



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

CEA Case No.: GUP-806
PTCC proposal of 220 kV S/C line on D/C tower from M/s Avvada Solar Plant (ASPEL) located at village Talsana Ta Limbdi Dist. Surendranagar to 400 kV Choraniya S/S of GETCO (25.350 km)

Reference:		
S. No.	Reference No.	Dated
(i)	GETCO: CE(Project)/SE(Planning)/5319	16.12.2020
(ii)	BSNL: IC/MBI/PTCC/GJ-2850	25.01.2021
(iii)	Western Railway: SG 158/28/12/1143	02.02.2021
(iv)	Defense: B/46937/Sigs 7(b)/2269	10.02.2021

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on telecom lines of BSNL and block & telecom circuits of Western Railway with respect to details furnished vide above reference (ii) and (iii) respectively has been computed. The voltages likely to be induced on paralleling telecom lines of BSNL and block & telecom circuits of Western Railway under Single Line to Ground fault condition are enclosed at Annexure-I and Annexure-II respectively. The screening factors, as applicable, have been considered. The Defense Authority have accorded NOC vide above reference (iv) for the proposed power line (a copy enclosed as Annexure-III).

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

Encl.: As above.

Signature Not Verified
Digitally signed by RAGHYENDRA PRATAP SINGH
Date: 2021.12.08 17:13:05 IST

Director

To,			
1.	Divisional Engineer (PTCC), Western Zone	Bharat Sanchar Nigam Limited (BSNL), 1 st Floor, D-Wing, BSNL Admin Building, Juhu Tara Road, Santacruz (West), Mumbai-400054	
2.	Dy. CSTE/CO/CCG	Western Railway, Office of PCSTE, S&T Dept., 5 th Floor, Station Building, Churchgate, Mumbai - 400020	Annex-II only
3.	Chief Engineer (Project)	GETCO, Sardar Patel Vidyut Bhavan, Race Course, Vadodara - 390007	Copy for information

Case No.: GUJ-806

ANNEXURE - II

Name of the Power Line: 220 kV S/C line on D/C tower from M/s Avvada Solar Plant (ASPEL) located at village Talsana Ta Limbdi Dist. Surendranagar to 400 kV Choraniya S/S of GETCO

Map Scale : 1 cm = 500 m.
Route Length : 25.350 km
Soil Resistivity : 3,000 Ohm-cm

S.No.	Telecom Details	Length of Parallelism (in km)	Mutual Coupling (Ohms)	Fault Current (Amps)	Induced Voltage (Volts)
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WESTERN RAILWAY

Ref. No: SG 158/28/12/1143 dated 02.02.2021

Affected Blocks & Telecom Circuits Details

S.No.	Telecom Details	Length of Parallelism (in km)	Mutual Coupling (Ohms)	Fault Current (Amps)	Induced Voltage (Volts)
1	Wadhwan City - Limbdi				
2	Limbdi - Chuda				
OUTSIDE IV CONSIDERATION ZONE					0
					0

[Handwritten signature]

સાચી સંસ્કૃતિ અને શિક્ષણ
સાથે જીવનને સુધારવાનો પ્રયત્ન
આપણે કરવો જોઈએ.
સુચી સંસ્કૃતિ અને શિક્ષણ
સાથે જીવનને સુધારવાનો પ્રયત્ન
આપણે કરવો જોઈએ.

Tele : 23019746

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


B/46937/Sigs 7(b)/2269/

Feb 2021

Chief Engineer (Project)
Gujarat Energy Transmission Corporation Ltd
Sardar Patel Vidyut Bhawan
Race Course, Vadodara - 390 007

SUBMISSION OF PROPOSAL FOR HV/EHV TRANSMISSION LINE OF GETCO
FOR PTCC APPROVAL OF 220KV S/G LINE FOR EVACUATION OF 3000MW
SOLAR POWER GENERATION FROM M/S AVVADA SOLAR PLANT (ASPEL)
LOCATED AT VILLAGE TALSANA TA. LIMBDI DIST. SURENDRANAGAR TO
400KV CHORANIYA S/S OF GETCO (LENGTH 25.350KVM)

1. Refer your letter No CE(Project)/SE(Planning)/5319 dt 16 Dec 2020 (copy att).
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

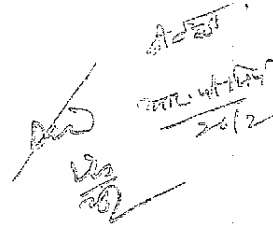
Copy to :-

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

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

for information




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