



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.: BHR-169

PTCC proposal of LILO of 220 kV D/C Gaya PG to Sonenagar transmission line at 220/132/33 kV GSS Bodhgaya: 38.001 km

Reference:

S. No.	Reference No.	Dated
(i)	BSPTCL: Tele/PTCC/01/2021/12	08.01.2021
(ii)	BSNL: DE/PTCC/ER/Online/BSPTCL/Bihar/IV_cal(03)	01.09.2021
(iii)	East Central Railway: ECR-HQ0SnT(CPTC)/1/2020-O/o Dy. CSTE/HQ/ECR/1970	20.08.2021
(iv)	Defense: B/46937/ Sigs 7(b)/2304	24.02.2021

The PTCC proposal submitted vide reference (i) has been examined. The low frequency 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. East Central Railway vide reference (iii) has intimated that there is no railway line within the vicinity of 8 km from 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 is enclosed at Annexure-II)

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

Digitally signed by RAGHVENDRA BRATAP SINGH
Date: 2022.01.03 11:16:31 IST

Director

To,

1.	DET (PTCC), Eastern Zone	BSNL; QA & Inspection Circle, Q.A. Bhawan, EP-GP Block, Sector-V, Salt Lake, Kolkata- 700091.	
2.	Chief Engineer (System Operation)	BSPTCL, 4 th Floor, Vidyut Bhavan, Bailey Road, Patna-800021.	Copy for information

M/C

ANNEXURE - I

CEA Case No.: BHR-169 Name of the Power line: LILO of 220 kV D/C Gaya PG to Sonenagar transmission line at 220/132/33 kV GSS, Bodhgaya.			Map Scale : 1 cm=500 m Total Length : 38.001 km S.R. Value : 30,000 ohm-cm		
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.

BSNL: DE/PTCC/ER/Online/BSPTCL/Bihar/IV cal(03) Dated: 01.09.2021					
Affected Telecom Circuits Details					
1	Dobhi T.E.	IV less than 430 V			
2	Bodhgaya T.E.				



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

Tele : 23019746

BMR-169
(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)/2304/

24 Feb 2021

Chief Engineer (System Operation)
Bihar State Power Transmission Co. Ltd.
4th Floor, Vidyut Bhavan, Bailey Road
Patna-800 021

PTCC PROPOSAL FOR SEEKING PTCC CLEARANCE OF LILO OF 220KV
D/C GAYA PG-SONENAGAR TRANSMISSION LINE AT 220/132/33KV GSS
BODHGAYA

1. Refer your letter No ~~12/Tele/PTCC/01/2021~~ dt 08 Jan 2021 (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

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

for information