File No.CEA-PS-17-11(14)/1/2023-PCD Division







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

CEA Case No. : TNG-115					
PTCC approval for 400 kV QMDC line from 400/220 kV Dindi S/S (existing) to proposed 400/11 kV Yedula S/S (55.397 km) - regd.					
S. No	Reference No.	Dated			
(i)	TSTRANSCO: CE/PRLIS/D1-A1/F.Dindi-Yedula Line/D.No.406 /2021	10.06.2021			
(ii)	TSTRANSCO: Email	28.12.2022			
(iii)	BSNL: SR-PTCC/STS 3329/07	27.09.2022			
(iv)	South Central Railway: SG.85/4/3/PTCC/SCRTS202140 RC	31.12.2021			
(v)	Defense: B/46937/Sigs 7(b)/2467	04.08.2021			

The PTCC proposal submitted vide reference (i) & (ii) has been examined. The LF induction on communication circuits of BSNL with respect to details furnished vide above reference (iii) have been computed. The voltage likely to be induced on paralleling communication cables of BSNL under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors as applicable have been considered. Vide reference (iv) above, South Central Railway has issued No Objection Certificate (NOC). Vide reference (v) above, DG Signals, MoD has issued No Objection Certificate (NOC) (enclosed as Annexure-II).

Li K Zones for proposed substations are mentioned below.							
Name of the	Half	Fault	Resistance of	d (mts)	d (mts)	d (mts)	d (mts)
proposed SS	Diagonal	Current,	earthmat, R	at 430 V	at 650	at 7 kV	at 10
	Distance,	I (kA)	(Ohms)		V		kV
	D/2 (mts)						
400/11 kV	285	50	0.0347	864.94	475.73	NIL	NIL
Yedula SS							

EPR Zones for proposed substations are mentioned below.

As per the details submitted by BSNL, there are no telecom exchanges falling within the EPR zone of the proposed substation.

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,

10,				
1. Divisional		nal	BSNL, Inspection Circle,1st Floor, Raj Bhavan	
Engineer (PTCC), Exchange		er (PTCC),	Exchange No. 26, Sardar Patel Road, Guindy,	
Southern Zone		n Zone	Chennai-600032	
2.	Chief PRLIS	Engineer,	TSTRANSCO, Vidyut Soudha, Hyderabad - 500082	Copy for information

एनआरपीसी परिसर, कटवारिया सराय, नई दिल्ली-110016 टेलीफ़ोन: 011-26565214 ईमेल: cepcd.cea@gov.in वेबसाइट: www.cea.nic.in

ANNEXURE-I

CEA Case No.: TNG-115 Name of the Power line : 400 kV QMDC line from 400/220 kV Dindi S/S (existing) to proposed 400/11 kV Yedula S/S			Map Scale : 1 cm= 500 m Total Length : 55.397 km S.R. Value : 15000 Ohm-cm			
S.No.	Telecom. Details	in Km.	in Ohms.	in Amps.	Volts.	
	BSNL Letter No: SR-PTCC/S	STS 3329/07 Da	ate: 27.09.2022			
IT	TELKAPALY EXCHANGE UG CABLES					
1	Exge to Veterinary Hospital (T-P1)	0.35	0.0004	15750	6	
2	Exge to Sangameshwara Bank (T-P2)	1.05	0.0014	12300	17	
3	Exge to Market (T-P3)		Out of parallelism			
4	Exge to Rakonda (T-P4)	1.4	0.0019	25789	49	
5	Exge to Gouraddy Pally (T-P5)	2.9	0.0019	20526	39	
6	Exge to Hospital (T-P6)	0.7	0.0016	18553	30	
7	Exge to Indian Gas (T-P7)	0.5	0.0008	24548	20	
	VANGOOR EXCHANGE UG CABLES					
ΠV	(KALWAKURTHY SDCA)					
1	Exge to Pillar No. 01	0.1	0.0001	25120	3	
2	Exge to Pillar No. 02	0.45	0.0026	20039	52	
3	Exge to Manchinonipally Village (V – M)	0.75	0.0283	19893	563	
4	Exge to Polkampally Village (V – P)	6.45	0.0762	17297	1318	
5	Exge to Jupally Village (V – J)	1.2	0.0016	19912	32	

File No.CEA-PS-17-11(14)/1/2023-PCD Division

I/25763/2023

Annexure-II

Tele : 23019746

TNG-115

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

B/46937/Sigs 7(b)/2467

°4 Aug 2021

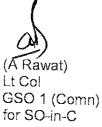
Chief Engineer, PRLIS TSTRANSCO Transmission Corporation of Telangana State Limited Vidyut Soudha, Hyderabad – 500 082

ERECTION OF 400KV QUAD MOOSE DC LINE FROM 400/220KV DINDI SS TO PROPOSED 400/11KV YEDULA LISS-55.397KM PTCC PROPOSALS-FORWARDED-REG.

1. Refer your letter No Lr. No. CE/PRLIS/D1-A1/F.Dindi-Yedula line/D.No.406/2021 dt 10 Jun 2021 (copy att).

2. No Objection Certificate (NOC) is accorded based on inputs provided as per Map sheets received under your letter mentioned above.

3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.



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

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



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