



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-1177 / 266 - 267
PTCC proposal of LILO of existing 220 kV Uran – JNPT (MUSS) S/C line for proposed 220 kV JNPT SEZ S/s (2.68 km)

Reference:		
S. No.	Reference No.	Dated
(i)	MSETCL: MSETCL/CO/PS/PTCC/220kV/B-575/No.01592	10.03.2021
(ii)	BSNL: IC/MBI/PTCC/MRA-2486	03.03.2022
(iii)	Central Railway: N.153/PTCC/220kV/MAH-772	15.07.2021
(iv)	Defense: B/46937/Sigs 7(b)/2381	20.05.2021

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

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

Encl.: As above.

राधेन्द्र शर्मा सिंह
Director 12/4/22

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.	
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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Power Communication Development Division

के.वि.प्रा. केस सं. : MRA-1177 / 266-267
पी.टी.सी.सी. प्रस्ताव LILO of existing 220 kV Uran – JNPT (MUSS) S/C line for proposed 220 kV JNPT SEZ S/s (2.68 km)

सन्दर्भ:		
क्रमांक	सन्दर्भ सं.	दिनांक
(i)	MSETCL: MSETCL/CO/PS/PTCC/220kV/B-575/No.01592	10.03.2021
(ii)	BSNL: IC/MBI/PTCC/MRA-2486	03.03.2022
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संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्ताव की जांच की गई है। बीएसएनएल के टेलिकॉम केबलों पर निम्न आवृत्ति प्रेरण गणना उपरोक्त संदर्भ (ii) में दिए गए विवरणों के संबंध में की गई है। सिंगल लाइन टू ग्राउंड फाल्ट अवस्था में समानांतर बीएसएनएल के टेलिकॉम केबलों पर प्रेरित वोल्टेज अनुलग्नक -I में संलग्न है। स्क्रीनिंग कारक का मान यथानुरूप लिया गया है। मध्य रेल ने उपरोक्त संदर्भ (iii) के द्वारा अनापत्ति प्रमाण पत्र जारी किया है। रक्षा प्राधिकरण ने उपरोक्त संदर्भ (iv) के द्वारा अनापत्ति प्रमाण पत्र जारी किया है। (अनुलग्नक- II में संलग्न)।

उपरोक्त को ध्यान में रखते हुए, पीटीसीसी मार्ग अनुमोदन जारी करने के संबंध में आवश्यक कार्रवाई की जाए।

संलग्न: उपरोक्त अनुसार

सचिव प्रभाग वि. ए.
निदेशक
13.04.22

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.	
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

C&A Core No: MRA-1177

SR: 500 J-011

Annex-I

Sr. No	Zone	AREA MANAGER	Exch/RSU	CABLE TYPE	No. of Cable	Size of CABLE	CABLE LENGTH (Mtr)	LOCATION/ Street	No of Pillars effected
Z-5	AM(BELAPUR)	SHEVA RSU	COPPER(PUP)	1	400	99	SHEVA RSU MDE TO SHEVA PILLAR NO.0301	1	
Z-5	AM(BELAPUR)	SHEVA RSU	COPPER(PUP)	1	400	800	SHEVA PILLAR NO 0301 TO JNPT ADMIN BUILDING	1	
Z-5	AM(BELAPUR)	SHEVA RSU	COPPER(PUP)	1	400	1430	SHEVA PILLAR NO 0301 TO JNPT PUMP HOUSE AMBERWADI	same pillar	
Z-5	AM(BELAPUR)	SHEVA RSU	COPPER(PUP)	1	50	1600	SHEVA RSU MDE TO AIR FORCE SHEVA	NIL	
Z-5	AM(BELAPUR)	JNCH RSU	COPPER(PUP)	1	200	3000	ADMIN BUILDING TO IMMIGRATION OFFICE INSIDE JNPT	same pillar	
Z-5	AM(BELAPUR)	JNCH RSU	COPPER(PUP)	1	800	250	JNCH RSU TO PUB PILLAR NO 0302(primary)	1	
Z-5	AM(BELAPUR)	JNCH RSU	COPPER(PUP)	1	100	2000	PUB PILLAR NO 0302 TO M/S GANESH BENZO	same pillar	
Z-5	AM(BELAPUR)	JNCH RSU	COPPER(PUP)	1	50	2500	PUB PILLAR NO 0302 TO INDIAN OIL	same pillar	
Z-5	AM(BELAPUR)	JNCH RSU	COPPER(PUP)	1	20	60	TRAFFIC CHOWKI CUSTOM TO M/S JMC	same pillar	
Z-5	AM(BELAPUR)	JNCH RSU	COPPER(PUP)	1	20	150	TRAFFIC CHOWKI CUSTOM TO M/S RELIANCE	same pillar	
Z-5	AM(BELAPUR)	JNCH RSU	COPPER(PUP)	1	400	300	JNCH RSU TO SECTOR3 TOWNSHIP PILLAR NO 0404 (PRIMARY)	1	
Z-5	AM(BELAPUR)	JNCH RSU	COPPER(PUP)	2	200	300	JNCH RSU TO SECTOR3 TOWNSHIP PILLAR NO 0404 (PRIMARY)	same pillar	
Z-5	AM(BELAPUR)	JNCH RSU	COPPER(PUP)	2	100	300	JNCH RSU TO SECTOR3 TOWNSHIP PILLAR NO 0404 (PRIMARY)	same pillar	
Z-5	AM(BELAPUR)	JNCH RSU	COPPER(PUP)	1	400	600	JNCH RSU TO SECTOR3 TOWNSHIP PILLAR NO 0404 TO DISF COLONY SECTOR-3	same pillar	
Z-5	AM(BELAPUR)	JNCH RSU	COPPER(PUP)	1	200	900	SECTOR -3 TOWNSHIP PILLAR NO 0404 TO SECTR-3 COMPD WALL	same pillar	
Z-5	AM(BELAPUR)	JNCH RSU	COPPER(PUP)	1	10	1500	SECTR-3 COMPD WALL TO NAHVA SHEVA POLICE STATION	same pillar	
Z-5	AM(BELAPUR)	JNCH RSU	COPPER(PUP)	1	200	700	SECTOR -3 TOWNSHIP PILLAR NO 0404 TO B-33 SECTR-3	same pillar	
Z-5	AM(BELAPUR)	JNCH RSU	COPPER(PUP)	1	100	600	SECTOR -3 TOWNSHIP PILLAR NO 0404 TO B-44 SECTR-3	same pillar	
Z-5	AM(BELAPUR)	JNCH RSU	COPPER(PUP)	1	100	560	SECTOR -3 TOWNSHIP PILLAR NO 0404 TO B-21 SECTR-3	same pillar	

