सत्यमेव जयते

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

On behalf of
Central Level Power & Telecommunication Co-ordination Committee

No: As assigned **Date:** As assigned

Subject: Certificate of Approval for the Route of Power Line of M/s IB Vogt Solar Seven Private Limited.

Route Approval Certificate for the following listed lines of M/s IB Vogt Solar Seven Private Limited is annexed to this letter:

S. No	Name
1.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed **220/33 KV Pooling Substation** of M/s IB Vogt Solar Seven Private Limited **(SW1-F15) to ICR-02** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 3.638 Kms)**
2.	33 KV Al Cable (3Cx185 Sq.mm) from **ICR-01 to ICR-02** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.531 Kms)**
3.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed **220/33 KV Pooling Substation** of M/s IB Vogt Solar Seven Private Limited **(SW1-F14) to ICR-06** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 2.007 Kms)**
4.	33 KV Al Cable (3Cx185 Sq.mm) from **ICR-05 to ICR-06** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.777 Kms)**
5.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed **220/33 KV Pooling Substation** of M/s IB Vogt Solar Seven Private Limited **(SW1-F14) to ICR-04** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 3.409 Kms)**
6.	33 KV Al Cable (3Cx185 Sq.mm) from **ICR-03 to ICR-04** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.316 Kms)**
7.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed **220/33 KV Pooling Substation** of M/s IB Vogt Solar Seven Private Limited **(SW1-F13) to ICR-10** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 1.271 Kms)**
8.	33 KV Al Cable (3Cx185 Sq.mm) from **ICR-09 to ICR-10** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.589 Kms)**

9.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed **220/33 KV Pooling Substation** of M/s IB Vogt Solar Seven Private Limited **(SW1-F13) to ICR-08** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 2.155 Kms)**
10.	33 KV Al Cable (3Cx185 Sq.mm) from **ICR-07 to ICR-08** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.610 Kms)**
11.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed **220/33 KV Pooling Substation** of M/s IB Vogt Solar Seven Private Limited **(SW1-F12) to ICR-13** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.272 Kms)**
12.	33 KV Al Cable (3Cx185 Sq.mm) from **ICR-16 to ICR-13** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.869 Kms)**
13.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed **220/33 KV Pooling Substation** of M/s IB Vogt Solar Seven Private Limited **(SW1-F12) to ICR-12** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 2.155 Kms)**
14.	33 KV Al Cable (3Cx185 Sq.mm) from **ICR-11 to ICR-12** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 1.125 Kms)**
15.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed **220/33 KV Pooling Substation** of M/s IB Vogt Solar Seven Private Limited **(SW1-F11) to ICR-14** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.290 Kms)**
16.	33 KV Al Cable (3Cx185 Sq.mm) from **ICR-15 to ICR-14** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.245 Kms)**
17.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed **220/33 KV Pooling Substation** of M/s IB Vogt Solar Seven Private Limited **(SW1-F11) to ICR-17** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.765 Kms)**
18.	33 KV Al Cable (3Cx185 Sq.mm) from **ICR-18 to ICR-17** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.396 Kms)**
19.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed **220/33 KV Pooling Substation** of M/s IB Vogt Solar Seven Private Limited **(SW1-F2) to ICR-26** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.362 Kms)**
20.	33 KV Al Cable (3Cx185 Sq.mm) from **ICR-21 to ICR-26** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 1.092 Kms)**
21.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed **220/33 KV Pooling Substation** of M/s IB Vogt Solar Seven Private Limited **(SW1-F2) to ICR-20** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 1.329 Kms)**
22.	33 KV Al Cable (3Cx185 Sq.mm) from **ICR-19 to ICR-20** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.255 Kms)**
23.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed **220/33 KV Pooling Substation** of M/s IB Vogt Solar Seven Private Limited **(SW1-F3) to ICR-25**

