



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

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CEA Case No. : DL-29: /256-258
PTCC proposal for 220 kV D/C 1 X 1200 sq.mm U/G XLPE cable from 400 kV Tughlakabad S/S to 220 kV Masjid Moth S/S: 7.0 km

Reference:		
S. No.	Reference No.	Dated
(i)	DTL :F.DTL/210/Mgr(T)P-IIA1/2021-22/Opr(Proj.)/F-33/155	16.12.2021
(ii)	BSNL:DET/PTCC/ND/DV-10017/ND-235/2021-2022 (MTNL telecom details)	15.02.2022
(iii)	Northern Railway: 342-SIG/1/PTCC/2021-22/01/02	11.01.2022
(iv)	DMRC : DMRC/S&T/Tele/PTCC/MISC/DTL/03	16.02.2022
(v)	Defense: B/46937/ Sigs 7(b)/2739	22.02.2022

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on Block & Telecom circuits of Northern Railway with respect to details furnished vide above reference (iii) has been computed. The voltages likely to be induced on paralleling Block & Telecom circuits of Northern Railway under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors, as applicable, have been considered. BSNL, vide reference (ii), has conveyed that there are no MTNL lines (copper cable and armored OFC) in the route of the proposed power line and has conveyed its NOC. DMRC vide reference (iv) has conveyed NOC for the proposed power line. The Defense Authority have accorded NOC vide above reference (v) for the proposed power line (enclosed at Annexure-II).

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

**Encl.:** As above.

राज्यपाल प्रकाश सिंह  
Director 15-03-22

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL O/o PGM (N), QA & Inspection Circle, D-Tax Building, Eastern Court, Janpath, New Delhi 110001.	
2.	AESTE/UTS	Northern Railway; Head Quarter Office, Baroda House, New Delhi-110001.	Annexure-I only
3.	Manager (T), Proj-IIA1	Delhi Transco Ltd.; R. No. 6, 1 <sup>st</sup> Floor, Block A, Shakti Deep Building, Jhandewalan Extn., New Delhi-110055.	Copy for information



आजादी का  
अमृत महोत्सव

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Power Communication Development Division  
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के.वि.प्रा. केस सं. : DL-29: /258-258
पी.टी.सी.सी. प्रस्ताव 220 kV D/C 1 X 1200 sq.mm U/G XLPE cable from 400 kV Tughlakabad S/S to 220 kV Masjid Moth S/S: 7.0 km

क्रमांक	सन्दर्भ सं.	दिनांक
(i)	DTL :F.DTL/210/Mgr(T)P-IIA1/2021-22/Opr(Proj.)/F-33/155	16.12.2021
(ii)	BSNL:DET/PTCC/ND/DV-10017/ND-235/2021-2022 (MTNL telecom details)	15.02.2022
(iii)	Northern Railway: 342-SIG/1/PTCC/2021-22/01/02	11.01.2022
(iv)	DMRC : DMRC/S&T/Tele/PTCC/MISC/DTL/03	16.02.2022
(v)	Defense: B/46937/ Sigs 7(b)/2739	22.02.2022

संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्ताव की जांच की गई है। उपरोक्त संदर्भ (ii) के माध्यम से प्रस्तुत विवरण के संबंध में उत्तर रेलवे के ब्लॉक और दूरसंचार सर्किट के दूरसंचार केबलों पर एलएफ प्रेरण की गणना की गई है। सिंगल लाइन टू ग्राउंड फॉल्ट की स्थिति के तहत उत्तर रेलवे के ब्लॉक और टेलीकॉम सर्किट पर प्रेरित होने की संभावना वाले वोल्टेज अनुलग्नक -1 में संलग्न हैं। स्क्रीनिंग कारकों पर विचार कर लिया गया है। डीएमआरसी ने संदर्भ (iv) द्वारा प्रस्तावित विद्युत लाइन के लिए अनापति प्रमाण पत्र प्रदान कर दिया है। रक्षा प्राधिकरण ने प्रस्तावित विद्युत लाइन के लिए उपरोक्त संदर्भ (v) के माध्यम से अनापति प्रमाण पत्र प्रदान किया है।

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

**संलग्न:** उपरोक्त अनुसार

राजेश्वर प्रताप सिंह  
निदेशक 15.02.22

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL O/o PGM (N), QA & Inspection Circle, D-Tax Building, Eastern Court, Janpath, New Delhi 110001.	
2.	AESTE/UTS	Northern Railway; Head Quarter Office, Baroda House, New Delhi-110001.	Annexure-I only
3.	Manager (T), Proj-IIA1	Delhi Transco Ltd.; R. No. 6, 1 <sup>st</sup> Floor, Block A, Shakti Deep Building, Jhandewalan Extn., New Delhi-110055.	Copy for information

**ANNEXURE-I**

Case No.: DL-29 Name of the Power line: 220 kV D/C 1 X 1200 sq.mm U/G XLPE cable from 400 kV Tughlakabad S/S to 220 kV Masjid Moth S/S		Map Scale : 1 cm=500 m Total Length : 7.0 km S.R. Value : 5,000 Ω-cm			
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.

Northern Railway Ref. No. : 342-SIG/1/PTCC/2021-22/01/02

Dated: 11.01.2022

**Affected Blocks & Telecom Circuits Details**

Nizamuddin - Palwal section

1	Nizamuddin R/S to Okhla R/S	Out of parallelism	0
2	Okhla R/S to Tughlakabad R/S		0
3	Tughlakabad R/S to Faridabad R/S		0

Nizamuddin – Patel Nagar

1	Nizamuddin R/S to Lajpat Nagar R/S	Out of parallelism	0
2	Lajpat Nagar R/S to Lodi Colony R/S		0
3	Lodi Colony R/S to Sarojini Nagar R/S		0
4	Sarojini Nagar R/S to Safdarjang R/S		0
5	Safdarjang R/s to Delhi Inder Puri R/S		0
6	Delhi Inder Puri to Patel Nagar R/S		0

*Prateek*

प्रतीक श्रीवास्तव/PRATEEK SHRIWASTAVA  
 सहायक निदेशक-II/Asstt. Director-II  
 केन्द्रीय विद्युत प्राधिकरण/C.E.A.  
 विद्युत मंत्रालय/Ministry of Power  
 भारत सरकार/Govt. of India  
 नई दिल्ली/New Delhi

Annex-II

Tele : 23019746

DL-29

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

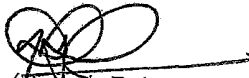
22 Feb 2022

B/46937/Sigs 7(b)/2739/

Manager (P-II)A1  
Delhi Transco Limited  
R.No. 6, A Block, Shakti Deep Building,  
Jhandewalan Extn., New Delhi-110055

**PTCC CLEARANCE FOR 220KV D/C 1X1200SQ.MM U/G XLPE CABLE FROM  
400/200KV TUGHLAKABAD TO 220KV MASJID MOTH SUB STATION**

1. Refer your letter No F.DTL/210/Mgr(T)P-IIA1/2021-22/Opr.(Proj)/F-33/157 dt 16 Dec 2021 (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.

  
(Suresh Pal Choyal)  
Lt Col  
GSO 1 (Coord)  
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

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

102215  
2/23

