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स्वातंत्र्याची
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

CEA Case No. : MRA-1187/419 - 420
PTCC proposal of 220 kV D/C UG cable from existing 400/220 kV Hinjewadi S/S to proposed 220 kV GIS S/S of M/s NXTRA Data Ltd at Hinjewadi (0.454 km)

Reference:		
S. No.	Reference No.	Dated
(i)	MSETCL: MSETCL/CO/PS/PTCC/In/O-208/06987	23.11.2021
(ii)	BSNL: IC/MBI/PTCC/MRA-2521	11.01.2022
(iii)	Central Railway: N.153/PTCC/220kV/MAH-796 received via MSETCL mail dated 27.04.2022	16.03.2022
(iv)	Defense: B/46937/Sigs 7(b)/2684	11.01.2022

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 above reference (iii), has conveyed NOC. 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.

26.05.2022
Director

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. With Annex-I & II
2.	Superintending Engineer (Project Schemes)	MSETCL, O/o Superintending Engineer (Project Schemes Dept.), Prakashganga, P. No. C19, #E, BKC, Bandra (East), Mumbai - 400051 For kind info

File No.CEA-PS-17-11(12)/37/2022-PCD Division



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Power Communication Development Division

के.वि.प्रा. केस सं. : MRA-1187/419-420
पी.टी.सी.सी. प्रस्ताव 220 kV D/C UG cable from existing 400/220 kV Hinjewadi S/S to proposed 220 kV GIS S/S of M/s NXTRA Data Ltd at Hinjewadi (0.454 km)

सन्दर्भ:	क्रमांक	सन्दर्भ सं.	दिनांक
(i)	MSETCL:	MSETCL/CO/PS/PTCC/In/O-208/06987	23.11.2021
(ii)	BSNL:	IC/MBI/PTCC/MRA-2521	11.01.2022
(iii)	Central Railway:	N.153/PTCC/220kV/MAH-796 received via MSETCL mail dated 27.04.2022	16.03.2022
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संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्ताव की जांच की गई है। बीएसएनएल के टेलिकॉम केबलों पर निम्न आवृत्ति प्रेरण गणना उपरोक्त संदर्भ (ii) में दिए गए विवरणों के संबंध में की गई है। सिंगल लाइन टू ग्राउंड फाल्ट अवस्था में समानांतर बीएसएनएल के टेलिकॉम केबलों पर प्रेरित वोल्टेज अनुलग्नक -I में संलग्न है। स्क्रीनिंग कारक का मान यथानुरूप लिया गया है। मध्य रेल ने उपरोक्त संदर्भ (iii) के द्वारा अनापत्ति प्रमाण पत्र जारी किया 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

राधकृष्ण प्रताप सिंह
निदेशक
26.05.2022

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.	With Annex-I & II
2.	Superintending Engineer (Project Schemes)	MSETCL, O/o Superintending Engineer (Project Schemes Dept.), Prakashganga, P. No. C19, #E, BKC, Bandra (East), Mumbai - 400051	For kind info

Annexure-I

CEA Case No.: MRA-1187

DET (PTCC) office case no.	Route length-0.454 Km Soil Sensitivity- 10000 Ω -cm
Railway office case no.	
Name of the power line	220 Kv DC UG cable from existing 400kv Hinjewadi S. S. to proposed 220kv Ph. 3GISOMF extra data LTD.

Sr No	Name of telecom line/cable	Length of cable KM	Mutual Coupling	Fault Current (A)	Induced Voltage (V)
01	Hinjewadi Ph 2 TE Bodakewadi to Mann Gao 200 Pr UG Cable	3km	}	}	I.V. less than 430 V
02	Hinjewadi Ph 2 TE TO OF INFOSYS UG Cable 400 PAIR	1.5 km			
03	Hinjewadi Ph 2 TE TO WISRUJI RD UG Cable 200 PAIR	2 km			
04	Hinjewadi Ph 2 TE TO Wipro UG cable 200 PAIR	1.5km			
05	Hinjewadi Ph 1 to MIDC UG cable 800 Pr	2km			
06	Hinjewadi Ph 1 TE to Bhunakar Chowk UG cable 800 Pr	2.2km			
07	Hinjewadi Ph 1 TE to Geometric UG cable 200 Pr	500Mtr			
08	Hinjewadi Ph 1 TE to Geometric UG cable 100 Pr	200 Mtrs			
09	WAKAD TE to Balika neger UG cable 1200 Pr	1 Km			
10	WAKAD TE to Kalewadi UG cable 1200 Pr	1.5 Km			
11	WAKAD TE to Ashoka society UG cable 800 Pr	1 Km			

Prateek

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

Tele : 23019746

MRA-1187 Annex-1
Directorate General of Signals
Signals 7
General Staff Branch
Integrated HQ of MoD (Army)
DHQ PO, New Delhi - 110011


B/46937/Sigs 7(b)/2684/

11 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 U/G CABLE FROM EXISTING 400KV
HINJEWADI S/S TO PROPOSED 220KV HINJEWADI (PH-III) GIS OF
M/S NXTRA DATA LTD, LENGTH=0.454KMS**

1. Refer your letter No MSETCL/CO/PS/PTCC/In/O-208/No 06987 dt 23 Nov 2021.
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.


(Suresh Pal Choyal)
Lt Col
GSO 1 (Coord)
for SO-in-C

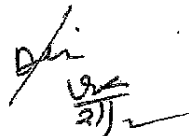
Enclosures : As above

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/d PGM (North), QA & Inspection Circle,
D-Tax Building, Eastern Court, Janpath
New Delhi-110001

Sh. Shaheed
PSS
22/01/22
for information


21/1/22

