



सत्यमेव जयते



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

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

No: As assigned

Date: As assigned

Subject: Certificate of Approval for the Route of Power Lines of M/s Greenko AP01 IREP Pvt. Ltd.

Route Approval Certificate for the following listed lines of M/s Greenko AP01 IREP Pvt. Ltd. is annexed to this letter:

S.No.	Name
1	33 KV line DC from 800V/33 KV IDT-1, IDT-2 & IDT-3 for plot no 4 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 4.0 kms and Cable 2.587 kms)
2	33 KV line DC from 800V/33 KV IDT-4, IDT-5 & IDT-6 for plot no 4 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 4.482 kms and Cable 2.825 kms)
3	33 KV line DC from 800V/33 KV IDT-7, IDT-8 & IDT-9 for plot no 4 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 4.972 kms and Cable 2.91 kms)
4	33 KV line DC from 800V/33 KV IDT-1, & IDT-4 for plot no 6 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 4.5 kms and Cable 1.685 kms)
5	33 KV line DC from 800V/33 KV IDT-2 & IDT-3 for plot no 6 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 3.98 kms and Cable 1.18 kms)
6	33 KV line DC from 800V/33 KV IDT-5, IDT-6 & IDT-7 for plot no 6 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 3.6 kms and Cable 2.41 kms)

7	33 KV line DC from 800V/33 KV IDT-8 & IDT-9 for plot no 6 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 3.7 kms and Cable 1.93 kms)
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Chief Engineer

1.	M/s Greenko AP01 IREP Pvt. Ltd.	2nd Floor, Block D, Plot No. 13,SY. No. 64 Part, Hitech City Layout, Madhapur village, Hyderabad-500081
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CEA Case No.: AND-795**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 line DC from 800V/33 KV IDT-1, IDT-2 & IDT-3 for plot no 4 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 4.0 kms and Cable 2.587 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 Greenko AP01 IREP Pvt. Ltd.
- (b) Reference number & date: Greenko AP01/PTCC/13/2025 Dated 21.07.2025
- (c) Name of the Power line 33 KV line DC from 800V/33 KV IDT-1, IDT-2 & IDT-3 for plot no 4 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 4.0 kms and Cable 2.587 kms)
- (d) Length of Power line: OHL 4.0 kms and Cable 2.587 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 2

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: 250000 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 line DC from 800V/33 KV IDT-1, IDT-2 & IDT-3 for plot no 4 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 4.0 kms and Cable 2.587 kms)

1. BSNL Telecom Details:

DET (PTCC), SZ, BSNL vide letter: SR-PTCC/AND020420260029(AND795)2026-27 dated 02.04.2026 has given their NOC.

2. Railway Telecom Details:

CCE/SC, South Central Railway vide letter SG.85/4/3/PTCC/2025-26/SCRAP 64 RC dated 26.03.2026 has issued their NOC.

3. Defense Telecom Details:

ADG (Telecom) vide letter B/46937/Sigs-7(b)/5214 dated 24.02.2026 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 PSS at Pinnapuram	82.5	25.663	0.54	2576	1676	81	32
33/0.8 kV IDT-1 (Plot -4)	28.28	20.023	2.24	2921	1923	153	99
33/0.8 kV IDT-2 (Plot -4)	28.28	20.023	2.92	3817	2515	208	137
33/0.8 kV IDT-3 (Plot -4)	28.28	20.023	1.27	1644	1078	74	44

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.: AND-796**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 line DC from 800V/33 KV IDT-4, IDT-5 & IDT-6 for plot no 4 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length: OHL 4.482 kms and Cable 2.825 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 Greenko AP01 IREP Pvt. Ltd.
- (b) Reference number & date: Greenko AP01/PTCC/14/2025 Dated 21.07.2025
- (c) Name of the Power line 33 KV line DC from 800V/33 KV IDT-4, IDT-5 & IDT-6 for plot no 4 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 4.482 kms and Cable 2.825 kms)
- (d) Length of Power line: OHL 4.482 kms and Cable 2.825 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 2

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: 250000 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 line DC from 800V/33 KV IDT-4, IDT-5 & IDT-6 for plot no 4 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 4.482 kms and Cable 2.825 kms)

1. BSNL Telecom Details:

DET (PTCC), SZ, BSNL vide letter: SR-PTCC/AND020420260030(AND796)2026-27 dated 02.04.2026 has given their NOC.

