



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-1158 / 267-268
PTCC proposal of 220 kV D/C Vishwind – Bhenda transmission line (42.065 km)

Reference:		
S. No.	Reference No.	Dated
(i)	MSETCL: MSETCL/CO/PS/S-I/PTCC/B-567/03495	07.05.2019
(ii)	BSNL: IC/MBI/PTCC/MRA-2426,2477&2479	29.11.2021
(iii)	Central Railway: N.153/PTCC/220kV/MAH-729	16.05.2019
(iv)	Defense: B/46937/ Sigs 7(b)/1657	27.06.2019

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. Vide reference (iii) above, Central Railway have issued No Objection Certificate (NOC). Vide reference (iv) above, 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.

शुभेन्द्र प्रताप सिंह
 Director 17.03.2022

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.	
2.	Superintending Engineer (Project Schemes)	MSETCL, O/o Superintending Engineer (Project Schemes Dept.), Prakashganga, P. No. C19, #E, BKC, Bandra (East), Mumbai - 400051	Copy for information

File No.CEA-PS-17-11(12)/18/2022-PCD Division



आजादी का
अमृत महोत्सव

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Power Communication Development Division

के.वि.प्रा. केस सं. : MRA-1158 267-288
पी.टी.सी.सी. प्रस्ताव 220 kV D/C Vishwind – Bhenda transmission line (42.065 km)

सन्दर्भ:	क्रमांक	सन्दर्भ सं.	दिनांक
(i)	MSETCL:	MSETCL/CO/PS/S-I/PTCC/B-567/03495	07.05.2019
(ii)	BSNL:	IC/MBI/PTCC/MRA-2426,2477&2479	29.11.2021
(iii)	Central Railway:	N.153/PTCC/220kV/MAH-729	16.05.2019
(iv)	Defense:	B/46937/ Sigs 7(b)/1657	27.06.2019

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

ब्राह्मदेव प्रताप सिंह
18.03.22
निदेशक

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.	Superintending Engineer (Project Schemes)	MSETCL, O/o Superintending Engineer (Project Schemes Dept.), Prakashganga, P. No. C19, #E, BKC, Bandra (East), Mumbai - 400051	Copy for information

CEA case No. MRA-1158

Office case No.	Map scale -	1:25000
CEA/PECC office case No.	Route length-	42.065
Railway office case no.	Soil resistivity-	10000 Ω -cm
Name of the power line	220 KV Vishwiniad to Bhinda T.L.	

Sr. No.	Name of the Telecom line / cable	Length of Parallelism in Km.	Mutual Coupling in Ohms	Fault Current in Amps	Induced Voltage in Volts
1	Bhinda TE to Bhindakh (50)	1 Km	}	IV Test	on an 430V
2	Bhindakh to Nagar Sahin	0.5 Km			
3	Maha to (A) Pt. on map (10)	2 Km			
4	Maha to Pich Side Road	2 Km			
5	Chanda to Kapanpur (10)	4 Km			
6	Chanda to Chhatarwal (10)	4 Km			
7	Chanda to Labarwal (10)	3 Km			
8	Kandson Exch. to Kavelpur	500 / 2 Km			
9	Kandson to Toderi Road	1000 / 1 Km			
10	Miri TE to Nagar road	1000 / 5 Km			
11	Chanda to Kauthe	100 / 4 Km			
12	Chanda TE to Kharhar	100 / 4 Km			
13	Chanda TE to Mandarapur	100 / 4 Km			
14	Chanda TE to Nagarpur	100 / 2 Km			
15	Maha TE to (A) point	1000 / 1.5 Km			
16	Maha TE to (B) point	1000 / 3 Km			
17	Maha TE to (C) point	1000 / 1 Km			
18	Maha TE to (D) point	1000 / 3 Km			
19	Maha TE to (E) point	1000 / 1 Km			
20	Maha TE to (F) point	1000 / 1 Km			
21					

Prateek

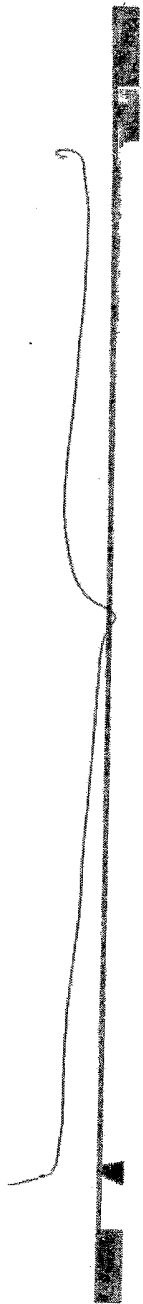
प्रमुख अभियंता/प्रकार्यकारी/अधीक्षक
 सहायक अभियंता/Asst. Director-II
 केन्द्रीय विद्युत प्राधिकरण/C.E.A.
 विद्युत मंत्रालय/Ministry of Power
 भारत सरकार/Govt. of India
 नई दिल्ली/New Delhi

Bhendha Khurd to ① 20 pair / 2 km
 " to ② 10 pair / 2 km
 " to ③ 20 pair / 1.5 km
 " to ④ 10 pair / 1 km

Bhendha TE. to ⑤ 50 pair / 1.5 km
 " to ⑥ 20 pair / 1.5 km
 " to ⑦ 40 pair / 1 km

Bhambhwar TE to ① 20 pair / 1.5 km
 " to ② 20 pair / 4 km
 " to ③ 50 pair / 1.5 km
 " to ④ 30 pair / 2 km

Kurina TE to ① 100 pair / 2.5 km
 " to ② 50 pair / 2.5 km
 " to ③ 50 pair / 4 km
 " to ④ 150 pair / 3 km
 " to ⑤ 100 pair / 5 km
 " to ⑥ 100 pair / 2 km



IV less than 430V

Prateek

Director General
 Central Board of Secondary Education
 Ministry of Education, Government of India
 New Delhi

MRA-1158 Annex-EC

Tele : 23019746

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


B/46937/Sigs 7(b)/1657/

27 Jun 2019

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

PTCC PROPOSAL FOR 220KV VISHWIND-BHENDA DC LINE, LENGTH=42.065KMS

1. Ref your letter No MSETCL/CO/PS/S-I/PTCC/B-567/No 03495 dt 07 May 2019 (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)
Maj
GSO 1 (Comn)
for SO-in-C

Enclosures : As above

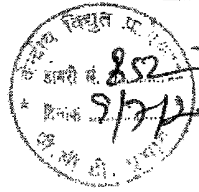
Copy to :-

✓ The Director (PTCC), CEA
Power Communication Development Division
NRPC Complex, 18-A Shaheed Jeet Singh Marg
Katwaria Sarai, New Delhi - 110016

for information.

डा 231-3.17
रायबंड जयपूर
10.07.19

D P CD



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