



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-1180  
PTCC proposal for 220 kV D/C transmission line from 400 kV Solapur (PGCIL)  
S/S to proposed 220 kV Narangwadi S/S: 73.864 km

Reference:		
S. No.	Reference No.	Dated
(i)	MSETCL: MSETCL/CO/PS/PTCC/220kV/LD/B-577/01825	23.03.2021
(ii)	BSNL: IC/MBI/PTCC/MRA-2493/03	27.07.2021
(iii)	Central Railway: N. 153/PTCC/220KV/MAH-773	15.07.2021
(iv)	Defensc: B/46937/Sigs 7(b)/2394	28.05.2021

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on telecom cables of BSNL with respect to details furnished vide above reference (ii) has been computed. The voltages likely to be induced on paralleling telecom cables of BSNL under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors, as applicable, have been considered. Central Railway vide reference (iii) has issued NOC and given its consent for charging the proposed power line. 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.

Signature Not Verified  
Digitally signed by RAGHUVENDRA PRATAP SINGH  
Date: 2021.10.14 16:49:37 IST

Director


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.	Chief Engineer (Projects Schemes)	MSETCL; O/o Chief Engineer, Projects Schemes Department, "Prakashganga", Plot No. C-19, E Block, Bandra-Kurla Complex, Bandra (East), Mumbai-400051.	Copy for information

CEA Office Case No. - MRA-1180	Map Scale - 1:50000	(Annexure-I)
DET(PTCC) Office Case No. - 01825 (B-577)	Route Length- 73.864 kms	
Railway Office Case No.	Soil resistivity- 60,000 $\Omega$ cm	
Name of Power Line	220kV DC line from 400 kV Solapur (PGCIL) S/s to Proposed 220kV Narangwadi S/s, 73.864 kms	

Sr. No.	Name of the Telecom line/Cable	Length of Parallelism in Kms	Mutual Coupling in Ohms	Fault Current in Amps	Induced Voltage in Volts
1	Naldurg T.E. to Police Station 200 Pr UG Copper cable (Point L2 to L3)	3.000			
2	Naldurg T.E. to MSEDCL Office 100 Pr UG Copper cable (Point L2 to L6)	2.700			
3	Naldurg T.E. to Nagar Parishad 100 Pr UG Copper cable (Point L2 to L4)	3.200			
4	Naldurg T.E. to Bus Stop 100 Pr UG Copper cable (Point L2 to L5)	2.000			
5	Naldurg T.E. to BP Petrol Pump 50 Pr UG Copper cable (Point L2 to L7)	1.100			
6	Naldurg T.E. to ASC College 50 Pr UG Copper cable (Point L2 to L8)	1.000			
7	Naldurg T.E. to ASC College 50 Pr UG Copper cable (Point L2 to L8)	1.000			
8	Jalkot T.E. to ODCC bank 20 Pr UG Copper Cable (Point L1 to L9)	1.000			

9. Jalkot Bus stop to Nandgaon T.E. 6F  
Armored Underground OFC (Point U to R)
10. Ashta Mad to Salegaon T.E. 6F  
Armored Underground OFC (Point U to V)

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

Tele : 23019746

MRA-1180

(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)/2394/

26 May 2021

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

PTCC PROPOSAL 220KV DC LINE FROM 400KV SOLAPUR (PGCIL) S/S TO  
PROPOSED 220KV NARANGWADI S/S, LENGTH=73.864KMS

1. Refer your letter No MSETCL/CO/PS/PTCC/220KV/LD/B-577/No 01825 dt 23 Mar 2021 (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheets received under your letter mentioned above.
3. Documents alongwith map sheets (in original) are forwarded herewith for your further 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