



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.: BHR-176
PTCC proposal of LILO of 220 kV D/C Begusarai – Purnea (PG) transmission line at 220/132/33 kV GSS Khagaria (New) (6.32 km)

Reference:		
S. No.	Reference No.	Dated
(i)	BSPTCL: Tele/PTCC/14/2021	17-08-2021
(ii)	BSNL: DET/PTCC/EBR170820202778/02	23.03.2021
(iii)	East Central Railway: ECR-HQ0SnT(CPTC)/1/2020-O/d Dy.CSTE/HQ/ECR	10.03.2021
(iv)	Defense: B/46937/Sigs 7(b)/2389	01.06.2021
		20.05.2021

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide above reference (ii) has intimated that there are no telecom lines within 8 kms of the proposed power line. The low frequency induction on block & telecom circuits of East Central Railway as per details furnished vide reference (iii) has been examined. Voltages likely to be induced on paralleling block & telecom circuits of East Central Railway under single line to ground fault condition are enclosed at Annexure-I. The screening factors as applicable have been considered. Vide ref. (iv) above, Defense have conveyed No Objection Certificate (a copy enclosed as Annexure-II).

Taking above into consideration, take necessary action for issuance of PTCC route approval.

Encl.: As above.

Signature Not Verified

Digitally signed by RAGHVEENDRA PRATAP SINGH
Date: 2021.08.17 17:35:48+IST

Director

To,			
1.	Divisional Engineer (PTCC), Eastern Zone	BSNL O/o DET(PTCC), Eastern Zone, QA & Inspection Circle, Q.A Bhawan, EP-GP Block, Sector-V, Salt lake, Kolkata-700091.	
2.	Dy. CSTE	East Central Railway, Office of the General Manager (S&T), Hajipur - 844118	Annexure -I only
3.	Chief Engineer (System Operation)	BSPTCL, 4 th Floor, Vidyut Bhawan, Bailey Road, Patna - 800021	Copy for information

ANNEXURE - I

Case No.: BHR-176		Map Scale : 1 cm = 500 m. Route Length : 6.32 km Soil Resistivity : 50,000 Ohm-cm			
Name of the Power Line: LILO of 220 kV D/C Begusarai - Purnea (PG) transmission line at 220/132/33 kV GSS Khagaria (New)					
S.No.	Telecom Details	Length of Parallelism (in km)	Mutual Coupling (Ohms)	Fault Current (Amps)	Induced Voltage (Volts)

EAST CENTRAL RAILWAY Ref. No: ECR-HQOSnT(CPTC)/1/2020-O/o Dy.CSTE/HQ/ECR dated 01.06.2021					
Affected Blocks & Telecom Circuits Details					
1	Gauchari - Pasraha				
2	Pasraha - Narayanpur				0
3	Narayanpur - Thanabihpur	0.8	0.0005	8000	4
					0

Prateek

प्रतीक प्रजापति/PRATEEK SINGH JASSTANA
सहायक निदेशक-II/Asstt. Director-II
केन्द्रीय विद्युत प्राधिकरण/C.E.A.
विद्युत मंत्रालय/Ministry of Power
भारत सरकार/Govt. of India
नई दिल्ली/New Delhi

Tele : 23019746

BMR-176

Annex-II

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

20 May 2021

B/46937/Sigs 7(b)/2389/

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

PTCC PROPOSAL FOR LILO PORTION OF 220KV D/C PURNEA (PG)-
BEGUSARAI AT GSS KHAGARIA NEW (220/132/33KV)

1. Refer your letter No 149/Tele/PTCC/14/2021 dt 23 Mar 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.

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

(A Rawat)
Lt Col.
GSO-1 (Comn)
for SO-in-C

A 23
MTC-UT
26/6
25/6

for information

