



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 ReNew Solar (Shakti Three) Private Limited.

Route Approval Certificate for the following listed lines of M/s ReNew Solar (Shakti Three) Private Limited is annexed to this letter:

S. No	Name
1.	33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F4) to ICR-40 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.043 Kms)
2.	33 KV Al Cable (3Cx185 Sq.mm) from ICR-39 to ICR-40 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.391 Kms)
3.	33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F4) to ICR-38 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.113 Kms)
4.	33 KV Al Cable (3Cx185 Sq.mm) from ICR-37 to ICR-38 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.366 Kms)
5.	33 KV Al Cable (3Cx185 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F5) to ICR-42 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.816 Kms)
6.	33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F5) to ICR-36 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.003 Kms)
7.	33 KV Al Cable (3Cx185 Sq.mm) from ICR-35 to ICR-36 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.466 Kms)
8.	33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F5) to

	ICR-34 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.476 Kms)
9.	33 KV Al Cable (3Cx185 Sq.mm) from ICR-33 to ICR-34 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.423 Kms)
10.	33 KV Al Cable (3Cx185 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F6) to ICR-41 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.051 Kms)
11.	33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F6) to ICR-32 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.283 Kms)
12.	33 KV Al Cable (3Cx185 Sq.mm) from ICR-31 to ICR-32 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.434 Kms)
13.	33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F6) to ICR-30 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.943 Kms)
14.	33 KV Al Cable (3Cx185 Sq.mm) from ICR-19 to ICR-30 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.286 Kms)
15.	33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F11) to ICR-26 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.376 Kms)
16.	33 KV Al Cable (3Cx185 Sq.mm) from ICR-25 to ICR-26 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.963 Kms)
17.	33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F11) to ICR-20 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.591 Kms)
18.	33 KV Al Cable (3Cx185 Sq.mm) from ICR-19 to ICR-20 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.428 Kms)
19.	33 KV Al Cable (3Cx185 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F12) to ICR-28 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.026 Kms)
20.	33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F12) to ICR-24 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 3.696 Kms)
21.	33 KV Al Cable (3Cx185 Sq.mm) from ICR-23 to ICR-24 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.270 Kms)
22.	33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F12) to ICR-21 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.916 Kms)

23.	33 KV Al Cable (3Cx185 Sq.mm) from ICR-22 to ICR-21 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.294 Kms)
24.	33 KV Al Cable (3Cx185 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F13) to ICR-27 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.416 Kms)
25.	33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F13) to ICR-18 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.941 Kms)
26.	33 KV Al Cable (3Cx185 Sq.mm) from ICR-17 to ICR-18 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.743 Kms)
27.	33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F13) to ICR-16 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.916 Kms)
28.	33 KV Al Cable (3Cx185 Sq.mm) from ICR-15 to ICR-16 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.853 Kms)
29.	33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F3) to ICR-13 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.586 Kms)
30.	33 KV Al Cable (3Cx185 Sq.mm) from ICR-12 to ICR-13 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.103 Kms)
31.	33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F3) to ICR-10 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.296 Kms)
32.	33 KV Al Cable (3Cx185 Sq.mm) from ICR-11 to ICR-10 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.573 Kms)
33.	33 KV Al Cable (3Cx185 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F4) to ICR-14 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.706 Kms)
34.	33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F4) to ICR-06 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.888 Kms)
35.	33 KV Al Cable (3Cx185 Sq.mm) from ICR-05 to ICR-06 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.501 Kms)
36.	33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F4) to ICR-09 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.648 Kms)
37.	33 KV Al Cable (3Cx185 Sq.mm) from ICR-02 to ICR-09 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.421 Kms)

38.	33 KV Al Cable (3Cx185 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F5) to ICR-08 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.346 Kms)
39.	33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F5) to ICR-07 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.118 Kms)
40.	33 KV Al Cable (3Cx185 Sq.mm) from ICR-03 to ICR-07 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.370 Kms)
41.	33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F5) to ICR-04 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.268 Kms)
42.	33 KV Al Cable (3Cx185 Sq.mm) from ICR-01 to ICR-04 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.386 Kms)

Chief Engineer

1.	M/s ReNew Solar (Shakti Three) Private Limited	ReNew Hub, Commercial Block-1, Zone 6, Golf Course Road, DLF City Phase-V, Gurugram – 122 009
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CEA Case No.: RAJ-894-ICR-40

