



सत्यमेव जयते

भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

केन्द्रीय विद्युत प्राधिकरण

Central Electricity Authority

विद्युत संचार विकास प्रभाग

Power Communication Development Division



No.: CEA/PCD/PTCC/RAJ-624/304-06

Date: 17.07.2020


Subject: PTCC proposal of 220 kV D/C Urgaas- Noore Ka Burj transmission line- Part of 220 kV ESUCRL Solar Park 765/400/220 kV Bhadla Pooling Station-regd.

Ref: (i) ESUCRL Ref. No. ESUCRL/SITE/PTCC/01 Dated: 04.04.2019
(ii) BSNL Ref. No. DET/PTCC/ND/DV-9530/Raj-1234/2019-2020 Dated: 10.02.2020
(iii) North Western Railway Ref. No.SG/158/NWR/PTCC/733 Dated: 08.05.2019
(iv) Defense Ref. No. B/46937/Sigs 7(b)/1546 Dated: 03.07.2019

The PTCC proposal submitted vide ref. (i) has been examined. BSNL vide ref. (ii) above has intimated that there are no U/G copper cable and no armoured OFC within 8 km of the proposed power line. Hence, BSNL accorded NOC for thier lines. The low frequency induction on block circuits of North Western Railways as per details furnished vide ref. (iii) has been examined. The Soil Resistivity value has been taken as 5,000 Ohms-cm. Voltages likely to be induced on paralleling Railway block circuits under single line to ground fault condition are enclosed at Annex-I. The screening factors as applicable have been considered. Defense has accorded NOC vide ref. (iv) above for this line (a copy enclosed at Annex-II).

Taking above into consideration, kindly take necessary action regarding issue of PTCC route approval.

Encl.: As above.


(Upendra Kumar) 17.07.2020
Chief Engineer

To,
The Divisional Engineer (Telecom), BSNL
PTCC O/o GM (North), Inspection Circle (T & D),
CTS Compound, Netaji Nagar,
Africa Avenue, New Delhi – 110023.

O/C

Copy to:-

1. Dy. CSTE/Tele, North Western Railway, HQ Office, Room No. 136, 1st Floor, Near Jawahar Circle, Jaipur-302017. (Annex-I only)
2. Essel Saurya Urja Company of Rajasthan Ltd., F-2, 1st Floor, Jagdamba Tower, Amarapali Circle, Vaishali nagar, Jaipur-302021.

ANNEXURE -I

CEA Case No.: RAJ-624					
Name of the Power line: 220 kV D/C Urgaas- Noore Ka Burj transmission line- Part of 220 kV ESUCRL Solar Park 765/400/220 kV Bhadla Pooling Station.		Map Scale : 1 cm=500 mts Total Length : 54.269 km Soil Resistivity : 5,000 ohm-cm			
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.

North Western Railway letter no:- SG/158/NWR/PTCC/733 dated 08.05.2019					
S.No.	<u>Affected Blocks & Telecom Circuits Details</u>				
1.	Ramdevra to Marwar Khara	1.6	0.0006	6945	04



Tele : 23019746

(Annex-II)

RAJ 624

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


B/46937/Sigs 7(b)/1546/

23 Jul 2019

Essei Saurya Urja Company of Rajasthan Limited
Office No. F2, 1st Floor, Jagdamba Tower
Amarapali Circle, Vaishali Nagar,
Jaipur-302021, Rajasthan

**220KV D/C URGASS-NOORE KA BURJ TRANSMISSION LINE (54.269KM) PART OF 220KV
D/C ESUCRL SOLAR POWER PARK 765/400/220KV BHADLA POOLING STATION
TRANSMISSION LINE**

1. Ref your letter No ESUCRL/SITE/PTCC/01 dt 04 Apr 2019. (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided vide 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)
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.