



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-121 : 1313-315
PTCC proposal for 400 kV QMDC transmission line from Yadadri TPP, Switchyard, TSGENCO to 400/220 kV Damaracherla S/S : 4.923 km

Reference:		
S. No.	Reference No.	Dated
(i)	TSTRANSCO:CE/400kV/SE-II/400kV/D3-A/F.YTPP/19/D. No. 421/21	27.08.2021
(ii)	BSNL: SR-PTCC/STS-3497/5	27.04.2022
(iii)	South Central Railway: SG.85/4/3/PTCC/SCRSTS202146 RTD	24.01.2022
(iv)	Defense: B/46937/Sigs 7(b)/2560	09.11.2021

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide above reference (ii) has intimated that no BSNL telecom lines/cables or assets existing or proposed within 6 months in paralleling distance of 8 km from proposed power line and has conveyed its NOC. The LF induction on telecom cables of Block & Telecom circuits of South Central Railway with respect to details furnished vide above reference (iii) has been computed. The voltages likely to be induced on paralleling telecom cables of Block & Telecom circuits of South Central Railway under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors, as applicable, have been considered. Vide above reference (iv), Defence Authority have issued No Objection Certificate (NOC) (a copy enclosed as Annexure-II).

Taking above into consideration, necessary action for issuance of PTCC route approval may be taken.

Encl.: As above.

Director 28.04.22

To,

1.	Divisional Engineer (PTCC), Southern Zone	BSNL, Inspection Circle, 1st Floor, Raj Bavan Exchange No. 26, Sardar Patel Road, Guindy, Chennai-600032:	Annexure-II only
2.	SSTE/TELE/HQ	SCR, Head Quarters Office, Signal & Telcomm Branch, Rail Nilayam, Secunderabad-500025.	Annexure-I only
3.	Chief Engineer/400 kV	TSTRANSCO, Vidyut Soudha, Hyderabad-500082.	Copy for information



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के.वि.प्रा. केस सं. : TNG-121 : 1313-315
पी.टी.सी.सी. प्रस्ताव 400 kV QMDC transmission line from Yadadri TPP, Switchyard, TSGENCO to 400/220 kV Damaracherla S/S : 4.923 km

क्रमांक	सन्दर्भ सं.	दिनांक
(i)	TSTRANSCO:CE/400kV/SE-II/400kV/D3-A/F.YTPP/19/D.No. 421/21	27.08.2021
(ii)	BSNL: SR-PTCC/STS-3497/5	27.04.2022
(iii)	South Central Railway: SG.85/4/3/PTCC/SCRTS202146 RTD	24.01.2022
(iv)	Defense: B/46937/Sigs 7(b)/2560	09.11.2021

संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्ताव की जांच की गई है। बीएसएनएल ने उपरोक्त संदर्भ (ii) के माध्यम से सूचित किया है कि प्रस्तावित बिजली लाइन से 8 किमी की समानांतर दूरी में बीएसएनएल की कोई भी दूरसंचार लाइन/केबल या संपत्ति मौजूद नहीं है या 6 महीने के भीतर प्रस्तावित नहीं है एवं अपनी एनओसी से अवगत कराया है। दक्षिण मध्य रेलवे के ब्लॉक और टेलीकॉम सर्किट पर निम्न आवृत्ति प्रेरण गणना उपरोक्त संदर्भ (iii) में दिए गए विवरण के संबंध में की गई है। सिंगल लाइन टू ग्राउंड फॉल्ट की स्थिति के तहत दक्षिण मध्य रेलवे के ब्लॉक और टेलीकॉम सर्किट पर प्रेरित होने की संभावना वाले वोल्टेज अनुलग्नक-I में संलग्न है। उपयुक्त स्क्रीनिंग कारकों पर विचार कर लिया गया है। उपरोक्त संदर्भ (iv) द्वारा, रक्षा प्राधिकरण ने अनापत्ति प्रमाण पत्र (एन.ओ.सी.) जारी किया है। (एक प्रति अनुलग्नक-II के रूप में संलग्न है)

उपरोक्त को ध्यान में रखते हुए, पीटीसीसी मार्ग अनुमोदन जारी करने के लिए आवश्यक कार्रवाई की जाए।
संलग्न: ऊपरोक्त अनुसार

राधिका सुप्रीम सिंह
निदेशक 28.04.22

To,

1.	Divisional Engineer (PTCC), Southern Zone	BSNL, Inspection Circle, 1st Floor, Raj Bavan Exchange No. 26, Sardar Patel Road, Guindy, Chennai-600032.	केवल अनुलग्नक-II
2.	SSTE/TELE/HQ	SCR, Head Quarters Office, Signal & Telcomm Branch, Rail Nilayam, Secunderabad-500025.	केवल अनुलग्नक-I
3.	Chief Engineer/400 kV	TSTRANSCO, Vidyut Soudha, Hyderabad-500082.	जानकारी हेतु

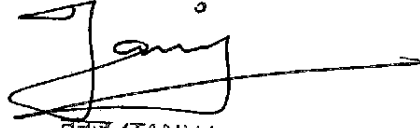
ANNEXURE -I / अनुलग्नक-I

CEA Case No.: TNG-121		Map Scale : 1 cm=500 m			
Name of the Power line: 400 kV QMDC transmission line from Yadadri TPP, Switchyard, TSGENCO to 400/220 kV Damaracherla S/S.		Total Length : 4.923 km			
		Soil Resistivity : 5,000 ohm-cm			
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms	Effective Fault current in Amps	I.V in Volt

South Central Railway letter no. : SG.85/4/3/PTCC/SCRTS202146 RTD Dated : 24.01.2022

Affected Blocks & Telecom Circuits Details

1	Kondrapol (KDGL) to Vishnupuram (VNUP)	Outside IV Consideration Zone	00
2	Vishnupuram (VNUP) to Pondugala (PDGL)	Outside IV Consideration Zone	00



तनुज / TANUJ
सहायक निदेशक-II / Asstt. Director-II
केन्द्रीय विद्युत प्राधिकरण / C.E.A.
विद्युत मंत्रालय / Ministry of Power
भारत सरकार / Govt. of India
नई दिल्ली / New Delhi-66

Tele : 23019746

(Annexure-II / अनुसूचना-II)

TNG-121
Directorate General of Signals
Signals - 7
General Staff Branch
Integrated HQ of MoD, (Army)
DHQ PO, New Delhi - 110011


B/46937/Sigs 7(b)/2560

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

Nov 2021

**YADADRI THERMAL POWER EVACUATION SCHEME (5X800MW)-ERECTION
OF 400KV QMDC LINE FROM YADADRI TPP, SWITCHYARD, TSGENCO TO
400/220KV DAMARACHERLA SS (4.923KMS APPROX)-PTCC PROPOSAL-
FORWARDED-REG**

1. Refer your letter No Lr. No. CE/400KV/SE-II/400KV/D3-A/F.YTPP/19/D.No.421/21 dt 27 Aug 2021 (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided as per Map sheets received under your above mentioned letter.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.


(A Rawat)
Lt Col
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

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

- for information

Handwritten notes:
A-17A
A-17A