



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

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CEA Case No. : MRA-1190/279-281
PTCC proposal of 220 kV MCMC LILO on 220 kV Dhule – Dondaicha & 220 kV Amalner – Dondaicha line for proposed 220 kV Vikhran S/S (1.616 km)

Reference:		
S. No.	Reference No.	Dated
(i)	MSETCL: MSETCL/CO/PS/PTCC/II/B-580/06073	14.10.2021
(ii)	BSNL: IC/MBI/PTCC/MRA-2513	31.01.2022
(iii)	Western Railway: SG.158/28/09(319)	30.11.2021
(iv)	Defense: B/46937/Sigs 7(b)/2626	08.12.2021

The PTCC proposal submitted vide reference (i) has been examined. BSNL, vide above reference (ii) have furnished NIL telecom details. The LF induction on block & telecom circuits of Western 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 Western Railway under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors, as applicable, have been considered. The Defence Authority have issued No Objection Certificate (NOC). (a copy enclosed as Annex-II).

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

**Encl.:** As above.

*अपेक्षित आप दिने*  
Director 21.04.22

To,			
1.	Divisional Engineer (PTCC); Western Zone	BSNL; Inspection Circle, 3 <sup>rd</sup> Floor, D-Wing, BSNL Admin Building, Juhu Tara Road, Santacruz (West), Mumbai-400054.	
2.	GM (S&T)	Western Railway, Office of PCSTE, S&T Dept., 5 <sup>th</sup> Floor, Station Building, Churchgate, Mumbai – 400020	Only Annex-I
3.	Superintending Engineer (Project Schemes)	MSETCL, O/o Superintending Engineer (Project Schemes Dept.), Prakashganga, P. No. C19, #E, BKC, Bandra (East), Mumbai - 400051	With a request to submit separate PTCC proposal for such cases in future



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Power Communication Development Division

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के.वि.प्रा. केस सं. : MRA-1190
पी.टी.सी.सी. प्रस्ताव 220 kV MCMC LILO on 220 kV Dhule – Dondaicha & 220 kV Amalner – Dondaicha line for proposed 220 kV Vikhran S/S (1.616 km)

सन्दर्भ:		
क्रमांक	सन्दर्भ सं.	दिनांक
(i)	MSETCL: MSETCL/CO/PS/PTCC/II/B-580/06073	14.10.2021
(ii)	BSNL: IC/MBI/PTCC/MRA-2513	31.01.2022
(iii)	Western Railway: SG.158/28/09(319)	30.11.2021
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संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्ताव की जांच की गई है। बीएसएनएल ने उपरोक्त संदर्भ (iv) के द्वारा NIL टेलिकॉम विवरण प्रस्तुत किया है। पश्चिम रेलवे के ब्लॉक एवं टेलिकॉम सर्किटों पर निम्न आवृत्ति प्रेरण गणना उपरोक्त संदर्भ (iii) में दिए गए विवरणों के संबंध में की गई है। सिंगल लाइन टू ग्राउंड फाल्ट अवस्था में समानांतर पश्चिम रेलवे के ब्लॉक एवं टेलिकॉम सर्किटों पर प्रेरित वोल्टेज अनुलग्नक -I में संलग्न है। स्क्रीनिंग कारक का मान यथानुरूप लिया गया है। रक्षा प्राधिकरण ने उपरोक्त संदर्भ (iv) के द्वारा अनापत्ति प्रमाण पत्र जारी किया है। (अनुलग्नक- II में संलग्न)।

उपरोक्त को ध्यान में रखते हुए, पीटीसीसी मार्ग अनुमोदन जारी करने के संबंध में आवश्यक कार्रवाई की जाए।

संलग्न: ऊपरोक्त अनुसार

राजेश्वर प्रताप सिंह  
निदेशक 21.04.22

To,

1.	Divisional Engineer (PTCC), Western Zone	BSNL; Inspection Circle, 3 <sup>rd</sup> Floor, D-Wing, BSNL Admin Building, Juhu Tara Road, Santacruz (West), Mumbai-400054.	
2.	GM (S&T)	Western Railway, Office of PCSTE, S&T Dept., 5 <sup>th</sup> Floor, Station Building, Churchgate, Mumbai – 400020	Only Annex-I
3.	Superintending Engineer (Project Schemes)	MSETCL, O/o Superintending Engineer (Project Schemes Dept.), Prakashganga, P. No. C19, #E, BKC, Bandra (East), Mumbai - 400051	With a request to submit separate PTCC proposal for such cases in future

**ANNEXURE - I**

<b>CEA Case No.: MRA-1190</b> <b>Name of the Power line: 220 kV MCMC LILO on 220 kV Dhule</b> <b>- Dondaicha &amp; 220 kV Amalner - Dondaicha line for proposed</b> <b>220 kV Vikhran S/S</b>			<b>Map Scale : 1 cm=500 m</b> <b>Total Length : 1.616 km</b> <b>S.R. Value : 3,000 Ω-cm</b>		
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.

WESTERN RAIWAY Ref. No: SG.158/28/09(319)

Dated: 30.11.2021

**Affected Blocks & Telecom Circuits Details**

1	Sindkheda - Vikhran Road	Outside IV consideration zone	0
2	Vikhran Road - Dondaicha		0

*Prateek*  
प्रतीक श्रीवास्तव/PRATEEK SRIVASTAVA  
सहायक निदेशक-II/Asst. Director-II  
केन्द्रीय विद्युत प्राधिकरण/C.E.A.  
विद्युत मंत्रालय/Ministry of Power  
भारत सरकार/Govt. of India  
नई दिल्ली/New Delhi

Tele : 23019746

Annex-II MRA-1190  
Directorate General of Signals  
Signals 7  
General Staff Branch  
Integrated HQ of MoD (Army)  
DHQ PO, New Delhi - 110011


B/46937/Sigs 7(b)/2626/

08 Dec 2021

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 MCMC LINE, LILO ON EXISTING 220KV  
DHULE-DONDAICHA LINE AND 220KV AMALNER-DONDAICHA LINE FOR  
PROPOSED 220KV VIKHRAN S/S, LENGTH=1.616KMS**

1. Refer your letter No MSETCL/CO/PS/PTCC/In/B-580/No 06073 dt 14 Oct 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 forwarded herewith for your further 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/o PGM (North), QA & Inspection Circle,  
D-Tax Building, Eastern Court, Janpath  
New Delhi-110001

