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

No: CEA/PCD/PTCC/GUJ-767/ 151-152 Date: 07/02/2019

DET (PTCC), Inspection Circle,
Bharat Sanchar Nigam Limited (BSNL),
3rd Floor, D-Wing, BSNL Admin Bldg.
Juhu Tara Road, Santacruz (West),
Mumbai-400054

Subject: PTCC Route Approval for IWISL (Dayapar)-Bhuj PS 220kV D/C line
Ref (i) BSNL Ltr.No.IC/MBI/PTCC/GUJ-2586 dt. 01/11/2018
(ii) Western Railway Ltr No.SG.158/28/12/ 1015 dt.30/11/2018
(iii) Defense Letter No.B/46937/Sigs 7(b)/1249 dt.25/10/2018

Sir,

The low frequency induction on BSNL Telecommunication circuits as per details furnished vide above cited reference has been examined. The average Soil Resistivity (SR) value has been taken as 30,000 Ohm Cm, as intimated by the Power Authority, M/s Inox Wind Infrastructure Services Ltd. The voltages likely to be induced on paralleling telecom circuits of BSNL under Single Line to Ground fault condition have been computed and are enclosed at Annex. The screening factors, as applicable, have been considered. Western Railway and Defense vide above Ref.(ii) and (iii)respectively have accorded NOC for the above line.
Taking above into consideration, kindly take necessary action regarding issue of PTCC route approval

Encl.: As above

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(Naresh Bhandari)
Chief Engineer

Copy to:

M/s Inox Wind Infrastructure Services Ltd, Plot No.17, Sector-16A, Film City, Noida-201301

M/L

एन आर पी सी परिसर, कटवारिया सराय, नई दिल्ली-110016 टेलीफैक्स: 011-26565214 ईमेल: nbnareshbhandari@gmail.com
NRPC Complex, Katwaria Sarai, New Delhi-110016 Telefax: 011-26565214 Email: nbnareshbhandari@gmail.com Website: www.cea.nic.in

ANNEXURE

Case No.: GUJ-767 Name of the Power line: IWISL (Dayapar)-Bhuj PS 220kV D/C line.	Map Scale : 1cm=500mts Total Length : 73 Km. S.R. Value : 30,000 Ohms-cm

S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
	BSNL DETAIL Ref. No. IC/MBI/PTCC/GUJ/2586 Dated at Mumbai, the 01/11/2018				
1	**NIRONA EXCHANGE**				
1A	Nirona Exch.-Local.- 100x10x2P	IV less than 430V			
2A	Nirona Exch.-Local.- 50x1P				
3A	Nirona Exch.-Local.- 20x3P				
2	**DEVISAR EXCHANGE**				
1B	Devisar Exch..-Local-20x3P	IV less than 430V			
3	**NAKHATRANA EXCHANGE**				
1C	Nakhatrana Exch.-Local-200+100*2+50*4	IV less than 430 V			
2C	Nakhatrana Exch.-Conterside-200x1P				
3C	Nakhatrana Exch.-Maninagar-50x1P				
4C	Nakhatrana Exch.-School-50x1P				
5C	Nakhatrana Exch.-Viranail-200+100P				
6C	Nakhatrana Exch.-Vathanpilla-200*3+50P				
4	**UGEDI EXCHANGE**				
1D	Ugedi Exch.-Local pillar-400x1P	IV less than 430 V			
2D	Ugedi Exchange Ratadiya-50P				
5	**RAWAPAR EXCHANGE**				
1E	Rawapar Exch.-Local-800x1P	IV less than 430V			
2E	Rawapar Exchange GEB-100x1P				
3E	Rawapar Exchange Vigodi-10x20P				
6	**WALKA MOTA EXCHANGE**				
1F	Walka mota Ex.-Local-100x1P	IV less than 430 V			

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