



सत्यमेव जयते



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

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

No: As assigned

Date: As assigned

Subject: Provisional Certificate of Approval for the Route of Power Line of M/s Ampin Energy Green Three Private Limited

Provisional Route Approval Certificate having a validity of **60 days** from the date of issuance for the following listed lines of M/s Ampin Energy Green Three Private Limited is annexed to this letter:

S. No	Case No.	Name
1.	RAJ-886-F1	33 KV XLPE, AL Ar UG cable (3x185 Sq.mm & 3CX300 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Village sheo, Barmer to Proposed 50 MW Solar Power Plant Feeder 1 of M/s. AMPIN Energy Green Three Private Limited (C&I) Project in Village Balai, Barmer, Rajasthan. (Total Length: 4.319 kms)
2.	RAJ-886-F2	33 KV XLPE, AL Ar UG cable (3x185 Sq.mm & 3CX300 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Village sheo, Barmer to Proposed 50 MW Solar Power Plant Feeder 2 of M/s. AMPIN Energy Green Three Private Limited (C&I) Project in Village Balai, Barmer, Rajasthan. (Total Length: 2.489 kms)

Chief Engineer

1.	M/s Ampin Energy Green Three Private Limited	309, 3rd Floor, Rectangle One, Behind Sheraton Hotel, Saket, New Delhi – 110 017 (INDIA)
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CEA Case No.: RAJ-886-F1

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

Provisional Approval of the Central Level Power & Telecommunication Co-ordination Committee having a validity of 60 days is hereby conveyed for **33 KV XLPE, AL Ar UG cable (3x185 Sq.mm & 3CX300 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Village sheo, Barmer to Proposed 50 MW Solar Power Plant Feeder 1 of M/s. AMPIN Energy Green Three Private Limited (C&I) Project in Village Balai, Barmer, Rajasthan. (Total Length: 4.319 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

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|-----|---|--|
| (a) | Name of the Power Supply authority seeking approval | M/s Ampin Energy Green Three Private Limited |
| (b) | Reference number & date: | CEA/PTCC/AMPIN/33KV/SOLAR/FD#01&02/07/2025 Dated 15.07.2025.
E-mail: 29.12.2025 |
| (c) | Name of the Power line | 33 KV XLPE, AL Ar UG cable (3x185 Sq.mm & 3CX300 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Village sheo, Barmer to Proposed 50 MW Solar Power Plant Feeder 1 of M/s. AMPIN Energy Green Three Private Limited (C&I) Project in Village Balai, Barmer, Rajasthan. (Total Length: 4.319 kms) |
| (d) | Length of Power line: | 4.319 |
| (e) | Operating Voltage | 33 kV |
| (f) | Number of circuits | 1 |

2

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|-----|----------------------------------|--------------------|
| (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 XLPE, AL Ar UG cable (3x185 Sq.mm & 3CX300 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Village sheo, Barmer to Proposed 50 MW Solar Power Plant Feeder 1 of M/s. AMPIN Energy Green Three Private Limited (C&I) Project in Village Balai, Barmer, Rajasthan. (Total Length: 4.319 kms)

1. Railway Telecom Details:

NWR (HQ), Jaipur, North Western Railway vide letter N. G/158/NWR/PTCC/1187 dated 12.09.2025 has issued their NOC.

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

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s AMPIN Energy Green Private Limited	116.42	37.8	0.58383	5859	3836	251	141
ICR	13.76	28.89	0.9	818	537	37	22

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

CEA Case No.: RAJ-866-F2

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

Provisional Approval of the Central Level Power & Telecommunication Co-ordination Committee having a validity of 60 days is hereby conveyed for the route of **33 KV XLPE, AL Ar UG cable (3x185 Sq.mm & 3CX300 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Village sheo, Barmer to Proposed 50 MW Solar Power Plant Feeder 2 of M/s. AMPIN Energy Green Three Private Limited (C&I) Project in Village Balai, Barmer, Rajasthan. (Total Length: 2.489 kms).** particulars of which are given in Annexure III.

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

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

10. The route approval shall be subject to special conditions as laid down under Annexure IV.

Annexure III

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|-----|---|--|
| (a) | Name of the Power Supply authority seeking approval | M/s AMPIN Energy Green Three Private Limited |
| (b) | Reference number & date: | CEA/PTCC/AMPIN/33KV/SOLAR/FD#01&02/07/2025 Dated 15.07.2025
E-mail: 29.12.2025 |
| (c) | Name of the Power line | 33 KV XLPE, AL Ar UG cable (3x185 Sq.mm & 3CX300 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Village sheo, Barmer to Proposed 50 MW Solar Power Plant Feeder 2 of M/s. AMPIN Energy Green Three Private Limited (C&I) Project in Village Balai, Barmer, Rajasthan. (Total Length: 2.489 kms). |
| (d) | Length of Power line: | 2.489 kms |
| (e) | Operating Voltage | 33 kV |
| (f) | Number of circuits | 1 |

2

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|-----|--|--------------------|
| (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 XLPE, AL Ar UG cable (3x185 Sq.mm & 3CX300 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Village sheo, Barmer to Proposed 50 MW Solar Power Plant Feeder 2 of M/s. AMPIN Energy Green Three Private Limited (C&I) Project in Village Balai, Barmer, Rajasthan. (Total Length: 2.489 kms).

1. BSNL Telecom Details:

NA

2. Railway Telecom Details:

NWR (HQ), Jaipur, North Western Railway vide letter N. G/158/NWR/PTCC/1187 dated 12.09.2025 has issued their NOC.

3. Defense Telecom Details:

NA

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

Name of the proposed Substation	Half diagonal distance , D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 KV Pooling Substation of M/s AMPIN Energy Green Private Limited	116.42	37.8	0.58383	5859	3836	251	141
ICR	13.76	28.89	0.9	818	537	37	22

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