

I/25358/2022



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-1206		
PTCC approval for 220 kV transmission line modification for providing required clearances to upcoming NHRCL (Bullet train) project at village Maan, Boisar: 220 kV D/C (BOI-DHN & BOI-VSV ckt) transmission line - regd.		
S. No	Reference No.	Dated
(i)	AEML: AEML-MT/PROJECTS/STG/03/2022-23	10.06.2022
(ii)	Western Railway: SG.158/28/09/326	26.07.2022
(iii)	Defense: B/46937/Sigs 7(b)/2962	24.08.2022
(iv)	BSNL: IC/MBI/PTCC/MRA-2566/03	21.11.2022

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on communication circuits of Western Railway and BSNL with respect to details furnished vide above reference (ii) and (iv) respectively have been computed. The voltage likely to be induced on paralleling communication circuits of UG cables of BSNL and Western Railway 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 (iii) above, DG Signals, MoD has issued No Objection Certificate (NOC) (enclosed as Annexure-III).

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	
2.	GM (S&T) Western Railway	Office of PCSTE, S&T Dept., 5 th floor, Station Building, Churchgate, Mumbai – 400 020	With a request to henceforth, forward details of railway block and communication circuit along with route map for IV calculation <i>to this office</i> with a copy marked to concerned DET PTCC.
3.	DGM (Projects), AEML	Adani Electricity Management Institute, Opp SEEPZ Gate No. 3, Jogeshwari Vikhroli link road, Goregaon (E), Mumbai 400 065	Copy for information.

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ANNEXURE-I

CEA Case No.: MRA-1206 Name of the Power line: 220 kV transmission line modification for providing required clearances to upcoming NHRCL (Bullet train) project at village Maan, Boisar: 220 kV D/C (BOI-DHN & BOI-VSV ckt) transmission line			Map Scale : 1 cm= 500 m Total Length : 1.34 km S.R. Value : 30000 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-2566/03 Date: 21.11.2022

Affected Blocks & Telecom Circuits Details

<u>Tarapur Telephone Exchange (MIDC)</u>	
1	Exchange to Saroli Pillar
2	Exchange to Tarapur Village Kurgaon
3	Exchange to BARC Taps Colony Gate
4	Exchange to Mahindra Park

Out of parallelism

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ANNEXURE-II

CEA Case No.: MRA-1206		Map Scale : 1 cm= 500 m			
Name of the Power line: 220 kV transmission line modification for providing required clearances to upcoming NHRCL (Bullet train) project at village Maan, Boisar: 220 kV D/C (BOI-DHN & BOI-VSV ckt) transmission line		Total Length : 1.34 km		S.R. Value : 30000 Ohm-cm	
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
WESTERN RAILWAY Letter No: SG.158/28/09/326 Date: 26.07.2022					
<u>Affected Blocks & Telecom Circuits Details</u>					
1	Palghar - Umroli	Out of parallelism			0
2	Umroli - Boisar				0
3	Boisar - Vangaon				0
4	Vangaon – Dahanu Road				0

B/46937/Sigs 7(b)/2962/

24 Aug 2022

Dy. General Manager (Projects)
Adani Electricity Mumbai Ltd.
(Formerly Reliance Electric Generation & Supply Ltd)
Adani Electricity Management Institute
Opp. SEEPZ Gate No. 3, Jogeshwari Vikhroli Link Road
Goregaon (E), Mumbai-400065, Maharashtra, India

**PTCC CLEARANCE FOR DIVERSION/MODIFICATION OF PORTION OF EXISTING
DOUBLE CIRCUIT 220KV BOISAR TIE LINE (BTL) TO PROVIDE REQUIRED
ELECTRICAL CLEARANCE TO THE UPCOMING NHSRCL ROUTE AT BOISAR
AREA**

1. Refer your letter No AEML-MT/PROJECTS/STG/03/2022-23 dt 10 Jun 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.

Samya
(PS Samya)

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

Sh. Prateek
me
13/8

