



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/UTR-20 / 180-181

Date:13.02.2019

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 400 kV S/C Tehri – Koteshwar Transmission line

Ref: (i) BSNL letter no. DET/PTCC/ND/DV-9337/UTR-29/2018-19/08 dated 11.06.2018
(ii) Northern Railway letter no. 342-SIG/1/PTCC dated 12.12.2017
(iii) Defense letter no. B/46937/Sigs 7(b)/922 dated 06.03.2018


Sir,

The low frequency induction on BSNL Telecommunication circuit as per details furnished vide above cited reference (i) has been examined. The Average Soil Resistivity value has been taken as 10000 ohms-cm, as per data submitted by Power Authority. Voltage likely to be induced on paralleling BSNL Telecom Cable under single line to ground fault condition is enclosed. The screening factors as applicable have been considered. Northern Railway has accorded NOC vide above Ref.(ii) for the above line. Defense has accorded NOC vide above Ref.(iii) for the above line.

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

Encl.: As above

M/P


(Naresh Bhandari) 13/2
Chief Engineer

Copy to:

Chief Manager, PGCIL, 765/400 kV Koteshwar GIS, Village – Fafran, Post – Pokhari, Tehsil – Gaja,
Dist-Tehri Garhwal, Uttarakhand - 249146

ANNEXURE

Case No.: UTR 20
Name of the Power line: 400 kV S/C Tehri – Koteshwar
Transmission line

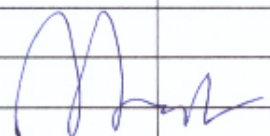
Map Scale : 1cm=500mts
Total Length : 13.412 Km
S.R. Value : 10000 Ohms-cm

S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
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BSNL

BSNL letter no. DET/PTCC/ND/DV-9337/UTR-29/2018-19/08 dated 11.06.2018

1.	Power House THDC – Zero Bridge	-----OFC unarmoured, hence no Induction-----			
2.	Zero Bridge - Koteshwar				
3.	Dharamshala - Koteshwar	2	0.0266	7700	205
					1/1


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