



सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
पावर कम्युनिकेशन डवलपमेंट प्रभाग
Power Communication Development Division

No. CEA/PCD/PTCC/MP-427/105-07

Date: 24/01/2019

DET (PTCC), Inspection Circle,
Bharat Sanchar Nigam Limited (BSNL),
3rd Floor, D-Wing, BSNL Admin Bldg.
Juhu Tara Road, Santacruz (West),
Mumbai – 400 054

Subject: PTCC Route Approval for 220kV D/C Sabalgarh - Morena CWRTL(Rithora) T/L

Ref. (i) BSNL no. IC/MBI/PTCC/MP-525 dated 27/03/2018
(ii) NC Railway no. NCR/S&T/2074/Telecom/PTCC dated 12/09/2018
(iii) Defense no. B/46937/Sigs 7(b)/991 dated 27/03/2018

Sir,

The low frequency induction on telecom circuits BSNL and Railway with respect to details furnished vide above ref. (i) and (ii) has been examined. The soil resistivity value has been taken as 10000 & 50000-ohm cm, as intimated by the Power Authority (MPPTCL). The voltages likely to be induced on telecom circuits of BSNL and Railway under SLG fault condition have been computed and are enclosed at Annex-I & II respectively. The screening factors, as applicable, have been considered. Defense has accorded NOC vide above ref.(iii), a copy enclosed at Annex-III.

Taking above into consideration, kindly take necessary action regarding issue of PTCC route approval

Encl.: As above


(Naresh Bhandari)
Chief Engineer

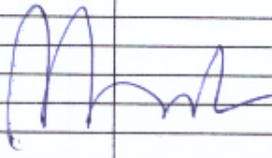
Copy to:

1. ASTE/HQ, North Central Railway, HQ's Office (S&T Branch) Ganga Parisar, Subedarganj, Allahabad-211 015 (Annexure-II only)
2. Chief Engineer (Procurement), MPPTCL, Block No.3 Shakti Bhawan, Rampur, Jabalpur (M.P.)-482008

M/C

ANNEXURE-II

Case No.: MP-427					
Name of the Power line: 220kV D/C Sabalgarh - Morena CWRTL(Rithora) T/L		Map Scale : 1cm=500mts Total Length : 94.375 Km. S.R. Value : 10000, 50000 Ohms-cm			
S. No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V. in Volts.

NORTH CENTRAL RAILWAY					
Ref. No. NCR/S&T/2074/Telecom/PTCC		Date : 12/09/2018			
Gwalior-Sheopurkalan Section					
1	Rampahari-Sabalgarh	Out of parallelism			0
2	Sabalgarh-Piplawali Chowki	3.6	0.0170	9635	164
3	Piplawali Chowki-Semai	5.0	0.0218	9030	196
4	Semai-Kailaras	9.0	0.0225	7850	177
5	Kailaras-Bhatpura	8.0	0.0200	7060	141
6	Bhatpura-Shikroda	3.5	0.0200	6650	133
7	Shikroda-Jora Alapur	7.5	0.0060	5720	34
8	Jora Alapur-Thora	4.0	0.0018	5060	9
9	Thora-Sumaoli	7.0	0.0030	5940	18
10	Sumaoli-Ambakeshwar	5.5	0.0007	6660	5
Gwalior-Dhoulpur Section					
1	Banmore- Nurabad	Out of parallelism			0
2.	Nurabad-Sank	2.0	0.0004	7550	3
3.	Sank-Morena	1.2	0.0071	7440	53
Gwalior-Bhind Section					
1	Bhadroli-Sanichara	Out of parallelism			0
2	Sanichara-Rithaura Kalan	1.5	0.0021	9950	20
3	Rithaura Kalan-Malanpur	1.0	0.0040	9950	40
4	Malanpur-Nonera.	Out of parallelism			0
					
<p>नरेश भंडारी / NARESH BHANDARI मुख्य अभियंता / Chief Engineer केन्द्रीय विद्युत प्राधिकरण / C.E.A. विद्युत मंत्रालय / Ministry of Power भारत सरकार / Govt. of India नई दिल्ली / New Delhi-66</p>					

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)/991/

27 Mar 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 SABALGARH TO PROPOSED 400/220 KV S/S MORENA
CWRTL (RITHORA)**

1. Reference your letter No. 04-01/PTCC/2535/TR-I/819 dt 22 Jan 218.
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.

S.E. - I	S.E. - II	S.E. - III
E.E. (TK-I)	E.E. (S/s-I)	E.E. (TR-I)
E.E. (TK-II)	E.E. (S/s-II)	E.E. (TR-II)
E.E. (TK-III)	E.E. (S/s-III)	E.E. (PPP)
E.E. (TK-IV)	E.E. (S/s-IV)	E.E. (PMU)
E.E. (TK-V)		S.O.

(A.V Umdekar)
Lt Col
GSO 1 (Comn)
for SO-in-C

Copy to :-

The Director (PTCC), CEA,
NREB Complex,
18-A, Shaheed Jeet Singh Marg,
Katawaria Sarai, New Delhi - 16

- For information.

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