



सत्यमेव जयते



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division

CEA Case No.: MRA-1350		
Induced Voltage (IV) calculation for PTCC proposal of LILO of 220 kV D/c Padghe- Wada transmission line at proposed 220 kV Abitghar S/s. (7.378 km O/H + 0.6 km U/G Cable)-regd.		
S.No.	Reference	Dated
(i)	MSETCL: MSETCL/CO/PS/PTCC/In/B-630/00322	14.01.2026
(ii)	MSETCL: e-mail	16.04.2026
(iii)	BSNL: IC/MBI/PTCC/MRA-2786/03	05.03.2026
(iv)	Central Railway: N.705/T/PTCC/220kV/MAH-1010	17.02.2026
(v)	Defense: B/46937/Sigs-7(b)/5628	02.04.2026

The PTCC proposal submitted vide above references (i) and (ii) has been examined. DET (PTCC), Western Zone vide reference (iii), GM(S&T) Central Railway vide reference (iv) and DG Signals, MoD vide reference (v) has issued NO Objection Certificate(NOC) for charging of the line.

EPR Zones for proposed substations are mentioned below.

Name of the proposed SS	Half Diagonal Distance, D/2 (mts)	Fault Current, I (kA)	Resistance of earthmat, R (Ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7 kV	d (mts) at 10 kV
Abitghar S/s	56.18	25	0.405	1267	818	25	N.A

As per the details submitted by BSNL vide reference (iii) above, no telephone exchanges are falling in the EPR zone of the proposed substation.

Taking above into consideration, necessary action for issuance of PTCC route approval (RAC) shall be taken under intimation to this office in the stipulated period as specified in PTCC Manual and subsequent CLPTCC meetings.

As per the decision taken in 111th and 112th CLPTCC meeting, necessary instructions for "Deemed Energization approval" shall be specified while issuing RAC.

Digitally signed by
Suman Kumar Maharana
Date: 28-04-2026
16:07:41

Chief Engineer

To,

1.	DET (PTCC), Western Zone	QA & Inspection circle, 1st floor, D- wing, BSNL Admin Bldg., Juhu Tara Road, Santacruz (West), Mumbai-400055	
2.	Chief Engineer (Projects Schemes)	MahaTransco C.O., 'Prakashganga' Plot No C-19, E- Block, BKC, Bandra(E) , Mumbai-400051	Copy for information

Directorate General of Signals (Signals-7)
General Staff Branch
Integrated HQ of MoD (Army)
DHQ PO, New Delhi -11

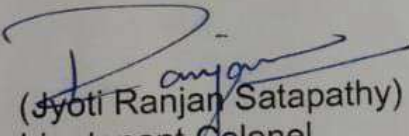
EHV Project Kalwa	1067
DATE	13/04/26
TECH	
HR	DyEE(SK)
F&A	

B/46937/Sigs-7(b)/5628 dt 02 Apr 2026

O/O The Superintending Engineer EHV Project Circle
Kalwa, Thane Belapur Road, MSETCL Complex
Airoli Naka Navi Mumbai, PIN-400708

**ESTABLISHMENT OF 220/22 KV ABHITGHAR GIS SUBSTATION ALONG
WITH LILO ON EXISTING 220KV PDGHE-WADA LINE AT LOC 97 & 98 AT
PROP. 220KV ABITGHAR SUBSTATION UNDER VASHI ZONE
APPROVAL OF 0.4 ACSR ZEBRA CONDUCTOR GTP & DRAWING
THEREOF**

1. Ref your letter No SE/EHV/PC/KLW/TS-194/NO-00787 Dt 13 May 2026
2. No Objection Certificate (NOC) is **accorded** based on inputs provided as per Map sheet received vide your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.


(Jyoti Ranjan Satapathy)
Lieutenant Colonel
General Staff Officer Grade-1 (Communication)
for Additional Director General (Telecommunication)



Copy to:-

HQ Southern Comd (Sigs)
PIN -908541
C/o 56 APO

Chief Engineer, PSCD Division
Central Electricity Authority
Room No 702 (North Wing)
Sewa Bhawan, RK Puram, Sector-1
New Delhi-110 066

For info pl.