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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F4) to ICR-40 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.043 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

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|-----|---|---|
| (a) | Name of the Power Supply authority seeking approval | M/s ReNew Solar (Shakti Three) Private Limited |
| (b) | Reference number & date: | RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025 |
| (c) | Name of the Power line | 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F4) to ICR-40 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.043 Kms) |
| (d) | Length of Power line: | 1.043 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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F4) to ICR-40 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.043 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-39-40

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-39 to ICR-40 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.391 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

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|-----|--|---|
| (a) | Name of the Power Supply authority seeking approval | M/s ReNew Solar (Shakti Three) Private Limited |
| (b) | Reference number & date: | RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025 |
| (c) | Name of the Power line | 33 KV Al Cable (3Cx185 Sq.mm) from ICR-39 to ICR-40 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.391 Kms) |
| (d) | Length of Power line: | 0.391 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-39 to ICR-40 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.391 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-38

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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F4) to ICR-38 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.113 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

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|-----|---|---|
| (a) | Name of the Power Supply authority seeking approval | M/s ReNew Solar (Shakti Three) Private Limited |
| (b) | Reference number & date: | RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025 |
| (c) | Name of the Power line | 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F4) to ICR-38 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.113 Kms) |
| (d) | Length of Power line: | 2.113 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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F4) to ICR-38 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.113 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-37-38

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-37 to ICR-38 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.366 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 ReNew Solar (Shakti Three) Private Limited |
| (b) | Reference number & date: | RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025 |
| (c) | Name of the Power line | 33 KV Al Cable (3Cx185 Sq.mm) from ICR-37 to ICR-38 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.366 Kms) |
| (d) | Length of Power line: | 0.366 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-37 to ICR-38 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.366 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-42

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 Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F5) to ICR-42 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.816 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F5) to ICR-42 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.816 Kms)
- (d) Length of Power line: 1.816 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 (3Cx185 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F5) to ICR-42 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.816 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F5) to ICR-36 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.003 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 ReNew Solar (Shakti Three) Private Limited |
| (b) | Reference number & date: | RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025 |
| (c) | Name of the Power line | 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F5) to ICR-36 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.003 Kms) |
| (d) | Length of Power line: | 2.003 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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F5) to ICR-36 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.003 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-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 (3Cx185 Sq.mm) from ICR-35 to ICR-36 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.466 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (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 ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.466 Kms)
- (d) Length of Power line: 0.466 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 (3Cx185 Sq.mm) from ICR-35 to ICR-36 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.466 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-34

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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F5) to ICR-34 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.476 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F5) to ICR-34 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.476 Kms)
- (d) Length of Power line: 1.476 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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F5) to ICR-34 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.476 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-33-34

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-33 to ICR-34 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.423 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-33 to ICR-34 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.423 Kms)
- (d) Length of Power line: 0.423 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 (3Cx185 Sq.mm) from ICR-33 to ICR-34 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.423 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-41

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 Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F6) to ICR-41 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.051 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F6) to ICR-41 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.051 Kms)
- (d) Length of Power line: 2.051 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 Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F6) to ICR-41 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.051 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-32

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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F6) to ICR-32 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.283 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F6) to ICR-32 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.283 Kms)
- (d) Length of Power line: 1.283 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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F6) to ICR-32 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.283 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-31-32

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-31 to ICR-32 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.434 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-31 to ICR-32 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.434 Kms)
- (d) Length of Power line: 0.434 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-31 to ICR-32 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.434 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F6) to ICR-30 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.943 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F6) to ICR-30 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.943 Kms)
- (d) Length of Power line: 1.943 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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F6) to ICR-30 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.943 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-19-30

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-19 to ICR-30 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.286 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-19 to ICR-30 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.286 Kms)
- (d) Length of Power line: 0.286 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-19 to ICR-30 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.286 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F11) to ICR-26 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.376 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F11) to ICR-26 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.376 Kms)
- (d) Length of Power line: 2.376 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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F11) to ICR-26 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.376 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-25-26