	of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.594 Kms)**
24.	33 KV Al Cable (3Cx185 Sq.mm) from **ICR-24 to ICR-25** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.282 Kms)**
25.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed **220/33 KV Pooling Substation** of M/s IB Vogt Solar Seven Private Limited **(SW1-F3) to ICR-22** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.980 Kms)**
26.	33 KV Al Cable (3Cx185 Sq.mm) from **ICR-23 to ICR-22** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.360 Kms)**
27.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed **220/33 KV Pooling Substation** of M/s IB Vogt Solar Seven Private Limited **(SW1-F4) to ICR-27** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.980 Kms)**
28.	33 KV Al Cable (3Cx185 Sq.mm) from **ICR-28 to ICR-27** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.602 Kms)**
29.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed **220/33 KV Pooling Substation** of M/s IB Vogt Solar Seven Private Limited **(SW1-F4) to ICR-29** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 1.691 Kms)**
30.	33 KV Al Cable (3Cx185 Sq.mm) from **ICR-30 to ICR-29** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.252 Kms)**
31.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed **220/33 KV Pooling Substation** of M/s IB Vogt Solar Seven Private Limited **(SW1-F5) to ICR-31** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 2.127 Kms)**
32.	33 KV Al Cable (3Cx185 Sq.mm) from **ICR-32 to ICR-31** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.223 Kms)**
33.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed **220/33 KV Pooling Substation** of M/s IB Vogt Solar Seven Private Limited **(SW1-F5) to ICR-33** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 2.500 Kms)**
34.	33 KV Al Cable (3Cx185 Sq.mm) from **ICR-34 to ICR-33** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.320 Kms)**

35.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed **220/33 KV Pooling Substation** of M/s IB Vogt Solar Seven Private Limited **(SW1-F6) to ICR-36** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 2.764 Kms)**
36.	33 KV Al Cable (3Cx185 Sq.mm) from **ICR-35 to ICR-36** of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer **(Length: 0.539 Kms)**

Digitally signed by
Suman Kumar Maharana
Date: 22-01-2026
14:29:27

Chief Engineer

1.	M/s IB Vogt Solar Seven Private Limited	ReNew Hub, Commercial Block-1, Zone 6, Golf Course Road, DLF City Phase-V, Gurugram – 122 009

CEA Case No.: RAJ-902-ICR-02

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F15) to ICR-02 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 3.638 Kms)** particulars of which are given in Annexure I.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure II.

Annexure I

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F15) to ICR-02 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 3.638 Kms)
(d)	Length of Power line:	3.638 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-II

Annexure II

Name of the Power Line: 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F15) to ICR-02 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 3.638 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-01-ICR-02

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-01 to ICR-02 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.531 Kms)** particulars of which are given in Annexure III.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure IV.

Annexure III

(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx185 Sq.mm) from ICR-01 to ICR-02 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.531 Kms)
(d)	Length of Power line:	0.531 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-IV
(b)	Length of parallelism:	As per Annexure-IV
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-IV

Annexure IV

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-01 to ICR-02 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.531 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-06

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F14) to ICR-06 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 2.007 Kms)** particulars of which are given in Annexure V.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure VI.

Annexure V

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F14) to ICR-06 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 2.007 Kms)
(d)	Length of Power line:	2.007 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-VI
(b)	Length of parallelism:	As per Annexure-VI
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-VI

Annexure VI

Name of the Power Line: 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F14) to ICR-06 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 2.007 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-05-06

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-05 to ICR-06 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.777 Kms)** particulars of which are given in Annexure VII.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure VIII.

Annexure VII

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx185 Sq.mm) from ICR-05 to ICR-06 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.777 Kms)
(d)	Length of Power line:	0.777 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-VIII
(b)	Length of parallelism:	As per Annexure-VIII
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-VIII

Annexure VIII

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-05 to ICR-06 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.777 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-04

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F14) to ICR-04 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 3.409 Kms)** particulars of which are given in Annexure IX.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure X.

Annexure IX

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F14) to ICR-04 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 3.409 Kms)
(d)	Length of Power line:	3.409 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-X
(b)	Length of parallelism:	As per Annexure-X
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-X

Annexure X

Name of the Power Line: 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F14) to ICR-04 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 3.409 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-03-ICR-04

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-03 to ICR-04 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.316 Kms)** particulars of which are given in Annexure XI.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XII.

Annexure XI

(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx185 Sq.mm) from ICR-03 to ICR-04 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.316 Kms)
(d)	Length of Power line:	0.316 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-XII
(b)	Length of parallelism:	As per Annexure-XII
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-XII

Annexure XII

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-03 to ICR-04 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.316 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-10

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F13) to ICR-10 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 1.271 Kms)** particulars of which are given in Annexure XIII.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XIV.

Annexure XIII

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F13) to ICR-10 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 1.271 Kms)
(d)	Length of Power line:	1.271 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-XIV
(b)	Length of parallelism:	As per Annexure-XIV
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-XIV

Annexure XIV

Name of the Power Line: 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F13) to ICR-10 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 1.271 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-09-ICR-10

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-09 to ICR-10 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.589 Kms)** particulars of which are given in Annexure XV.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XVI.

