



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**

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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 Samir Shakti Private Limited.

**Route Approval Certificate** for the following listed lines of M/s ReNew Samir Shakti Private Limited is annexed to this letter:

S. No	Name
1.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed <b>400/33 KV Pooling Substation</b> of M/s ReNew Samir Shakti Private Limited (SW2-F3) to <b>ICR-02</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 3.215 Kms</b> )
2.	33 KV Al Cable (3Cx185 Sq.mm) from <b>ICR-01</b> to <b>ICR-02</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 0.782 Kms</b> )
3.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed <b>400/33 KV Pooling Substation</b> of M/s ReNew Samir Shakti Private Limited (SW2-F3) to <b>ICR-04</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 3.413 Kms</b> )
4.	33 KV Al Cable (3Cx185 Sq.mm) from <b>ICR-03</b> to <b>ICR-04</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 0.325 Kms</b> )
5.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed <b>400/33 KV Pooling Substation</b> of M/s ReNew Samir Shakti Private Limited (SW2-F4) to <b>ICR-13</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 2.388 Kms</b> )
6.	33 KV Al Cable (3Cx185 Sq.mm) from <b>ICR-05</b> to <b>ICR-13</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 1.611 Kms</b> )
7.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed <b>400/33 KV Pooling Substation</b> of M/s ReNew Samir Shakti Private Limited (SW2-F4) to <b>ICR-06</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 3.629 Kms</b> )
8.	33 KV Al Cable (3Cx185 Sq.mm) from <b>ICR-14</b> to <b>ICR-06</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 0.685 Kms</b> )

9.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed <b>400/33 KV Pooling Substation</b> of M/s ReNew Samir Shakti Private Limited (SW2-F5) to <b>ICR-07</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 0.775 Kms</b> )
10.	33 KV Al Cable (3Cx185 Sq.mm) from <b>ICR-08</b> to <b>ICR-07</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 1.040 Kms</b> )
11.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed <b>400/33 KV Pooling Substation</b> of M/s ReNew Samir Shakti Private Limited (SW2-F5) to <b>ICR-10</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 1.540 Kms</b> )
12.	33 KV Al Cable (3Cx185 Sq.mm) from <b>ICR-09</b> to <b>ICR-10</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 0.379 Kms</b> )
13.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed <b>400/33 KV Pooling Substation</b> of M/s ReNew Samir Shakti Private Limited (SW1-F1) to <b>ICR-11</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 0.554 Kms</b> )
14.	33 KV Al Cable (3Cx185 Sq.mm) from <b>ICR-12</b> to <b>ICR-11</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 0.819 Kms</b> )
15.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed <b>400/33 KV Pooling Substation</b> of M/s ReNew Samir Shakti Private Limited (SW1-F1) to <b>ICR-16</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 1.873 Kms</b> )
16.	33 KV Al Cable (3Cx185 Sq.mm) from <b>ICR-15</b> to <b>ICR-16</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 0.634 Kms</b> )
17.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed <b>400/33 KV Pooling Substation</b> of M/s ReNew Samir Shakti Private Limited (SW1-F2) to <b>ICR-18</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 2.268 Kms</b> )
18.	33 KV Al Cable (3Cx185 Sq.mm) from <b>ICR-17</b> to <b>ICR-18</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 0.324 Kms</b> )
19.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed <b>400/33 KV Pooling Substation</b> of M/s ReNew Samir Shakti Private Limited (SW1-F2) to <b>ICR-20</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 1.816 Kms</b> )
20.	33 KV Al Cable (3Cx185 Sq.mm) from <b>ICR-19</b> to <b>ICR-20</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 0.862 Kms</b> )
21.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed <b>400/33 KV Pooling Substation</b> of M/s ReNew Samir Shakti Private Limited (SW1-F3) to <b>ICR-22</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 4.973 Kms</b> )
22.	33 KV Al Cable (3Cx185 Sq.mm) from <b>ICR-21</b> to <b>ICR-22</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 0.560 Kms</b> )
23.	33 KV Al Cable (3Cx400 Sq.mm) from Proposed <b>400/33 KV Pooling Substation</b> of M/s ReNew Samir Shakti Private Limited (SW1-F3) to <b>ICR-24</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer ( <b>Length: 4.943 Kms</b> )

24.	33 KV Al Cable (3Cx185 Sq.mm) from <b>ICR-23 to ICR-24</b> of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer <b>(Length: 0.594 Kms)</b>
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Chief Engineer

1.	M/s ReNew Samir Shakti 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-889-ICR-02**

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

**Approval** of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW2-F3) to ICR-02 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 3.215 Kms)** particulars of which are given in Annexure I.

