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आजादी का
अमृत महोत्सव

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

पी.टी.सी.सी. प्रस्ताव 220 kV S/C and D/C transmission lines of RSDCL constructed for development of 925 MW Solar Park at Nokh, Tehsil-Pokran, District-Jaisalmer.		
क्र. सं.	के.वि.प्रा. केस सं.	ट्रांसमिशन लाइन का नाम
1.	RAJ-689	220 kV D/C transmission line from PGCIL 765 KV GSS Bhadla-II to Park Pooling Station-1(PPS) {using Left Circuit}: 28.725 km
2.	RAJ-690	220 kV D/C transmission line from PGCIL 765 KV GSS Bhadla-II to Park Pooling Station-2(PPS) {using Right Circuit}: 31.711 km
3.	RAJ-691	220 kV D/C transmission line from PGCIL 765 KV GSS Bhadla-II to Park Pooling Station-3(PPS) {using Left Circuit}: 31.023 km
4.	RAJ-692	220 kV D/C transmission line from PGCIL 765 KV GSS Bhadla-II to Park Pooling Station-4(PPS) {using Right Circuit}: 29.49 km
5.	RAJ-693	220 kV D/C transmission line from PPS-1 to PPS-2{using Left Circuit}: 4.062 km
6.	RAJ-694	220 kV D/C transmission line from PPS-3 to PPS-4{using Left Circuit}: 1.663 km
7.	RAJ-695	220 kV S/C transmission line from PPS-2 to PPS-3{using Left Circuit}: 2.296 km

सन्दर्भ:		
क्रमांक	सन्दर्भ सं.	दिनांक
(i)	RSDCL:F.2(i)RSDCL/Solar Park/Nokh/Tr. Lines/PTCC/D218	25.10.2021
(ii)	BSNL: DET/PTCC/ND/DV-10000-10006/Raj-1344-1350/2021-2022	15.12.2021
(iii)	North Western Railway: SG/158/NWR/PTCC/852	08.11.2021
(iv)	Defense: B/46937/ Sigs 7(b)/2644	08.02.2022

संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्तावों की जांच की गई है। बीएसएनएल ने संदर्भ (ii) के माध्यम से सूचित किया है कि प्रस्तावित बिजली लाइनों के मार्ग में कोई बीएसएनएल लाइनें/काँपर केबल और आर्मर्ड ओएफसी नहीं हैं और एनओसी प्रदान की है। उपरोक्त संदर्भ (iii) के तहत दिए गए विवरण के संबंध में उत्तर पश्चिम रेलवे के ब्लॉक और टेलीकॉम सर्किट पर एलएफ इंडकेशन की गणना की गई है। सिंगल लाइन टू ग्राउंड फॉल्ट की स्थिति के तहत उत्तर पश्चिम रेलवे के समानांतर ब्लॉक और टेलीकॉम सर्किट पर प्रेरित होने की संभावना वाले वोल्टेज अनुलम्बनक में संलग्न हैं। स्क्रीनिंग कारकों, जैसा लागू हो, पर विचार कर लिया गया है। रक्षा प्राधिकरण ने प्रस्तावित बिजली लाइनों के लिए उपरोक्त संदर्भ (iv) के माध्यम से अनापत्ति प्रमाण पत्र प्रदान किया है।

उपरोक्त को ध्यान में रखते हुए, पीटीसीसी मार्ग अनुमोदन जारी करने के लिए आवश्यक कार्रवाई की जाए।

संलग्न: उपरोक्त अनुसार

राजेश कुमार सिंह
निदेशक 24.03.22

Contd.

MJC

File No.CEA-PS-17-11(11)/11/2022-PCD Division

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL O/o PGM (N), QA & Inspection Circle, D-Tax Building, Eastern Court, Janpath, New Delhi-110001.	बिना अनुलग्नक
2.	Dy. CSTE/Tele	NWR/Jaipur, Head Quarter Office, Room No. 136, First Floor, Near Jawahar Circle, Jaipur-302017.	अनुलग्नक सहित
3.	General Manager (Solarpark)	Rajasthan SolarPark Development Company Ltd.; E-166, Yudhisthir Marg, C-Scheme, Jaipur-302001.	जानकारी हेतु



भारत सरकार
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Central Electricity Authority
विद्युत संचार विकास प्रभाग
Power Communication Development Division

PTCC proposals for 220 kV S/C and D/C transmission lines of RSDCL constructed for development of 925 MW Solar Park at Nokh, Tehsil-Pokran, District-Jaisalmer.		
S. No.	CEA Case No.	Name of the transmission line
1.	RAJ-689	220 kV D/C transmission line from PGCIL 765 KV GSS Bhadla-II to Park Pooling Station-1(PPS) {using Left Circuit}: 28.725 km
2.	RAJ-690	220 kV D/C transmission line from PGCIL 765 KV GSS Bhadla-II to Park Pooling Station-2(PPS) {using Right Circuit}: 31.711 km
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6.	RAJ-694	220 kV D/C transmission line from PPS-3 to PPS-4 {using Left Circuit}: 1.663 km
7.	RAJ-695	220 kV S/C transmission line from PPS-2 to PPS-3 {using Left Circuit}: 2.296 km

