



भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
केन्द्रीय विद्युत प्राधिकरण  
Central Electricity Authority  
विद्युत संचार विकास प्रभाग  
Power Communication Development Division  
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Case No.: MP-468  
PTCC proposal of LILO of one circuit of 220 kV Astha to Dewas DCDS transmission line from LILO point Tr. No. 62 to proposed 220 kV S/S Chapda: 34.15 km

Reference:		
S. No.	Reference No.	Dated
(i)	MPPTCL : 04-01/PTCC/2365/TR-1/5780	18.09.2019
(ii)	BSNL: IC/MBI/PTCC/MP-644	22.11.2019
(iii)	Western Railway:SG.158/28/10/L-224	09.02.2021
(iv)	Defense: B/46937/Sigs 7(b)/1863	27.12.2019

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 railway lines are out of the 8 km area of 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 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: 2021.09.16 17:28:11 IST

To,

Director

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

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(Annexure - I)

CEA Office Case No.: <b>MP-468</b>	Map Scale: 1:50,000
DET (PTCC) Office Case No.: IC/MBI/PTCC/MP-644	Route Length: 34.150 Kms
Railway Office Case No.:	Average SR Value: <b>15,000</b> Ohm-cms
Name of Power Line	<b>LILO of one circuit of 220KV Ashta - Dewas line from Tr. No. 62 at proposed 220KV S/s Chapda.</b>

S. No.	Name of Telecom Line/ Cable	Length of Parallelism in Kms.	Mutual Coupling in Ohms	Fault Current in Amps	Induce Voltage in Volts
	DEWAS SSA				
	SDOT Sonkatch				
(A)	Bhourasa T/Exchange	}			Out of Parallelism
	Exch to Location (1) - 400 Pair				
(C)	Hatpipliya T/Exchange	}			IV less than 430V
	Exch to Location (1) - 100 Pair				
	Exch to Location (2) - 400 Pair				
	Exch to Location (3) - 800 Pair				
(E)	Sunversi T/Exchange	}			Out of Parallelism
	Exch to Location (1) - 50 Pair				
	Exch to Location (2) - 100 Pair				
(F)	Phawda T/Exchange	}			
	Exch to Location (1) - 50 Pair				
	Exch to Location (2) - 100 Pair				
(G)	Sonkatch T/Exchange	}			
	Exch to Location (1) - 400 Pair				
	Exch to Location (2) - 800 Pair				
(I)	Bawai T/Exchange	}			IV less than 430V
	Exch to Location (1) - 200 Pair				
(J)	Mankund T/Exchange	}			
	Exch to Location (1) - 100 Pair				
(K)	Chapda T/Exchange	}			
	Exch to Location (1) - 100 Pair				
	Exch to Location (2) - 400 Pair				
(L)	Bagli T/Exchange	}			Out of Parallelism
	Exch to Location (1) - 100 Pair				
	Exch to Location (2) - 400 Pair				
	Exch to Location (3) - 800 Pair				

(Q)	Newari T/Exchange	}	IV less than 430V			
	Exch to Location (1) - 100 Pair					
	Exch to Location (2) - 400 Pair					
(R)	Jamgod T/Exchange	}	Out of Parallelism			
	Exch to Location (1) - 50 Pair					
	Exch to Location (2) - 100 Pair					
(S)	Devgarh T/Exchange	}	IV less than 430V			
	Exch to Location (1) - 100 Pair					
(W)	Kaumawad T/Exchange	}	IV less than 430V			
	Exch to Location (1) - 100 Pair					
	Exch to Location (2) - 400 Pair					

*Tanuj*

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

KIP-468

(Annexure-II)

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

B/46937/Sigs 7(b)/1863/

Dec 2019

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

**CONSTRUCTION OF LILO OF ONE CIRCUIT OF 220KV ASHTA-DEWAS DCDS LINE FROM  
TR.NO.-62 AT 220KV S/S PROPOSED 220KV S/S CHAPDA-PTCC ROUTE APPROVAL**

1. Ref your letter No 04-01/PTCC/2365/TR-I/5780 dt 18 Sep 2019. (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

Divisional Engineer Telegraph (PTCC)  
O/o GM (North); BSNL, QA & Inspection Circle,  
CTS Compound, Africa Avenue Road,  
Netaji Nagar, New Delhi-110023

for information

