

Government of India विद्युत मंत्रालय Ministry of Power केन्द्रीय विदयुत प्राधिकरण Central Electricity Authority पावर कम्युनिकेशन डवलप्मेंट प्रभाग Power Communication Development Division

No. CEA/PCD/PTCC/AND-687/ 3 109-11

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

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

Reference:

BSNL letter no. SR-PTCC/SAP-2186/9 dated 27/11/18

East Coast Railway letter no. ECoR/S&T/BBS/Tele/PTCC/57/Part-II/1075 dated 9/10/18 ii)

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) Chief Engineer

Copy to:

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



भारत सरकार Government of India विद्युत मंत्रालय Ministry of Power केन्द्रीय विद्युत ग्राधिकरण Central Electricity Authority पावर कम्युनिकेशन डवलप्मेंट ग्रभाग Power Communication Development Division

No. CEA/PCD/PTCC/AND-687/ 309-31)

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

<u>Subject:</u> PTCC Route Approval for 220kV D/C Garividi (Maradam) - Pydibhimavaram (Sancham) T/L

Reference:

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(ii) Chief Engineer (Construction), APTRANSCO, Vidyut Soudha, Vijajawada-520 004

CEA Care No. AND-687

Sca	se No.SRPTCC/SAP/2186 sle: 1:50000	SSA : Srik	akulam			
Na	me of Power line:					
. 14	me of Power line: :- 220 KV DC Line from 220/132 KV SS Pydib	m 400/220 KV (SS Garividi	(Maradam) to ti	he proposed	
F	comments . 220/132 KV SS Pydib	himavaram (Sa	ncham) in	Srikakulam Diet	ne proposed	
en	gth: 46.6 KMs		,			
.011	901. 40.0 NIVIS				Type of	C-LI- DUE
VA	rage SR value : 100 000 ~				1 ype of	Cable: PIJF
	rage SR value: 100,000 of	unv-cm-				
lo	Name of telecom line	LOP in KMs	1101			
		LOP IN KIMS	MC in Ohms	FC in Amps	IV in Volts	Safe Separation
	Pydibheemavaram Exchange					Distance
	Exchange to Varisam	-				
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	Exchange to Sarugudipeta		7		· n	
	Exchange to wards HighWay (VSP)	- 11	1 1000	Ha is	2011	
	Exchange to Mukkupolavalasa	-Ont	3/3	ohn 4	50 V -	
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+			-	न्द्रीय विद्युत प्राधिक	Engineer	
+			বি	पुत मेंबालय/Ministr	CV of Power	
+				गरत सरकार/Gov	t. of India	
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ANNEXURE - II

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Name of 220kV	o.: AND-687 of Power line: D/C Garividi (Maradam) – Pydi am) T/L	line: Barividi (Maradam) - Pydibhimavaram 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)		

1	Ref. No. ECoR/S&T/BBS/Tele/PTCC/57/Part-II/1075 dated 9/10/18							
	Nellimarla(NLM)-Garividi(GVI)	1.0	0.009	7224	65			
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		नरश भडारा NARESH EHANDARI मुख्य अभियन्ता / Chief Engineer						
		- विद्यु विद्यु	वाय विद्युत प्रााधकरण व गंघालय/Ministry	of Power				
		नरेश गंडारी NARESH BHANDARI मुख्य अभियन्ता/Chief Engineer केन्द्रीय विद्युत प्राधिकरण/C.E.A. विद्युत गंगालय/Ministry of Power भारत सरकार/Govt. of India नई दिस्सी/New Delni-66						
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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

- 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 :-

Frie Director (PTCC), CEA
Power Communication Development Division
NRPC Complex, 18-A Shaheed Jeet Singh Marg
Katwaria Sarai, New Delhi – 110016

for information.