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

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

### Annexure I

1

- |     |   |   |
|-----|---|---|
| (a) | Name of the Power Supply authority seeking approval | M/s ReNew Samir Shakti Private Limited  |
| (b) | Reference number & date:                            | RSSPL/CEA/PTCC-01 dated 19.08.2025<br>E-mail dated 13.10.2025<br>E-mail dated 29.10.2025<br>E-mail dated 01.12.2025   |
| (c) | Name of the Power line                              | 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW2-F3) to ICR-02 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 3.215 Kms) |
| (d) | Length of Power line:                               | 3.215 kms   |
| (e) | Operating Voltage                                   | 33 kV   |
| (f) | Number of circuits                                  | 1   |

2

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

3

Average value of earth resistivity in the region: 25,000 ohm-cms

4

Whether LF test necessary: No

5

Special conditions subject to which this certificate will be effective: As per Annexure-II

## Annexure II

**Name of the Power Line:** 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW2-F3) to ICR-02 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 3.215 Kms)

### 1. BSNL Telecom Details:

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

### 2. Railway Telecom Details:

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

### 3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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 Samir Shakti Private Limited	107.14	37.8	0.44	4037	2634	147	71
ICR	7.5	26.3	1.577	716	471	37	24

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-889-ICR-01-ICR-02**

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

**Approval** of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-01 to ICR-02 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.782 Kms)** particulars of which are given in Annexure III.

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

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

### Annexure III

- |     |  |   |
|-----|--|---|
| (a) | Name of the Power Supply authority seeking approval                    | M/s ReNew Samir Shakti Private Limited  |
| (b) | Reference number & date:   | RSSPL/CEA/PTCC-01 dated 19.08.2025<br>E-mail dated 13.10.2025<br>E-mail dated 29.10.2025<br>E-mail dated 01.12.2025                                     |
| (c) | Name of the Power line   | 33 KV Al Cable (3Cx185 Sq.mm) from ICR-01 to ICR-02 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.782 Kms) |
| (d) | Length of Power line:  | 0.782 kms   |
| (e) | Operating Voltage  | 33 kV   |
| (f) | Number of circuits   | 1   |
|     |  | 2   |
| (a) | Names of parallel telecom lines:                                       | As per Annexure-IV  |
| (b) | Length of parallelism:   | As per Annexure-IV  |
| 3   | Average value of earth resistivity in the region:                      | 25,000 ohm-cms  |
| 4   | Whether LF test necessary:   | No  |
| 5   | Special conditions subject to which this certificate will be effective | As per Annexure-IV  |

### Annexure IV

**Name of the Power Line:** 33 KV Al Cable (3Cx185 Sq.mm) from ICR-01 to ICR-02 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.782 Kms)

**1. BSNL Telecom Details:**

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

**2. Railway Telecom Details:**

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

**3. Defense Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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
ICR	7.5	26.3	1.577	716	471	37	24

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-889-ICR-04**

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

**Approval** of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW2-F3) to ICR-04 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 3.413 Kms)** particulars of which are given in Annexure V.

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

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

**Annexure V**

1

- (a) Name of the Power Supply authority seeking approval M/s ReNew Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW2-F3) to ICR-04 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 3.413 Kms)
- (d) Length of Power line: 3.413 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

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

3 Average value of earth resistivity in the region: 25,000 ohm-cms

4 Whether LF test necessary: No

5 Special conditions subject to which this certificate will be effective As per Annexure-VI

## Annexure VI

**Name of the Power Line:** 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW2-F3) to ICR-04 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 3.413 Kms)

### 1. BSNL Telecom Details:

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

### 2. Railway Telecom Details:

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

### 3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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 Samir Shakti Private Limited	107.14	37.8	0.44	4037	2634	147	71
ICR	7.5	26.3	1.577	716	471	37	24

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-889-03-04**

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

**Approval** of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-03 to ICR-04 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.325 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 Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-03 to ICR-04 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.325 Kms)
- (d) Length of Power line: 0.325 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-03 to ICR-04 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.325 Kms)

**1. BSNL Telecom Details:**

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

**2. Railway Telecom Details:**

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

**3. Defense Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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
ICR	7.5	26.3	1.577	716	471	37	24

