



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

सं.: के.वि.प्रा./पी.सी.डी/जी.यु.जे-723/2583-85

दिनांक:12/12/2018

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

**Subject: PTCC Proposal of 220kV LILO to Vondh S/S from 220kV Tappar-Hadala line**

- Ref:** i) BSNL Letter No. IC/MBI/PTCC/GUJ-2421, Dated-28/06/2018  
ii) Dy. CSTE/PLG/CCG. WR, Mumbai, Letter No. SG.158/28/12(747), Dated 22/12/2016.  
iii) Defense Letter No. B/46937/Sigs 7(b)/289, Dated 10.11.2016

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 15,000 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. Vide ref. (iii) above, Defense Authority have issued No Objection Certificate (NOC) (enclosed as Annex -III).

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

Encl: As above

Yours faithfully,

(नरेश भंडारी)  
मुख्य अभियंता

**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. Chief Engineer(Projects), Sardar Patel Vidyut Bhavan, Race Course, Vadodara, Gujarat-390007

## ANNEXURE - II

Case No.: GUJ 723

Name of the Power line: 220kV LILO to Vondh S/S from  
220kV Tappar-Hadala line

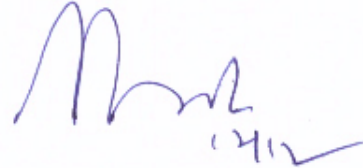
Map Scale : 1cm=500mts

Total Length : 1.77 Km.

S.R. Value : 15,000 Ohms-cm

S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
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WESTERN RAILWAY			
Ref. No. SG/158/28/12(747) Dated the 22-12-2016			
1.	Samakhiyali-Vondh	Out of parallelism	0
2.	Vondh-Bhachau	Out of parallelism	0
3.	Bhachau-Chirai	Out of parallelism	0



मुख्य अभियंता/Chief Engineer  
केंद्रीय विद्युत प्रशासन/C.E.A.  
राजा भवन, अवर.कें. गुवा.  
Sadar Bazar, R.K. Puram,  
New Delhi-110002

## ANNEXURE - I

Case No.: GUJ 723

Name of the Power line: 220kV LILO to Vondh S/S from  
220kV Tappar-Hadala line

Map Scale : 1cm=500mts

Total Length : 1.77 Km.

S.R. Value : 15,000 Ohms-cm

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

Ref. No. IC/MBI/PTCC/GUJ-2421 Dated at Mumbai, the 28-06-2018

**BHACHAU EXCHANGE**

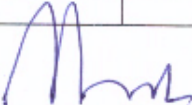
1A Bhachau Exchabge-Local-100\*1P

2A Bhachau Exchabge-Local-800\*1P

3A Bhachau Exchabge-Local-800\*1P

4A Bhachau Exchabge-Local-800\*1P

OUT OF PARALELISM


  
17/12

मुख्य अभियन्ता/Chief Engineer  
केन्द्रीय विद्युत प्राधिकरण/C.E.A.  
सहायक, उत्तर क्षेत्र, पुणे,  
Sector Engineer, R.C. Puram,  
विद्युत विभाग, नई दिल्ली-66

Tele : 23019746

Directorate General  
Signals 7  
General Staff Branch  
Integrated HQ of MoD (Army)  
DHQ PO, New Delhi - 110011

B/46937/Sigs 7(b)/289/

10 Nov 2016

Chief Engineer (Project)  
Gujarat Energy Transmission Corporation Ltd  
Sardar Patel Vidyut Bhawan  
Race Course, Vadodara - 390007

SUBMISSION OF PROPOSAL FOR HV/EHV TRANSMISSION LINE OF  
GETCO FOR PTCC APPROVAL

200 KV Vondh from Dahanu

1. Ref your letter No CE(Project)/EE(Tr.-3)/ 3473/ dt 15 Jul 2016. Tappan Madala  
GSO
2. No Objection Certificate (NOC) is accorded based on inputs provided in Map sheets received under your letter mentioned above.
3. Documents alongwith map sheets (in original) are forwarded herewith for your further action.

*BSK*

(BS Kunwar)  
Lt Col  
GSO 1 (Comd)  
for SO-in-C

Enclosures : (As above)

The Divisional Engineer (Telegraphs)(PTCC)  
BSNL, 3<sup>rd</sup> Floor, 'D'Wing, Telecom Complex  
Juhu Tara Road, Juhu Danda, Santracruz West,  
Mumbai - 400054

for information pl