



आपकी
अमृत महोत्सव

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

के.वि.प्रा.केस सं. : ORS-217 / 1285-287
पी.टी.सी.सी. प्रस्ताव LILo of 220 kV D/C transmission line from existing 220 kV Budhipadar to Basundhara transmission line at 220/33 kV GSS Lephripada: 4.76 km

सन्दर्भ:		
क्रमांक	सन्दर्भ सं.	दिनांक
(i)	OPTCL: SGM CON-II/PTCC/236	10.02.2020
(ii)	BSNL: DE/PTCC/EOR270620202756	08.09.2021
(iii)	South Eastern Railway:-S&T/T/176/Pt. XI/953	16.12.2021
(iv)	Defense: B/46937/ Sigs 7(b)/2004	08.07.2020

संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्ताव की जांच की गई है। बीएसएनएल ने संदर्भ (ii) द्वारा सूचित किया कि प्रस्तावित बिजली लाइन के पास कोई यू/जी और ओ/एच केबल नहीं है। इसलिए, बीएसएनएल टेलीकॉम लाइन पर IV गणना की आवश्यकता नहीं है। उपरोक्त संदर्भ (iii) में दिए गए विवरण के संबंध में दक्षिण पूर्व रेलवे के ब्लॉक और टेलीकॉम सर्किट पर एलएफ इंडक्शन की गणना की गई है। सिंगल लाइन टू गाउंड फॉल्ट की स्थिति के तहत दक्षिण पूर्व रेलवे के समानांतर ब्लॉक और टेलीकॉम सर्किट पर प्रेरित होने की संभावना अनुलग्नक-I में संलग्न है। स्क्रीनिंग कारकों, जैसा लागू हो, पर विचार कर लिया गया है। रक्षा प्राधिकरण ने प्रस्तावित बिजली लाइन के लिए उपरोक्त संदर्भ (iv) के माध्यम से अनापति प्रमाण पत्र प्रदान किया है। (एक प्रति अनुलग्नक-II में संलग्नित)

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

राजेश कुमार मिश्रा
निदेशक 2.04.22

To,

1.	Divisional Engineer (PTCC), Eastern Zone	BSNL O/o DET(PTCC), Eastern Zone, QA & Inspection Circle, Q.A Bhawan, EP-GP Block, Sector-V, Salt lake, Kolkata-700091.	
2.	ASTE/Tele	South Eastern Railway; O/o Pr. Chief Signal & Telecom Engineer, Garden Reach, Kolkata-700043.	अनुलग्नक-I
3.	Senior General Manager (Const.) (I/C)	Odisha Power Transmission Corporation Ltd, O/o Sr. General Manager Construction, Zone-II, Sambalpur, 132/33 kV Grid S/S, Ganesh Nagar, Bohidar Nuapali, PO-Sankarma, Sambalpur – 768006.	जानकारी हेतु



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Power Communication Development Division

CEA Case No. : ORS-217
PTCC proposal for LILO of 220 kV D/C transmission line from existing 220 kV Budhipadar to Basundhara transmission line at 220/33 kV GSS Lephripada: 4.76 km

Reference:		
S. No.	Reference No.	Dated
(i)	OPTCL: SGM CON-II/PTCC/236	10.02.2020
(ii)	BSNL: DE/PTCC/EOR270620202756	08.09.2021
(iii)	South Eastern Railway: S&T/T/176/Pt. XI/953	16.12.2021
(iv)	Defense: B/46937/ Sigs 7(b)/2004	08.07.2020

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide reference (ii) intimated that no U/G and O/H cable lies near the proposed power line. Hence, IV calculation on BSNL telecom line is not required. The LF induction on Block & Telecom circuits of South Eastern Railway with respect to details furnished vide above reference (iii) has been computed. The voltages likely to be induced on paralleling Block & Telecom circuits of South Eastern Railway under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors, as applicable, have been considered. The Defense Authority have accorded NOC vide above reference (iv) for the proposed power line. (a copy enclosed at Annexure-II)

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

Encl.: As above.

राजिबुल प्रसाद सिंह
22.04.22
Director

To,

1.	Divisional Engineer (PTCC), Eastern Zone	BSNL O/o DET(PTCC), Eastern Zone, QA & Inspection Circle, Q.A Bhawan, EP-GP Block, Sector-V, Salt lake, Kolkata-700091.	
2.	ASTE/Tele	South Eastern Railway; O/o Pr. Chief Signal & Telecom Engineer, Garden Reach, Kolkata-700043.	Annexure-I
3.	Senior General Manager (Const.) (I/C)	Odisha Power Transmission Corporation Ltd, O/o Sr. General Manager Construction, Zone-II, Sambalpur, 132/33 kV Grid S/S, Ganesh Nagar, Bohidar Nuapali, PO-Sankarma, Sambalpur – 768006.	For kind information

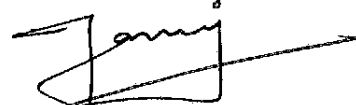
ANNEXURE-I**CEA Case No.: ORS-217****Name of the Power line:** LILO of 220 kV D/C transmission line from existing 220 kV Budhipadar to Basundhara transmission line at 220/33 kV GSS Lephripada.**Map Scale** : 1 cm=500 m
Total Length : 4.76 km
S.R. Value : 50,000 ohm-cm

S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
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South Eastern Railway: S&T/T/176/Pt. XI/953 Dated: 16.12.2021

Affected Blocks & Telecom Circuits Details

1	JSG to DTV	Outside IV Consideration Zone			00
2	BEH to DTV	Outside IV Consideration Zone			00
3	DTV to MCL B/C	Outside IV Consideration Zone			00
4	JSG to MCL B/C	Outside IV Consideration Zone			00
5	MCL B/C to MIDH	Outside IV Consideration Zone			00
6	MIDH to KOBL	Out of Parallelism			00
7	KOBL to LIKA	2.8	0.0012	9890	12
8	LIKA to BRBC	Out of Parallelism			00
9	BRBC to MFSJ	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-68

Tele : 23019746

ORS-217
(Annexure-II)

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

B/46937/Sigs 7(b)/2004/

Jul 2020

Office of Sr. General Manager Construction,
Zone-II Sambalpur
Odisha Power Transmission Corporation Ltd.
132/33kv Grid S/S, Ganesh Nagar, BohidarNuapali,
PO-Sankarma, Sambalpur-768 006

**APPROVAL OF PTCC PROPOSAL FOR CONSTRUCTION OF 220KV LILO TRANSMISSION
LINES FROM EXISTING 220KV BUDHIPADAR-BASUNDHARA LINE TO 220/33KV GSS,
LEPHRIPADA**

1. Ref your letter No SGM CON-II/PTCC/236 dt 10 Feb 2020. (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheet 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