2. Railway Telecom Details:

CCE/SC, South Central Railway vide letter SG.85/4/3/PTCC/2025-26/SCRAP 65 RC dated 26.03.2026 has issued their NOC.

3. Defense Telecom Details:

ADG (Telecom) vide letter B/46937/Sigs-7(b)/5207 dated 26.02.2026 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 PSS at Pinnapuram	82.5	25.663	0.54	2576	1676	81	32
33/0.8 kV IDT-4 (Plot -6)	28.28	20.023	2.5124	3280	2160	175	114
33/0.8 kV IDT-5 (Plot -6)	28.28	20.023	0.3134	384	245	NA	NA
33/0.8 kV IDT-6 (Plot -6)	28.28	20.023	0.7088	905	589	29	12

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.: AND-797**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 line DC from 800V/33 KV IDT-7, IDT-8 & IDT-9 for plot no 4 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 4.972 kms and Cable 2.91 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 Greenko AP01 IREP Pvt. Ltd.
- (b) Reference number & date: Greenko AP01/PTCC/15/2025 Dated 21.07.2025
- (c) Name of the Power line 33 KV line DC from 800V/33 KV IDT-7, IDT-8 & IDT-9 for plot no 4 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 4.972 kms and Cable 2.91 kms)
- (d) Length of Power line: OHL 4.972 kms and Cable 2.91 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 2

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: 250000 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 line DC from 800V/33 KV IDT-7, IDT-8 & IDT-9 for plot no 4 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 4.972 kms and Cable 2.91 kms)

1. BSNL Telecom Details:

DET (PTCC), SZ, BSNL vide letter: SR-PTCC/AND020420260031(AND797)2026-27 dated 02.04.2026 has given their NOC.

2. Railway Telecom Details:

CCE/SC, South Central Railway vide letter SG.85/4/3/PTCC/2025-26/SCRAP 66 RC dated 26.03.2026 has issued their NOC.

3. Defense Telecom Details:

ADG (Telecom) vide letter B/46937/Sigs-7(b)/5205 dated 24.02.2026 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 PSS at Pinnapuram	82.5	25.663	0.54	2576	1676	81	32
33/0.8 kV IDT-7 (Plot -4)	28.28	20.023	1.6128	2096	1377	102	63
33/0.8 kV IDT-8 (Plot -4)	28.28	20.023	0.7387	944	615	31	14
33/0.8 kV IDT-9 (Plot -4)	28.28	20.023	3.676	4813	3174	269	180

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.: AND-798**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 line DC from 800V/33 KV IDT-1, & IDT-4 for plot no 6 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 4.5 kms and Cable 1.685 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 Greenko AP01 IREP Pvt. Ltd.
- (b) Reference number & date: Greenko AP01/PTCC/16/2025 Dated 21.07.2025
- (c) Name of the Power line 33 KV line DC from 800V/33 KV IDT-1, & IDT-4 for plot no 6 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 4.5 kms and Cable 1.685 kms)
- (d) Length of Power line: OHL 4.5 kms and Cable 1.685 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 2

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: 250000 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 line DC from 800V/33 KV IDT-1, & IDT-4 for plot no 6 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 4.5 kms and Cable 1.685 kms)

1. BSNL Telecom Details:

DET (PTCC), SZ, BSNL vide letter: SR-PTCC/AND020420260032(AND798)2026-27 dated 02.04.2026 has given their NOC.

2. Railway Telecom Details:

CCE/SC, South Central Railway vide letter SG.85/4/3/PTCC/2025-26/SCRAP 67 RC dated 26.03.2026 has issued their NOC.

3. Defense Telecom Details:

ADG (Telecom) vide letter B/46937/Sigs-7(b)/5206 dated 24.02.2026 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 PSS at Pinnapuram	82.5	25.663	0.54	2576	1676	81	32
33/0.8 kV IDT-1 (Plot -6)	28.28	20.023	0.35	433	277	0	NA
33/0.8 kV IDT-2 (Plot -6)	28.28	20.023	1.327	1719	1128	79	47

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.: AND-799**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 line DC from 800V/33 KV IDT-2 & IDT-3 for plot no 6 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 3.98 kms and Cable 1.18 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 Greenko AP01 IREP Pvt. Ltd.
- (b) Reference number & date: Greenko AP01/PTCC/17/2025 Dated 21.07.2025
- (c) Name of the Power line 33 KV line DC from 800V/33 KV IDT-2 & IDT-3 for plot no 6 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 3.98 kms and Cable 1.18 kms)
- (d) Length of Power line: OHL 3.98 kms and Cable 1.18 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 2

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: 250000 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 line DC from 800V/33 KV IDT-2 & IDT-3 for plot no 6 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 3.98 kms and Cable 1.18 kms)

1. BSNL Telecom Details:

DET (PTCC), SZ, BSNL vide letter: SR-PTCC/AND020420260033(AND799)2026-27 dated 02.04.2026 has given their NOC.

