

I/25338/2022



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-1204		
PTCC approval for 220 kV transmission line modification for providing required clearances to upcoming NHRCL (Bullet train) project at village Gokhivare, Vasai: Both 220 kV LS D/C (DHN-GBR) & SS D/C (DHN-VSV & BOI-VSV ckt) transmission line-Regd.		
S. No	Reference No.	Dated
(i)	AEML: AEML-MT/PROJECTS/STG/05/2022-23	10.06.2022
(ii)	Western Railway: SG.158/28/09/327	26.07.2022
(iii)	Defense: B/46937/Sigs 7(b)/2960	24.08.2022
(iv)	BSNL: IC/MBI/PTCC/MRA-2567/03	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 with a copy marked to concerned DET PTCC.
3.	DGM (Projects), AEML	Adani Electricity Management Institute, Opp SEEPZ Gate No. 3, Jogeshwari Vikhroholi link road, Goregaon (E), Mumbai 400 065	Copy for information.

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ANNEXURE-I

CEA Case No.: MRA-1204 Name of the Power line: 220 kV transmission line modification for providing required clearances to upcoming NHRCL (Bullet train) project at village Gokhivare, Vasai: Both 220 kV LS D/C (DHN-GBR) & SS D/C (DHN-VSV & BOI-VSV ckt) transmission line.			Map Scale : 1 cm= 500 m Total Length : Land Side= 2.21 km, Sea Side = 2.06 km S.R. Value : 25000 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-2567/03 Date: 21.11.2022

Affected Blocks & Telecom Circuits Details

(A)	<u>Vasai Road (West) Exchange</u>				
1	Exchange to Dhuri Complex Omnagar	0.6	0.002	9450	19
2	Exchange to Krishna township	Out of parallelism			
3	Exchange to K.T. Village	Out of parallelism			
4	Exchange to Sai Village	Out of parallelism			
5	Exchange to Rana Pillar	Out of parallelism			
6	Exchange to Station road (PWD office)	0.3	0.0001	9450	9
(B)	<u>Manikpur Exchange</u>				
1	Exchange to Chulana Village	Out of parallelism			
2	Exchange to Rajhans dreams	Out of parallelism			
3	Exchange to Dewan Hsg Talao	Out of parallelism			
4	Exchange to Manikpur Petrol pump	Out of parallelism			
5	Exchange to Manikpur Village	Out of parallelism			
(C)	<u>Neminath Exchange</u>				
1	Exchange to Sarang GND Estate	Out of parallelism			
2	Exchange to MSEB colony	Out of parallelism			
3	Exchange to Vara No. 4	Out of parallelism			

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4	Exchange to Ramdas Nagar	Out of parallelism			
(D)	<u>Gokhiware Exchange</u>				
1	Exchange to Vrindavan	0.7	0.016	9600	154
2	Exchange to Union Bank	Out of parallelism			
3	Exchange to Mandir Pillar	Out of parallelism			
4	Exchange to Neminath Tower	0.4	0.0086	9784	84
(E)	<u>Waliv Exchange</u>				
1	Exchange to Waliv Naka	Out of parallelism			
2	Exchange to Gaurai Naka	0.3	0.00831	9800	81
3	Exchange to Mahindra Showroom	0.7	0.0291	9760	291
(F)	<u>Satiwali Exchange</u>				
1	Exchange to Hanuman Mandir	Out of parallelism			
2	Exchange to Dhuri II	Out of parallelism			
3	Exchange to G.R. Hotel	0.65	0.003	9450	28

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ANNEXURE-II

CEA Case No.: MRA-1204 Name of the Power line: 220 kV transmission line modification for providing required clearances to upcoming NHRCL (Bullet train) project at village Gokhivare, Vasai: Both 220 kV LS D/C (DHN-GBR) & SS D/C (DHN-VSV & BOI-VSV ckt) transmission line.		Map Scale : 1 cm= 500 m Total Length : Land Side= 2.21 km, Sea Side = 2.06 km S.R. Value : 25000 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.158/28/09/327 Date: 26.07.2022

Affected Blocks & Telecom Circuits Details

1	Bhayandar RS to Naigaon RS	Out of parallelism			0
2	Naigaon RS to Vasai Road RS	Out of parallelism			0
3	Vasai Road RS to Nallasopara RS	2.2	0.0015	9450	15
4	Nallasopara RS to Virar RS	Out of parallelism			0
5	Virar RS to Vaitarna RS	Out of parallelism			0

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Annexure-III

Tele : 23019746

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

B/46937/Sigs 7(b)/2960/

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
220KV LAND SIDE (LS) AND SEA SIDE (SS) DOUBLE CIRCUIT TRANSMISSION
LINES TO PROVIDE REQUIRED ELECTRICAL CLEARANCE TO THE UPCOMING
NHSRCL ROUTE AT VASAI AREA**

1. Refer your letter No AEML-MT/PROJECTS/STG/05/2022-23 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.

Samy
(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

sk forsterk
12/15/19

