



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

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

No: As assigned

Date: As assigned

Subject: Certificate of Approval for the Route of Power Line of M/s Clean Max Enviro Energy Solutions Private Limited.

Route Approval Certificate for the following listed lines of M/s Clean Max Enviro Energy Solutions Private Limited is annexed to this letter:

S. No	Name
1.	33KV Feeder No. 305 , partially laid underground [3Cx300 sqmm Al cable (Length: 1.575 kms) and 2R 630 sqmm Al cable (Length: 0.1 kms)] and partially overhead on SPSC and DPDC (Length: 1.25 kms) from Block No. B3.1-IS1, B3.1-IS2, B3.1-IS3 of 105.6 MW Solar Power Plant of M/s. Cleanmax Enviro Energy Solutions Private Limited (CEESPL) to 220/33 KV PSS of Salt town Infra private Limited at District- Bikaner, Rajasthan (Length: 2.92 kms)
2.	33KV Feeder No. 306 , partially laid underground [3Cx300 sqmm Al cable (Length: 1.04 kms) and 2R 630 sqmm Al cable (Length: 0.1 kms)] and partially overhead on SPSC and DPDC (Length: 2.05 kms) from Block No. B3.1-IS4, B3.1-IS5, B3.1-IS6, B3.1-IS7 of 105.6 MW Solar Power Plant of M/s. Cleanmax Enviro Energy Solutions Private Limited (CEESPL) to 220/33 KV PSS of Salt town Infra private Limited at District- Bikaner, Rajasthan (Length: 3.19 kms)
3.	33KV Feeder No. 324 , partially laid underground [3Cx300 sqmm Al cable (Length: 2.625 kms) and 2R 630 sqmm Al cable (Length: 0.1 kms)] and partially overhead on SPSC and DPDC (Length: 2.34 kms) from Block No. B2.1-IS1, B2.1-IS2, B2.1-IS3, B2.1-IS4 of 105.6 MW Solar Power Plant of M/s. Cleanmax Enviro Energy Solutions Private Limited (CEESPL) to 220/33 KV PSS of Salt town Infra private Limited at District- Bikaner, Rajasthan (Length: 5.07 kms)

Chief Engineer

1.	M/s Clean Max Enviro Energy Solutions Private Limited	4 th Floor, The International, 16 Maharshi Karve Road, Marine Lines, 1 st Coss Ln, New Marine Lines, Churchgate, Mumbai – 400 020.
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CEA Case No.: RAJ-913-305**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 33KV **Feeder No. 305**, partially laid underground [3Cx300 sqmm Al cable (Length: 1.575 kms) and 2R 630 sqmm Al cable (Length: 0.1 kms)] and partially overhead on SPSC and DPDC (Length: 1.25 kms) from **Block No. B3.1-IS1, B3.1-IS2, B3.1-IS3** of 105.6 MW Solar Power Plant of M/s. Cleanmax Enviro Energy Solutions Private Limited (CEESPL) to 220/33 KV PSS of Salt town Infra private Limited at District- Bikaner, Rajasthan (Length: **2.92 kms**) particulars of which are given in Annexure I.

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

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

Annexure I

[1]

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|-----|---|--|
| (a) | Name of the Power Supply authority seeking approval | M/s Clean Max Enviro Energy Solutions Private Limited |
| (b) | Reference number & date: | CCPL/PTCC/33KV C/25-26/01 dated 18.09.2025
E-mail dated 24.12.2025 |
| (c) | Name of the Power line | 33KV Feeder No. 305 , partially laid underground [3Cx300 sqmm Al cable (Length: 1.575 kms) and 2R 630 sqmm Al cable (Length: 0.1 kms)] and partially overhead on SPSC and DPDC (Length: 1.25 kms) from Block No. B3.1-IS1, B3.1-IS2, B3.1-IS3 of 105.6 MW Solar Power Plant of M/s. Cleanmax Enviro Energy Solutions Private Limited (CEESPL) to 220/33 KV PSS of Salt town Infra private Limited at District- Bikaner, Rajasthan (Length: 2.92 kms) |
| (d) | Length of Power line: | 2.92 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-II |
| (b) | Length of parallelism: | As per Annexure-II |