Annexure XV

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx185 Sq.mm) from ICR-09 to ICR-10 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.589 Kms)
(d)	Length of Power line:	0.589 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-XVI
(b)	Length of parallelism:	As per Annexure-XVI
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-XVI

Annexure XVI

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-09 to ICR-10 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.589 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-08

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F13) to ICR-08 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 2.155 Kms)** particulars of which are given in Annexure XVII.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XVIII.

Annexure XVII

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F13) to ICR-08 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 2.155 Kms)
(d)	Length of Power line:	2.155 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-XVIII
(b)	Length of parallelism:	As per Annexure-XVIII
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-XVIII

Annexure XVIII

Name of the Power Line: 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F13) to ICR-08 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 2.155 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-07-08

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-07 to ICR-08 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.610 Kms)** particulars of which are given in Annexure XIX.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XX.

Annexure XIX

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx185 Sq.mm) from ICR-07 to ICR-08 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.610 Kms)
(d)	Length of Power line:	0.610 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-XX
(b)	Length of parallelism:	As per Annexure-XX
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-XX

Annexure XX

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-07 to ICR-08 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.610 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-13

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F12) to ICR-13 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.272 Kms)** particulars of which are given in Annexure XXI.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XXII.

Annexure XXI

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F12) to ICR-13 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.272 Kms)
(d)	Length of Power line:	0.272 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-XXII
(b)	Length of parallelism:	As per Annexure-XXII
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-XXII

Annexure XXII

Name of the Power Line: 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F12) to ICR-13 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.272 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-16-ICR-13

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-16 to ICR-13 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.869 Kms)** particulars of which are given in Annexure XXIII.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XXIV.

Annexure XXIII

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx185 Sq.mm) from ICR-16 to ICR-13 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.869 Kms)
(d)	Length of Power line:	0.869 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-XXIV
(b)	Length of parallelism:	As per Annexure-XXIV
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-XXIV

Annexure XXIV

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-16 to ICR-13 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.869 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-12

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F12) to ICR-12 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 2.155 Kms)** particulars of which are given in Annexure XXV.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.

9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XXVI.

Annexure XXV

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F12) to ICR-12 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 2.155 Kms)
(d)	Length of Power line:	2.155 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-XXVI
(b)	Length of parallelism:	As per Annexure-XXVI
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-XXVI

Annexure XXVI

Name of the Power Line: 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F12) to ICR-12 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 2.155 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-11-ICR-12

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-11 to ICR-12 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 1.125 Kms)** particulars of which are given in Annexure XXVII.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.

9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XXVIII.

Annexure XXVII

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx185 Sq.mm) from ICR-11 to ICR-12 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 1.125 Kms)
(d)	Length of Power line:	1.125 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-XXVIII
(b)	Length of parallelism:	As per Annexure-XXVIII
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-XXVIII

Annexure XXVIII

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-11 to ICR-12 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 1.125 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-14

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F11) to ICR-14 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.290 Kms)** particulars of which are given in Annexure XXIX.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XXX.

Annexure XXIX

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F11) to ICR-14 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.290 Kms)
(d)	Length of Power line:	0.290 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-XXX
(b)	Length of parallelism:	As per Annexure-XXX
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-XXX

Annexure XXX

Name of the Power Line: 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F11) to ICR-14 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.290 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-15-ICR-14

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-15 to ICR-14 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.245 Kms)** particulars of which are given in Annexure XXXI.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.

9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XXXII.

Annexure XXXI

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx185 Sq.mm) from ICR-15 to ICR-14 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.245 Kms)
(d)	Length of Power line:	0.245 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-XXXII
(b)	Length of parallelism:	As per Annexure-XXXII
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-XXXII

Annexure XXXII

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-15 to ICR-14 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.245 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-17

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F11) to ICR-17 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.765 Kms)** particulars of which are given in Annexure XXXIII.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XXXIV.

Annexure XXXIII

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F11) to ICR-17 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.765 Kms)
(d)	Length of Power line:	0.765 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-XXXIV
(b)	Length of parallelism:	As per Annexure-XXXIV
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-XXXIV

Annexure XXXIV

Name of the Power Line: 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F11) to ICR-17 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.765 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-18-ICR-17

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-18 to ICR-17 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.396 Kms)** particulars of which are given in Annexure XXXV.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.

9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XXXVI.

Annexure XXXV

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx185 Sq.mm) from ICR-18 to ICR-17 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.396 Kms)
(d)	Length of Power line:	0.396 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-XXXVI
(b)	Length of parallelism:	As per Annexure-XXXVI
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-XXXVI

Annexure XXXVI

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-18 to ICR-17 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.396 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-26

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F2) to ICR-26 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.362 Kms)** particulars of which are given in Annexure XXXVII.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XXXVIII.

