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 Ten Private Limited.

Provisional Route Approval Certificate for the following listed lines of M/s Ampin Energy Green Ten Private Limited.is annexed to this letter:

S. No.	Name
1.	33 KV XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to Proposed Solar Feeders FD#01 , comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 22,23 to ICR 20) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan. (Total Line Length: 2.307 kms).
2.	33 KV XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to Proposed Solar Feeders FD#02, comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 25,26 to ICR 24) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan. (Total Line Length: 3.539 kms).
3.	33 KV XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to Proposed Solar Feeders FD#03 comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 28,29 to ICR 27) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan. (Total Line Length: 3.544 kms).
4.	33 KV XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to ProposedSolar Feeders FD#04, comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 31,32 to ICR 30) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan. (Total Line Length: 4.570 kms).
5.	33 KV XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to Proposed Solar Feeders FD#05

	comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 21) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan. (Total Line Length: 0.787 kms).

Chief Engineer

Digitally signed by
Suman Kumar Maharana
Date: 12-01-2026
16:49:54

1.	M/s Ampin Energy Green Ten Private Limited.	309, 3rd Floor, Rectangle One, Behind Sheraton Hotel, Saket, New Delhi – 110 017 (INDIA)

CEA Case No.: **RAJ-945-FD#01**

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

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to Proposed Solar Feeders FD#01 , comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 22,23 to ICR 20) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan. (Total Line Length: 2.307 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. AMPIN Energy Green Ten Private Limited**
(b)	Reference number & date:	CEA/PTCC/AMPINTEN-33KV/Solar FD#01 To FD#5 /11/2025 Dated 19.11.2025. E-mail dated 06.01.2026
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to Proposed Solar Feeders FD#01 , comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 22,23 to ICR 20) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan.
(d)	Length of Power line:	2.307 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 XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to Proposed Solar Feeders FD#01 , comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 22,23 to ICR 20) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan. (Total Line Length: 2.307 kms).

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter AGM(Op-II)/Barmer/PTCC/2025-26/66 dated 30.12.2025 has stated non-existence of any BSNL telecom circuit within the periphery of 05 kms of the proposed route. Thus, BSNL Letter is taken as deemed 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
33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer	90.28	35.35	0.1429	970	611	NA	NA
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-945-FD#02**

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

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to Proposed Solar Feeders FD#02, comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 25,26 to ICR 24) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan. (Total Line Length: 3.539 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

1		
(a)	Name of the Power Supply authority seeking approval	**M/s. AMPIN Energy Green Ten Private Limited**
(b)	Reference number & date:	CEA/PTCC/AMPINTEN-33KV/Solar FD#01 To FD#5 /11/2025 Dated 19.11.2025. E-mail dated 06.01.2026
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to Proposed Solar Feeders FD#02, comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 25,26 to ICR 24) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan.
(d)	Length of Power line:	3.539 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 XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to Proposed Solar Feeders FD#02, comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 25,26 to ICR 24) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan. (Total Line Length: 3.539 kms).

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter AGM(Op-II)/Barmer/PTCC/2025-26/66 dated 30.12.2025 has stated non-existence of any BSNL telecom circuit within the periphery of 05 kms of the proposed route. Thus, BSNL Letter is taken as deemed 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
33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer	90.28	35.35	0.1429	970	611	NA	NA
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-945-FD#03

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

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to Proposed Solar Feeders FD#03 comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 28,29 to ICR 27) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan. (Total Line Length: 3.544 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. AMPIN Energy Green Ten Private Limited**
(b)	Reference number & date:	CEA/PTCC/AMPINTEN-33KV/Solar FD#01 To FD#5 /11/2025 Dated 19.11.2025 E-mail dated 06.01.2026
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to Proposed Solar Feeders FD#03 comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 28,29 to ICR 27) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan.
(d)	Length of Power line:	3.544 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 XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to Proposed Solar Feeders FD#03 comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 28,29 to ICR 27) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan. (Total Line Length: 3.544 kms).

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter AGM(Op-II)/Barmer/PTCC/2025-26/66 dated 30.12.2025 has stated non-existence of any BSNL telecom circuit within the periphery of 05 kms of the proposed route. Thus, BSNL Letter is taken as deemed 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
33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer	90.28	35.35	0.1429	970	611	NA	NA
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-945-FD#04**

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

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to ProposedSolar Feeders FD#04, comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 31,32 to ICR 30) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan. (Total Line Length: 4.570 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. AMPIN Energy Green Ten Private Limited**
(b)	Reference number & date:	CEA/PTCC/AMPINTEN-33KV/Solar FD#01 To FD#5 /11/2025 Dated 19.11.2025 E-mail dated 06.01.2026
(c)	Name of the Power line	**33 KV XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to Proposed Solar Feeders FD#04, comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 31,32 to ICR 30) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan.**
(d)	Length of Power line:	4.570 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 XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to ProposedSolar Feeders FD#04, comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 31,32 to ICR 30) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan. (Total Line Length: 4.570 kms).

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter AGM(Op-II)/Barmer/PTCC/2025-26/66 dated 30.12.2025 has stated non-existence of any BSNL telecom circuit within the periphery of 05 kms of the proposed route. Thus, BSNL Letter is taken as deemed 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
33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer	90.28	35.35	0.1429	970	611	NA	NA
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-945-FD#05

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

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to Proposed Solar Feeders FD#05 comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 21) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan. (Total Line Length: 0.787 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. AMPIN Energy Green Ten Private Limited**
(b)	Reference number & date:	CEA/PTCC/AMPINTEN-33KV/Solar FD#01 To FD#5 /11/2025 Dated 19.11.2025 E-mail dated 06.01.2026
(c)	Name of the Power line	**33 KV XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to Proposed Solar Feeders FD#05 comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 21) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan.**
(d)	Length of Power line:	0.787 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 XLPE, AL Ar UG cable (3Cx400 Sq.mm & 1CX630 Sq.mm, 1C X 400 Sq.mm) from proposed 33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer to Proposed Solar Feeders FD#05 comprising of 3X 0.66/33 kV 9.5 MVA Inverter Duty Transformers of (ICR 21) Located at M/s. AMPIN Energy Green Ten Private Limited 114.4 MW Solar Power Project (SECI V) Village Sitaram ki Dhani, Tehsil- Sheo, Dist.- Barmer, Rajasthan. (Total Line Length: 0.787 kms).

1. **BSNL Telecom Details:**
   AGM (Op-II), Barmer, BSNL vide letter AGM(Op-II)/Barmer/PTCC/2025-26/66 dated 30.12.2025 has stated non-existence of any BSNL telecom circuit within the periphery of 05 kms of the proposed route. Thus, BSNL Letter is taken as deemed 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
33/220 kV Pooling Substation of 300 MW Hybrid Power Plant of M/s AMPIN Energy Green Private Limited at Sheo, Barmer	90.28	35.35	0.1429	970	611	NA	NA
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 entran