



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.: GUJ-812

PTCC proposal of 220 kV M/C & S/C (on D/C tower) overhead transmission line from 220 kV PSS (SESPL) at village Morjar to 765/400/220 kV Bhuj-II PS (PGCIL) at Koda Jadodar (22 km)

Reference:

| S. No. | Reference No. | Dated |
|--------|---|------------|
| (i) | M/s Srijan Energy Systems Pvt Ltd: SESPL/PTCC/001 | 08.07.2021 |
| (ii) | BSNL: IC/MBI/PTCC/WGJ011020212857 | 22.10.2021 |
| (iii) | Western Railway: SG 158/28/12/1157 | 04.10.2021 |
| (iv) | Defense: B/46937/Sigs 7(b)/2484 | 18.10.2021 |

The PTCC proposal submitted vide reference (i) has been examined. The low frequency induction on telecom cables of BSNL as per details furnished vide reference (ii) has been examined. Voltages likely to be induced on paralleling telecom cables of BSNL under single line to ground fault condition are enclosed at Annexure-I. The screening factors as applicable have been considered. Vide ref. (iii) above, Western Railway has intimated that Western Railway lines are out of 8 km area of proposed power line and has conveyed its clearance from S&T point of view. Vide ref. (iv) above, Defense have conveyed No Objection Certificate (enclosed as Annexure-II).

Taking above into consideration, take necessary action for issuance of PTCC route approval.

Encl.: As above.

Signature Not Verified

Digitally signed by RAGHUVENDRA PRATAP SINGH
Date: 2021.11.05 17:33:58 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. | M/s Srijan Energy Systems Pvt Ltd | 402 & 404, Delphi, C Wing, Hiranandani Business Park, Orchard Avenue, Powai, Mumbai - 400076 | Copy for information |

Mlc

CEA office case No: GUJ-802 Map Scale: 1 Cm=500 Meters
 DET (PTCC) Office Case No: WGJ011020212857 (2857) Route Length: 22.00 Kms
 Railway Office Case No: Soil Resistivity: 1500 Ohm-Cm
 Name of Power Line: 220KV M/C & S/C Line (On DC Tower) from 220 KV PSS (SESPL) at Village Morjar to 765/400/220 KV Bhuj-2 PS (PGCIL) at Kotda Jadodar.

| Telecom Details from BSNL | | Details from Power Company/Authority | | | |
|---------------------------|---|--------------------------------------|-------------------------|----------------------|--------------------------|
| Sl No. | Name of the Telecom Cable/Line | Length of Parameter in Km | Mutual coupling in Ohms | Fault current in Amp | Induced Voltage in Volts |
| 1 | Kotda Jadodar Exch | } IV less than 480V | | | |
| 1A | " to Local 100P x 1, 50P x 1 | | | | |
| 2A | " to Local 100P x 1, 50P x 2 | | | | |
| 3A | " to Local 100P x 1, 50P x 1, 20P x 2 | | | | |
| 2 | Kadiya Mota Exch | | | | |
| 1B | " to Kadiya Nana 100P x 1 | | | | |
| 2B | " to Todiya 50P x 1 | | | | |
| 3 | Khombhadi Mota Exchange | | | | |
| 1C | " to Local 100P x 1, 20P x 4 | | | | |
| 2C | " to Khombhadi Nani 20P x 1 | | | | |
| 4 | Rawapar Exchange | | | | |
| 1D | " to Local 800P x 1, 200P x 1, 100P x 2 | | | | |
| 2D | " to Local 200P x 1, 100P x 1, 50P x 2 | | | | |
| 5 | Netra Exchange | | | | |
| 1E | " to Local 800P x 1, 200P x 1, 100P x 2 | | | | |
| 2E | " to Local 200P x 1, 100P x 2, 50P x 2 | | | | |
| 6 | <u>Chhadani - Mobile BTS site</u> | | | | |
| 7 | <u>Rampal - Mobile BTS site</u> | | | | |
| 8 | <u>Vigadi - Mobile BTS site</u> | | | | |
| 9 | <u>Ugedi - Mobile BTS site</u> | | | | |

Prateek

प्रदीप श्रीवास्तव / PRATEEK SRIVASTAVA
 सहायक निदेशक-II / Asst. Director-II
 क्षेत्रीय विद्युत प्राधिकरण, C.E.A.
 बिजुल मंत्रालय / Ministry of Power
 नई दिल्ली / New Delhi

Tele : 23019746

Annex - II

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

B/46937/Sigs 7(b)/2484/

18 Oct 2021

✓ Srijan Energy Systems Private Limited
Office No. 1, Gandhi Colony, Jaora
Rattlam-457 226, Madhya Pradesh, India

PTCC APPROVAL OF 220KV M/C & S/C LINE (ON D/C TOWER) FROM
220KV PSS (SESPL) AT VILLAGE: MORJAR TO 765/400/220KV BHUJ-2
PS (PGCIL) AT KOTDA JADODAR

1. Refer your letter No SESPL/PTCC/001 dt 08 Jul 2021 (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided as per Map sheet received under your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.



(A Rawat)
Lt Col.
GSO 1 (Comn)
for SO-in-C

Enclosures : As above

Copy to :-

The Director (PTCC), CEA
Power Communication Development Division
NAPC 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