Annexure XXXVII

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F2) to ICR-26 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.362 Kms)
(d)	Length of Power line:	0.362 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure- XXXVIII
(b)	Length of parallelism:	As per Annexure- XXXVIII
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure- XXXVIII

Annexure XXXVIII

Name of the Power Line: 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F2) to ICR-26 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.362 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-21-ICR-26

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-21 to ICR-26 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 1.092 Kms)** particulars of which are given in Annexure XXXIX.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XL.

Annexure XXXIX

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx185 Sq.mm) from ICR-21 to ICR-26 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 1.092 Kms)
(d)	Length of Power line:	1.092 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure- XL
(b)	Length of parallelism:	As per Annexure- XL
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure- XL

Annexure XL

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-21 to ICR-26 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 1.092 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-20

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F2) to ICR-20 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 1.329 Kms)** particulars of which are given in Annexure XLI.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XLII.

Annexure XLI

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F2) to ICR-20 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 1.329 Kms)
(d)	Length of Power line:	1.329 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure- XLII
(b)	Length of parallelism:	As per Annexure- XLII
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure- XLII

Annexure XLII

Name of the Power Line: 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F2) to ICR-20 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 1.329 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-19-ICR-20

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-19 to ICR-20 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.255 Kms)** particulars of which are given in Annexure XLIII.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XLIV.

Annexure XLIII

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx185 Sq.mm) from ICR-19 to ICR-20 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.255 Kms)
(d)	Length of Power line:	0.255 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure- XLIV
(b)	Length of parallelism:	As per Annexure- XLIV
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure- XLIV

Annexure XLIV

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-19 to ICR-20 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.255 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-25

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F3) to ICR-25 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.594 Kms)** particulars of which are given in Annexure XLV.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XLVI.

Annexure XLV

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F3) to ICR-25 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.594 Kms)
(d)	Length of Power line:	0.594 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure- XLVI
(b)	Length of parallelism:	As per Annexure- XLVI
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure- XLVI

Annexure XLVI

Name of the Power Line: 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F3) to ICR-25 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.594 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-24-ICR-25

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-24 to ICR-25 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.282 Kms)** particulars of which are given in Annexure XLVII.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure XLVIII.

Annexure XLVII

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx185 Sq.mm) from ICR-24 to ICR-25 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.282 Kms)
(d)	Length of Power line:	0.282 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure- XLVIII
(b)	Length of parallelism:	As per Annexure- XLVIII
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure- XLVIII

Annexure XLVIII

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-24 to ICR-25 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.282 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-22

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F3) to ICR-22 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.980 Kms)** particulars of which are given in Annexure XLIX.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure L.

Annexure XLIX

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F3) to ICR-22 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.980 Kms)
(d)	Length of Power line:	0.980 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure- L
(b)	Length of parallelism:	As per Annexure- L
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure- L

Annexure L

Name of the Power Line: 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F3) to ICR-22 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.980 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-23-ICR-22

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-23 to ICR-22 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.360 Kms)** particulars of which are given in Annexure LI.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure LII.

Annexure LI

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx185 Sq.mm) from ICR-23 to ICR-22 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.360 Kms)
(d)	Length of Power line:	0.360 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure- LII
(b)	Length of parallelism:	As per Annexure- LII
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure- LII

Annexure LII

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-23 to ICR-22 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.360 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-27

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F4) to ICR-27 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.980 Kms)** particulars of which are given in Annexure LIII.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure LIV.

Annexure LIII

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F4) to ICR-27 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.980 Kms)
(d)	Length of Power line:	0.980 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure- LIV
(b)	Length of parallelism:	As per Annexure- LIV
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure- LIV

Annexure LIV

Name of the Power Line: 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F4) to ICR-27 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.980 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-28-ICR-27

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-28 to ICR-27 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.602 Kms)** particulars of which are given in Annexure LV.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure LVI.

Annexure LV

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx185 Sq.mm) from ICR-28 to ICR-27 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.602 Kms)
(d)	Length of Power line:	0.602 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure- LVI
(b)	Length of parallelism:	As per Annexure- LVI
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure- LVI

Annexure LVI

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-28 to ICR-27 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.602 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-29

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F4) to ICR-29 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 1.691 Kms)** particulars of which are given in Annexure LVII.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure LVIII.

