



सत्यमेव जयते



**भारत सरकार**  
**Government of India**  
**विद्युत मंत्रालय**  
**Ministry of Power**  
**केन्द्रीय विद्युत प्राधिकरण**  
**Central Electricity Authority**  
**विद्युत प्रणाली संचार विकास प्रभाग**  
**Power System Communication Development Division**  
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On behalf of  
 Central Level Power & Telecommunication Co-ordination Committee

**No:** As assigned

**Date:** As assigned

**Subject:** Certificate of Approval for the Route of Power Line of Greenko AP01 IREP Pivate Limited.

**Route Approval Certificate** for the following listed lines of Greenko AP01 IREP Pivate Limited is annexed to this letter:

S.No.	Name	Case
1	33 kV D/C line on RSJ poles from 33/0.8 kV IDT-1, IDT-2 & IDT-3 for plot No. 2 at Pinnapuram, Nandyal to 400/33 kV Pooling SS at Pinnapuram, Nandyal (Length: 2.72 kms)	AND 793
2	33 kV D/C line on RSJ poles from 33/0.8 kV IDT-4 & IDT-5 for plot No. 2 at Pinnapuram, Nandyal to 400/33 kV Pooling SS at Pinnapuram, Nandyal (Length: 2.5 kms)	AND 794

Chief Engineer

1.	Greenko AP01 IREP Pivate Limited	Second Floor, Block D, Plot No. 13, SY No. 64, Hitech City Layout, Madhapur Village, Hyderabad – 500 081
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**CEA Case No.: AND 793****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 D/C line on RSJ poles from 33/0.8 kV IDT-1, IDT-2 & IDT-3 for plot No. 2 at Pinnapuram, Nandyal to 400/33 kV Pooling SS at Pinnapuram, Nandyal (Length: 2.72 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 | Greenko AP01 IREP Pprivate Limited  |
| (b) | Reference number & date:                            | Greenko AP01/PTCC/11/2025 dated 21.07.2025  |
| (c) | Name of the Power line                              | 33 kV D/C line on RSJ poles from 33/0.8 kV IDT-1, IDT-2 & IDT-3 for plot No. 2 at Pinnapuram, Nandyal to 400/33 kV Pooling SS at Pinnapuram, Nandyal (Length: 2.72 kms) |
| (d) | Length of Power line:                               | 2.72 kms  |
| (e) | Operating Voltage                                   | 33 kV   |
| (f) | Number of circuits                                  | S/C   |

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:                      | 50000 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 D/C line on RSJ poles from 33/0.8 kV IDT-1, IDT-2 & IDT-3 for plot No. 2 at Pinnapuram, Nandyal to 400/33 kV Pooling SS at Pinnapuram, Nandyal (Length: 2.72 kms)

### 1. BSNL Telecom Details:

DET (PTCC), South Zone, BSNL vide letter No. SR-PTCC/AND300120260015 AND-793)/2025-26 dated 31.01.2026 has informed that there is no telecom lines/ cable or assets exists in the corridor of the power line.

### 2. Railway Telecom Details:

Principal Chief Signal & Telecom Engineer , South Central Railway vide letter No.SG.85/4/3/PTCC/2025-26/SCRAP 35 RC dated 09-12-2025 has given NOC for charging of the line

### 3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5199 dated 24.02.2026 has accorded NOC for charging of the line

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
33/400 kV Pooling Substation located at Pinnapuram village, Nandyal Dist. Andhra Pradesh	28.28	20.024	3.8	4976	3282	279	187
800V/33kV IDT for plot no.2 Pinnapuram village, Nandyal Dist. Andhra Pradesh.	82.52	25.663	0.54	2577	1677	81	32

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 794****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 D/C line on RSJ poles from 33/0.8 kV IDT-4 & IDT-5 for plot No. 2 at Pinnapuram, Nandyal to 400/33 kV Pooling SS at Pinnapuram, Nandyal (Length: 2.5 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 Greenko AP01 IREP Pprivate Limited seeking approval
- (b) Reference number & date: Greenko AP01/PTCC/12/2025 dated 18.03.2025
- (c) Name of the Power line 33 kV D/C line on RSJ poles from 33/0.8 kV IDT-4 & IDT-5 for plot No. 2 at Pinnapuram, Nandyal to 400/33 kV Pooling SS at Pinnapuram, Nandyal (Length: 2.5 kms)
- (d) Length of Power line: 2.5 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

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: 50000 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 D/C line on RSJ poles from 33/0.8 kV IDT-4 & IDT-5 for plot No. 2 at Pinnapuram, Nandyal to 400/33 kV Pooling SS at Pinnapuram, Nandyal (Length: 2.5 kms)

**1. BSNL Telecom Details:**

DET (PTCC), South Zone, BSNL vide letter No. SR-PTCC/AND300120260016 AND-793)/2025-26 dated 31.01.2026 has informed that there is no telecom lines/ cable or assets exists in the corridor of the power line.

**2. Railway Telecom Details:**

Principal Chief Signal & Telecom Engineer, South Central Railway vide letter No.SG.85/4/3/PTCC/2025-26/SCRAP 36 RC dated 09-12-2025 has given NOC for charging of the line

**3. Defense Telecom Details:**

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5201 dated 24.02.2026 has accorded NOC for charging of the line

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
33/400 kV Pooling Substation located at Pinnapuram village, Nandyal Dist. Andhra Pradesh	28.28	20.024	3.8	4976	3282	279	187
800V/33kV IDT for plot no.2 Pinnapuram village, Nandyal Dist. Andhra Pradesh.	82.52	25.663	0.54	2577	1677	81	32

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.