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 Line of M/s Enren-II Energy Private Limited.

Route Approval Certificate for the following listed lines of M/s Enren-II Energy Private Limited is annexed to this letter:

S.No.	Name
1	33kV S/C above ground cable using 1Rx1Cx630 Square mm from 9 Panel Board Type-I Block No. 03 to Harmonic Filter-1 (0.942 km) and Auxiliary transformer using 1Rx3Cx300 Square mm cable (0.207 km) at 200 MW Solar PV Plant of M/s Enren-II Energy Private Limited at Khavda, Gujarat. (Length: 1.149 kms)
2	33kV S/C above ground cable using 1Rx1Cx630 Square mm from 9 Panel Board Type-I Block No. 06 to Harmonic filter-2 (0.957 km) and Auxiliary transformer using 1Rx3Cx300 Square mm cable (0.207 km) at 200 MW Solar PV Plant of M/s Enren-II Energy Private Limited at Khavda, Gujarat. (Length: 1.164 kms)
3	33kV S/C above ground cable using 1Rx1Cx630 Square mm from 8Panel Board Type-2 Block No. 09 to Harmonic filter-3 at 200 MW Solar PV Plant of M/s Enren-II Energy Private Limited at Khavda, Gujarat. (Length: 0.972 kms)
4	33kV S/C above ground cable using 1Rx1Cx630 Square mm from 8Panel Board Type-2 Block No. 12 to Harmonic filter-4 at 200 MW Solar PV Plant of M/s Enren-II Energy Private Limited at Khavda, Gujarat. (Length: 0.957 kms)

Chief Engineer

Digitally signed by
Suman Kumar Maharana
Date: 11-02-2026
11:13:13

1.	M/s Enren-II Energy Private Limited	ENGIE, Unit No. 3, 4, 5, Sixth Floor, Fountainhead Tower-2, Viman Nagar, Pune- 411014

CEA Case No.: GUJ-1019-M

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 S/C above ground cable using 1Rx1Cx630 Square mm from 9 Panel Board Type-I Block No. 03 to Harmonic Filter-1 (0.942 km) and Auxiliary transformer using 1Rx3Cx300 Square mm cable (0.207 km) at 200 MW Solar PV Plant of M/s Enren-II Energy Private Limited at Khavda, Gujarat. (Length: 1.149 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 Enren-II Energy Private Limited
(b)	Reference number & date:	ENREN/200MW/GSECL/25-26/41 dated 28.08.2025 E-mail dated 12.01.2026 E-mail dated 28.01.2026
(c)	Name of the Power line	33kV S/C above ground cable using 1Rx1Cx630 Square mm from 9 Panel Board Type-I Block No. 03 to Harmonic Filter-1 (0.942 km) and Auxiliary transformer using 1Rx3Cx300 Square mm cable (0.207 km) at 200 MW Solar PV Plant of M/s Enren-II Energy Private Limited at Khavda, Gujarat. (Length: 1.149 kms)
(d)	Length of Power line:	1.149 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:	5000 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 S/C above ground cable using 1Rx1Cx630 Square mm from 9 Panel Board Type-I Block No. 03 to Harmonic Filter-1 (0.942 km) and Auxiliary transformer using 1Rx3Cx300 Square mm cable (0.207 km) at 200 MW Solar PV Plant of M/s Enren-II Energy Private Limited at Khavda, Gujarat. (Length: 1.149 kms)

1. **BSNL Telecom Details:**
   DET (PTCC), WZ Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3120 dated 22.10.2025 has issued their NOC