[3] Average value of earth resistivity in the region: 20000 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: 33KV Feeder No. 305, partially laid underground [3Cx300 sqmm Al cable (Length: 1.575 kms) and 2R 630 sqmm Al cable (Length: 0.1 kms)] and partially overhead on SPSC and DPDC (Length: 1.25 kms) from **Block No. B3.1-IS1, B3.1-IS2, B3.1-IS3** of 105.6 MW Solar Power Plant of M/s. Cleanmax Enviro Energy Solutions Private Limited (CEESPL) to 220/33 KV PSS of Salt town Infra private Limited at District- Bikaner, Rajasthan (Length: **2.92 kms**)

- **BSNL Telecom Details:**

AGM Planning Bikaner O/o GM Bikaner BA, NZ Zone vide letter M-3/ PTCC Meeting/ Bikaner/ 2025 dated 24.09.2025 has issued their NOC.

- **Railway Telecom Details:**

Dy CSTE/Tele NWR/Jaipur Central Railway vide letter SG/158/NWR/PTCC/1224 dated 16.10.2025 has issued their NOC.

- **Defence Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5149 dated 24.11.2025 has issued their NOC.

- 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 PSS of Salt town Infra private Limited	187	50	0.40	6771	4416	240	112
33KV Solar Block No. B3.1-IS1, B3.1-IS2, B3.1-IS3	21.26	25	0.50	597	388	17	6

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-913-306**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 33KV **Feeder No. 306**, partially laid underground [3Cx300 sqmm Al cable (Length: 1.04 kms) and 2R 630 sqmm Al cable (Length: 0.1 kms)] and partially overhead on SPSC and DPDC (Length: 2.05 kms) from **Block No.B3.1-IS4, B3.1-IS5, B3.1-IS6, B3.1-IS7** of 105.6 MW Solar Power Plant of M/s. Cleanmax Enviro Energy Solutions Private Limited (CEESPL) to 220/33 KV PSS of Salt town Infra private Limited at District- Bikaner, Rajasthan (**Length: 3.19 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]

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|-----|---|---|
| (a) | Name of the Power Supply authority seeking approval | M/s Clean Max Enviro Energy Solutions Private Limited |
| (b) | Reference number & date: | CCPL/PTCC/33KV C/25-26/01 dated 18.09.2025
E-mail dated 24.12.2025 |
| (c) | Name of the Power line | 33KV Feeder No. 306 , partially laid underground [3Cx300 sqmm Al cable (Length: 1.04 kms) and 2R 630 sqmm Al cable (Length: 0.1 kms)] and partially overhead on SPSC and DPDC (Length: 2.05 kms) from Block No.B3.1-IS4, B3.1-IS5, B3.1-IS6, B3.1-IS7 of 105.6 MW Solar Power Plant of M/s. Cleanmax Enviro Energy Solutions Private Limited (CEESPL) to 220/33 KV PSS of Salt town Infra private Limited at District- Bikaner, Rajasthan (Length: 3.19 kms) |
| (d) | Length of Power line: | 3.19 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: 20000 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: 33KV Feeder No. 306, partially laid underground [3Cx300 sqmm Al cable (Length: 1.04 kms) and 2R 630 sqmm Al cable (Length: 0.1 kms)] and partially overhead on SPSC and DPDC (Length: 2.05 kms) from **Block No.B3.1-IS4, B3.1-IS5, B3.1-IS6, B3.1-IS7** of 105.6 MW Solar Power Plant of M/s. Cleanmax Enviro Energy Solutions Private Limited (CEESPL) to 220/33 KV PSS of Salt town Infra private Limited at District-Bikaner, Rajasthan (**Length: 3.19 kms**)

- **BSNL Telecom Details:**

AGM Planning Bikaner O/o GM Bikaner BA, NZ Zone vide letter M-3/ PTCC Meeting/ Bikaner/ 2025 dated 24.09.2025 has issued their NOC.

