

File No.CEA-PS-17-11(12)/8/2022-PCD Division /165-166



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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. : MP-440

पी.टी.सी.सी. प्रस्ताव 220 kV DCDS line from Gudgaon (220 kV S/S) to Betul (220 kV S/S) (46.771 km)

सन्दर्भ:

क्रमांक	सन्दर्भ सं.	दिनांक
(i)	MPPTCL: 04-01/PTCC/2466/Tr-1/4615	19.07.2018
(ii)	BSNL: IC/MBI/PTCC/MP-567	15.06.2019
(iii)	Central Railway: N.153/PTCC/220kV/MP-22 received through MPPTCL email dated 20.12.2021	31.07.2018
(iv)	Defense: B/46937/ Sigs 7(b)/1223	14.09.2018

संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्ताव की जांच की गई है। बीएसएनएल के टेलिकॉम केबल 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 केबल 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: उपरोक्त अनुसार

राजेश कुमार सिंह
15.02.22

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.	Chief Engineer (Plg. & Design)	MPPTCL, Block No. 3, Shakti Bhawan, Rampur, Jabalpur - 482008	Copy for information

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अमृत महोत्सव

भारत सरकार
Government of India
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Central Electricity Authority
विद्युत संचार विकास प्रभाग
Power Communication Development Division

CEA Case No. : MP-440
PTCC proposal of 220 kV DCDS line from Gudgaon (220 kV S/S) to Betul (220 kV S/S) (46.771 km)

Reference:		
S. No.	Reference No.	Dated
(i)	MPPTCL: 04-01/PTCC/2466/Tr-1/4615	19.07.2018
(ii)	BSNL: IC/MBI/PTCC/MP-567	15.06.2019
(iii)	Central Railway: N.153/PTCC/220kV/MP-22 received through MPPTCL email dated 20.12.2021	31.07.2018
(iv)	Defense: B/46937/ Sigs 7(b)/1223	14.09.2018

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), Central Railway has issued 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.

Raghunada Prasad Singh
18.02.22
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.	
2.	Chief Engineer (Plg. & Design)	MPPTCL, Block No. 3, Shakti Bhawan, Rampur, Jabalpur - 482008	Copy for information

Annex - I

CEA Office Case No.: MP-440		Map Scale: 1:50,000			
DET (PTCC) Office Case No.: IC/MBI/PTCC/MP-567		Route Length: 46.771 Kms			
Railway Office Case No.:		Average SR Value: 25000 Ohm cms			
Name of Power Line		220KV DCDS line from 220KV S/s Betul to proposed 220KV S/s Gudgaon.			
S. No.	Name of Telecom Line/ Cable	Length of Parallelism in Kms.	Mutual Coupling in Ohms	Fault Current in Amps	Induce Voltage in Volts
	BETUL SSA				
	SDOT Betul				
(A)	Betul Bazar T/Exchange	}	}	}	}
(1)	Exchange to Main Cabinet - 400 Pair				
(2)	Cabinet to Betul Road - 100 Pair				
(3)	Cabinet to Milanpur - 100 Pair				
(4)	Cabinet to Barvi Road - 100 Pair				
(5)	Cabinet to Union Bank - 100 Pair				
(6)	Distribution lines inside the town - 50 & 20 & 10 & 5 Pair				
(B)	Bhadus T/Exchange				
(1)	Exchange to Khedi Road - 20 Pair				
(2)	Exchange to Betul Road - 100 Pair				
(3)	Exchange to Rondha - 50 Pair				
(4)	Exchange to Dhondwada - 20 Pair				
(5)	Distribution lines inside the village - 50 & 20 & 10 & 5 Pair				
(C)	Kolgaon T/Exchange				
(1)	Exchange to Gorakhar Road - 50 Pair				
(2)	Exchange to Athner Road - 50 Pair				
(3)	Exchange to Selgaon Road - 50 Pair				
(4)	Distribution lines inside the village - 50 & 20 & 10 & 5 Pair				
	SDOT Bhainsdehi				
(A)	Bhainsdehi T/Exchange	}	}	}	}
(1)	Exchange to Marimata Chowk Cabinet - 200 Pair				
(2)	Cabinet to Barhpur - 50 Pair				
(3)	Cabinet to Nawapur - 20 & 20 Pair				
(4)	Cabinet to Katol - 50 Pair				
(B)	Gudgaon T/Exchange				
(1)	Exchange to Main Cabinet - 200 Pair				
(2)	Cabinet to Chikapur - 50 Pair				
(3)	Cabinet to Dhamangaon - 50 & 20 Pair				
(4)	Cabinet to Pohar - 50 Pair				

IV less than 430V

IV less than 430V

Prateek
 Prateek Prateek Prateek Prateek Prateek
 (Name) (Name) (Name) (Name) (Name)
 Associate Director-II
 Central Power Distribution C.D.F.A.

(C)	Vijaygram T/Exchange				
(1)	Exchange to Main Cabinet - 200 Pair	}	IV less than	430 V	
(2)	Cabinet to Basner Khurd - 20 Pair				
(3)	Cabinet to Basnerkala - 20 Pair				
(4)	Cabinet to Basnerkala Jod - 50 & 20 Pair				
(D)	Jhallar T/Exchange				
(1)	Exchange to Amla - 10 Pair				

Prateek

एनईपी डायरेक्टर/NEERI DIRECTOR
 राष्ट्रीय निदेश-11, New Delhi
 केन्द्रीय विद्यापीठ/PCIEA,
 विद्युत मंत्रालय/Ministry of Power
 भारत सरकार/Govt. of India
 नई दिल्ली/New Delhi

Tele : 23019746

Annex 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)/1223/

14 Sep 2018

Chief Engineer (Procurement)
Madhya Pradesh Power Transmission Co. Ltd.
Block No 3, Shakti Bhawan,
Rampur, Jabalpur (MP) 482008

MP-440

**PTCC ROUTE APPROVAL FOR CONSTRUCTION OF 220 KV DCDS LINE
FROM BETUL (220 KV S/S) TO PROPOSED (220 KV S/S) GUDGAON**

1. Ref your letter No 04-01/ PTCC/2466/TR-I/4615 dt 19 Jul 2018. (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 returned herewith for your further action.

A. Rawat
(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.

10/2/18

28/9

28/9/18
1.10.18
PTCC
PD
28/9

