 Kms				
Average SR value : 148.21 ohm ms		Type of BSNL cable			
Sl.No.	Name of Telecom line	LOP in KVis	MO in Ohms	FC in Amps	IV in Volts
I A	Kandukur Telephone Exchange UG Cables	}			IV less than 430V
1	Exge to Main Road (A-A1)				
2	Exge towards Maheshwaram(A-A2)				
II B	Rachur Telephone Exchange UG Cables	}			Outside IV consideration Zone
1	Exge to PillarNo.21 (B-B1)				
2	Exge to Syndicate Bank (B-B2)				
3	Exge to GPO (B-B3)				

OK
04.09.2020
मुख्य अभियंता / Chief Engineer
केंद्रीय विद्युत प्राधिकरण / C.E.A.
विद्युत मंत्रालय / Ministry of Power
भारत सरकार / Govt. of India
नई दिल्ली / New Delhi

Tele : 23019746

TNG-97

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

(Annexure-II)


B/46937/Sigs 7(b)/1931

16 Feb 2020

The Chief Engineer,
Transmission Corporation of Telangana Limited
400KV, TSTRANSCO
Vidyut Soudha,
Hyderabad - 500 082

ERECTION OF LILO OF BOTH CIRCUITS OF 400KV MAMIDIFALLI-DINDI TMDC LINE TO
400KV MAHESHWARAM SS OF LENGTH 5.86KM-PTCC PROPOSAL FOR APPROVAL -
FORWARDED-

1. Ref your letter No CE/400KV/SE/400KV/D2-A1/F.MswramBaysnLine/D.No. 292(A)/19 dt 31 Oct 2019 (copy att)
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheets received under your above mentioned letter
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.


(A Rawal)
Maj
GSO 1 (Comm)
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