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-889-ICR-13**

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

**Approval** of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW2-F4) to ICR-13 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 2.388 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 Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW2-F4) to ICR-13 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 2.388 Kms)
- (d) Length of Power line: 2.388 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

- (a) Names of parallel telecom lines: As per Annexure-X
- (b) Length of parallelism: As per Annexure-X
- 3 Average value of earth resistivity in the region: 25,000 ohm-cms
- 4 Whether LF test necessary: No
- 5 Special conditions subject to which this certificate will be effective As per Annexure-X

## Annexure X

**Name of the Power Line:** 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW2-F4) to ICR-13 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 2.388 Kms)

### 1. BSNL Telecom Details:

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

### 2. Railway Telecom Details:

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

### 3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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 Samir Shakti Private Limited	107.14	37.8	0.44	4037	2634	147	71
ICR	7.5	26.3	1.577	716	471	37	24

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-889-ICR-05-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-05 to ICR-13 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 1.611 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 Samir Shakti Private Limited  |
| (b) | Reference number & date:   | RSSPL/CEA/PTCC-01 dated 19.08.2025<br>E-mail dated 13.10.2025<br>E-mail dated 29.10.2025<br>E-mail dated 01.12.2025                                     |
| (c) | Name of the Power line   | 33 KV Al Cable (3Cx185 Sq.mm) from ICR-05 to ICR-13 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 1.611 Kms) |
| (d) | Length of Power line:  | 1.611 kms   |
| (e) | Operating Voltage  | 33 kV   |
| (f) | Number of circuits   | 1   |
|     |  | 2   |
| (a) | Names of parallel telecom lines:                                       | As per Annexure-XII   |
| (b) | Length of parallelism:   | As per Annexure-XII   |
| 3   | Average value of earth resistivity in the region:                      | 25,000 ohm-cms  |
| 4   | Whether LF test necessary:   | No  |
| 5   | Special conditions subject to which this certificate will be effective | As per Annexure-XII   |

## Annexure XII

**Name of the Power Line:** 33 KV Al Cable (3Cx185 Sq.mm) from ICR-05 to ICR-13 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 1.611 Kms)

**1. BSNL Telecom Details:**

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

**2. Railway Telecom Details:**

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

**3. Defense Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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
ICR	7.5	26.3	1.577	716	471	37	24

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-889-ICR-06**

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

**Approval** of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW2-F4) to ICR-06 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 3.629 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 Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW2-F4) to ICR-06 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 3.629 Kms)
- (d) Length of Power line: 3.629 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

- (a) Names of parallel telecom lines: As per Annexure-XIV
- (b) Length of parallelism: As per Annexure-XIV
- 3 Average value of earth resistivity in the region: 25,000 ohm-cms
- 4 Whether LF test necessary: No
- 5 Special conditions subject to which this certificate will be effective As per Annexure-XIV

### Annexure XIV

**Name of the Power Line:** 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW2-F4) to ICR-06 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 3.629 Kms)

**1. BSNL Telecom Details:**

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

**2. Railway Telecom Details:**

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

**3. Defense Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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 Samir Shakti Private Limited	107.14	37.8	0.44	4037	2634	147	71
ICR	7.5	26.3	1.577	716	471	37	24

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-889-ICR-14-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-14 to ICR-06 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.685 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 Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-14 to ICR-06 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.685 Kms)
- (d) Length of Power line: 0.685 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

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

3 Average value of earth resistivity in the region: 25,000 ohm-cms

4 Whether LF test necessary: No

5 Special conditions subject to which this certificate will be effective As per Annexure-XVI

## Annexure XVI

**Name of the Power Line:** 33 KV Al Cable (3Cx185 Sq.mm) from ICR-14 to ICR-06 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.685 Kms)

### 1. BSNL Telecom Details:

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

### 2. Railway Telecom Details:

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

### 3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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
ICR	7.5	26.3	1.577	716	471	37	24

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-889-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 (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW2-F5) to ICR-07 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.775 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 Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW2-F5) to ICR-07 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.775 Kms)
- (d) Length of Power line: 0.7775 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

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

3

Average value of earth resistivity in the region: 25,000 ohm-cms

4

Whether LF test necessary: No

5

Special conditions subject to which this certificate will be effective As per Annexure-XVIII

### Annexure XVIII

**Name of the Power Line:** 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW2-F5) to ICR-07 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.775 Kms)