IV less than 480V

Prater

Director General / Asst. Director-II
 संचालक निदेशक / सहायक निदेशक-II
 Ministry of Power
 भारत सरकार / Govt. of India
 New Delhi

Sr. No	Zone	AREA MANAGER	Exch/RSU	CABLE TYPE	No. of Cable	Size of CABLE	CABLE LENGTH (Mtr)	LOCATION/ Switch	No of Pillars effected
Z-5	AM(BELAPUR)	JNTS RDLU	COPPER(PU/F)	1	400	1000	JNTS RDLU TO SECT-2 PILLAR NO 0402 (PRIMARY)	1	
Z-5	AM(BELAPUR)	JNTS RDLU	COPPER(PU/F)	4	100	1000	JNTS RDLU TO SECT-2 PILLAR NO 0402 (PRIMARY)	same pillar	
Z-5	AM(BELAPUR)	JNTS RDLU	COPPER(PU/F)	1	200	300	SECT2 PILLAR 0402 TO JNPT HOSPITAL	same pillar	
Z-5	AM(BELAPUR)	JNTS RDLU	COPPER(PU/F)	1	100	450	SECT2 PILLAR 0402 TO B-68 SECT-2	same pillar	
Z-5	AM(BELAPUR)	JNTS RDLU	COPPER(PU/F)	1	400	1400	JNTS RDLU TO SECT-2 PILLAR NO 0403	1	
Z-5	AM(BELAPUR)	JNTS RDLU	COPPER(PU/F)	2	100	1400	JNTS RDLU TO SECT-2 PILLAR NO 0403	same pillar	
Z-5	AM(BELAPUR)	JNTS RDLU	COPPER(PU/F)	3	50	1400	JNTS RDLU TO SECT-2 PILLAR NO 0403	same pillar	
Z-5	AM(BELAPUR)	JNTS RDLU	COPPER(PU/F)	1	400	450	PILLAR NO 0403 TO SECTOR-2	same pillar	
Z-5	AM(BELAPUR)	JNTS RDLU	COPPER(PU/F)	1	100	800	PILLAR NO 0403 TO ST MARY SCHOOL	same pillar	
Z-5	AM(BELAPUR)	JNTS RDLU	COPPER(PU/F)	1	100	300	PILLAR NO 0403 TO SAGARIKA BLDG	same pillar	
Z-5	AM(BELAPUR)	JNTS RDLU	COPPER(PU/F)	1	100	375	PILLAR NO 0403 TO JNPT TOWNSHIP SHOPPING COMPLEX	same pillar	
Z-5	AM(BELAPUR)	JNTS RDLU	COPPER(PU/F)	1	100	485	PILLAR NO 0403 TO D1-D2, D3-D11	same pillar	
Z-5	AM(BELAPUR)	JNTS RDLU	COPPER(PU/F)	2	200	700	JNTS RDLU TO SECT-1 PILLAR NO 0401	2	
Z-5	AM(BELAPUR)	JNTS RDLU	COPPER(PU/F)	1	400	750	PILLAR NO 0401 TO SECT-1 TOWNSHIP	same pillar	
Z-5	AM(BELAPUR)	JNTS-RDLU	COPPER(PU/F)	1	100	870	PILLAR NO 0401 TO JNPT PRIMARY SCHOOL AREA SECT-1	same pillar	
Z-5	AM(BELAPUR)	JNTS RDLU	COPPER(PU/F)	1	200	460	PILLAR NO 0401 TO BLDG B-5 AREA SECT-1	same pillar	
Z-5	AM(BELAPUR)	JNTS RDLU	COPPER(PU/F)	1	50	750	PILLAR NO 0401 TO BLDG B-93 AREA SECT-1	same pillar	
Z-5	AM(BELAPUR)	JNTS RDLU	COPPER(PU/F)	1	50	300	PILLAR NO 0401 TO BLDG B-73 AREA SECT-1	same pillar	
Z-5	AM(BELAPUR)	CWC CNE	COPPER(PU/F)	1	400	1300	CWC CNE SECTOR-1 D,NODE TO CWC PILLAR 0303	1	

