



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-436 /228-225

Date: 21/02/2019

DET (PTCC), Inspection Circle,
Bharat Sanchar Nigam Limited,
3rd Floor, D-Wing, BSNL Admin Bldg.
Juhu Tara Road, Santacruz (West),
Mumbai-400054

Subject: PTCC Route Approval for 220kV D/C Shri Singaji(TPS-II) – Pithampur T/L

Ref (i) BSNL Ltr.No.IC/MBI/PTCC/MP-555 dt. 15/01/2019
(ii) Defense Letter No.B/46937/Sigs 7(b)/1158 dt. 08/08/2018

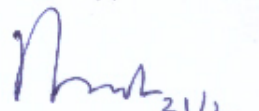
Sir,

The low frequency induction on telecom cables of BSNL and Railway with respect to details furnished vide above reference (i) has been computed. Railway section details has been taken from Topo map. The average Soil Resistivity (SR) value has been taken as 25,000 Ohm Cm, as intimated by the Power Authority, Madhya Pradesh Power Transmission Co.Ltd.(MPPTCL). The voltages likely to be induced on paralleling telecom circuits of BSNL and Railway under Single Line to Ground 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.(ii) for the above line (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. GM(S&T), Western Railway, Office of CSTE,S&T Dept.5th Floor, Station Building,Churchgate,Mumbai-400020(Annexure-II only)
2. Chief Engineer(Procurement), MPPTCL, Block No.3 Shakti Bhawan,Rampur,Jabalpur,(M.P.)-482008

MIC

ANNEXURE - I

Case No:MP-436 Name of the Power line: 220kV D/C Shri Singaji(TPS-II) – Pithampur T/L		Map Scale : 1cm=500mts Total Length : 138.345 Km. S.R. Value : 25,000 Ohms-cm			
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.

BSNL DETAIL		
Ref. No. IC/MBI/PTCC/MP-555	Dated at Mumbai, the 15/01/2019	
Pithampur Exchange	Out of Parallelism	
Exchange to Location(A)-400 Pair		
Exchange to Location(B)-200 Pair		
Exchange to Location(C)-100 Pair		
Exchange to Location(D)-50 Pair		



नरेश भंडारी / NARESH BHANDARI
मुख्य अभियन्ता / Chief Engineer
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-436
 Name of the Power line:
 220kV D/C Shri Singaji(TPS-II) – Pithampur T/L

Map Scale : 1cm=500mts
 Total Length : 138.345 Km.
 S.R. Value : 25,000 Ohms-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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WETERN RAILWAY

Nimarkhedi-Sanawad	3.5	0.01136	6740	76
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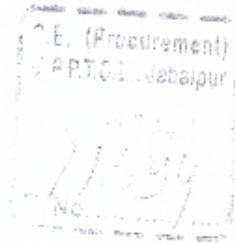
Note: Above information has been extracted from Topo map.

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

ANNEX-III

MP-436

Tele : 23019746



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


B/46937/Sigs 7(b)/1158

08 Aug 2018

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

**CONSTRUCTION OF 400 KV DCDS LINE FROM SHRI SINGAJI (TPS-II) 400 KV S/s
TO PITHAMPUR (400 KV S/s) PTCC ROUTE APPROVAL**

1. Reference your letter No 04-01/PTCC/2578/TR-1/2976 dt 12 Jun 2018 (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheets received under your above mentioned letter.
3. Documents alongwith Map Sheets in original are returned herewith for your further necessary action


(A Raawat)
Maj
GSO 1 (Comn)
for SO-in-C

Enclosures : (As above)

Copy to :-

Director(PTCC)
Central Electricity Authority
Power Communication Development Division
NRPC Complex, 18-A, Shaheed Jeet Singh S Marg
Katwaria Sarai, New Delhi - 110016

- For information.