**1. BSNL Telecom Details:**

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

**2. Railway Telecom Details:**

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

**3. Defense Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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 Samir Shakti Private Limited	107.14	37.8	0.44	4037	2634	147	71
ICR	7.5	26.3	1.577	716	471	37	24

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-889-ICR-08-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-08 to ICR-07 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 1.040 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 Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-08 to ICR-07 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 1.040 Kms)
- (d) Length of Power line: 1.040 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

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

3 Average value of earth resistivity in the region: 25,000 ohm-cms

4 Whether LF test necessary: No

5 Special conditions subject to which this certificate will be effective As per Annexure-XX

## Annexure XX

**Name of the Power Line:** 33 KV Al Cable (3Cx185 Sq.mm) from ICR-08 to ICR-07 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 1.040 Kms)

### 1. BSNL Telecom Details:

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

### 2. Railway Telecom Details:

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

### 3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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
ICR	7.5	26.3	1.577	716	471	37	24

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-889-ICR-10**

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

**Approval** of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW2-F5) to ICR-10 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 1.540 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 Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW2-F5) to ICR-10 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 1.540 Kms)
- (d) Length of Power line: 1.540 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

- (a) Names of parallel telecom lines: As per Annexure-XXII
- (b) Length of parallelism: As per Annexure-XXII
- 3 Average value of earth resistivity in the region: 25,000 ohm-cms
- 4 Whether LF test necessary: No
- 5 Special conditions subject to which this certificate will be effective As per Annexure-XXII

## Annexure XXII

**Name of the Power Line:** 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW2-F5) to ICR-10 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 1.540 Kms)

### 1. BSNL Telecom Details:

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

### 2. Railway Telecom Details:

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

### 3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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 Samir Shakti Private Limited	107.14	37.8	0.44	4037	2634	147	71
ICR	7.5	26.3	1.577	716	471	37	24

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-889-ICR-09-ICR-10**

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

**Approval** of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-09 to ICR-10 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.379 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 Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-09 to ICR-10 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.379 Kms)
- (d) Length of Power line: 0.379 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-09 to ICR-10 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.379 Kms)

**1. BSNL Telecom Details:**

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

**2. Railway Telecom Details:**

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

**3. Defense Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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
ICR	7.5	26.3	1.577	716	471	37	24

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-889-ICR-11**

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

**Approval** of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW1-F1) to ICR-11 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.554 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 Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW1-F1) to ICR-11 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.554 Kms)
- (d) Length of Power line: 0.554 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

- (a) Names of parallel telecom lines: As per Annexure-XXVI
- (b) Length of parallelism: As per Annexure-XXVI
- 3 Average value of earth resistivity in the region: 25,000 ohm-cms
- 4 Whether LF test necessary: No
- 5 Special conditions subject to which this certificate will be effective As per Annexure-XXVI

## Annexure XXVI

**Name of the Power Line:** 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW1-F1) to ICR-11 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.554 Kms)

### 1. BSNL Telecom Details:

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

### 2. Railway Telecom Details:

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

### 3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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 Samir Shakti Private Limited	107.14	37.8	0.44	4037	2634	147	71
ICR	7.5	26.3	1.577	716	471	37	24

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-889-ICR-11-ICR-12**

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

**Approval** of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-12 to ICR-11 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.819 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 Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-12 to ICR-11 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.819 Kms)
- (d) Length of Power line: 0.819 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-12 to ICR-11 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.819 Kms)

**1. BSNL Telecom Details:**

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

**2. Railway Telecom Details:**

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

**3. Defense Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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
ICR	7.5	26.3	1.577	716	471	37	24

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-889-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 (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW1-F1) to ICR-16 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 1.873 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 Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW1-F1) to ICR-16 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 1.873 Kms)
- (d) Length of Power line: 1.873 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

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

3 Average value of earth resistivity in the region: 25,000 ohm-cms

4 Whether LF test necessary: No

5 Special conditions subject to which this certificate will be effective As per Annexure-XXX

### Annexure XXX

**Name of the Power Line:** 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW1-F1) to ICR-16 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 1.873 Kms)

**1. BSNL Telecom Details:**

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

**2. Railway Telecom Details:**

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

**3. Defense Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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 Samir Shakti Private Limited	107.14	37.8	0.44	4037	2634	147	71
ICR	7.5	26.3	1.577	716	471	37	24

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-889-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 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.634 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 Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-15 to ICR-16 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.634 Kms)
- (d) Length of Power line: 0.634 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

