



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-464

PTCC proposal for LILO of both circuit of 220 kV Ujjain to Badod (line-2) from LILO point Tr. No. 23 at proposed 400 kV S/S Ujjain (Tajpur): 5.691 km

Reference:

S. No.	Reference No.	Dated
(i)	MPPTCL : 04-01/PTCC/2491-A/TR-I/5182	30.08.2019
(ii)	BSNL: IC/MBI/PTCC/MP-634	25.01.2020
(iii)	Western Railway: SG.158/28/10 (L-220) (received on 21.01.2021)	24.01.2020
(iv)	Defense: B/46937/Sigs 7(b)/1824	14.11.2019

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide reference (ii) has intimated that there are no BSNL cables (U/G as well as O/H)) in the route of the proposed power line. Hence, IV calculation for BSNL cables is not required. The LF induction on Block & Telecom circuits of Western Railway with respect to details furnished vide above reference (iii) has been computed. The voltages likely to be induced on paralleling Block & Telecom circuits of Western Railway under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors, as applicable, have been considered. The Defense Authority have accorded NOC vide above reference (iv) for this line. (a copy is enclosed at Annexure-II)

Taking above into consideration, necessary action regarding issuance of PTCC route approval may be taken.

Encl.: As above.

Signature Not Verified
Digitally signed by RAJESHVENDRA
PRATAP SINGH
Date: 2021.07.29 16:24:34 IST

Director

MIC

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-II only
2.	Dy. CSTE	Western Railway; O/o CSTE, S&T Dept., 5 th floor, Station Building, Church gate, Mumbai-400020.	Annexure-I only
3.	Chief Engineer (Procurement)	Madhya Pradesh Power Transmission Co. Ltd.; Block No. 3, Shakti Bhawan, Rampur, Jabalpur-482008.	Copy for information

ANNEXURE - I

Case No.: MP-464

Name of the Power line: LILO of both circuit of 220 kV Ujjain to Badod (line-2) from LILO point Tr. No. 23 at proposed 400 kV S/S Ujjain (Tajpur).

Map Scale : 1 cm=500 m
Total Length : 5.691 km
S.R. Value : 5,000 ohm-cm

S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
-------	------------------	------------------------------	--------------------------	----------------------------------	---------------

Western Railway Ref. No: SG.158/28/10 (L-220)

Dated: 24-01-2020

Affected Blocks & Telecom Circuits Details

1	Naikheri to Sipra Bridge	Outside IV consideration zone			00
2	Sipra Bridge to Ujjain	Outside IV consideration zone			00
3	Ujjain to Ujjain 'C' Cabin	Outside IV consideration zone			00
4	Ujjain 'C' Cabin to Vikaram Nagar	Outside IV consideration zone			00
5	Vikaram Nagar to Matana Buzurg	Outside IV consideration zone			00
6	Ujjain to Pingleshwar	Outside IV consideration zone			00
7	Pingleshwar to Tajpur	2.5	0.0002	8929	02
8	Tajpur to Tarana Road	Outside IV consideration zone			00



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

Tele : 23019746

(Annexure-II)

~~MP-464~~ MP-464

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

B/46937/Sigs 7(b)/1824/

Nov 2019

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

CONSTRUCTION OF 220KV DCDS LINE FOR LILO OF BOTH CIRCUITS OF 220KV DCDS
UJJAIN- BADOD (LINE-2) FROM TR. NO. 23 AT 400KV S/S UJJAIN-PTCC ROUTE
APPROVAL

1. Ref your letter No 04-01/PTCC/2491-A/TR-I/5182 dt 30 Aug 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