- **Railway Telecom Details:**

Dy CSTE/Tele NWR/Jaipur Central Railway vide letter SG/158/NWR/PTCC/1224 dated 16.10.2025 has issued their NOC.

- **Defence Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5149 dated 24.11.2025 has issued their NOC.

1. 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 PSS of Salt town Infra private Limited	187	50	0.40	6771	4416	240	112
33KV Solar Block No. B3.1-IS4, B3.1-IS5, B3.1-IS6, B3.1-IS7	21.26	25	0.50	597	388	17	6

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-913-324- B2.1-IS1, B2.1-IS2, B2.1-IS3 & B2.1-IS4

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 33KV **Feeder No. 324**, partially laid underground [3Cx300 sqmm Al cable (Length: 2.625 kms) and 2R 630 sqmm Al cable (Length: 0.1 kms)] and partially overhead on SPSC and DPDC (Length: 2.34 kms) from **Block No. B2.1-IS1, B2.1-IS2, B2.1-IS3, B2.1-IS4** of 105.6 MW Solar Power Plant of M/s. Cleanmax Enviro Energy Solutions Private Limited (CEESPL) to 220/33 KV PSS of Salt town Infra private Limited at District- Bikaner, Rajasthan (Length: **5.07 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]

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|-----|---|---|
| (a) | Name of the Power Supply authority seeking approval | M/s Clean Max Enviro Energy Solutions Private Limited |
| (b) | Reference number & date: | CCPL/PTCC/33KV C/25-26/01 dated 18.09.2025
E-mail dated 24.12.2025 |
| (c) | Name of the Power line | 33KV Feeder No. 324 , partially laid underground [3Cx300 sqmm Al cable (Length: 2.625 kms) and 2R 630 sqmm Al cable (Length: 0.1 kms)] and partially overhead on SPSC and DPDC (Length: 2.34 kms) from Block No.B2.1-IS1, B2.1-IS2, B2.1-IS3, B2.1-IS4 of 105.6 MW Solar Power Plant of M/s. Cleanmax Enviro Energy Solutions Private Limited (CEESPL) to 220/33 KV PSS of Salt town Infra private Limited at District- Bikaner, Rajasthan (Length: 5.07 kms) |
| (d) | Length of Power line: | 5.07 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: 20000 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: 33KV Feeder of M/s. CLEANMAX ENVIRO ENERGY SOLUTIONS PVT. LTD (CEESPL) for 3CX300 SQMM 33 KV Al Cable (length:- 2.625 km) laid Underground from **Block No. B2.1-IS1, B2.1-IS2, B2.1-IS3, B2.1-IS4** to 33 KV SPSC & DPDC (length:- 2.34 Km) Overhead Line on Eco panther conductor and 2R of 630 Sq.mm/phase Al cable (length:- 0.1 Km) overhead line to **feeder no. 324** at 220/33 KV PSS of Salt town Infra private Limited at District- Bikaner, Rajasthan. Having total length is approx. 5.07 kms.

- **BSNL Telecom Details:**

AGM Planning Bikaner O/o GM Bikaner BA, NZ Zone vide letter M-3/ PTCC Meeting/ Bikaner/ 2025 dated 24.09.2025 has issued their NOC.

- **Railway Telecom Details:**

Dy CSTE/Tele NWR/Jaipur Central Railway vide letter SG/158/NWR/PTCC/1224 dated 16.10.2025 has issued their NOC.

- **Defence Telecom Details:**

Additional DG (Telecommunication) vide letter B/46937/Sigs-7(b)/5149 dated 24.11.2025 has issued their NOC.

1. 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 PSS of Salt town Infra private Limited	187	50	0.40	6771	4416	240	112
33KV Solar Block No. B2.1-IS1, B2.1-IS2, B2.1-IS3, B2.1-IS4	21.26	25	0.50	597	388	17	6

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.