TV less than 430v

Director
 Assistant Director-II
 Regional Director/Ministry of Power
 Government of India
 New Delhi

Sr. No	Zone	AREA MANAGER	Exch/RSU	CABLE TYPE	No. of Cable	Size of CABLE	CABLE LENGTH (Mtr)	LOCATION/ stretch	No of Pillars effected
Z-5		AM(BELAPUR)	CMC CNE	COPPER(PUP)	1	200	1350	CMC PILLAR 0303 TO IMPREX PARK SECTOR-2 D NODE	same pillar
Z-5		AM(BELAPUR)	CMC CNE	COPPER(PUP)	2	100	1400	CMC PILLAR 0303 TO M/S MANIAL PATEL COMPANY AREA SECTO	same pillar
Z-5		AM(BELAPUR)	CMC CNE	COPPER(PUP)	1	100	2600	CMC PILLAR 0303 TO M/S SEA BIRD CO. AREA SECTOR-2	same pillar
Z-5		AM(BELAPUR)	CMC CNE	COPPER(PUP)	1	50	1000	CMC PILLAR 0303 TO M/S PUNIAB CONWARE SECTOR-2	same pillar
Z-5		AM(BELAPUR)	CMC CNE	COPPER(PUP)	1	50	400	CMC PILLAR 0303 TO M/S BEST ROADWAYS SECTOR-2	same pillar
Z-5		AM(BELAPUR)	CMC CNE	COPPER(PUP)	1	50	600	CMC CNE MDF TO CONCOR D NODE	DIRECT CABLE
Z-5		AM(BELAPUR)	CMC CNE	COPPER(PUP)	1	50	800	CMC CNE MDF TO M/S PUNIAB CONWARE D NODE	DIRECT CABLE
Z-5		AM(BELAPUR)	JNTS RDLU/CNE	COPPER(PUP)	1	400	1900	JNTS RDLU/CNE TO NM/MC SEZ/(NAVGHAR) PILLAR 0406	1
Z-5		AM(BELAPUR)	JNTS RDLU/CNE	COPPER(PUP)	1	100	250	NM/MC SEZ/(NAVGHAR) PILLAR 0406 TO NM/MCSEZ COMR COMPLX	same pillar
Z-5		AM(BELAPUR)	JNTS RDLU/CNE	COPPER(PUP)	1	200	940	NM/MC SEZ/(NAVGHAR) PILLAR 0406 TO ANCREZ BLDG SECT 11 D,N	same pillar
Z-5		AM(BELAPUR)	JNTS RDLU/CNE	COPPER(PUP)	1	800	1200	JNTS RDLU/CNE TO M/S FFP PILLAR NO -0405	1
Z-5		AM(BELAPUR)	JNTS RDLU/CNE	COPPER(PUP)	1	400	220	M/S FFP PILLAR NO -0405 TO M/S FFP BLDG SECTOR-11 D,NODE	same pillar
Z-5		AM(BELAPUR)	JNTS RDLU/CNE	COPPER(PUP)	1	200	122	M/S FFP PILLAR NO -0405 TO M/S BITI COMPLX, SECTOR-11 D,N	same pillar
Z-5		AM(BELAPUR)	JNTS RDLU/CNE	COPPER(PUP)	1	400	315	M/S FFP PILLAR NO -0405 TO ANKRAJE BLDG, SECTOR-11 D,NODE	same pillar
Z-5		AM(BELAPUR)	GDL CNE	COPPER(PUP)	1	100	1200	GDL CNE MDF TO BALMER LAWRI D, NODE	DIRECT CABLE
Z-5		AM(BELAPUR)	GDL CNE	COPPER(PUP)	1	100	200	GDL CNE MDF TO M/S GATEWAY DISTRIPARKS CFS, D,NODE	DIRECT CABLE
Z-5		AM(BELAPUR)	GDL CNE	COPPER(PUP)	1	50	3700	GDL CNE MDF TO M/S HIND TERMINAL, BHENDKHAL VILAGE	DIRECT CABLE
Z-5		AM(BELAPUR)	GDL CNE	COPPER(PUP)	1	50	2100	GDL CNE MDF TO CMC DISTRIPARKS CFS, D,NODE	DIRECT CABLE
Z-5		AM(BELAPUR)	MSEB	COPPER(PUP)	1	200	200	MSEB RSU TO PILLAR NO PILLAR NO 501	DIRECT CABLE
Z-5		AM(BELAPUR)	MSEB	COPPER(PUP)	1	100	800	MSEB PILLAR NO 501 TO GTFS	1
Z-5		AM(BELAPUR)	MSEB	COPPER(PUP)	1	100	1500	MSEB PILLAR NO 501 TO BRCL PLANT	SAME PILLAR
Z-5		AM(BELAPUR)	URN	COPPER(PUP)	2	400	700	URBAN EXCH TO ANAD NAGAR PILLAR NO 101	SAME PILLAR