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-25 to ICR-26 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.963 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-25 to ICR-26 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.963 Kms)
- (d) Length of Power line: 0.963 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-25 to ICR-26 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.963 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F11) to ICR-20 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.591 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F11) to ICR-20 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.591 Kms)
- (d) Length of Power line: 1.591 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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F11) to ICR-20 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.591 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-19-20

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 ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.428 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (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 ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.428 Kms)
- (d) Length of Power line: 0.428 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-19 to ICR-20 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.428 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-28

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 Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F12) to ICR-28 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.026 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F12) to ICR-28 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.026 Kms)
- (d) Length of Power line: 2.026 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 (3Cx185 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F12) to ICR-28 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.026 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-24

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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F12) to ICR-24 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 3.696 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F12) to ICR-24 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 3.696 Kms)
- (d) Length of Power line: 3.696 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

- (a) Names of parallel telecom lines: As per Annexure- XXXX
- (b) Length of parallelism: As per Annexure- XXXX

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- XXXX

Annexure XL

Name of the Power Line: 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F12) to ICR-24 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 3.696 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-23-24

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-24 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.270 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-23 to ICR-24 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.270 Kms)
- (d) Length of Power line: 0.270 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 (3Cx185 Sq.mm) from ICR-23 to ICR-24 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.270 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-21

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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F12) to ICR-21 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.916 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F12) to ICR-21 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.916 Kms)
- (d) Length of Power line: 2.916 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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F12) to ICR-21 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 2.916 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-22-ICR-21

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-22 to ICR-21 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.294 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-22 to ICR-21 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.294 Kms)
- (d) Length of Power line: 0.294 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 (3Cx185 Sq.mm) from ICR-22 to ICR-21 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.294 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-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 Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F13) to ICR-27 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.416 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F13) to ICR-27 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.416 Kms)
- (d) Length of Power line: 1.416 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 Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F13) to ICR-27 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.416 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-18

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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F13) to ICR-18 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.941 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 ReNew Solar (Shakti Three) Private Limited |
| (b) | Reference number & date: | RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025 |
| (c) | Name of the Power line | 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F13) to ICR-18 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.941 Kms) |
| (d) | Length of Power line: | 0.941 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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F13) to ICR-18 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.941 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-17-ICR-18

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-17 to ICR-18 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.743 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-17 to ICR-18 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.743 Kms)
- (d) Length of Power line: 0.743 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-17 to ICR-18 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.743 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F13) to ICR-16 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.916 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F13) to ICR-16 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.916 Kms)
- (d) Length of Power line: 0.916 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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW3-F13) to ICR-16 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.916 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-15-ICR-16

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-16 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.853 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-15 to ICR-16 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.853 Kms)
- (d) Length of Power line: 0.853 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-15 to ICR-16 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.853 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F3) to ICR-13 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.586 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F3) to ICR-13 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.586 Kms)
- (d) Length of Power line: 0.586 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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F3) to ICR-13 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.586 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-12-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-12 to ICR-13 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.103 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-12 to ICR-13 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.103 Kms)
- (d) Length of Power line: 0.103 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-12 to ICR-13 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.103 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F3) to ICR-10 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.296 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F3) to ICR-10 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.296 Kms)
- (d) Length of Power line: 0.296 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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F3) to ICR-10 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.296 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-11-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-11 to ICR-10 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.573 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-11 to ICR-10 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.573 Kms)
- (d) Length of Power line: 0.573 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-11 to ICR-10 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.573 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-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 Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F4) to ICR-14 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.706 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F4) to ICR-14 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.706 Kms)
- (d) Length of Power line: 1.706 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 (3Cx185 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F4) to ICR-14 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.706 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F4) to ICR-06 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.888 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F4) to ICR-06 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.888 Kms)
- (d) Length of Power line: 0.888 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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F4) to ICR-06 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.888 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-05-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 (3Cx185 Sq.mm) from ICR-05 to ICR-06 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.501 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (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 ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.501 Kms)
- (d) Length of Power line: 0.501 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 (3Cx185 Sq.mm) from ICR-05 to ICR-06 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.501 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-09

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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F4) to ICR-09 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.648 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 ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F4) to ICR-09 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.648 Kms)
- (d) Length of Power line: 0.648 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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F4) to ICR-09 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.648 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-02-ICR-09

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-02 to ICR-09 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.421 Kms)** particulars of which are given in Annexure LXXIII.

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 LXXIV.

