सत्यमेव जयते

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-759/135-37 **Dated: 05/02/2019**

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

Subject: PTCC Approval for Green Infra Wind Energy Ltd.(GIWEL-Bhuj)-Bhuj PS 220kV S/C line.

Ref: i) BSNL Letter No. IC/MBI/PTCC/GUJ-2482, Dated-28.06.2018.
ii) Dy. CSTE/PLG/CCG. WR, Mumbai, Letter No. SG.158/28/12 (940), Dated 12.06.2018.
iii) DG of Signals, Ministry of Defense (Army), New Delhi, Letter No. B/46937/Sigs 7(b)/1112, Dated 25.07.2018

Sir,

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 25,000 Ohms-cm, as per data submitted by Power Authority. Voltages likely to be induced on paralleling BSNL and Railway Telecommunication circuits under single line to ground fault condition are enclosed at Annex-I&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

Yours faithfully,

(Naresh Bhandari)
Chief Engineer

Copy to:

1. GM (S&T), Western Railway, Office of CSTE, S&T Dept., 5th Floor, Station Building, Churchgate, Mumbai-400020 (With annexure-II Only).
2. Suzlon Power Infrastructure Limited, 1st Floor, Mangal Shanti, Opp. Mangal Bhavan , Nirmala Convent Road, Rajkot-360007

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-I

Case No.GUJ-759 **Name of Power Line:** Green Infra Wind Energy Ltd(GIWEL-Bhuj)-Bhuj PS 220kV S/C line.				**Map scale-** 1 Cms = 500 Meters **Route Length-** 63.27 KMs **SR Value:25000 Ω _cm**	
Sl.No.	Name of the Telecom line/Cable	Length of parameter in **KM**	Mutual coupling in **Ohms**	Fault Current in **Amp**	Induce Voltage in **Volts**
	BSNL DETAILS **Ref. No IC/MBI/PTCC/GUJ-2482**				**Dated : 28.06.2018**
1	**NIROMA EXCHANGE**				
1A	Niroma Exchange-local-100*1P				
2A	Niroma Exchange-local-50*1P				
3A	Niroma Exchange-local-20*1P+10*2 P				
2	**DEVISAR EXCHANGE**				
1B	Devisar Exchange-Local 200*1P				
3	**ANGIYANANA EXCHANGE**				
1C	Angiyanana Exchange Local-200*1 P				
4	**VITHON EXCHANGE**				
1D	Vithon Exch-Local 400*2P				
2D	Vithon Exch-Local 200*2P				
3D	Vithon Exch-Local 200*2P				
4D	Vithon Exch-Local 20*2P, 10*3P				
5	**ANANDPAR EXCHANGE**				
1E	Anandpar Exch-Local 100*1P				
2E	Anandpar Exch-local 50*2P				
6	**KALYANPAR EXCHANGE**				
1F	Kalyanpar Exch.-Local 400*1 P				
2F	Kalyanpar Exch.-Local 50*2 P				
3F	Kalyanpar Exch.-Local 20*2 P				
4F	Kalyanpar Exch.-Local 10*3 P				
7	**MADHAPAR EXCHANGE**				
1G	Madhapar Exch-Local 100*1 P				
2G	Madhapar Exch-Local 50*1 P				
3G	Madhapar Exch-Kurbai 100*1 P				
8	**SUKHAPAR ROHA EXCHANGE**				
1H	Sukhapar roha Exch-Local 400*2P				
2H	Sukhapar roha Exch-Local 100*2P				
3H	Sukhapar roha Exch-Local 50*2P				
4H	Sukhapar roha Exch-Local 20*2P				
9	**VESALSAR EXCHANGE**				
1I	Vesalsar Exch-Local 100*1 p				
10	**ANANDSAR EXCHANGE**				
1J	Anandsar Exch-Local 100*1P				
2J	Anandsar Exch-Local 20*1P				
11	**GADHSISA EXCHANGE**				
1K	Gadhsisa Exch-Local 400*1P				
2K	Gadhsisa Exch-Local 200*1P				

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

Annexure-II

Case No. : GUJ 759 Name of Power Line: Green Infra wind Energy Ltd.(GIWEL-Bhuj)-Bhuj PS 220kV S/C line.			Map Scale: 1cm=500 mts. Route Length: 63.27 Km Average SR Value:25000 Ω _cm		
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Faults Current in Amps.	I.V in Volts
WESTERN RAILWAY					
Ref. no. SG.158/28/12 (940)			**Dated: 12-06-2018**		
Affected Blocks & Telecom Circuits Details					
1	SUKHPAR-DESHALPUR	OUT OF IV CONSIDERATION ZONE			0
2	DESHALPUR-SUKHPUR ROHA	1.4	0.0107	8050	86
3	SUKHPUR ROHA-SANOSARA	0.7	0.0008	8500	7

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

Annexure - 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)/1112/

25 Jul 2018

Suzlon Power Infrastructure Ltd.
Ist floor:Mangal Shanti Opp. Mangal Bhavan
Nirmala Convent Road,
Rajkot-360 007 India

PTCC APPROVAL OF THE CENTRAL GOVERNMENT FOR LAYING OF 220KV OVERHEAD LINE UNDER ELECTRICITY ACT 2003

1. Reference your letter No. SPIL/PE/GJ-fulra Desalpar/ 2018-19/PTCC/0001 E/dt Nil (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 :-

Central Electricity Authority
Power Communication Development Division
NRPC Complex,18-A, Shaheed Jeet Singh S Marg
Katwaria Sarai, New Delhi – 110016 - For information.