TV less than 480v

श्री अशोक कुमार
 Director-II
 Chief Engineer / C.E.A.
 Power Division, Ministry of Power
 Government of India
 प्लॉट नं० - 129 W D-28/11

Sr. No	Zone	AREA MANAGER	Exch./NSU	CABLE TYPE	No. of Cable	Size of CABLE	CABLE LENGTH (Mtr)	LOCATION/ stretch	No of pillars effected
Z-5	AM(BELAPUR)	URN	COPPER(PUR)	1	400	700	URAN EXCH TO NAMAD NAGR PILLAR NO 102	1	
Z-5	AM(BELAPUR)	URN	COPPER(PUR)	1	800	1000	URAN EXCH TO POLICE STATION PILLAR NO 201	1	
Z-5	AM(BELAPUR)	URN	COPPER(PUR)	1	400	900	URAN EXCH TO JARMARI PILLAR NO 202	1	
Z-5	AM(BELAPUR)	URN	COPPER(PUR)	1	400	1100	URAN EXCH TO NAAYAN APT PILLAR NO 203	1	
Z-5	AM(BELAPUR)	URN	COPPER(PUR)	1	800	1200	URAN EXCH TO APIA BAZAR PILLAR NO 301	1	
Z-5	AM(BELAPUR)	URN	COPPER(PUR)	1	50	1200	URAN EXCH TO MAGAON PILLAR NO 301	1	
Z-5	AM(BELAPUR)	URN	COPPER(PUR)	2	200	1300	URAN EXCH TO MAGAON PILLAR NO 302	1	
Z-5	AM(BELAPUR)	URN	COPPER(PUR)	2	400	1400	URAN EXCH TO MAGAON PILLAR NO 302	1	
Z-5	AM(BELAPUR)	URN	COPPER(PUR)	2	400	1400	URAN EXCH TO KAMITHA ROAD PILLAR NO 303	1	
Z-5	AM(BELAPUR)	URN	COPPER(PUR)	1	400	300	URAN EXCH TO CHARPATHA PILLAR NO 401	1	
Z-5	AM(BELAPUR)	URN	COPPER(PUR)	1	400	4500	URAN EXCH TO KARNUA VILLAGE PILLAR NO 402	1	
Z-5	AM(BELAPUR)	URN	COPPER(PUR)	1	400	1250	URAN EXCH TO ONGC PILLAR NO 403	1	
Z-5	AM(BELAPUR)	URN	COPPER(PUR)	1	400	3500	URAN EXCH TO TIGERGATE PILLAR NO 601	1	
				87	75206				

IV less than 430 V

Prateek
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Tele : 23019746

MRA-1177

Annex-II

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

B/46937/Sigs 7(b)/2381/

20 May 2021

Office of the Superintending Engineer,
Projects Schemes Department
Maharashtra State Electricity Transmission Company 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 URAN-JNPT
(MUSS) S/C LINE FOR PROPOSED 220KV JNPT SEZ S/S,
LENGTH-2.68KM (LILO)**

1. Refer your letter No MSETCL/CO/PS/PTCC/220KV/B-575/No 01592 dt 10 Mar 2021 (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.

ad
(A Rawat)
Lt Col
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

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

A-189
MTC-WT
AB/O
D
25/6
- for information