2. Railway Telecom Details:

CCE/SC, South Central Railway vide letter SG.85/4/3/PTCC/2025-26/SCRAP 68 RC dated 26.03.2026 has issued their NOC.

3. Defense Telecom Details:

ADG (Telecom) vide letter B/46937/Sigs-7(b)/5213 dated 24.02.2026 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 PSS at Pinnapuram	82.5	25.663	0.54	2576	1676	81	32
33/0.8 kV IDT-2 (Plot -6)	28.28	20.023	0.31	380	242	NA	NA
33/0.8 kV IDT-3 (Plot -6)	28.28	20.023	0.3367	415	265	NA	NA

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.: AND-800**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 line DC from 800V/33 KV IDT-5, IDT-6 & IDT-7 for plot no 6 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 3.6 kms and Cable 2.41 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

1

- (a) Name of the Power Supply authority seeking approval M/s Greenko AP01 IREP Pvt. Ltd.
- (b) Reference number & date: Greenko AP01/PTCC/18/2025 Dated 21.07.2025
- (c) Name of the Power line 33 KV line DC from 800V/33 KV IDT-5, IDT-6 & IDT-7 for plot no 6 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 3.6 kms and Cable 2.41 kms)
- (d) Length of Power line: OHL 3.6 kms and Cable 2.41 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 2

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: 250000 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 line DC from 800V/33 KV IDT-5, IDT-6 & IDT-7 for plot no 6 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length : OHL 3.6 kms and Cable 2.41 kms)

1. BSNL Telecom Details:

DET (PTCC), SZ, BSNL vide letter: SR-PTCC/AND020420260034(AND800)2026-27 dated 02.04.2026 has given their NOC.

2. Railway Telecom Details:

CCE/SC, South Central Railway vide letter SG.85/4/3/PTCC/2025-26/SCRAP 69 RC dated 26.03.2026 has issued their NOC.

3. Defense Telecom Details:

ADG (Telecom) vide letter B/46937/Sigs-7(b)/5202 dated 24.02.2026 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 PSS at Pinnapuram	82.5	25.663	0.54	2576	1676	81	32
33/0.8 kV IDT-5 (Plot -6)	28.28	20.023	3.7	4844	3195	271	181
33/0.8 kV IDT-6 (Plot -6)	28.28	20.023	0.8	1025	669	36	17
33/0.8 kV IDT-7 (Plot -6)	28.28	20.023	0.599	761	494	20	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.: AND-801**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 line DC from 800V/33 KV IDT-8 & IDT-9 for plot no 6 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length: OHL 3.7 kms and Cable 1.93 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 Greenko AP01 IREP Pvt. Ltd.
- (b) Reference number & date: Greenko AP01/PTCC/19/2025 Dated 21.07.2025
- (c) Name of the Power line 33 KV line DC from 800V/33 KV IDT-8 & IDT-9 for plot no 6 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length: OHL 3.7 kms and Cable 1.93 kms)
- (d) Length of Power line: OHL 3.7 kms and Cable 1.93 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 2

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: 250000 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 line DC from 800V/33 KV IDT-8 & IDT-9 for plot no 6 at Pinnapuram village Nandyal District to 33/400 KV PSS Pinnapuram (Length: OHL 3.7 kms and Cable 1.93 kms)

1. BSNL Telecom Details:

DET (PTCC), SZ, BSNL vide letter: SR-PTCC/AND020420260035(AND801)2026-27 dated 02.04.2026 has given their NOC.

2. Railway Telecom Details:

CCE/SC, South Central Railway vide letter SG.85/4/3/PTCC/2025-26/SCRAP 70 RC dated 26.03.2026 has issued their NOC.

3. Defense Telecom Details:

ADG (Telecom) vide letter B/46937/Sigs-7(b)/5209 dated 24.02.2026 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 PSS at Pinnapuram	82.5	25.663	0.54	2576	1676	81	32
33/0.8 kV IDT-8 (Plot -6)	28.28	20.023	1.1169	1443	945	62	35
33/0.8 kV IDT-9 (Plot -6)	28.28	20.023	0.7433	951	619	32	14

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.