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

3 Average value of earth resistivity in the region: 25,000 ohm-cms

4 Whether LF test necessary: No

5 Special conditions subject to which this certificate will be effective As per Annexure-XXXII

## Annexure XXXII

**Name of the Power Line:** 33 KV Al Cable (3Cx185 Sq.mm) from ICR-15 to ICR-16 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.634 Kms)

**1. BSNL Telecom Details:**

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

**2. Railway Telecom Details:**

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

**3. Defense Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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
ICR	7.5	26.3	1.577	716	471	37	24

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-889-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 (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW1-F2) to ICR-18 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 2.268 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 Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW1-F2) to ICR-18 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 2.268 Kms)
- (d) Length of Power line: 2.268 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

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

3 Average value of earth resistivity in the region: 25,000 ohm-cms

4 Whether LF test necessary: No

5 Special conditions subject to which this certificate will be effective As per Annexure-XXXIV

### Annexure XXXIV

**Name of the Power Line:** 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW1-F2) to ICR-18 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 2.268 Kms)

**1. BSNL Telecom Details:**

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

**2. Railway Telecom Details:**

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

**3. Defense Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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 Samir Shakti Private Limited	107.14	37.8	0.44	4037	2634	147	71
ICR	7.5	26.3	1.577	716	471	37	24

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-889-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 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.324 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 Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-17 to ICR-18 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.324 Kms)
- (d) Length of Power line: 0.324 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-17 to ICR-18 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.324 Kms)

**1. BSNL Telecom Details:**

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

**2. Railway Telecom Details:**

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

**3. Defense Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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
ICR	7.5	26.3	1.577	716	471	37	24

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-889-ICR-20**

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

**Approval** of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW1-F2) to ICR-20 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 1.816 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 Samir Shakti Private Limited  |
| (b) | Reference number & date:                            | RSSPL/CEA/PTCC-01 dated 19.08.2025<br>E-mail dated 13.10.2025<br>E-mail dated 29.10.2025<br>E-mail dated 01.12.2025   |
| (c) | Name of the Power line                              | 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW1-F2) to ICR-20 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti 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- XXXVIII |
| (b) | Length of parallelism:           | As per Annexure- XXXVIII |
- 3 Average value of earth resistivity in the region: 25,000 ohm-cms
- 4 Whether LF test necessary: No
- 5 Special conditions subject to which this certificate will be effective As per Annexure- XXXVIII

### Annexure XXXVIII

**Name of the Power Line:** 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW1-F2) to ICR-20 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 1.816 Kms)

**1. BSNL Telecom Details:**

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

**2. Railway Telecom Details:**

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

**3. Defense Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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 Samir Shakti Private Limited	107.14	37.8	0.44	4037	2634	147	71
ICR	7.5	26.3	1.577	716	471	37	24

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-889-ICR-19-ICR-20**

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

**Approval** of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-19 to ICR-20 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.862 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 XXXX.

**Annexure XXXIX**

1

- (a) Name of the Power Supply authority seeking approval M/s ReNew Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-19 to ICR-20 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.862 Kms)
- (d) Length of Power line: 0.862 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 XXXX

**Name of the Power Line:** 33 KV Al Cable (3Cx185 Sq.mm) from ICR-19 to ICR-20 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.862 Kms)

**1. BSNL Telecom Details:**

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

**2. Railway Telecom Details:**

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

**3. Defense Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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
ICR	7.5	26.3	1.577	716	471	37	24

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-889-ICR-22**

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

**Approval** of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW1-F3) to ICR-22 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 4.973 Kms)** particulars of which are given in Annexure XXXXI.

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 XXXXII.

**Annexure XXXXI**

1

- (a) Name of the Power Supply authority seeking approval M/s ReNew Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW1-F3) to ICR-22 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 4.973 Kms)
- (d) Length of Power line: 4.973 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1
- 2
- (a) Names of parallel telecom lines: As per Annexure- XXXXII
- (b) Length of parallelism: As per Annexure- XXXXII
- 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- XXXXII

## Annexure XXXXII

**Name of the Power Line:** 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW1-F3) to ICR-22 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 4.973 Kms)

### 1. BSNL Telecom Details:

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

### 2. Railway Telecom Details:

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

### 3. Defense Telecom Details:

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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 Samir Shakti Private Limited	107.14	37.8	0.44	4037	2634	147	71
ICR	7.5	26.3	1.577	716	471	37	24

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-889-ICR-21-ICR-22**

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

**Approval** of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for the route of **33 KV Al Cable (3Cx185 Sq.mm) from ICR-21 to ICR-22 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.560 Kms)** particulars of which are given in Annexure XXXXIII.

