



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

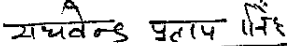
CEA Case No. : BHR-178 / 326-328
PTCC proposal of 220 kV D/C Saharsa – Begusarai transmission line (93.239 km)

Reference:		
S. No.	Reference No.	Dated
(i)	BSPTCL: Letter no. 196	03.05.2021
(ii)	BSNL: DET/PTCC/EBR160820213455/02	14.01.2022
(iii)	East Central Railway: ECR-HQ0SnT(CPTC)/1/2020-O/o Dy.CSTE/HQ/ECR/2010	23.10.2021
(iv)	Defense: B/46947/Sigs 7(b)/2431	16.06.2021

The PTCC proposal submitted vide reference (i) has been examined. BSNL, vide reference (ii) has informed that there are no telecom lines within 8 km from the power line. 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. The Defence Authority, vide above reference (iv) 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.


Director 4.05.22

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

File No.CEA-PS-17-11(13)/10/2022-PCD Division



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के.वि.प्रा. केस सं. : BHR-178
पी.टी.सी.सी. प्रस्ताव 220 kV D/C Saharsa – Begusarai transmission line (93.239 km)

क्रमांक	सन्दर्भ सं.	दिनांक
(i)	BSPTCL: Letter no. 196	03.05.2021
(ii)	BSNL: DET/PTCC/EBR160820213455/02	14.01.2022
(iii)	East Central Railway: ECR-HQ0SnT(CPTC)/1/2020-O/o Dy.CSTE/HQ/ECR/2010	23.10.2021
(iv)	Defense: B/46947/Sigs 7(b)/2431	16.06.2021

संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्ताव की जांच की गई है। बीएसएनएल ने उपरोक्त सन्दर्भ (ii) के द्वारा अवगत कराया है कि पावर लाइन के 8 कि.मी दायरे में कोई टेलिकॉम लाइन नहीं है। पूर्वीय मध्य 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 पूर्वीय मध्य 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

राधेन्द्र प्रताप सिंह
05.05.22
निदेशक

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

CEA Case No.: BHR-178 Name of the Power line: 220 kV D/C Saharsa – Begusarai transmission line			Map Scale : 1 cm=500 m Total Length : 93.239 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.

NORTHERN RAIWAY Ref. No: 342-SIG/1/PTCC/2020-21/02/04 Dated: 19.02.2021					
Affected Blocks & Telecom Circuits Details					
1	Koparia – Simri Baktiarpur	Outside IV consideration zone			0
2	Simri Baktiarpur – Sonbarsa Kachhari				0
3	Sonbarsa Kachhari - Saharsa				0
4	Saharsa - Pachgachhia				0
5	Pachgachhia - Garhbarwari				0
6	Saharsa - Baijnathpur				0
7	Garhpura - Salauna	Out of parallelism			0
8	Salauna - Imli	1.1	0.0027	6200	17
9	Imli – Olapur	Out of parallelism			0
10	Teghra - Barauni				0
11	Barauni - Tiltrath	2.5	0.0006	10000	6
12	Tiltrath - Begusarai	Outside IV consideration zone			0
13	Barauni - Garhara	0.4	0.0001	10000	1
14	Garhara - Semaria	Outside IV consideration zone			0

Prateek

श्रीक. प्रदीप/PRATEEK SRIVASTAVA
 सहायक निदेशक-II / Asstt. Director-II
 केन्द्रीय विद्युत आयोग / C.E.A.
 विद्युत मंत्रालय / Ministry of Power
 भारत सरकार / Govt. of India
 नई दिल्ली / New Delhi

Tel: 23019748

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


14 Jun 2021

645937/Sign 716/243 N

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

**PTCC PROPOSAL FOR SEEKING ROUTE APPROVAL CERTIFICATE FOR
230KV DC BARAKA-BEGULASAI TL LINE LENGTH-23.739KM**

1. Refer your letter No 196/Tel/PTCC/17/2021 dt 03 May 2021 (copy attn)
2. No Objection Certificate (NOC) is accorded based on inputs provided vide memo sheet received under your letter mentioned above.
3. Documentation, strength map sheets (in original) are returned herewith for your further necessary action.


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

Enclosure 4 as above

PTCC, GEA
 Planning & Development Division
 Lt Col (Retd) Jee Singh Malik
 New Delhi - 110016
 Lt Col (Retd) Jee Singh Malik
 Lt Col (Retd) Jee Singh Malik
 Lt Col (Retd) Jee Singh Malik

for information