Reference:		
S. No.	Reference No.	Dated
(i)	RSDCL:F.2()RSDCL/Solar Park/Nokh/Tr. Lines/PTCC/D218	25.10.2021
(ii)	BSNL: DET/PTCC/ND/DV-10000-10006/Raj-1344-1350/2021-2022	15.12.2021
(iii)	North Western Railway: SG/158/NWR/PTCC/852	08.11.2021
(iv)	Defense: B/46937/ Sigs 7(b)/2644	08.02.2022

The PTCC proposals submitted vide reference (i) has been examined. BSNL vide reference (ii) has intimated that there are no BSNL lines (copper cable and armored OFC) in the route of the proposed power lines and has conveyed its NOC. The LF induction on Block & Telecom circuits of North Western Railway with respect to details furnished vide above reference (iii) has been computed. The voltages likely to be induced on paralleling Block & Telecom circuits of North Western Railway under Single Line to Ground fault condition are enclosed at Annexure. The screening factors, as applicable, have been considered. The Defense Authority have accorded NOC vide above reference (iv) for the proposed power lines.

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

Raghendra Pratap Singh
Director 3.03.2022

Contd.

File No.CEA-PS-17-11(11)/11/2022-PCD Division


To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL O/o PGM (N), QA & Inspection Circle, D-Tax Building, Eastern Court, Janpath, New Delhi-110001.	Without Annexure
2.	Dy. CSTE/Tele	NWR/Jaipur, Head Quarter Office, Room No. 136, First Floor, Near Jawahar Circle, Jaipur-302017.	With Annexure
3.	General Manager (Solarpark)	Rajasthan SolarPark Development Company Ltd.; E-166, Yudhisthir Marg, C-Scheme, Jaipur-302001.	Copy for information

ANNEXURE

PTCC proposals for 220 kV S/C and D/C transmission lines of RSDCL constructed for development of 925 MW Solar Park at Nokh, Tehsil-Pokran, District-Jaisalmer.		Map Scale : 1 cm=500 m S.R. Value : 25,000 ohm-cm			
Ref.:- North Western Railway : SG/158/NWR/PTCC/850		Dated: 22.10.2021			
CEA Case No.	Name of the transmission line				
RAJ-689	220 kV D/C transmission line from PGCIL 765 KV GSS Bhadla-II to Park Pooling Station-1(PPS) {using Left Circuit}: 28.725 km				
RAJ-690	220 kV D/C transmission line from PGCIL 765 KV GSS Bhadla-II to Park Pooling Station-2(PPS) {using Right Circuit}: 31.711 km				
RAJ-691	220 kV D/C transmission line from PGCIL 765 KV GSS Bhadla-II to Park Pooling Station-3(PPS) {using Left Circuit}: 31.023 km				
RAJ-692	220 kV D/C transmission line from PGCIL 765 KV GSS Bhadla-II to Park Pooling Station-4(PPS) {using Right Circuit}: 29.49 km				
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
<u>Affected Blocks & Telecom Circuits Details</u>					
1	Bap to Sird	Out of Parallelism			00
2	Sird to Nokhra	0.3	0.0001	9500	01

CEA Case No.	Name of the transmission line				
RAJ-693	220 kV D/C transmission line from PPS-1 to PPS-2 {using Left Circuit}: 4.062 km				
RAJ-694	220 kV D/C transmission line from PPS-3 to PPS-4 {using Left Circuit}: 1.663 km				
RAJ-695	220 kV S/C transmission line from PPS-2 to PPS-3 {using Left Circuit}: 2.296 km				
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
<u>Affected Blocks & Telecom Circuits Details</u>					
1	Bap to Sird	Outside IV Consideration Zone			00
2	Sird to Nokhra	Outside IV Consideration Zone			00


 तनुज/TANUJ
 सहायक निदेशक-II/Asstt. Director-II
 केन्द्रीय विद्युत प्राधिकरण/C.E.A.
 विद्युत मंत्रालय/Ministry of Power
 भारत सरकार/Govt. of India
 नई दिल्ली/New Delhi-68

Tele : 23019746

(RAJ-689 to 895)

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

B/46937/Sigs 7(b)/2644

35 Feb 2022

General Manager (Solar Park)
Rajasthan Solarpark Development Company Limited
E-166, Yudhishir Marg, C-Scheme,
Jaipur-302001

PTCC CASE OF 220KV S/C AND D/C TRANSMISSION LINES FOR
DEVELOPMENT OF 925MW SOLAR PARK AT NOKH, TEHSIL-POKRAN,
DISTRICT-JAISALMER

1. Refer your letter No F.2()RSDCL/Solar Park/Nokh/Tr. Lines/PTCC/D 218 dt 25 Oct 2021.
2. No Objection Certificate (NOC) is accorded based on inputs provided as per Map sheet received vide your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.

(Anurag Mishra)
Lt Col
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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15/02/22