



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत संचार विकास प्रभाग
Power Communication Development Division

CEA Case No. : MP-489/449-450
PTCC proposal of Extension of 220 kV DCDS line from Tr.No. 83 of LILO-portion of 220 kV Indore-II (Jaitpura) – Indore 400 kV at 220 kV S/S Indore (N/Z) upto 765 kV S/S PGCIL Indore (10.418 km)

Reference:		
S. No.	Reference No.	Dated
(i)	MPPTCL: 04-02/PTCC/2681/PS/2047	26.08.2021
(ii)	BSNL: PTCC/WR/2021-22/MP-986	06.12.2021
(iii)	Western Railway: SG.158/28/10 (L-230) received through MPPTCL email dated 04.05.2022	01.10.2021
(iv)	Defense: B/46937/ Sigs 7(b)/2549	12.10.2021

The PTCC proposal submitted vide reference (i) has been examined. BSNL, vide above reference (ii), has informed that there are no O/H or U/G BSNL cable within the vicinity of 8 km from the proposed power line. 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. Vide reference (iv) above, the Defence Authority have issued No Objection Certificate (NOC) (a copy enclosed as Annex-II).

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

Encl.: As above.

डा. अशोक कुमार शर्मा
Director 03.06.2022

To,

1.	Divisional Engineer (PTCC), Western Zone	BSNL, Inspection Circle, 3 rd Floor, D-Wing, BSNL Admin Building, Juhu Tara Road, Santacruz (West), Mumbai-400054.	Only Annex-II
2.	GM (S&T)	Western Railway, Office of the CSTE, S&T Dept., 5 th floor, Station Building, Churchgate, Mumbai - 400020.	Only Annex-I
3.	Chief Engineer (Plg. & Design)	MPPTCL, Block No. 3, Shakti Bhawan, Rampur, Jabalpur - 482008	Copy for information

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Power Communication Development Division

के.वि.प्रा. केस सं. : MP-489/448-450
पी.टी.सी.सी. प्रस्ताव Extension of 220 kV DCDS line from Tr. No. 83 of LILO portion of 220 kV Indore-II (Jaitpura) – Indore 400 kV at 220 kV S/S Indore (N/Z) upto 765 kV S/S PGCIL Indore (10.418 km)

सन्दर्भ:		
क्रमांक	सन्दर्भ सं.	दिनांक
(i)	MPPTCL: 04-02/PTCC/2681/PS/2047	26.08.2021
(ii)	BSNL: PTCC/WR/2021-22/MP-986	06.12.2021
(iii)	Western Railway: SG.158/28/10 (L-230) received through MPPTCL email dated 04.05.2022	01.10.2021
(iv)	Defense: B/46937/ Sigs 7(b)/2549	12.10.2021

संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्ताव की जांच की गई है। बीएसएनएल ने उपरोक्त सन्दर्भ (ii) के द्वारा अवगत कराया है कि प्रस्तावित पावर लाइन के 8 कि.मी. परिधि में कोई बीएसएनएल O/H अथवा U/G नहीं मौजूद है। पश्चिम रेल के ब्लॉक एवं टेलिकॉम सर्किटों पर निम्न आवृत्ति प्रेरण गणना उपरोक्त संदर्भ (iii) में दिए गए विवरणों के संबंध में की गई है। सिंगल लाइन टू ग्राउंड फाल्ट अवस्था में समानांतर पश्चिम रेल के ब्लॉक एवं टेलिकॉम सर्किटों पर प्रेरित वोल्टेज अनुलग्नक -I में संलग्न है। स्क्रीनिंग कारक का मान यथानुरूप लिया गया है। रक्षा प्राधिकरण ने उपरोक्त सन्दर्भ (iv) के द्वारा अनापत्ति प्रमाण पत्र जारी किया है। (अनुलग्नक- II में संलग्न)। उपरोक्त को ध्यान में रखते हुए, पीटीसीसी मार्ग अनुमोदन जारी करने के संबंध में आवश्यक कार्रवाई की जाए।

संलग्न: ऊपरोक्त अनुसार

रायनेन्द्र प्रसाद सिंह
निदेशक
03.06.2022

To,

1.	Divisional Engineer (PTCC), Western Zone	BSNL, Inspection Circle, 3 rd Floor, D-Wing, BSNL Admin Building, Juhu Tara Road, Santacruz (West), Mumbai-400054.	Only Annex-II
2.	GM (S&T)	Western Railway, Office of the CSTE, S&T Dept., 5 th floor, Station Building, Churchgate, Mumbai – 400020	Only Annex-I
3.	Chief Engineer (Plg. & Design)	MPPTCL, Block No. 3, Shakti Bhawan, Rampur, Jabalpur – 482008	Copy for information

CEA Case No.: MP-489

ANNEXURE - I

Name of the Power line: Extension of 220 kV DCDS line from Tr. No. 83 of LILO portion of 220 kV Indore-II (Jaitpura) - Indore 400 kV at 220 kV S/S Indore (N/Z) upto 765 kV S/S PGCIL Indore

Map Scale : 1 cm=500 m
Total Length : 10.418 km
S.R. Value : 10,000 Ω -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-230) Dated: 01.10.2021

Affected Blocks & Telecom Circuits Details

1	Dewas - Barlai	Outside IV consideration zone			0
2	Barlai - Mangaliyagaon	5.5	0.0010	10000	10
3	Laxmibai Nagar - Palia	Outside IV consideration zone			0
4	Palia - Anjod				0
5	Mangaliyagaon - Laxmibai Nagar				0
6	Laxmibai Nagar - Indore				0
7	Indore - Rajendranagar				0

P. Prateek

श्रीवास्तव/PRATEEK SRIVASTAVA
आसि. निदेशक-I/Asstt. Director-I
राज्यीय विद्युत प्राधिकरण/C.E.A.
विद्युत मंत्रालय/Min. of Power
भारत सरकार/Govt. of India
नई दिल्ली/New Delhi-66

Tele : 23019746

Annex-II

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

12 Oct 2021

B/46937/Sigs 7(b)/2549/

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

**PTCC ROUTE APPROVAL FOR EXTENSION OF 220KV DCDS LINE FROM TR.
NO. 83 OF LILO PORTION OF 220KV INDORE-II (JAITPURA)-INDORE 400KV AT
220KV S/S INDORE (N/Z) UPTO 765KV S/S PGCIL, INDORE**

1. Refer your letter No 04-02/PTCC/2681/PS/2047 dt 26 Aug 2021 (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided as per 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)
Lt Col
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

✓ The DET (PTCC), Northern Zone
O/o PGM (North), QA & Inspection Circle,
D-Tax Building, Eastern Court, Janpath
New Delhi-110001

for information

927
26-10-21