Annexure LVII

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F4) to ICR-29 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 1.691 Kms)
(d)	Length of Power line:	1.691 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure- LVIII
(b)	Length of parallelism:	As per Annexure- LVIII
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure- LVIII

Annexure LVIII

Name of the Power Line: 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F4) to ICR-29 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 1.691 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-29-ICR-30

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-30 to ICR-29 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.252 Kms)** particulars of which are given in Annexure LIX.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure LX.

Annexure LIX

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx185 Sq.mm) from ICR-30 to ICR-29 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.252 Kms)
(d)	Length of Power line:	0.252 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure- LX
(b)	Length of parallelism:	As per Annexure- LX
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure- LX

Annexure LX

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-30 to ICR-29 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.252 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-31

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F5) to ICR-31 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 2.127 Kms)** particulars of which are given in Annexure LXI.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure LXII.

Annexure LXI

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F5) to ICR-31 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 2.127 Kms)
(d)	Length of Power line:	2.127 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure- LXII
(b)	Length of parallelism:	As per Annexure- LXII
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure- LXII

Annexure LXII

Name of the Power Line: 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F5) to ICR-31 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 2.127 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-32-ICR-31

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-32 to ICR-31 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.223 Kms)** particulars of which are given in Annexure LXIII.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure LXIV.

Annexure LXIII

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx185 Sq.mm) from ICR-32 to ICR-31 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.223 Kms)
(d)	Length of Power line:	0.223 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure- LXIV
(b)	Length of parallelism:	As per Annexure- LXIV
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure- LXIV

Annexure LXIV

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-32 to ICR-31 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.223 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-33

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F5) to ICR-33 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 2.500 Kms)** particulars of which are given in Annexure LXV.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure LXVI.

Annexure LXV

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F5) to ICR-33 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 2.500 Kms)
(d)	Length of Power line:	2.500 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure- LXVI
(b)	Length of parallelism:	As per Annexure- LXVI
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure- LXVI

Annexure LXVI

Name of the Power Line: 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F5) to ICR-33 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 2.500 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-34-ICR-33

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-34 to ICR-33 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.320 Kms)** particulars of which are given in Annexure LXVII.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure LXVIII.

Annexure LXVII

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx185 Sq.mm) from ICR-34 to ICR-33 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.320 Kms)
(d)	Length of Power line:	0.320 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure- LXVIII
(b)	Length of parallelism:	As per Annexure- LXVIII
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure- LXVIII

Annexure LXVIII

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-34 to ICR-33 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.320 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-11-ICR-12

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F6) to ICR-36 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 2.764 Kms)** particulars of which are given in Annexure LXIX.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure LXX.

Annexure LXIX

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F6) to ICR-36 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 2.764 Kms)
(d)	Length of Power line:	2.764 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure- LXX
(b)	Length of parallelism:	As per Annexure- LXX
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure- LXX

Annexure LXX

Name of the Power Line: 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited (SW1-F6) to ICR-36 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 2.764 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

CEA Case No.: RAJ-902-ICR-35-ICR-36

Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-35 to ICR-36 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.539 Kms)** particulars of which are given in Annexure LXXI.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure LXXII.

Annexure LXXI

1		
(a)	Name of the Power Supply authority seeking approval	M/s IB Vogt Solar Seven Private Limited
(b)	Reference number & date:	IBVSSPL/CEA/PTCC-01 dated 02.09.2025 E-mail dated 13.10.2025 E-mail dated 29.10.2025 E-mail dated 13.01.2026
(c)	Name of the Power line	33 KV Al Cable (3Cx185 Sq.mm) from ICR-35 to ICR-36 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.539 Kms)
(d)	Length of Power line:	0.539 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure- LXXII
(b)	Length of parallelism:	As per Annexure- LXXII
3	Average value of earth resistivity in the region:	25,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure- LXXII

Annexure LXXII

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-35 to ICR-36 of 300 MW Solar Power Plant of M/s IB Vogt Solar Seven Private Limited at Barmer (Length: 0.539 Kms)

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/41 dated 09.09.2025 has stated Non-existence of any Ug cable and armoured OFC cable within the 5 km periphery of the route. Thus, BSNL letter is taken as deemed NOC..

2. **Railway Telecom Details:**
   GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1213 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5074 dated 30.12.2025 has issued their NOC.

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s IB Vogt Solar Seven Private Limited	63.66	29.5	0.47235	1999	1301	63	25
ICR	13.76	26.3	0.479	389	253	11	4

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.