

### 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-749/728-730

Date: 19.06.2019

DET (PTCC), Western Zone, Bharat Sanchar Nigam Limited (BSNL), O/o DET(PTCC), QA & Inspection Circle, 3<sup>rd</sup> Floor, D-Wing, BSNL Admin Bldg., Juhu Tara Road, Santacurz (West), Mumbai -- 400054.

Ref: (i) BSNL letter no. IC/MBI/PTCC/GUJ-2461 dated 28.03.2018

- (ii) Western Railway letter no. SG.158/28/12/ 1029 dated 31.10.2018
- (iii) Defense letter no. B/46937/Sigs 7(b)/1060/ dated 23.05.2018

Sir.

The low frequency induction on BSNL Telecommunication circuits as per details furnished vide above cited references (i) have been examined. The Soil Resistivity value has been taken as 15,000 Ohmscm, as per data submitted by Power Authority. Voltages likely to be induced on paralleling BSNL Telecom Cables under single line to ground fault condition are enclosed at Annex-I. The screening factors as applicable have been considered. Western Railway vide above ref (ii) has informed that their lines are out of 8 km area of the proposed power line hence no induced voltage calculations are done. Defense has accorded NOC vide above Ref.(iii) for the above line (a copy 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) \(^1\)
Chief Engineer

### Copy to

 Office of CSTE, Western Railway, S&T Dept., 5<sup>th</sup> Floor, Station Building, Churchgate, Mumbai – 400020 (Only Cover Letter)

 Chief Manager, WRTS-II, PGCIL, Regional Head Quarter, Plot No. 54, Adjacent to Riya – Revati Resort, Opp. Ambe Vidhyalaya, Sama- Savli Road, Vadodara – 390008.

CEA	Office	Case No G. U.T - 749	Map scale- 1 Cr	ns = 500 Mete	rs	
DET (PTCC) Office Case No. 2461			Route Length- 2.554 KMs			
Rail	way Off	ice Case No.	Soil Resistivity- 15000 Ohm/CM			
Name of Power Line: lilo OF 220 KV D/C d/c Vapi - Khadoli Transmission line at Vagchipa S/S associated with the						
UT of Dadra & Nagar Haveli.						
DETAILS FROM BSNL SIDE			DETAILS FROM POWER COMPANY			
SI.			Length of	Mutual	Fault	
No	. 1	ame of the Telecom line/Cable	parameter in	coupling in	Current in	Induce Voltage in
		·	KM	Ohms	Amp	Volts .
1	SILVAS	A EXCHANGE				
1A	Silvasa	Exchlocal1200*2 P	1			
2A	Silvasa	exchlocal800*2 P				
-		Exchlocal800*1 + 400*1 P	1 > - 1 11	15 tran	430V	
4A	Silvasa	Exchlocal400*3 P				
5A	Silvasa	Exchlocal100*5 P	J			
2	KSL EX	HANGE		·		
18	KSL Ex.	- Local400*1+200+200 P	(- IV 1	is than	420V	-
3	WELSP	JN EXCHANGE				
1C	Welsp	un ExchLocal-400*1+200+100+100	E 1V	less the	m 420	V
		CHANGE				
1D	SSR Ex	ch-Local-400*1+200*1+200*1 P	<-IV	less the	1 430	/>
5	JALAR	AM EXCHANGE				
1E	Jalarai	m ExchLocal-800*1+400+200+200 P	~ IV	less to	sen 431	V
6	DADR	A EXCHANGE				· ·
1F	Dadar	a ExchLocal-400*2 P	1			
2F	Dadar	a ExchLocal-200*4 P				
3F	Dadar	a ExchLocal-100*4 P	1 - out	4 112 W	1	<u> </u>
4F	Dadar	a ExchLocal-100*3 P		, v		
5F	Dadar	a ExchLocal-50*1 P	J		1	

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

ANNET-11

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)/1060 /

May 2018

403-749

Chief Manager (Engg)
Power Grid Corporation of India Itd
Reg onal HQ, Plot No 54,Adjscent to Riya Ravati Resort,
Opp Ambe Vidhyalaya, Sama Savli Road,
Vadodara - 390008

# PTCC ROUTE APPROVAL OF LILO OF 220 KV D/C VAAPT - KHADOLI TRANSMISSION LINE AT VAGCHIPA SUB-STATION "ASSOCIATED WITH THE UT OF DADAR & NAGAR HAVELI - MARKING OF DEFENCE TELECOM DETAILS

- 1. Reference your letter No. WRTS-II/ENGG/Vadodara/PTCC/2106/220 KV Vapi Khadoli at Vagchipa SS/09/5620 dt 20 Mar 2018.
- 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.

(Bikram Kunwar)

Lt Col.

GSO 1 (Comn)

for SO-in-C

Copy to :-

Director, PTCC, CEA,
Load Dispatch & Telecommunication Division,
NREB Copmplex, 18A, Shaheed Jeet Singh Marg,
Katwaria Saria, New Delhi – 110016

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