



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

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Case No. : UP-539:

PTCC proposal for 400 kV D/C Twin Moose Badaun to Sambhal transmission line: 76.8 km

## Reference:

S. No.	Reference No.	Dated
(i)	UPPTCL: 2446/(ETD) Sambhal	07.08.2020
(ii)	BSNL: DET/PTCC/ND/DV-9755/UP-888/2021-22	13.05.2021
(iii)	Northern Railway: 342-SIG/1/PTCC/2020-21/08/07	24.08.2020
(iv)	North Eastern Railway: N/146/1/4/PTCC	13.04.2021
(v)	Defense : B/46937/Sigs 7(b)/2141	02.11.2020

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide reference (ii) has intimated that there are no BSNL lines (copper cable and armored OFC) in the route of the proposed power line and has conveyed NOC. The LF induction on Block & Telecom circuits of Northern Railway and North Eastern Railway with respect to details furnished vide above reference (iii) and reference (iv) respectively have been computed. The voltages likely to be induced on Block & Telecom circuits of Northern Railway and North Eastern 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 reference (v) above, Defence Authority have issued No Objection Certificate (NOC).

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

Encl.: As above.

Signature Not Verified

Digitally signed by RAGHUVENDRA PRATAP SINGH  
Date: 2021.07.01 17:36:38 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	W/O Annexure
2.	AESTE/UTS	Northern Railway, Headquarter Office, Baroda House, New Delhi-110001	Annexure-I only
3.	DRM (S&T)	North Eastern Railway, Office of DRM (Signal & Telecom), Izatnagar- 243122	Annexure-II only
4.	EE, Electricity Transmission Division	UPPTCL, Office of the Executive Engineer, Electricity Transmission Division, 220 KV Sub-station, Sirsi, Sambhal-244301.	Copy for information

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**ANNEXURE-I**

<b>Case No.: UP-539</b> <b>Name of the Power line:</b> 400 kV D/C Twin Moose Badaun to Sambhal transmission line.		<b>Map Scale</b> : 1 cm=500 m <b>Total Length</b> : 76.8 km <b>Soil Resistivity</b> : 40,000 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: 342-SIG/1/PTCC/2020-21/08/07

Dated : 24.08.2020

**Affected Blocks & Telecom Circuits Details****Bareilly to Chandausi section**

1	Basharatganj R/S to Aonla R/S	Outside IV Consideration zone	00
2	Aonla R/S to Karengi R/S	Outside IV Consideration zone	00
3	Karengi R/S to Dabtara R/S	Outside IV Consideration zone	00
4	Dabtara R/S to Asafpur R/S	Outside IV Consideration zone	00



तनुज/TANUJ  
सहायक निदेशक-II, Asst. Director-II  
केन्द्रीय विद्युत प्राधिकरण/Central  
विद्युत मंत्रालय/Ministry of Power  
भारत सरकार/Govt. of India  
नई दिल्ली/New Delhi-66

**ANNEXURE-II**


<b>Case No.: UP-539</b> <b>Name of the Power line:</b> 400 kV D/C Twin Moose Badaun to Sambhal transmission line.		<b>Map Scale</b> : 1 cm=500 m <b>Total Length</b> : 76.8 km <b>Soil Resistivity</b> : 40,000 ohm-cm			
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts

North Eastern Railway: N/146/1/4/PTCC

Dated : 13.04.2021

**Affected Blocks & Telecom Circuits Details**

1	Ghatpuri to Makrandpur	5.8	0.0039	14611	57
2	Makrandpur to Bamiyana	Out of Parallelism			00



तनुज / TANUJ  
सहायक निदेशक-II / Asstt Director-II  
केन्द्रीय विद्युत प्राधिकरण / C.E.S.  
विद्युत विभाग / Ministry of Power  
भारत सरकार / Govt. of India  
नई दिल्ली / New Delhi-55