

File No.CEA-PS-17-11(12)/21/2022-PCD Division | 288-290



आजादी का
अमृत महोत्सव

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

के.वि.प्रा. केस सं. : GUJ-739
पी.टी.सी.सी. प्रस्ताव 220 kV M/C LILO (both circuit) to 220 kV Kudiyana S/S from existing 220 kV D/C GSEG – Kosamba & Ichchhapore – Kosamba line (4 X 17.42 km)

सन्दर्भ:		
क्रमांक	सन्दर्भ सं.	दिनांक
(i)	GETCO: CE(Project)/EE (Tr.-3)/3268	01.04.2019
(ii)	BSNL: IC/MBI/PTCC/GJ-2776 2778 2838 2845	12.01.2021
(iii)	Western Railway: SG.158/28/12(1107) received through GETCO email dated 25.02.2022	18.10.2019
(iv)	Defense: B/46937/ Sigs 7(b)/1559	28.06.2019

संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्ताव की जांच की गई 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। पश्चिम रेलवे ने उपरोक्त संदर्भ (iii) के द्वारा अवगत कराया है कि सिग्नल एवं दूरसंचार की दृष्टि से प्रस्तावित पावर लाइन को अनुमोदित समझा जाये। 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: ऊपरोक्त अनुसार

21.03.22
निदेशक

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.	GM(S&T)	Western Railway, Office of CSTE, S&T Dept., 5 th Floor, Station Building, Churchgate, Mumbai -- 400020	Annex-II only
3.	Chief Engineer (Project)	GETCO, Sardar Patel Vidyut Bhavan, Race Course, Vadodara - 390007	With an advice to submit separate PTCC proposals for such cases in future

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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. : GUJ-779
PTCC proposal of 220 kV M/C LILO (both circuit) to 220 kV Kudiyana S/S from existing 220 kV D/C GSEG – Kosamba & Ichchhapore – Kosamba line (4 X 17.42 km)

Reference:		
S. No.	Reference No.	Dated
(i)	GETCO: CE(Project)/EE (Tr.-3)/3268	01.04.2019
(ii)	BSNL: IC/MBI/PTCC/GJ-2776 2778 2838 2845	12.01.2021
(iii)	Western Railway: SG.158/28/12(1107) received through GETCO email dated 25.02.2022	18.10.2019
(iv)	Defense: B/46937/ Sigs 7(b)/1559	28.06.2019

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. Vide reference (iii) above, Western Railway have intimated that the proposed line may be treated as approved from S&T point of view. Vide reference (iv) above, 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.

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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.	
2.	GM(S&T)	Western Railway, Office of CSTE, S&T Dept., 5 th Floor, Station Building, Churchgate, Mumbai – 400020	Annex-II only
3.	Chief Engineer (Project)	GETCO, Sardar Patel Vidyut Bhavan, Race Course, Vadodara - 390007	With an advice to submit separate PTCC proposals for such cases in future

Annex-I

CEA office case No: GUS-779		Map Scale: 1 Cm=500 Meters	
DET (PTCO) Office Case No: 776		Route Length: 17.49 Kms	
Railway Office Case No:		Soil Resistivity: 500 Ohm-Cm	
Name of Power Line: 220KV Lko to Kudiyama from 220 KV DK CSE&			
Name of Power Line: Kosamba & Loharpole-Kosamba line		Details from Power Company/Authority	
Telecom Details from BSNL		Length of Parameter in Km	Mutual coupling in Ohms
SI No.	Name of the Telecom Cable/Line	Fault current in Amp	Induced Voltage in Volts
1	Kudiyama Gsch		
1A	to local 200px, 50px2, 20px3		
2A	to local 200px1, 50px2, 20px3		
3A	to Rural 50px1, 20px2		
2	Bamburham Gsch		
1B	to local 100px1, 20px2		
2B	to local 500px1, 50px2, 20px3		
3B	to local 100px1		
3	Pratish Gsch		
1C	to local 500px1, 100px2, 50px3		
2C	to local 500px1, 100px2, 50px3		
3C	to local 400px1, 100px2		

TV less than
436 V

Prateek

प्रतिष्ठ श्रीगणेश/PRATEEK SRIVASTAVA
 सहायक निदेशक-II/Asstt. Director-II
 केन्द्रीय विद्युत प्राधिकरण/C.E.A.
 विद्युत विभाग/Ministry of Power
 भारत सरकार/Govt. of India
 नई दिल्ली/New Delhi

Tele : 23019746

GUVJ-779 Annex-U

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

B/46937/Sigs 7(b)/1559/

22 Jun 2019

Chief Engineer (Project)
Gujarat Energy Transmission Corporation Ltd
Sardar Patel Vidyut Bhawan
Race Course, Vadodara - 390 007

**SUBMISSION OF PROPOSAL FOR HV/EHV TRANSMISSION LINE OF GETCO FOR PTCC
APPROVAL OF 220KV LILO TO KUDIYANA FROM 220KV D/C GSEG KOSAMBA AND
ICHCHHAPORE-KOSAMBA LINE**

1. Ref your letter No CE(Project)/EE(Tr.-3)/3268 dt 01 Apr 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 returned herewith for your further necessary 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.

~~DVP/CD~~

श्री 25.2.15
21.4.2019
10.07.19

