



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-445

PTCC proposal for 220 kV DCDS line from the proposed 220 kV S/S Kanwan to 220 kV S/S Dhar under Phase-I project of Green Energy Scheme of MNRE, GoI : 31.678 km

Reference:		Dated
S. No.	Reference No.	
(i)	MPPTCL : 04-01/PTCC/2469/TR-I/7595	09.10.2018
(ii)	BSNL: IC/MBL/PTCC/MP-576	19.02.2019
(iii)	Western Railway: SG.158/28/10(L-190) (received on 21.01.2021)	23.12.2019
(iv)	Defense: B/46937/Sigs 7(b)/1291	06.12.2018

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on telecom cables of BSNL and Block & Telecom circuits of Western 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 Western 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: RAJIV KUMAR PRATAP SINGH
Date: 2021.07.19 11:02:19 IST

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.	Dy. CSTE	Western Railway: O/o CSTE, S&T Dept., 5 th floor, Station Building, Church gate, Mumbai-400020.	Annexure-II only
3.	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-445	Map Scale: 1:50,000
DET (PTCC) Office Case No.: IC/MBI/PTCC/MP-576	Route Length: 31.678 Kms
Railway Office Case No.:	Average SR Value: 7,500 Ohm cms

Name of Power Line **220KV DCDS line from 220KV S/s Dhar to proposed 220KV S/s Kanwan under Phase-I Project of Green Energy Scheme of MNRE of GoI**

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				
	SDOT Dhar/Badnawar & SDOP Dhar				
(1)	Makni (Nagda) Exch to Makni (Nagda) Village - 200 Pair	IV less than 430V			
(2)	Makni (Nagda) Exch to Makni (Nagda) Village - 100 Pair				
(3)	Bidwal Exch to Bidwal Village - 100 Pair				
(4)	Karod Kalan Exch to Karod Kalan Village - 200 Pair				
(5)	Tisgaon Exch to Tisgaon Village - 100 Pair				
(6)	Gunawad Exch to Gunawad Village - 50 Pair				
(7)	Gunawad Exch to Gunawad Village - 50 Pair				
(8)	Dedla Exch to Dedla Village - 50 Pair				
(9)	Dedla Exch to Dedla Village - 50 Pair				
(10)	Dhar City Ghoda Choupati to Indore Naka - 1200 Pair				
(11)	Ghoda Choupati to Mandu Road - 400 Pair				
(12)	Ghoda Choupati to Dhar City - 1200/800 Pair				
(13)	Ghoda Choupati to Ratlam Road - 200 Pair				
(14)	Ghoda Choupati to Devi Sagar Road - 400/200 Pair				


तनुज / TANUJ


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

ANNEXURE - II**Case No.: MP-445****Name of the Power line:** 220 kV DCDS line from the proposed 220 kV S/S Kanwan to 220 kV S/S Dhar under Phase-I project of Green Energy Scheme of MNRE, GoI.**Map Scale** : 1 cm=500 m**Total Length** : 31.678 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.	I.V in Volts.
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Western Railway Ref. No: SG. 158 /28 / 10 (L-190) Dated: 23-12-2019**Affected Blocks & Telecom Circuits Details**

1	Sagor to Gunawad	Outside IV consideration zone			00
2	Gunawad to Dhar	13.2	0.0024	7521	18
3	Dhar to Tirla	1.1	0.0001	6356	01


तनुज तानुजी
सहायक निदेशक-II/Asstt. Director-II
केंद्रीय विद्युत प्राधिकरण / C.E.A.
विद्युत मंत्रालय/Ministry of Power
भारत सरकार/Government of India
नई दिल्ली/New Delhi-110003

Tele : 23019746

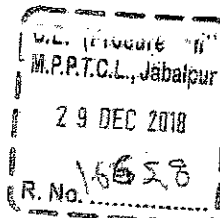
(Annexure - III)

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

B/46937/Sigs 7(b)/1291/

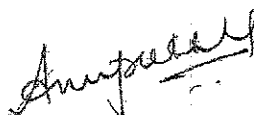
06 Dec 2018

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



**PTCC ROUTE APPROVAL FOR CONSTRUCTION OF 220KV DCDS LINE FROM
220KV S/S DHAR TO PROPOSED 220KV S/S KANWAN UNDER PHASE-I PROJECT
OF GREEN ENERGY SCHEME OF MNRE GoI**

1. Ref your letter No 04-01/PTCC/2469/TR-I/7595 dt 09 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

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.