Annexure LXXIII

1

- (a) Name of the Power Supply authority seeking approval M/s ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-02 to ICR-09 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.421 Kms)
- (d) Length of Power line: 0.421 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

- (a) Names of parallel telecom lines: As per Annexure- LXXIV
- (b) Length of parallelism: As per Annexure- LXXIV

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- LXXIV

Annexure LXXIV

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-02 to ICR-09 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.421 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-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 (3Cx185 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F5) to ICR-08 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.346 Kms)** particulars of which are given in Annexure LXXV.

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 LXXVI.

Annexure LXXV

1

- (a) Name of the Power Supply authority seeking approval M/s ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F5) to ICR-08 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.346 Kms)
- (d) Length of Power line: 0.346 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

- (a) Names of parallel telecom lines: As per Annexure- LXXVI
- (b) Length of parallelism: As per Annexure- LXXVI
- 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- LXXVI

Annexure LXXVI

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F5) to ICR-08 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.346 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-07

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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F5) to ICR-07 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.118 Kms)** particulars of which are given in Annexure LXXVII.

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 LXXVIII.

Annexure LXXVII

1

- (a) Name of the Power Supply authority seeking approval M/s ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F5) to ICR-07 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.118 Kms)
- (d) Length of Power line: 1.118 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

- (a) Names of parallel telecom lines: As per Annexure- LXXVIII
- (b) Length of parallelism: As per Annexure- LXXVIII
- 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- LXXVIII

Annexure LXXVIII

Name of the Power Line: 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F5) to ICR-07 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.118 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-03-ICR-07

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-07 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.370 Kms)** particulars of which are given in Annexure LXXIX.

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 LXXX.

Annexure LXXIX

1

- (a) Name of the Power Supply authority seeking approval M/s ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-03 to ICR-07 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.370 Kms)
- (d) Length of Power line: 0.370 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

- (a) Names of parallel telecom lines: As per Annexure- LXXX
- (b) Length of parallelism: As per Annexure- LXXX

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- LXXX

Annexure LXXX

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-03 to ICR-07 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.370 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-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 (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F5) to ICR-04 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.268 Kms)** particulars of which are given in Annexure LXXXI.

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 LXXXII.

Annexure LXXXI

1

- (a) Name of the Power Supply authority seeking approval M/s ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F5) to ICR-04 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.268 Kms)
- (d) Length of Power line: 1.268 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1
- 2
- (a) Names of parallel telecom lines: As per Annexure- LXXXII
- (b) Length of parallelism: As per Annexure- LXXXII
- 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- LXXXII

Annexure LXXXII

Name of the Power Line: 33 KV Al Cable (3Cx300 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited (SW2-F5) to ICR-04 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 1.268 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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-894-ICR-01-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-01 to ICR-04 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.386 Kms)** particulars of which are given in Annexure LXXXIII.

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 LXXXIV.

Annexure LXXXIII

1

- (a) Name of the Power Supply authority seeking approval M/s ReNew Solar (Shakti Three) Private Limited
- (b) Reference number & date: RSSTPL/CEA/PTCC-01 dated 20.08.2025
E-mail dated 30.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-01 to ICR-04 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.386 Kms)
- (d) Length of Power line: 0.386 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

- (a) Names of parallel telecom lines: As per Annexure- LXXXIV
- (b) Length of parallelism: As per Annexure- LXXXIV

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- LXXXIV

Annexure LXXXIV

Name of the Power Line: 33 KV Al Cable (3Cx185 Sq.mm) from ICR-01 to ICR-04 of 300 MW Solar Power Plant of M/s ReNew Solar (Shakti Three) Private Limited at Barmer (Length: 0.386 Kms)

1. BSNL Telecom Details:

AGM (Op-II), Barmer, BSNL vide letter G-1/DL PTCC /Barmer/2025-26/39 dated 09.09.2025 has issued their NOC.

2. Railway Telecom Details:

Dy. CSTE, Telecom, North Western Railway vide letter N. SG/158/NWR/PTCC/1200 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5070 dated 19.12.2025 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
400/33 KV Pooling Substation of M/s ReNew Solar (Shakti Three) Private Limited	99	58.59	0.063	751	463	NA	NA
ICR	13.76	28.89	0.916	818	537	37	22

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.