



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-174

PTCC proposal for 220 kV D/C Saharsa (New) – Khagaria (New) transmission line (73.002 km)

Reference:		Dated
S. No.	Reference No.	
(i)	BSPTCL: Tele/PTCC/01/2020/77	11.02.2021
(ii)	BSNL: DE/PTCC/ER/Bihar/BSPTCL/01	13.12.2021
(iii)	East Central Railway: ECR-HQ0SnT(CPTC)/1/2020-O/o Dy.CSTE/HQ/ECR/1935	20.05.2021
(iv)	Defense: B/46937/Sigs 7(b)/2349	31.03.2021

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on block & telecom circuits of East Central 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 East Central Railway under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors, as applicable, have been considered. Vide reference (ii), BSNL has intimated that there are no telecom circuits within the 8 km boundary of the proposed power line. The Defense Authority have accorded NOC vide above reference (iv) for the proposed power line (a copy enclosed as Annexure-II).

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

Encl.: As above.

Signature Not Visible

Digitally signed by RAGHUVENDRA PRATAP SINGH
Date: 2022.01.03 11:08:25 IST

Director

To

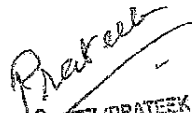
1.	Divisional Engineer (PTCC), Eastern Zone	BSNL O/o DET(PTCC), Eastern Zone, QA & Inspection Circle, Q.A Bhawan, EP-GP Block, Sector-V, Salt lake, Kolkata-700091.	
2.	Dy. CSTE	East. Central Railway, Office of the General Manager (S&T), Hajipur - 844118	Annexure -I only
3.	Chief Engineer (System Opertaion)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

M1.2

ANNEXURE - I

CEA Case No.: BHR-174		Map Scale : 1 cm = 500 m.			
Name of the Power Line: 220 kV D/C Saharsa (New) – Khagaria (New) transmission line		Route Length : 73.002 km			
		Soil Resistivity : 25,000 Ohm-cm			
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/1935 dated 20.05.2021					
Affected Blocks & Telecom Circuits Details					
1	Sonbarsa Kachhari – Saharsa	2.6	0.0003	8000	2
2	Saharsa – Pachgachhia	3.8	0.0045	8200	37
3	Pachgachhia – Garhbarwari	OUT OF PARALLELISM			0
4	Saharsa – Baijnathpur	6.2	0.0058	8600	50
5	Baijnathpur – Dauram Madhepura	2.9	0.0015	8000	12
6	Pasraha - Narayanpur	0.25	0.0001	9000	1


 प्रतीक श्रीवास्तव / PRATEEK SRIVASTAVA
 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

BHR-174D

Annex-II

Te: 23019746

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

B/46937/Sigs 7(b)/2349/

31 Mar 2021

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

**PROPOSAL FOR SEEKING PTCC CLEARANCE FOR 220KV D/C
SAHARSA NEW (PGCIL)-KHAGARIA NEW T/L**

1. Refer your letter No 77/Tele/PTCC/01/2020 dt 11 Feb 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

for information

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

428
12/4/21