

File No.CEA-PS-17-11(12)/28/2022-PCD Division



75
आज़ादी का
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. : MRA-1185: 263-265
पी.टी.सी.सी. प्रस्ताव LILO of one circuit of 220 kV D/C transmission line from existing 220 kV OCR (Eklahare) to Navsari at proposed 220 kV Shilapur S/S (CPRI): 4.706 km

सन्दर्भ:		
क्रमांक	सन्दर्भ सं.	दिनांक
(i)	MSETCL: MSETCL/CO/PS/PTCC/In/B-582/6788	16.11.2021
(ii)	BSNL: IC/MBI/PTCC/MRA-2517	11.01.2022
(iii)	Central Railway: N.153/PTCC/220kV/MAH-795	30.12.2021
(iv)	Defense: B/46937/Sigs 7(b)/2675	10.01.2022

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 मध्य रेलवे के ब्लॉक और टेलीकॉम सर्किट पर एलएफ इंडक्शन की गणना की गई है। सिंगल लाइन टू ग्राउंड फॉल्ट की स्थिति के तहत मध्य 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 अनापत्ति 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
13.04.22

To,

1.	Divisional Engineer (PTCC), Western Zone	BSNL; Inspection Circle, 3 rd Floor, D-Wing, BSNL Admin Building, Juhu Tara Road, Santacruz (West), Mumbai-400054.	
2.	Dy. CSTE/Tele	Central Railway; O/o Principal Chief Signal & Telecom Engineer, 3 rd floor, Annex Building, CSMT Mumbai-400001.	अनुलग्नक-I
3.	SE (Projects Schemes)	MSETCL; Projects Schemes Department, "Prakashganga", Plot No. C-19, E Block, Bandra-Kurla Complex, Bandra (East), Mumbai-400051.	जानकारी हेतु



भारत सरकार
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 विद्युत संचार विकास प्रभाग
 Power Communication Development Division

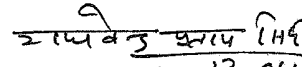
CEA Case No.: MRA-1185 / 263-265
PTCC proposal for LILO of one circuit of 220 kV D/C transmission line from existing 220 kV OCR(Eklahare) to Navsari at proposed 220 kV Shilapur S/S (CPRI): 4.706 km

Reference:		
S. No.	Reference No.	Dated
(i)	MSETCL: MSETCL/CO/PS/PTCC/In/B-582/6788	16.11.2021
(ii)	BSNL: IC/MBI/PTCC/MRA-2517	11.01.2022
(iii)	Central Railway: N.153/PTCC/220kV/MAH-795	30.12.2021
(iv)	Defense: B/46937/Sigs 7(b)/2675	10.01.2022

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 Central 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 Central 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.


 Director 04.22

To,

1.	Divisional Engineer (PTCC), Western Zone	BSNL; Inspection Circle, 3 rd Floor, D-Wing, BSNL Admin Building, Juhu Tara Road, Santacruz (West), Mumbai-400054.	
2.	Dy. CSTE/Tele	Central Railway; O/o Principal Chief Signal & Telecom Engineer, 3 rd floor, Annex Building, CSMT Mumbai-400001.	Annexure-I
3.	SE (Projects Schemes)	MSETCL; Projects Schemes Department, "Prakashganga", Plot No. C-19, E Block, Bandra-Kurla Complex, Bandra (East), Mumbai-400051.	Copy for information

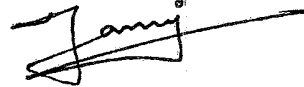
ANNEXURE-I

CEA Case No.: MRA - 1185 Name of the Power line: LILO of one circuit of 220 kV D/C transmission line from existing 220 kV OCR(Ekalahare) to Navsari at proposed 220 kV Shilapur S/S (CPRI).			Map Scale : 1 cm=500 m Total Length : 4.706 km S.R. Value : 7,500 ohm-cm		
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.

Central Railway: N.153/PTCC/220kV/MAH-795 Dated: 30.12.2021

Affected Blocks & Telecom Circuits Details

1	Devlali to Nasik Road	Out of Parallelism			00
2	Nasik Road to Odha	4.6	0.0038	9892	38
3	Odha to Kherwadi	Out of Parallelism			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)

MRA-1185

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


B/46937/Sigs 7(b)/2675/

10 Jan 2022

Office of the Superintending Engineer,
Projects Schemes Department
Maharashtra State Electricity Transmission Co Ltd
"Prakashganga", Plot No C-19, 'E' Block,
Bandra - Kurla Complex, Bandra (East),
Mumbai-400051

**PTCC PROPOSAL FOR 220KV DC LINE, LILO ON ONE CKT OF EXISTING
220KV OCR (EKLAHARE)-NAVSARI DC LINE TO PROPOSED 220KV SHILAPUR
S/S (CPRI), LENGTH=4.706KMS**

1. Refer your letter No MSETCL/CO/PS/PTCC/In/B-582/No 06788 dt 16 Nov 2021 (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided as per Map sheets received vide your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.


(Rakesh Kumar)
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

- for information

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