



MIC

भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
केन्द्रीय विद्युत प्राधिकरण  
Central Electricity Authority  
पावर कम्युनिकेशन डवलपमेंट प्रभाग  
Power Communication Development Division

No. CEA/PCD/ PTCC/HRA-219/2572-53

Date: 11.12.2018

DET (PTCC), Northern Zone  
O/o PGM(N), Inspection Circle,  
CTS Compound, Netaji Nagar,  
New Delhi - 110023


Sub: PTCC Route Approval for 400 kV D/C (TWIN-HTLS) Kadarpur to Sohna T/L

Ref: (i) BSNL letter no. DET/PTCC/ND/DV-9365/HR-829/ dated 25.07.2018  
(ii) Northern Railway letter no. 342-SIG/1/PTCC dated 27.03.2018  
(iii) Defense letter no. B/46937/Sigs 7(b)/1051 dated 20.04.2018

The low frequency induction on BSNL Telecommunication circuits as per details furnished vide above cited references (i) has been examined. The Average Soil Resistivity value has been taken as 50000 Ohms-cm, as per data submitted by Power Authority. Voltages likely to be induced on paralleling BSNL Telecom Cables under single line to ground fault condition are enclosed at Annex-I. The screening factors as applicable have been considered. Northern Railway has accorded NOC vide above Ref.(ii) for the above line (a copy enclosed at Annex-II). Defense has accorded NOC vide above Ref.(iii) for the above line (a copy enclosed at Annex-III).

Taking above into consideration, kindly take necessary action regarding issue of PTCC route approval.

Encl.: As above

  
11-12-18  
(Naresh Bhandari)  
Chief Engineer

Copy to:

Deputy manager – Projects, Gurgaon – Palwal Transmission limited, F-1, The Mira Corporates Suites, 1&2, Ishwar Nagar, Mathura Road, New Delhi – 110065.

Case No. : HRA-219

Name of the Power Line: 400KV D/C TWIN HTLS KADARPUR - SOHNA T/L

Annexure I


Toposheet Scale : 1cm=500mts  
Total Length : 10.279 Kms  
S.R Value : 50,000 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/OV-9365/HRA-829/ Date : 25/7/18

BSNL Details					
1	Daula Exge. To Harchandpur Village	}	out of 11 km		
2	Daula Exge. To Damdama More				
3	Daula Exge. To Kharoda Chowk				
4	Daula Exge. To Baluda Village				
5	Daula Exge. To Gari Chowk				
6	Gari Chowk to Avaypur Village				
7	Avaypur Village to Damdama Lake				
8	Sohna Exge. To Dhunela Village	}	IV less than 430V		
9	Sohna Exge. To Lotki Village				
10	Maruti Kunj Exge. To Petrol Pump				
11	Petrol Pump to Laburnum School Bhondsi	2	0.0316	9150	289

  
11.12.18  
मुख्य अभियन्ता/Chief Engineer  
केन्द्रीय विद्युत प्राधिकरण/C.E.A.  
सहा भवन, आर.के. पुरम,  
Sewa Bhawan, R.K. Puram,  
नई दिल्ली-110066 Delhi-66

Annex-III

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)/1051 /

20 Apr 2018

Deputy Manager (Project)  
Gurgaon - Palwal Transmission Ltd  
F-1, The Mira Corporate Suites,  
1 & 2, Ishwar Nagar, Mathura Road,  
New Delhi - 110065

**REGARDING REGISTRATION OF PTCC PROPOSAL FOR 400KV D/C TWIN HTLS)**  
**KADARPUR - SOHNA ROAD TRANSMISSION LINE**

1. Reference your letter No. GPTL/Design & Engineering/2017-18/166 dated 27 Feb 2018.
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.

(AV Undekar)  
Lt Col  
GSO 1 (Comn)  
for SO-in-C

**Copy to :-**

The Director (PTCC), CEA,  
PCDD, NRPC Complex,  
18-A, Shaheed Jeet Singh Marg,  
Katwaria Sarai, New Delhi - 110016

- For information.

S.No-2

NON-11

NORTHERN RAILWAY

Headquarter Office,  
Baroda House,  
New Delhi,  
Date: -27-03-2018


NO: 342-SIG/1/PTCC

DET/PTCC, Northern Zone,  
O/o Sr GM, Inspection Circle,  
CTS Compound, Netaji Nagar  
New Delhi.

Sub: - PTCC case for 400 KV D/C (Twin HTLS) Kadarpur – Sohna  
Transmission line.

Ref: - No- GPTL/ Design & Engineering /2017-18/165, dated 22.03.2018.

In reference to above, as per route map received from Sterlite Power,  
there is no Railway line appearing/ existing in the route of Transmission Line.

  
(For General Manager/S&T)

Copy to:-

1. Director/PTCC, 18-A, Shaheed Jit Singh Marg, NRPC complex Kotwaria Sarai, New Delhi.
2. Deputy Manager/Project F-1, The Mira Corporate Suites, 1 & 2, Ishwar Nagar, Mathura Road, New Delhi.
3. Sr. DSTE/Delhi, DRM office Delhi, he is kindly requested to check and confirm the information given above.