

I/25817/2023



सत्यमेव जयते



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

CEA Case No. : MRA-1203		
PTCC approval for 220 kV LILO line from existing 220 kV Bridgestone – Chakan-II line to proposed 220 kV S/S of M/s Tetra Pak Pvt Ltd at Chakan MIDC Pune (0.150 km) - regd.		
S. No	Reference No.	Dated
(i)	MSETCL: MSETCL/CO/PS/PTCC/In/O-218/04851	04.07.2022
(ii)	MSETCL: Email	19.01.2023
(iii)	BSNL: IC/MBI/PTCC/MRA-2552/03	07.09.2022
(iv)	Central Railway: N.153/PTCC/220kV/MAH-815	22.07.2022
(v)	Defense: B/46937/Sigs 7(b)/2954 received via MSETCL email dated 13.01.2023	02.09.2022

The PTCC proposal submitted vide reference (i) & (ii) has been examined. The LF induction on communication circuits of BSNL with respect to details furnished vide above reference (iii) has been computed. The voltage likely to be induced on paralleling communication circuits of BSNL under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors as applicable have been considered. Central Railway and DG Signals, MoD have issued No Objection Certificate (NOC) vide above references (iv) and (v) respectively. A copy of Defense NOC is enclosed as Annexure-II.

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
220 kV S/S of M/s Tetra Pak Pvt Ltd	60.88	30	0.072	244.9	141.4	NIL	NIL

As per the details submitted by BSNL vide reference (iii) above, no telephone exchanges are falling in the EPR zone of the proposed 220 kV S/S of M/s Tetra Pak Pvt Ltd.

Taking above into consideration, necessary action for issuance of PTCC route approval may be taken under intimation to this office.

Encl.: As above

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Western Zone	QA & Inspection circle, 1 st floor, D- wing, BSNL Admin Bldg., Junu Tara Road, Santacruz (West), Mumbai-400054	
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I/25817/2023

2.	Superintending Engineer (Project Schemes)	MSETCL, O/o Superintending Engineer (Project Schemes Dept.), Prakashganga, P. No. C19, #E, BKC, Bandra (East), Mumbai - 400051	Copy for information
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ANNEXURE-I

CEA Case No.: MRA-1203 Name of the Power line: 220 kV LILO line from existing 220 kV Bridgestone – Chakan-II line to proposed 220 kV S/S of M/s Tetra Pak Pvt Ltd at Chakan MIDC Pune			Map Scale : 1 cm= 500 m Total Length : 0.150 km S.R. Value : 10000 Ohm-cm		
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
BSNL Letter No: IC/MBI/PTCC/MRA-2552/03 Date: 03.09.2022					
1	Ambethan				
	400 Pair X 2 No. (0.3 km)	Out of parallelism			
2	Mahalunge				
	100 Pair X 1 No. (0.4 km)	Out of parallelism			

I/25817/2023 Tele : 23019746


C.E.(Proj. & Schemes)	1068
Date	13.09.2022

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

B/46937/Sigs 7(b)/2954/

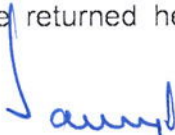
ee (PTCC/MERC)

02 Sep 2022

Office of the Superintending 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, LILO ON EXISTING 220KV CHAKAN-II-
BRIDGESTONE LINE FOR PROPOSED 220KV TETRA PAK INDIA PVT LTD. (AT
CHAKAN MIDC, PUNE), LENGTH=0.15KMS

1. Refer your letter No MSETCL/CO/PS/PTCC/In/O-218/No 04851 dt 04 Jul 2022 (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided as per Map sheets received vide your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.


(PS Samyal)
Col
GSO 1 (Comn)
for ADG T

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

The DET(PTCC), Northern Zone
O/o PGM (North), QA & Inspection Circle,
D-Tax Building, Eastern Court, Janpath
New Delhi-110001