

Government of India विद्युत मंत्रालय

Ministry of Power केन्द्रीय विद्युत प्राधिकरण

Central Electricity Authority पावर कम्यनिकेशन डवलप्मेंट प्रभाग

Power Communication Development Division

No.CEA./PCD/PTCC/BHR-138/2/3-235

Date:21.02.2019

DET (PTCC), Eastern Region, Inspection & QA Circle, BSNL Q.A. Bhawan, EP-GP Block, Sector-V. Salt Lake, Kolkata - 700091

Subject:

PTCC Route Approval for Shifting of 400kV D/C Kahalgaon-Banka Transmission Line at Kahalgaon end. (from Stage-I to stage-II side at NTPC switchyard Kahalgaon under Bus Split Scheme)

Ref:

- (i) BSNL letter no. DE/PTCC/ER/BHR-100288 dated 28.07.2018
- (ii) Eastern Railway letter no. SG.241/1/PTCC/233 dated 13.04.2016
- (iii) Defense letter no. B/46937/Signs 7(b)/1250 dated 20.11.2018

Sir.

The instant PTCC proposal has been examined. The low frequency induction on Block and Telecom Circuits of Eastern Railway; with respect to details furnished vide above references has been computed. The average Soil Resistivity (SR) value has been taken as 5,000 Ohm-cm, as intimated by the Power Authority (PGCIL). The voltages likely to be induced on paralleling Block and Telecom Circuits of Eastern Railway under single line to ground fault condition have been computed and are enclosed as Annex - I. The screening factors, as applicable, have been considered. BSNL vide ref (i) above have issued NOC for the same. Vide ref (iii) above, Defense Authority have issued No Objection Certificate (NOC) (enclosed as Annex II). Taking above into consideration, kindly issue PTCC route approval.

Encl.: As above

(Naresh Bhandari Chief Engineer

Copy to:

(i) Dy. CSTE/Tele/HQ, Eastern Railway, N S Road, B. B. D Bagh, Kolkata -700001 (Annex - I only)

(ii) DGM (Engg), PGCIL ER-I HQ, Alankar Place, Boring Road, Patna - 800001

एन आर पी सी परिसर, कटवारिया सराय, नई दिल्ली-110016 टेलीफैक्स: 011-26565214 ईमेल: nbnareshbhandari@gmail.com NRPC Building, Katwaria Sarail, New Delhi-110016 Telefax: 011-26565214 Email: nbnareshbhandari@gmail.com Website: www.cea.nic.in

ANNEXURE - I

Case No.: BHI Name of the Line at Kaha	line: Shifting of 400kV D/C Kahalgaon	-Banka Transmission	Total Leng	th: 1cm=5 gth: 13.152 : 5,000	Km.
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.

	EASTERN RAILWAY					
	Ref. No. SG.241/1/PTCC/233 DATE: 13/04/2016 AFFECTED BLOCK & TELECOM CIRCUITS DETAIL					
1	Ghoga-Ekchari	Out of parallelism 0				
2	Ekchari-Kahalgaon	Outside IV consideration zone 0				
3	Kahalgaon-Bikramshila	Outside IV consideration zone 0				
4	Bikramshila-Shivanarayanpur	Outside IV consideration zone 0.				
		Subject to Consideration Zone				
		1 /				
		1 m				
		नरेश भंडारी/NARESH BHANDARI				
		नरेश भंडारी/NARESH BHANDARI भुष्य अभियन्ती/Chief Engineer कर्न्दीय विद्युत प्राधिकरण/C.E.A. विद्युत मंत्रालय/Ministry of Power भारत सरकार/Govt. of India नई दिल्ली/New Delni-66				
		विद्युत मंत्रालय/Ministry of Power				
		भारत सरकार/Govt. of India				
		नइ दिल्ला/New Deini-od				
	·					

ANNEX-II

3MR-138

Tele: 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)/1250

20 Nov 2018

DGM(Engg)
Power Grid Corporation of India Ltd
Vidyut Board Colony, Shastri Nagar,
Patna-800023 (Bihar)

PROPOSAL FOR PTCC APPROVAL FOR CONSTRUCTION OF TRANSMISSION LINE TOWARDS SHIFTING OF 400KV D/C KAHALGAON-BANKA TRANSMISSION LINE FROM STAGE-I SIDE TO STAGE-II SIDE AT NTPC SWITCHYARD UNDER BUS SPLIT SCHEME

- Ref your letter No. ER-I/PT/ENGG/PTCC/KHG-BANKA/3034 dt 10 Aug 2018 (copy att).
- 2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheets received under your letter mentioned above.
- Documents alongwith map sheets (in original) are forwarded herewith for your further 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

for information.