



## भारत सरकार Government of India विद्युत मंत्रालय Ministry of Power केन्द्रीय विद्युत प्राधिकरण Central Electricity Authority विद्युत संचार विकास प्रभाग

Power Communication Development Division

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No. CEA/PCD/PTCC/MRA-1155/5/--/8

Date: 11.09.2020

Subject: Induced Voltage calculation in respect of PTCC proposal for 220 kV D/C Line from LILO point (L.No. 77) of existing 220 kV Karad – KDPH line to LILO point (L.No. 130) of 220 kV Karad – Pedambe line (for existing 220 kV Dhajgaon Wind Farm S/s), length = 2.03 kms.

Ref: (i) MSETCL letter no. MSETCL/CO/PS/S-I/PTCC/B-564/01443 dated 15.02.2019

(ii) BSNL letter no. IC/MBI/PTCC/MRA-2411/05 dated 18.03.2019

(iii) Central Railway letter no. N.153/PTCC/220kV/MAH-725 RC dated 12.07.2020

(iv) Defense letter no. B/46937/Sigs 7(b)/1492 dated 02.04.2019

MSETCL submitted the subject proposal vide above cited reference (i). The low frequency induction on BSNL circuits as per details furnished vide above cited reference (ii) has been examined. The 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 Telecom Cables under single line to ground fault condition are enclosed at Annex-I. The screening factors as applicable have been considered. Central Railway and Defense have accorded NOC vide above reference (iii) and (iv) respectively for the above line (Copies enclosed at Annexure – III respectively).

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

Enclosures.: As above.

Upenda/huma

(Upendra Kumar) Chief Engineer

To,
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

## Copy to:

 Chief Engineer(Project Schemes), MSETCL, Plot No. C-19, E-Block, Prakashganga, Bandra-Kurla Complex, Bandra (East), Mumbai – 400051.

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

Parallelism:	KDPH - K KDPH - K Keyrood	O JL-CM Carad Tr.	1-	nisting 120/331
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क्राराज /FARAZ उप निदेशक / Deputy Director केन्द्रीय विद्युत प्राधिकरण / C.E.A. विद्युत मंत्रालय / Min. of Power भारत सरकार / Govt. of India नई दिल्ली / New Delhi-66

## MRA-1155



CENTRAL RAILWAY

Headquarters Office S&T Branch, 3<sup>rd</sup> Floor, Annex Bldg, Mumbai CSMT,

No:- N.153/PTCC/220kV/MAH-725

Date: 26th February 2019

DET (PTCC),
3rd Floor, "D" Wing,
Admin Bldg., BSNL Complex
Santacruz(W),
Mumbai – 400 054.

Sub: PTCC proposal for 220kV DC line, from LILO point (L.No. 77) of existing 220kV Karad – KDPH line to LILO point (L.No. 130) of 220kV Karad – Pedambhe line (for existing 220kV Dhajgaon Wind Farm SS).

Ref: MSETCL Office L. No. MSETCL/CO/PS/S-I/PTCC/B-564/01443 dated 15.02.2019.

Based on the route map & Performa -II the proposed power line is 35km from the nearest existing railway station Karad.

Hence, this office hereby issues NOC subject to the condition that any adverse effect observed on Signal & Telecom Circuits of Central Railway after charging the proposed power line & substation, the power authority will bear the cost of damages to Central Railway assets.

(Vijay S Mohad)

ESTE / Network / HQ

For GM (S&T)

Central Railway, CST Mumbai

Copy to: Chief Engineer (Projects Schemes).

MSETCL, Prakashganga,

Plot No. C-19, 'E' Block, BKC,

Bandra (East),

Mumbai – 400 051.

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

B/46937/Sigs 7(b)/1492/

le : 23019746

(1) Apr 2019

Office of the Chief Engineer, Projects Schemes Department Maharashtra State Electricity Transmission Co. Ltd "Prakashganga", Plot No C-19, 'E' Block, Bandra - Kurla Complex, Bandra (East), Mumbai-400051

## PTCC PROPOSAL FOR 220KV DC LINE, FROM LILO POINT (L.NO. 77) OF EXISTING 220 KARAD-KDPH LINE TO LILO POINT (L.NO. 130) OF 220KV KARAD-PEDAMBHE LINE (FO EXISTING 220KV DHAJGAON WIND FARM S/S), LENGTH=2.03KMS

- Ref your letter No MSETCL/CO/PS/S-I/PTCC/B-564/No 01443 dt 15 Feb 2019 (copy att). 1.
- No Objection Certificate (NOC) is accorded based on inputs provided vide Map shee received under your letter mentioned above.
- 3. Documents alongwith map sheets (in original) are forwarded herewith for your further action.

Maj

GSO 1 (Comn) for SO-in-C

Enclosures : As above

Copy to :-

The Director (PTCC), CEA Power Communication Development Division NRPC Complex, 18-A Shaheed Jeet Singh Marg Katwaria Sarai, New Delhi - 110016

for information.