



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.: UP-562
PTCC proposal of 400 kV Obra B – Obra C D/C transmission line (1.195 km)

Reference:		
S. No.	Reference No.	Dated
(i)	UPPTCL: 413 E.T.D.(GZB)	15.03.2021
(ii)	BSNL: DET/PTCC/ND/DV-9897/UP-957/2021-22	30.06.2021
(iii)	East Central Railway: ECR-HQ0SnT(CPTC)/1/2020-O/o Dy.CSTE/HQ/ECR	10.05.2021
(iv)	Defense: B/46937/Sigs 7(b)/2385	15.04.2021

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

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

Encl.: As above.

Signature Not Verified
Digitally signed by PRATAP SINGH
PRATAP SINGH
Date: 2021.07.02 16:41:07 IST

Director

To,			
1.	Divisional Engineer (PTCC), Northern Zone	BSNL O/o PGM (N), QA & Inspection Circle, D-Tax Building, Eastern Court, Janpath, New Delhi 110001.	
2.	Dy. CSTE	East Central Railway, Office of the General Manager (S&T), Hajipur - 844118	Annexure -II only
2.	Executive Engineer	UPPTCL, Electricity Transmission Division Ghazipur, 220 kV S/S Talwal Hydle Colony, Ghazipur - 233002	Copy for information

M/C

Case No. : UP-562

Name of the Power Line: 400 KV D/C Obra B- Obra C Transmission Line

Annexure I

Toposheet Scale : 1cm=500mts
Total Length : 1.195 Kms
S.R Value : 10,000 Ohm-cm

Sl. No.	Name of Telecom Line	LOF in Kms	MC in Ohms	Fault Current (Amps)	IV in Volts
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BSNL					
Reference No. DET/PTCC/ND/DV-9897/UP-957/2021-22 Dated:- 30.06.2021					
BSNL Details					
1	Obra TE to Club No 1 & Colony (100 Pair x 3), (50 pair x 1) (1.5 KM)	}	IV	less	than 430V
2	Obra TE to Sector 9 & Colony (200 Pair x 1), (100 Pair x 1), (50 pair x 1) (3 KM)				
3	Obra TE to Sector 8 & Colony (400 Pair x 1) (2.5 KM)				
4	Obra TE to Convent School & Market (100 Pair x 3), (50 pair x 1) (1.0 KM)				
5	Obra TE to Chopan Road & market colony (100 Pair x 3), (50 pair x 1) (1.8 KM)				

Prateek

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

ANNEXURE - II

Case No.: UP-562		Map Scale : 1 cm = 500 m. Route Length : 1.195 km Soil Resistivity : 10,000 Ohm-cm			
Name of the Power Line: 400 kV Obra B – Obra C D/C transmission line					
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 10.05.2021					
Affected Blocks & Telecom Circuits Details					
1	Copan – Billi	1.1	0.0004	10000	4
2	Billi – Obradam	Out of Parallelism			0
3	Billi – Salia Banawa				0
4	Salia Banawa - Gurmura				0

Prateek

श्रीक प्रताप/PRATEEK SRIVASTAVA
 सहायक निदेशक-II, Asst. Director-II
 केन्द्रीय विद्युत प्राधिकरण/C.E.A.
 विद्युत मंत्रालय/Ministry of Power
 भारत सरकार/Govt. of India
 नई दिल्ली/New Delhi

Tele : 23019746

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

Annex - BA

15 Apr 2021

B/46937/Sigs 7(b)/2385/

Office of the Executive Engineer
Electricity Transmission Division Ghazipur
U.P. Power Transmission Corporation Limited
220KV S/S Talwal Hyde Colony, Ghazipur-233002

PTCC CLEARANCE FOR 400KV OBRA B-OBRA C D/C TRANSMISSION LINE

1. Refer your letter No 413 E.T.D.(GZP)/ dt 15 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.

(A Rawat)
Lt Col
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

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