



सत्यमेव जयते

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.: MP-441
PTCC proposal for 220 kV DCDS line from 220 kV Sabalgarh S/S to proposed 220 kV Sheopur S/S: 110 km

Reference:		
S. No.	Reference No.	Dated
(i)	MPPTCL : 04-01/PTCC/2556/TR-I/4721	23.07.2018
(ii)	BSNL: PTCC/WR/2020-21/MP-562	16.08.2021
(iii)	North Central Railway: NCR/S&T/2074/telecom/PTCC	20.09.2018
(iv)	Defense: B/46937/Sigs 7(b)/1225	14.09.2018

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on telecom cables of BSNL and Block & Telecom circuits of North Central Railway with respect to details furnished vide above references (ii) and (iii) respectively has been computed. The voltages likely to be induced on paralleling telecom cables of BSNL and Block & Telecom circuits of North Central Railway under Single Line to Ground fault condition are enclosed at Annexure-I and Annexure-II respectively. The screening factors, as applicable, have been considered. The Defense Authority have accorded NOC vide above reference (iv) for the proposed power line. (a copy enclosed at Annexure-III)

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: 2021.12.06 10:59:12 +05'30'

Director

To,

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.	Annexure-I and Annexure-III only
2.	ASTE/HQ	North Central Railway; HQ's Office (S&T Branch), Ganga Parisar, Subedarganj, Allahabad-211015	Annexure-II only
3.	Chief Engineer (Planning & Design)	Madhya Pradesh Power Transmission Co. Ltd.; Block No. 3, Shakti Bhawan, Rampur, Jabalpur-482008.	Copy for information

MLC

CEA Case No: MP-441

(Annexure - I)

Name of Power

line: 220 KV DCDS line from 220 KV Sabalgarh S/S to proposed 220 KV Sheapur S/S: 110 Km; SR: 7, Sooran

Page 2 of 2

Details of BSNL U/G Cables (Excluding Optic Fibre Cable)

S. No.	Name of Telecom Line/ Cable	No. of Pair
1.	Wardapur Exchange Δ	
2.	Phadhor Exchange Δ	IV
3.	Sheapur to Saincala to Tillapur 12F OFC the U/G is along the main Road as shown on map.	less than 430V
4.	Sheapur to Wardapur to Phadhor 2F OFC. U/G is along the canal as shown on map.	

Tanuj

(1/2)

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

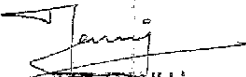
ANNEXURE - II

CEA Case No.: MP-441 Name of the Power line: 220 kV DCDS line from 220 kV Sabalgarh S/S to proposed 220 kV Sheopur S/S.		Map Scale : 1 cm=500 m Total Length : 110 km S.R. Value : 7,500 ohm-cm			
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	IV in Volts.

North Central Railway: NCR/S&T/2074/telecom/PTCC dated :20.09.2018

Affected Blocks & Telecom Circuits Details

1	Sheopur Kalan - Dantarda Kalan	Outside IV Consideration Zone			00
2	Dantarda Kalan - Gridharpur	Outside IV Consideration Zone			00
3	Gridharpur - Durgapuri	Outside IV Consideration Zone			00
4	Durgapuri - Khojeeपुरा	Outside IV Consideration Zone			00
5	Khojeeपुरा - Sheroni Road	7.4	0.0013	5364	07
6	Sheroni Road - Tarrakalan	4.1	0.0023	5500	13
7	Tarrakalan - Ikdori	8.8	0.0125	5509	69
8	Ikdori - Sillipur	8.3	0.0121	5270	64
9	Sillipur - Birpur	12.6	0.0073	6091	45
10	Birpur - Kaimarkalan	7.6	0.0075	7182	54
11	Kaimarkalan - Bijapur Road	9.8	0.0088	7727	68
12	Bijapur Road - Rampahari	4.7	0.0017	8000	14
13	Rampahari - Sabalgarh	8.7	0.0056	8855	50
14	Sabalgarh - Piplawali Chowki	Out of Parallelism			00


TANUJ

सहायक निदेशक-II/Asst. Director-II
राष्ट्रीय विद्युत प्राधिकरण/C.E.A.
विद्युत मंत्रालय/Ministry of Power
भारत सरकार/Govt. of India
नई दिल्ली/New Delhi-66

Tele : 23019746

(Annexure - III)

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

B/46937/Sigs 7(b)/1225/

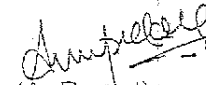
14 Sep 2018

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

- [MP-441]

PTCC ROUTE APPROVAL FOR CONSTRUCTION OF 220 KV DCDS LINE FROM
SABALGARH (220 KV S/S) TO PROPOSED (220 KV S/S) SHEOPUR

1. Ref your letter No 04-01/ PTCC/2556/TR-I/4721 dt 23 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)
Maj
GSO 1 (Comm)
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.