



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

Case No.: MP-447

PTCC proposal for 400 kV DCDS line from 400 kV S/S Pithampur to Proposed 400 kV S/S Badnawar: 71.223 km

Reference:

S. No.	Reference No.	Dated
(i)	MPPTCL : 04-01/PTCC/2578/TR-I/7262	01.10.2018
(ii)	BSNL: IC/MBI/PTCC/MP-574	17.01.2019
(iii)	Western Railway: SG 158/28/10/L188 (received on 21.01.2021)	01.03.2019
(iv)	Defense: B/46937/Sigs 7(b)/1273	21.01.2019

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. Western Railway vide reference (iii) has intimated that there is no railway track within 8 km boundary from the proposed power line and given their consent for PTCC route approval for the proposed power line. The Defense Authority have accorded NOC vide above reference (iv) for this line. (a copy is enclosed at Annexure-II)

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

Encl.: As above.

Digitally signed by RAGHUVENDRA PRATAP SINGH
Date: 2021.07.28 12:07:39 IST

To,

Director

1.	Divisional Engineer (PTCC), Western Zone	BSNL; O/o DET (PTCC), QA & Inspection Circle, 3 rd Floor, D-Wing, BSNL Admin Building, Juhu Tara Road, Santacruz (West), Mumbai-400054.	
2.	Chief Engineer (Procurement)	Madhya Pradesh Power Transmission Co. Ltd.; Block No. 3, Shakti Bhawan, Rampur, Jabalpur-482008.	Copy for information

M/c

(Annexure-I)

CEA Office Case No.: MP-447		Map Scale: 1:50,000			
DET (PTCC) Office Case No.: IC/MBI/PTCC/MP-574		Route Length: 71.223 Kms			
Railway Office Case No.:		Average SR Value: 10,000 Ohm cms			
Name of Power Line		400KV DCDS line from 400KV S/s Pithampur to proposed 400KV S/s Badnawar.			
S. No.	Name of Telecom Line/ Cable	Length of Parallelism in Kms.	Mutual Coupling in Ohms	Fault Current in Amps	Induce Voltage in Volts
	DHAR SSA				
	SDOP Pithampur				
(1)	Pithampur T/Exchange				
	Exchange to Location (A) – 400 Pair				
	Exchange to Location (B) – 400 Pair				
	Exchange to Location (C) – 200 Pair				
	Location (B) to Location (D) – 200 Pair				
	Location (B) to Location (E) – 100 Pair				
	Location (E) to Location (F) – 100 Pair				
	Location (E) to Location (G) – 50 Pair				
(2)	Badnawar T/Exchange				
	Exchange to Location (A) – 800 Pair				
	Location (A) to Location (B) – 400 Pair				
	Location (B) to Location (C) – 200 Pair				
	Location (B) to Location (D) – 100 Pair				
	Location (B) to Location (E) – 50 Pair				
	Location (C) to Location (F) – 20 Pair				
(3)	Bakhatgarh T/Exchange				
	Exchange to Location (A) – 100 Pair				
	Exchange to Location (B) – 50 Pair				
	Exchange to Location (C) – 20 Pair				
(4)	Multhan T/Exchange				
	Exchange to Location (A) – 100 Pair				
	Exchange to Location (B) – 50 Pair				
	Exchange to Location (C) – 20 Pair				
(5)	Kanwan T/Exchange				
	Exchange to Location (A) – 100 Pair				
	Exchange to Location (B) – 50 Pair				
(6)	Makni T/Exchange				
	Exchange to Location (A) – 100 Pair				
	Exchange to Location (B) – 50 Pair				

IV less than 430V

(संज्ञा/TAN II)
सहायक निदेशक-II/Asst. Director-II
केन्द्रीय विद्युत प्राधिकरण/C.E.F.
विद्युत मंत्रालय/Ministry of Power
भारत सरकार/Govt. of India
नई दिल्ली/New Delhi-66

Tele : 23019746

(Annexure-II)

MP-447

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

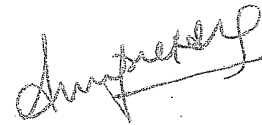
B/46937/Sigs 7(b)/1273/

21 Jan 2019

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

**CONSTRUCTION OF 400KV DCDS LINE FROM 400KV S/S PITHAMPUR TO PROPOSED
400KV S/S BADNAWAR PTCC ROUTE APPROVAL**

1. Ref your letter No 04-01/PTCC/2578/TR-I/7262 dt 01 Oct 2018 (Copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheet received under your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary 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.