



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/AND-687/ 309-11

Date: 18/03/2019

Divisional Engineer Telecom (PTCC),
QA & Inspection (T&D) circle, BSNL,
1st Floor, Raj Bhawan Tel. Exchange,
No.26, Sardar Patel Road,
Guindy, Chennai-32

Subject: PTCC Route Approval for 220kV D/C Garividi (Maradam) – Pydibhimavaram (Santham) T/L

Reference:

- i) BSNL letter no. SR-PTCC/SAP-2186/9 dated 27/11/18
- ii) East Coast Railway letter no. ECoR/S&T/BBS/Tele/PTCC/57/Part-II/1075 dated 9/10/18
- iii) Defense letter no. B/46937/Sig 7(b)/1238 dated 20/9/18

Sir,

The low frequency induction on BSNL and Central Railway telecommunication circuits as per details furnished vide above cited references (i) and (ii) respectively has been examined. The average soil resistivity value has been taken as 100000 Ohms-cm, as per data submitted by Power Authority. Voltages likely to be induced on paralleling BSNL and Southern Railway telecommunication circuits under SLG (Single Line to Ground) fault condition are enclosed at Annex-I & II respectively. The screening factors as applicable have been considered. Vide ref. (iii) above, Defense Authority have issued No Objection Certificate (NOC), a copy is enclosed at Annex-III.

Taking above into consideration, kindly issue PTCC Route Approval.

Encl: As above

Yours faithfully,


(Naresh Bhandari) 18/3
Chief Engineer

Copy to:

- (i) SSTE, Office of Principal CS&TE, East Coast Railway, Headquarters Office, Ground Floor, north Block, Rail Sadan, Bhubaneswar - 17 (with Annexure II only)
- (ii) Chief Engineer (Construction), APTRANSCO, Vidyut Soudha, Vijajawada-520 004



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Power Communication Development Division

No. CEA/PCD/PTCC/AND-687/ 309-311

Date: 18/03/2019

Divisional Engineer Telecom (PTCC),
QA & Inspection (T&D) circle, BSNL,
3rd Floor, 'D' Wing,
Admin Building, BSNL Complex,
Santacruz (W), Mumbai - 400 054

Subject: PTCC Route Approval for 220kV D/C Garividi (Maradam) – Pydibhimavaram (Sancham) T/L

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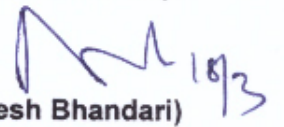
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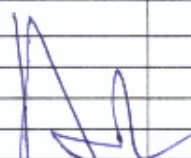
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ANNEXURE - II

Case No.: AND-687 Name of Power line: 220kV D/C Garividi (Maradam) – Pydibhimavaram (Santham) T/L		Map Scale : 1cm=500mts Total Length : 46.6 Km S.R. Value : 100,000 Ohm-cm			
S. No.	Telecom Details	Length of Parallelism (KM)	Mutual Coupling (Ohm)	Effective Fault Current (Amp)	Induced Voltage (Volt)

East Coast Railway Ref. No. ECoR/S&T/BBS/Tele/PTCC/57/Part-II/1075 dated 9/10/18					
1	Nellimarla(NLM)-Garividi(GVI)	1.0	0.009	7224	65


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

AND-687 ANNEX-III

Tele : 23019746

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

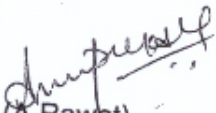
B/46937/Sigs 7(b)/1238/

20 Sep 2018

Chief Engineer (Construction)
Transmission Corporation of Andhra Pradesh Ltd
Vidyut Soudha
Vijayawada - 520004

**ERECTION OF 220 KV DC LINE FROM 400/220 KV SS GARIVIDI (MARADAM) TO
THE PROPOSED 220/132KV SS PYDIBHIMAVARAM (SANCHAM) IN
SRIKAKULAM DISTRICT-PTCC PROPOSALS-FORWARDED-REGARDING**

1. Ref your letter No Lr. No. CE/Const/CPT230/SE/PM/F.220KVSSPBVaram/
D.No.542/2018 dt 03 Aug 2018.
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.