



सत्यमेव जयते

भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

केन्द्रीय विद्युत प्राधिकरण

Central Electricity Authority

विद्युतसंचारविकासप्रभाग

Power Communication Development Division

No.: CEA/PCD/PTCC/WB-138/610-612

Date: 05.10.2020

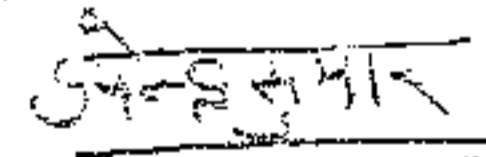
Subject: PTCC proposal of 400 kV D/C Godda TPP - Indo-Bangladesh Border transmission line (West Bengal Portion) -regd.

- Ref:
- Adani Power (Jharkhand) Ltd Ref. No. APJL/PKR/TL/STAT/WB/22 dated 31.08.2019 and email dated 16.09.2020 containing BSNL ckt details
 - BSNL Ref. No. DE/PTCC-ER/EWB 111020192617 dated 06.03.2020
 - Eastern Railway Ref. No. SG.241/1/PTCC/264 dated 25.11.2019
 - Defense Ref. No. B/46937/Sigs 7(b)/1866 dated 26.12.2019

The PTCC proposal submitted vide ref. (i) has been examined. The LF induction on BSNL cables and Eastern Railway telecom circuits, as per details furnished vide ref. (ii) and (iii) respectively, has been examined. The Soil Resistivity value has been taken as 40,000 Ohms-cm. Voltages likely to be induced on paralleling BSNL cables and Eastern Railway telecom circuits under single line to ground fault condition are enclosed at Annex-I and II respectively. The screening factors as applicable have been considered. Defense has accorded NOC vide above ref. (iv) for this line (a copy enclosed at Annex-III).

Taking above into consideration, kindly take necessary action regarding issue of PTCC route approval.

Encl.: As above.


05.10.2020
(Upendra Kumar)
Chief Engineer

MIC

To,
DE (PTCC), Eastern Region,
Inspection & QA Circle, BSNL
Q.A. Bhawan, EP-GP Block, Sector-V,
Salt Lake, Kolkata - 700091

Copy to:

- PCSTE, Eastern Railway, HQ Building, 17, Netaji Subhas Road, Fairlie Place, Kolkata - 700001 - (with Annex-II)
- M/s Adani Power (Jharkhand) Ltd, Adani House, Shantigram, SG Highway, Ahmedabad, Gujarat - 382421

CEA office case No. <i>1002-1001</i>	Map Scale <i>1:50,000</i>
DET (PTCC) office case No.	Route Length <i>2.5 km</i>
Railway office case No.	Soil Resistivity <i>40000 Ω-cm</i>
Name of the Power Line	400KV D/C Godda TPP-Indo-Bangladesh Border Transmission Line (West Bengal portion)

Sr. No.	Name of the Telecom. line/cable	Length of Parallelism in Kms	Mutual Coupling in Ohms	Fault Current in Amps	Induced Voltage in Volts
	DLY Tele Exch. to Dakbangla - 400 pairs (U/G)	}			
	DLY Tele Exch. to Thana - 400 pairs (U/G)				
	DLY Tele Exch. DLY Bazar - 200 pairs (U/G)				
	DLY Tele Exch. to Hindumilan Mandir - 400 pairs (U/G)				
	DLY Tele Exch. to Harisabha - 200 pairs (U/G)				
	DLY Tele Exch. Gajnapur - 100 pairs (U/G)				
	DLY Tele Exch. to Bazar - 100 pairs (U/G)				
	DLY Tele Exch. to Kanchantaia school - 100 pairs (U/G)				
	DLY Tele Exch. to Thakurpara - 100 pairs (U/G)				
	DLY Exch. to Ghoshpara - 100 pairs (U/G)				
	DLY Exch. to Ratanpur - 50 pairs (U/G)				
	NTPC Exch. to Field Hostel - 400 pairs (U/G)				
	NTPC Exch. to Plant - 200 pairs (U/G)				
	NTPC Exch. to Nabarun - 1200 pairs (U/G)				
	NTPC Exch. to TTS - 100 pairs (U/G)				
	FKB Tele Exch. to Project School - 200 pairs (U/G)				
	FKB Tele Exch. to Police Station - 200 pairs (U/G)				
	FKB Tele Exch. to Barrage Bazar - 550 pairs (U/G)				
	FKB Tele Exch. to GM office FKB - 50 pairs (U/G)				
	FKB Tele Exch. to Palasi - 50 pairs (U/G)				
	FKB Tele Exch. to Exch. Cabinet - 200 pairs (U/G)				
	New Farakka Cabinet to FKB Exch. - 200 pairs (U/G)				
	Nayan sukh area				
	- Nayan sukh Telecom. Exch. is not in Operation.				

IV less than 430V

Prateek

Mr. Prateek
 Sr. Engineer
 Deptt. of Telecom.
 Ministry of Railways
 New Delhi

ANNEXURE - II

Case No.: WB-138
 Name of the Power line:
 400 kV D/C Godda TPP – Indo-Bangladesh Border transmission line
 (West Bengal Portion)

Map Scale : 1cm=500mts
 Total Length : 23 km.
 S.R. Value : 40,000 Ohms-cm

S.No	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
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Eastern Railway SG.241/1/PTCC/264 dated 25.11.2019					
1	Tildanga to New Farakka				
2	New Farakka to Chamagram	1.85	0.0006	12000	7
3	Tildanga to Ballarpur	4.45	0.0009	12500	11
4	Ballarpur to Dulianganga	2.9	0.0064	13000	83
5	Gumani to Kotalpukur	4.2	0.0096	13000	125
6	Kotalpukur to Tilbhita	3.3	0.0009	10000	9
7	Tilbhita to Pakur	1.5	0.0031	10000	31
OUT OF PARALLELISM					0

Prateek

श्री. प्रदीप प्रसाद शर्मा
 सहायक प्रमुख, ए.एस.डी. (इंजीनियर-II)
 क्षेत्रीय विद्युत अभियंता / C.E.A.
 विद्युत विभाग / Ministry of Power
 भारत सरकार / Govt. of India
 नई दिल्ली / New Delhi

Directorate General of Signals
Signals I
General Staff Branch
Integrated HQ of (MsD, Army)
DHO PO, New Delhi - 110011


BR/408 ST/Sign 1/5/1995.

Adani Power and Transport Ltd.
Adani House
Shantigram, S G Highway
Ahmedabad 382 421
Gujarat, India

Del. 2019

PTCC PROPOSAL FOR 400KV D/G GODDA TPF-INDO BANGLADESH BORDER
TRANSMISSION LINE-WEST BENGAL PORTION

- 1 Ref your letter No APJL/PKR/TL/STAT/WB/22 dt 31 Aug 2019. (copy att)
- 2 No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheet received under your letter mentioned above
- 3 Documents alongwith map sneets (in original) are returned herewith for your further necessary action


(A Rawat)
Maj
GSO 1 (Comm)
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
Kaiwaria Sara, New Delhi - 110016

Divisional Engineer Telegraph (PTCC)
O/o GM (North), BSNL, QA & Inspection Circle,
CTS Compound, Africa Avenue Road,
Netaji Nagar, New Delhi-110023

for information