



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-221/102-03

Date: 24/1/19

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

Subject: PTCC Approval of LILO of 400kV D/C Gurgaon - Manesar T/L at Sohna Road Substation

Ref: (i) BSNL letter no. DET/PTCC/ND/DV-9369/HR-831/2018-19 dated 21.08.2018
(ii) Northern Railway letter no. 342-SIG/1/PTCC dated 22.05.2018
(iii) Defense letter no. B/46937/Sigs 7(b)/1161/ dated 28.08.2018

Sir,

The low frequency induction on BSNL Telecom circuits as per details furnished vide above ref. (i) has been examined. The average soil resistivity value has been taken as 35000 Ohms-cm, as per data submitted by the Power Authority. Voltages likely to be induced on paralleling BSNL Telecom circuits under SLG fault condition are enclosed at Annex-I. The screening factors as applicable have been considered. Northern Railway vide above ref.(ii) has informed that there is no railway line appearing/existing in the route of transmission line, therefore, IV has not been calculated. Defense has accorded NOC vide above ref.(iii), a copy is enclosed at Annex-II. Taking above into consideration, kindly take necessary action regarding issue of PTCC route approval.

Encl.: As above

Yours faithfully,


(Naresh Bhandari)
Chief Engineer

Copy to:

Dy. Manager, Gurgaon-Palwal Transmission limited, F-1, The Mira Corporates Suites, 1&2, Ishwar Nagar, Mathura Road, New Delhi - 110065

M/C

Case No.: HRA - 221

Annexure I

Name of the Power Line: LILO of Existing 400 KV D/C Gurugram-
Manesar Transmission line at Sohna Road
GIS


Toposheet Scale : 1cm=500mts
Total Length : 0.627 Kms.
S.R Value : 357000 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/0V-9369/MR-831/2018-19 Date: 21/08/18

BSNL Details					
1	Nawada Fatehpur To Manesar nallah (Sec-5)	← 1V less than 430V →			
2	Lakhnaula To NH 8	← 1V less than 430V →			
3	Sector 5 To NH 8	← 1V less than 430V →			
4	NSG To Shikopur	← 1V less than 430V →			
5	NSG To Manesar	← out of 115m →			
6	Maruti Kunj Exchange To Petrol Pump	← out of 115m →			
7	Petrol Pump To Laburnum School Bhondsi	← 1V less than 430V →			


नरेश भंडारी/NARESH BHANDARI
मुख्य अभियन्ता/Chief Engineer
केन्द्रीय विद्युत प्राधिकरण/C.E.A.
विद्युत मंत्रालय/Ministry of Power
भारत सरकार/Govt. of India
नई दिल्ली/New Delhi-66

Affix - II

Tele : 23019746

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

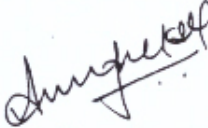
B/46937/Sigs 7(b)/1161 /

28 Aug 2018

Dy. Manager-Projects
Sterlite Power
Gurgaon-Palwal Transmission Limited
F-1, The Mira Corporate Suites,
1&2, Ishwar Nagar, Mathura Road
New Delhi-110 065

**REGARDING REGISTRATION OF PTCC PROPOSAL FOR LILO OF 400 KV D/C
GURGAON - MANESAR TRANSMISSION LINE**

1. Ref your letter No GPTL / Design & Engineering/ 2018-19/210 dt 08 May 2018 (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

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.