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 XXXXIV.

**Annexure XXXXIII**

1

- |     |   |   |
|-----|---|---|
| (a) | Name of the Power Supply authority seeking approval | M/s ReNew Samir Shakti Private Limited  |
| (b) | Reference number & date:                            | RSSPL/CEA/PTCC-01 dated 19.08.2025<br>E-mail dated 13.10.2025<br>E-mail dated 29.10.2025<br>E-mail dated 01.12.2025                                     |
| (c) | Name of the Power line                              | 33 KV Al Cable (3Cx185 Sq.mm) from ICR-21 to ICR-22 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.560 Kms) |
| (d) | Length of Power line:                               | 0.560 kms   |
| (e) | Operating Voltage                                   | 33 kV   |
| (f) | Number of circuits                                  | 1   |
- 2
- |     |                                  |                         |
|-----|----------------------------------|-------------------------|
| (a) | Names of parallel telecom lines: | As per Annexure- XXXXIV |
| (b) | Length of parallelism:           | As per Annexure- XXXXIV |
- 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- XXXXIV

### Annexure XXXXIV

**Name of the Power Line:** 33 KV Al Cable (3Cx185 Sq.mm) from ICR-21 to ICR-22 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.560 Kms)

**1. BSNL Telecom Details:**

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

**2. Railway Telecom Details:**

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

**3. Defense Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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
ICR	7.5	26.3	1.577	716	471	37	24

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-889-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 (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW1-F3) to ICR-24 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 4.943 Kms)** particulars of which are given in Annexure XXXXV.

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 XXXXVI.

**Annexure XXXXV**

1

- (a) Name of the Power Supply authority seeking approval M/s ReNew Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW1-F3) to ICR-24 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 4.943 Kms)
- (d) Length of Power line: 4.943 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1
- 2
- (a) Names of parallel telecom lines: As per Annexure- XXXXVI
- (b) Length of parallelism: As per Annexure- XXXXVI
- 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- XXXXVI

### Annexure XXXXVI

**Name of the Power Line:** 33 KV Al Cable (3Cx400 Sq.mm) from Proposed 400/33 KV Pooling Substation of M/s ReNew Samir Shakti Private Limited (SW1-F3) to ICR-24 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 4.943 Kms)

**1. BSNL Telecom Details:**

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

**2. Railway Telecom Details:**

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

**3. Defense Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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 Samir Shakti Private Limited	107.14	37.8	0.44	4037	2634	147	71
ICR	7.5	26.3	1.577	716	471	37	24

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-889-ICR-23-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 (3Cx185 Sq.mm) from ICR-23 to ICR-24 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.594 Kms)** particulars of which are given in Annexure XXXXVII.

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 XXXXVIII.

**Annexure XXXXVII**

1

- (a) Name of the Power Supply authority seeking approval M/s ReNew Samir Shakti Private Limited
- (b) Reference number & date: RSSPL/CEA/PTCC-01 dated 19.08.2025  
E-mail dated 13.10.2025  
E-mail dated 29.10.2025  
E-mail dated 01.12.2025
- (c) Name of the Power line 33 KV Al Cable (3Cx185 Sq.mm) from ICR-23 to ICR-24 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.594 Kms)
- (d) Length of Power line: 0.594 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1
- 2
- (a) Names of parallel telecom lines: As per Annexure- XXXXVIII
- (b) Length of parallelism: As per Annexure- XXXXVIII
- 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- XXXXVIII

### Annexure XXXXVIII

**Name of the Power Line:** 33 KV Al Cable (3Cx185 Sq.mm) from ICR-23 to ICR-24 of 200 MW Solar Power Plant of M/s ReNew Samir Shakti Private Limited at Barmer (Length: 0.594 Kms)

**1. BSNL Telecom Details:**

DET (PTCC), BSNL, Northern Zone vide letter G-1/DL PTCC/Barmer/2025-26/40 dated 09.09.2025 has issued their NOC.

**2. Railway Telecom Details:**

GM (S&T), NW Railway vide letter N. SG/158/NWR/PTCC/1196 dated 12.09.2025 has issued their NOC.

**3. Defense Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5042 dated 04.11.2025 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
ICR	7.5	26.3	1.577	716	471	37	24

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.