



सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
पावर कम्युनिकेशन डवलपमेंट प्रभाग
Power Communication Development Division

No. CEA/PCD/PTCC/ORS-203/1325-27

Date: 19/03/2019

Divisional Engineer Telecom (PTCC),
QA & Inspection (T&D) circle, BSNL,
Q.A. Bhavan, EP-GP Block,
Sector-V, Salt Lake, Kolkatta-700 091

Subject: PTCC Route Approval for 400kV DC T/L from New Duburi S/S to MRSS of M/s Tata Steel Ltd.

Reference:

- i) BSNL letter no. TD/PTCC/BN-7505 (Misc.)/16-17/1 dated 30/4/16
- ii) Defense letter no. B/46937/Sig 7(b)/203 dated 26/10/16

Sir,

Vide above cited reference(i) from SDE(PTCC), Bhubaneswar has intimated that there is no BSNL alignments, circuits, installation etc within 8kms of both sides of the above power line. The information of telecom circuits of East Coast Railway has been extracted from topomap. The average soil resistivity value has been taken as 5000 Ohms-cm, as per data submitted by Power Authority. Voltages likely to be induced on paralleling East Coast Railway telecommunication circuits under SLG (Single Line to Ground) fault condition are enclosed at Annex-I. The screening factors as applicable have been considered. Vide ref. (ii) above, Defense Authority have issued No Objection Certificate (NOC), a copy is enclosed at Annex-II.

Taking above into consideration, kindly issue PTCC Route Approval.

Encl: As above

Yours faithfully,


(Naresh Bhandari)
Chief Engineer

Copy to:

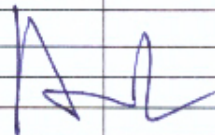
- (i) CSTE, East Coast Railway, East Coast Railway Sadan, Samanta Vihar, Bhubaneswar – 751017 (with Annexure I only)
- (ii) Sr. GM (Construction Zone-I), OPTCL, Technical Building (Ground & 1st Floor), Bhoi Nagar, Bhubaneswar – 751 022 (ODISHA)

MC

ANNEXURE - I

Case No.: ORS-203 Name of Power line: 400kV DC T/L from New Duburi S/S to MRSS of M/s Tata Steel Ltd.			Map Scale : 1cm=500mts Total Length : 5.838 Km S.R. Value : 5000 Ohm-cm		
S. No.	Telecom Details	Length of Parallelism (KM)	Mutual Coupling (Ohm)	Effective Fault Current (Amp)	Induced Voltage (Volt)

East Coast Railway					
	Sukinda Road-Jakhpura	2	0.00014	15000	2



नरेश भंडारी/NARESH BHANDARI
 मुख्य अभियन्ता/Chief Engineer
 केन्द्रीय विद्युत प्राधिकरण/C.E.A.
 विद्युत मंत्रालय/Ministry of Power
 भारत सरकार/Govt. of India
 नई दिल्ली/New Delhi-66

Note:
The above information has been extracted from Topomap

Tele : 23019746

BDP
05/11/16Directorate General of Signals
Signals 7
General Staff Branch
Integrated HQ of MoD (Army)
DHQ PO, New Delhi - 110011

B/46937/Sigs 7(b)/203

26 Oct 2016

✓ Sr General Manager, (c) Zone-1
Odisha Power Transmission Corporation Ltd
Technical Building, Bhoi Nagar
Bhubaneswar - 751022**PTCC ROUTE CLEARANCE FOR 220KV DC TRANSMISSION LINE FROM
400/220KV GRLID S/S NEW DUBURI TO THE MRSS OF M/S TATA STEEL LTD**

1. Ref your letter No Sr GM(TP&C)/PTCC/PURI/2013-14/01/2118 dated 08 Jul 2016.
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.

Bikhan
(BS Kunwar)
Lt Col
GSO 1 (Comn)
for SO-in-C**Enclosures** : (As above)The Director (PTCC), CEA
PCDD, NRPC Complex
18-A, Shaheed Jeet Singh Marg
Katawaria Sarai, New Delhi - 110016

for information please