



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.: PNB-373
PTCC proposal of 220 kV 2-phase line on D/C tower from 220 kV GSS Chhajli (PSTCL) – Chhajli Railway TSS (0.881 km)

Reference:		
S. No.	Reference No.	Dated
(i)	PSTCL: Endst. No. 97	21.01.2021
(ii)	BSNL: DET/PTCC/ND/DV-9844/PB-929/2021-2022	03.06.2021
(iii)	Northern Railway: 342-SIG/1/PTCC/2020-21/02/02	18.02.2021
(iv)	Defense: B/46937/Sigs 7(b)/2314	02.03.2021

The PTCC proposal submitted vide reference (i) has been examined. The low frequency induction on BSNL cables and block & telecom circuits of Northern Railway as per details furnished vide reference (iii) has been examined. Voltages likely to be induced on paralleling BSNL cables and block & telecom circuits of Northern Railway under single line to ground fault condition are enclosed at Annexure-I & 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 RAGHUVENDRA PRATAP SINGH
Date: 2021.10.06 10:24:57 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.	AESTE/UTS	Northern Railway, Headquarter Office, Baroda House, New Delhi	Only Annexure -II
3.	Addl. SE/TS-II	PSTCL, Office of the Chief Engineer/Transmission System, 3 rd Floor, Shakti Sadan, Patiala - 147001	Copy for information

MIC

Case No. :

PNB-373

Annexure I

Name of the Power Line: 220 KV line from 220 KV GSS Chhajili (PSTCL- Chhajili Railway TSS 2- Phase on D/C Tower.

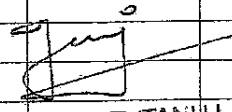
Toposheet Scale : 1cm=500mts
Total Length : 0.881 Kms
S.R Value : 12,000 Ohm-cm

Sl. No.	Name of Telecom Line	LOP in Kms	MC in Ohms	Fault Current (Amps)	IV in Volts
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BSNL

Reference No. DET/PTCC/ND/DV-9844/PB-929/2021-22 Dated:- 03.06.2021

BSNL Details					
1	Chhajili to Chhajila 200 pairs (3.5 KM)				
2	Chhajila to Maidawas 100 pairs (2 KM)				
3	Chhajili to Nanjala 2 x 50 pairs (5 KM)				} IV less than 430V
4	Chhajili Exch to Chajili Bus Stop 100 pairs (1 KM)				
5	Chhajili to Sangtiwala 100 pairs (2.5 KM)				


तनुज/TANUJ
सहायक निदेशक-II/Asstt. Director-II
केन्द्रीय बिद्युत प्राधिकरण/C.E.A.
विद्युत मंत्रालय/Ministry of Power
भारत सरकार/Govt. of India
नई दिल्ली/New Delhi-69

ANNEXURE - II


Case No.: PNB-373 Name of the Power line: 220 kV two phase line on D/C tower from 220 kV G/S/S Chhajli (PSTCL) to Chhajli Railway TSS.		Map Scale : 1 cm=500 m Total Length : 0.881 km S.R. Value : 12,000 ohm-cm			
S.No	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.

Northern Railway Ref. No: 342-SIG/1/PTCC/2020-21/02/02 Dated : 18.02.2021

Affected Blocks & Telecom Circuits Details

Dhuri to Jakhal

1	Sangrur R/S to Sunam R/S	Outside IV consideration zone			00
2	Sunam R/S to Chajli R/S	0.42	0.0037	9993	37
3	Chajli R/S to Govindgarh Khokhar R/S	0.43	0.0017	9992	17
4	Govindgarh Khokhar R/S to Lehragaga R/S	Out of Parallelism			00


 तनुज/TANUJ
 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-66

Tele : 23019746

PNB-379

Annex - III

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

B/46937/Sigs 7(b)/2314/

07 Mar 2021

Office of Chief Engineer/Transmission System
Punjab State Transmission Corporation Limited
8 Floor, Shakti Sadan, Patiala-147001

PTCC CASE ROUTE APPROVAL OF 220KV LINE FROM 220KV G/S/S CHHAJLI
(PSTCL)-CHHAJLI RAILWAY TSS TWO PHASE ON D/C TOWER

1. Refer your Endst. No 94 dt 21 Jan 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)
Maj
GSO 1 (Comn)
for SO-in-C

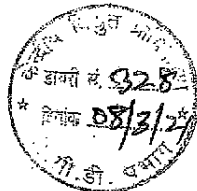
Enclosures : As above

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

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



De: [Handwritten signature]
Date: 08/3/21
17/3