



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/RAJ-610/2610-12

Date: 21.12.2018

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


Subject: PTCC Route Approval for LILO of 220 kV S/C Kota to Badod & Kota to Modak line at Ranpur

Ref: (i) BSNL letter no. DET/PTCC/ND/DV-9395/Raj-1194/2018-19 dated 12.12.2018
(ii) West Central Railway letter no. WCR/N-HQ/120 PTCC-CORR-T-50 Pt-III Case 211 dated 21.02.2018
(iii) Defense letter no. B/46937/Sigs 7(b)/934 dated 27.03.2018

The low frequency induction on BSNL and Railway Telecommunication circuits as per details furnished vide above cited references (i) and (ii) respectively has been examined. The Average Soil Resistivity value has been taken as 1,00,000 Ohms-cm, as per data submitted by Power Authority. Voltages likely to be induced on paralleling BSNL Telecom Cables and Railway Telecommunication circuits under single line to ground fault condition are enclosed at Annex-I and II respectively. The screening factors as applicable have been considered. 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


(Naresh Bhandari) 21/12/18
Chief Engineer

Copy to:

- (i) GM(S&T), West Central Railway, 1st Floor, Anne II Building, Jabalpur – 482001 (Annex – II only)
- (ii) Associate Vice President, Hadoti Power Transmission Service Limited, House no-25/9, Near Baba Bal Nath Ashram, New Sanganar Road, Mansarovar, Jaipur - 302020

CEA CASE: RAJ-610

Annexure I

Name of the Power Line: LILO of 220 S/C Kota Badod & KTPS
Modak Line at 220 KV GSS Ranpur T/L

Toposheet Scale : 1cm=500mts
Total Length : 3.0 Kms
S.R Value : 100000 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/PTCL/NO/DV-9395/Raj-1199 / Date: 12.12.2018

BSNL Details					
1	Bhamasa Mandi to Anantura	} ← out of 11km →			
2	Bhamasa Mandi to Om Enclave				
3	Bhamasa Mandi to Dharamkanta	← outside IV consideration zone →			
4	Ranpur Exch to Daswani Dental College				
5	Ranpur Exch to Shivedibe	} ← out of 11km →			
6	Ranpur Exch to Milk Dairy				

Handwritten signature

मुख्य अभियंता/Chief Engineer
केन्द्रीय विद्युत प्राधिकरण/C.E.A.
सेवा भवन, आर.के. पुरम,
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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)/934/

21 Mar 2018

Associate Vice President
Hadoti Power Transmission Service Ltd
House No. 25/9, Near Baba Bal Nath Ashram,
New Sangar Road,
Mansarovar – Jaipur - 302020

PTCC CASE OF LILO 220 KV S/C KOTA – BADOD & MODAK LINE AT RANPUR

1. Reference your letter No. HPTSL/K – B/081 dated 13 Jan 2018.
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheets received under your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.

(A.V Umdekar)
Lt Col
GSO 1 (Comn)
for SO-in-C

Copy to :-

The Divisional Engineer Telegraph (PTCC) - For information.
O/o Sr, GM, Inspection Circle
BSNL, CTS Compound,
Africa Avenue, Netaji Nagar,
New Delhi – 110023