



सत्यमेव जयते



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

CEA Case No. : MRA-1316		
PTCC proposal for 220 kV D/C Transmission Line from 220 kV AEML BKC S/s to 220 kV AEML Aaray S/s (Length: 14.855 km) - Regd.		
S. No	Reference No.	Dated
(i)	AEML : AEML/TCC/AarrayBKC/25-26/004	05.08.2025
(ii)	AEML: e-Mail	08.12.2025
(iii)	BSNL: IC/MBI/PTCC/MRA-2757/03	14.11.2025
(iv)	Western Railway: SG.158/28/09/349	17.09.2025
(v)	Defense: B/46937/Sigs-7(b)/5065	04.11.2025

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

Taking above into consideration, necessary action for issuance of PTCC route approval (RAC) shall be taken under intimation to this office in the stipulated period as specified in PTCC Manual and subsequent CLPTCC meetings.

As per the decision taken in 111th and 112th CLPTCC meeting, necessary instructions for “Deemed Energization approval” shall be specified while issuing RAC.

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	
2.	GM (S&T)	Western Railway CST Terminus, Mumbai	
3.	Project Manager M/s Adani Electricity Mumbai Ltd.	AEML, 408 Old Village Borivalli, Mumbai	Copy for information.

ANNEXURE-I

CEA Case No.: MRA-1316		Map Scale : 1 cm= 500 m			
Name of the Power line: 220 kV D/C Transmission Line from 220 kV AEML BKC S/s to 220 kV AEML Aaray S/s.		Total Length : 14.855 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: IC/MBI/PTCC/MRA-2757/03 Dated 14.11.2025					
<u>Affected Blocks & Telecom Circuits Details</u>					
1.	AM(MKD/CHM)				
2.	ONPK RSU	-IV Less than 430V-			
3.	ASHISH RSU (ASH)				
4.	CHEMBUR (CHM)				
5.	MANKHAURD (MNKD)				
6.	AM(GKP-PWI)				
7.	GK PExch.	-IV Less than 430V-			
8.	NNGR				
9.	HINGWALA RSU (HGW)				
10.	GODREJ HILL RSU (GDJ)				
11.	Powai Main (PWI)				
12.	HARIYALI RSU (HRY)				
13.	Powai Telecom Qtr RSU (PTQ)				
14.	AM(WDL/SION)				
15.	SION	-IV Less than 430V-			
16.	MATUNGA (MNG)				
17.	WIT				
18.	WADALA(WDL)				
19.	AM(PRBD/WRLI)				
20.	MAHIM(MHM)	-IV Less than 430V-			
21.	Shivaji park (spk)				
22.	Prabhadevi (PBD)				
23.	Adarsh Nagar (ADSN)				
24.	AM (BANDRA)				
25.	BKC	-IV Less than 430V-			
26.	MMRDA				
27.	EPFBANDRA(BDR)				
28.	DTTC				
29.	KHR				
30.	JUHU DANDA				
31.	AM(VPL/VKL)				
32.	WTR	-IV Less than 430V-			
33.	VAKOLA (VKL)				
34.	Vile parle (VPL)				
35.	AM(MRL/SKV) Marosahi				
36.	Maroshi-MAROL	-IV Less than 430V-			
37.	MAROL (MRL)				
38.	DARPAN(DRPN)	2.0	0.0114	24000	274
39.	Wilson RSU (WLSN)	-IV Less than 430V-			
40.	Sakivihar (SKV)				
41.	SAKINAKA (SKN)				
42.	AM(ADR/VSV/JOG)				
43.	Versova	-IV Less than 430V-			
	Andheri				
	Jogeshwari				
	AM(Goregaon)				

44.	Goregaon(GGN)	-IV Less than 430V-
45.	Pahadi (PAHD)	
46.	Nirlon (NRLN)	
47.	Gokuldhm (GKD/DND)	
48.	AM (MALAD)	
49.	Malad	-IV Less than 430V-
50.	AM(MULUND)	
51.	BHANDUP BTM	-IV Less than 430V-

ANNEXURE-II

CEA Case No.: MRA-1316			Map Scale : 1 cm= 500 m		
Name of the Power line: 220 kV D/C Transmission Line from 220 kV AEML BKC S/s to 220 kV AEML Aaray S/s.			Total Length : 14.855 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: SG.158/28/09/349 Dated 17.09.2025					
<u>Affected Blocks & Telecom Circuits Details</u>					
1	Bandra R/s – Khar Road R/s	-Out of Parallelism-			
2	Bandra R/s - Bandra Terminus R/s	0.5	0.0005	26500	13
3	Khar Road R/s – Santacruz R/s	1.0	0.0008	26000	21
4	Santacruz R/s – Ville Parle R/s	1.5	0.0007	25800	18
5	Ville Parle R/s – Andheri R/s	1.5	0.00058	24000	14
6	Andheri R/s – Jogeshwari R/s	1.25	0.00053	22500	12
7	Jogeshwari R/s – Ram Mandir R/s	1.5	0.00039	25600	10
8	Ram Mandir R/s – Goregaon R/s	1.0	0.00046	26000	12