



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

Case No. : MRA-1152:
PTCC proposal for LILO of 220 kV DC existing Pedambe to Mahad line at proposed 220 kV Kalam bani TSS of KRCL :0.116 km

Reference:		
S. No.	Reference No.	Dated
(i)	MSETCL: MSETCL/CO/PS/S-I/PTCC/B-561/No 708	22.01.2019
(ii)	BSNL: IC/MBI/PTCC/MRA-2403/04	23.03.2021
(iii)	Konkan Railway Corporation Limited :KR/RN/S&T/PTCC/220KV/Kalam bani TSS	19.03.2020
(iv)	Defense: B/46937/ Sigs 7(b)/1431	12.03.2019

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on telecom cables of BSNL and Block & Telecom circuits of Konkan Railway Corporation Limited with respect to details furnished vide above references (ii) and (iii) respectively has been computed. The voltages likely to be induced on paralleling telecom cables of BSNL and Block & Telecom circuits of Konkan Railway Corporation Limited under Single Line to Ground fault condition are enclosed at Annexure-I and Annexure-II respectively. The screening factors, as applicable, have been considered. Vide reference (iv) above, The Defence Authority have issued No Objection Certificate (NOC). (a copy enclosed as Annexure-III)

Taking above into consideration, necessary action regarding issuance of PTCC route approval may be taken.

Encl.: As above.

Signature Not Verified
 Digitally signed by PRATAP SINGH
 PRATAP SINGH
 Date: 2021.06.18 17:32:27 IST

Director

To,

1.	Divisional Engineer (PTCC), Western Zone	BSNL; Inspection Circle, 3 rd Floor, D-Wing, BSNL Admin Building, Juhu Tara Road, Santacruz (West), Mumbai-400054.	Annexure-I & Annexure-III only
2.	Regional Signal & Telecom Engineer	Konkan Railway Corporation Limited; Railway Complex Mirjole M.I.D.C. Ratnagiri-415639.	Annexure-II only
3.	Chief Engineer (I/C), Project Schemes	MSETCL; Office of Chief Engineer (Projects Schemes Department), C.O., 'Prakashganga', P. No. C-19, E Block, Bandra- Kurla Complex, Bandra (East), Mumbai-400051.	Copy for information

MIC

CEA No: MRA-1152, S.R. = 10,000-20m

(Annexure - I)

BSNL Circuit details for 22KV DC Line, LILO on existing 220KV Pedambe-Mahad line for proposed 220KV Kalambani TSS of Konkan Railway Corporation Ltd(KRCL), Length = 0.116 Kms.

1. Continuous Circuit:-

S No	Section	Station	Circuits	Working on	IV calculations
1.	Khed to Bharane	Khed	200 Pairs copper cable	copper	IV less than 430V
2.	Khed exchange to Teenbathi naka	Khed	400 pair copper cable	copper	

2. Discontinuous Circuit:-

S.No	Type of Circuits	Sections/Connected To	Working on	IV calculations
1.	Khed Telephone exch.	Khed	optical fiber cable	IV less than 430V
2.	Khawati exchange	Khed	microwave tower	
3.				

gjanij

तनुज/TANUJ
सहायक निदेशक-II/Asstt. Director-II
केन्द्रीय विद्युत प्राधिकरण/C.E.
विद्युत मंत्रालय/Ministry of Power
भारत सरकार/Govt. of India
नई दिल्ली/New Delhi-66

ANNEXURE – II

Case No.: MRA-1152 Name of the Power line: LILO of 220 kV DC existing Pedambe to Mahad line at proposed 220 kV Kalambani TSS of KRCL.			Map Scale : 1 cm=500 m Total Length : 0.116 km S.R. Value : 10,000 ohm-cm		
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.

Konkan Railway Corporation Limited :KR/RN/S&T/PTCC/220KV/Kalambani TSS Dated: 19.03.2020

Affected Blocks & Telecom Circuits Details

1	KHED-DWV	0.116	0.0015	10000	16
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तनुज JANIJI
सहायक निदेशक-II / Asstt. Director-II
केन्द्रीय विद्युत प्राधिकरण / C.E.
विद्युत मंत्रालय / Ministry of Power
भारत सरकार / Govt. of India
नई दिल्ली / New Delhi-66

Tele : 23019746

(Annexure - III)

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

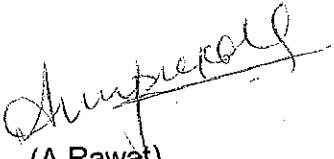
B/46937/Sigs 7(b)/1431/

12 Mar 2019

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

**PTCC PROPOSAL FOR 220KV DC LINE, LILO ON EXISTING 220KV PEDAMBE-MAHAD LINE
FOR PROPOSED 220KV KALAMBANI TSS OF KONKAN RAILWAYS CORPORATION LTD.
(KRCL), LENGTH=0.116KMS**

1. Ref your letter No MSETCL/CO/PS/S-I/PTCC/B-561/No 708 dt 22 Jan 2019 (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheets received under your letter mentioned above.
3. Documents alongwith map sheets (in original) are forwarded herewith for your further action.


(A Rawat)
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.