



सत्यमेव जयते

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

No.: CEA/PCD/ PTCC/UP-507/492-94

Date: 02.09.2020

Subject: PTCC proposal for LILO of 220 kV S/C C.B. Ganj- Badaun transmission line at 400 kV GIS Badaun-regd.

- Ref.:** (i) OCBTL Ref. No. OCBTL/Bareilly/PTCC/93 Dated: 31.08.2019
(ii) BSNL Ref. No. DET/PTCC/ND/DV-9718/UP-865/2020-21 Dated: 16.07.2020
(iii) North Eastern Railway Ref. No. N/242/0(Tele)PTCC Part-II/1058 Dated: 06.03.2020
(iv) Defense Ref. No. B/46937/Sigs 7(b)/1851 Dated: 27.01.2020

The PTCC proposal submitted vide ref. (i) has been examined. The LF induction on telecom cables of BSNL and Block & Telecom circuits of North Eastern Railway with respect to details furnished vide above references (ii) and (iii) respectively has been computed. The Soil Resistivity (SR) value has been taken as 20,000 Ohm-cm. The voltages likely to be induced on paralleling telecom cables of BSNL and Block & Telecom circuits of North Eastern Railway under Single Line to Ground fault condition are enclosed at Annex-I and Annex-II respectively. The screening factors, as applicable, have been considered. Vide ref. (iv) above, Defence Authority have issued No Objection Certificate (NOC) (a copy enclosed as Annex-III).

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

Encl.: As above.

Upendra Kumar
02.09.2020
(Upendra Kumar)
Chief Engineer

To,
The Divisional Engineer (Telecom), BSNL
PTCC O/o GM (North), Inspection Circle (T & D),
CTS Compound, Netaji Nagar,
Africa Avenue, New Delhi – 110023.

MIC

Contd...2

Copy to:-

1. Dy. Chief Network Manager/FOIS O/o General Manager, North Eastern Railway, Gorakhpur-273001 (Annex-II)
2. Associate Manager, Obra C- Badaun Transmission Ltd., House No. 116, Green Park Colony, Bilaspur Road, Bareilly (UP)-243006.

Case No. : UP-507

Name of the Power Line: 220 KV C.B.Ganj- Badaun Transmission line
at 400/220/132 KV GIS Badaun

Annexure I

Toposheet Scale : 1cm=500mts
Total Length : 1.043 Kms
S.R Value : 20,000 Ohm-cm

Sl. No.	Name of Telecom Line	LOP in Kms	MC in Ohms	Fault Current (Amps)	IV in Volts
BSNL					
Reference No. DET/PTCC/ND/DV-9718/UP-865/20201-21 Dated:- 16.07.2020					
Date :					
BSNL Details					
1	Devchara to Bhamora 20 Pair (3 KM)				
2	Sainda to Iffco Township 1200 pair (4 KM)				
3	Sainda to Khudha 50 pair (5 KM)				

IV less than 430V
} Out of parallelism

TANUJ
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-66

(1/1)

ANNEXURE - II

Case No.: UP-507 Name of the Power Line: LILO of 220 kV S/C C.B. Ganj- Badaun transmission line at 400 kV GIS Badaun.		Map Scale : 1 cm = 500 m. Route Length : 1.043 km Soil Resistivity : 20,000 Ohm-cm			
S.No.	Telecom Details	Length of Parallelism (in km)	Mutual Coupling (Ohms)	Fault Current (Amps)	Induced Voltage (Volts)

NORTH EASTERN RAILWAY Ref. No: N/242/0(Tele)PTCC Part-II/1058		DATED: 06.03.2020			
<u>Affected Blocks & Telecom Circuits Details</u>					
1	Makrandpur-Ghatpuri	0.3	0.00003	7812	01
2	Makrandpur-Bamiyana	0.6	0.00024	7932	02
3	Bamiyana-Ramganga Bridge	Outside IV consideration			00

P. N. S. R.

प्रतीक श्रीवास्तव / PREETEK SRIVASTAVA
सहायक निरीक्षक / Asst. Director-II
केन्द्रीय विद्युत प्राधिकरण / C.E.A.
विद्युत मंत्रालय / Ministry of Power
भारत सरकार / Govt. of India
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Directorate General of Signals
Signals 7
General Staff Branch
Integrated HQ of MoD, (Army)
DHQ PO, New Delhi - 110011


B/46937/Sigs 7(b)/1851/

27 Jan 2020

Associate Manager
Obra-C Badaun Transmission Limited
House No. 116, Green Park Colony,
Bisalpur Road, Bareilly (UP) India,
Pin Code-243006

PTCC APPROVAL OF LILO OF 220KV S/C C.B. GANJ-BADAUN TRANSMISSION LINE AT
400KV GIS BADAUN

1. Ref your letter No OCBTL/Bareilly/PTCC/93 dt 31 Aug 2019. (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 Jast Singh Marg
Katwaria Sarai, New Delhi - 110016

Divisional Engineer Telegraph (PTCC)
O/o GM (North), BSNL, QA & Inspection Circle,
CTS Compound, Africa Avenue Road,
Nataji Nagar, New Delhi-110023

for information

OBTL
INWARD NO. 172
DATE 19/02/2020
SIGN 