2. **Railway Telecom Details:**
   GM (S&T). Western Railway vide letter SG.158/28/12/1594 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   ADG (Telecom), MoD, vide letter N. B/46937/Sigs-7(b)/5045 dated 19.12.2025 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
GSECL 33/400 kV North Block Pooling Substation	83.5	63000	0.004	NA	NA	NA	NA
MCR	75	19600	0.003	NA	NA	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.: GUJ-1019-N
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 S/C above ground cable using 1Rx1Cx630 Square mm from 9 Panel Board Type-I Block No. 06 to Harmonic filter-2 (0.957 km) and Auxiliary transformer using 1Rx3Cx300 Square mm cable (0.207 km) at 200 MW Solar PV Plant of M/s Enren-II Energy Private Limited at Khavda, Gujarat. (Length: 1.164 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 Enren-II Energy Private Limited
(b)	Reference number & date:	ENREN/200MW/GSECL/25-26/41 dated 28.08.2025 E-mail dated 12.01.2026 E-mail dated 28.01.2026
(c)	Name of the Power line	33kV S/C above ground cable using 1Rx1Cx630 Square mm from 9 Panel Board Type-I Block No. 06 to Harmonic filter-2 (0.957 km) and Auxiliary transformer using 1Rx3Cx300 Square mm cable (0.207 km) at 200 MW Solar PV Plant of M/s Enren-II Energy Private Limited at Khavda, Gujarat. (Length: 1.164 kms)
(d)	Length of Power line:	1.164 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:	5000 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 S/C above ground cable using 1Rx1Cx630 Square mm from 9 Panel Board Type-I Block No. 06 to Harmonic filter-2 (0.957 km) and Auxiliary transformer using 1Rx3Cx300 Square mm cable (0.207 km) at 200 MW Solar PV Plant of M/s Enren-II Energy Private Limited at Khavda, Gujarat. (Length: 1.164 kms)

1. **BSNL Telecom Details:**
   DET (PTCC), WZ Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3120 dated 22.10.2025 has issued their NOC

2. **Railway Telecom Details:**
   GM (S&T). Western Railway vide letter SG.158/28/12/1594 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   ADG (Telecom), MoD, vide letter N. B/46937/Sigs-7(b)/5045 dated 19.12.2025 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
GSECL 33/400 kV North Block Pooling Substation	83.5	63000	0.004	NA	NA	NA	NA
MCR	75	19600	0.003	NA	NA	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.: GUJ-1019-O
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 S/C above ground cable using 1Rx1Cx630 Square mm from 8Panel Board Type-2 Block No. 09 to Harmonic filter-3 at 200 MW Solar PV Plant of M/s Enren-II Energy Private Limited at Khavda, Gujarat. (Length: 0.972 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 Enren-II Energy Private Limited
(b)	Reference number & date:	ENREN/200MW/GSECL/25-26/41 dated 28.08.2025 E-mail dated 12.01.2026 E-mail dated 28.01.2026
(c)	Name of the Power line	33kV S/C above ground cable using 1Rx1Cx630 Square mm from 8Panel Board Type-2 Block No. 09 to Harmonic filter-3 at 200 MW Solar PV Plant of M/s Enren-II Energy Private Limited at Khavda, Gujarat. (Length: 0.972 kms)
(d)	Length of Power line:	0.972 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:	5000 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 S/C above ground cable using 1Rx1Cx630 Square mm from 8 Panel Board Type-2 Block No. 09 to Harmonic filter-3 at 200 MW Solar PV Plant of M/s Enren-II Energy Private Limited at Khavda, Gujarat. (Length: 0.972 kms)

1. **BSNL Telecom Details:**
   DET (PTCC), WZ Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3120 dated 22.10.2025 has issued their NOC

2. **Railway Telecom Details:**
   GM (S&T). Western Railway vide letter SG.158/28/12/1594 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   ADG (Telecom), MoD, vide letter N. B/46937/Sigs-7(b)/5045 dated 19.12.2025 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
GSECL 33/400 kV North Block Pooling Substation	83.5	63000	0.004	NA	NA	NA	NA
MCR	75	19600	0.003	NA	NA	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.: GUJ-1019-P

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 S/C above ground cable using 1Rx1Cx630 Square mm from 8Panel Board Type-2 Block No. 12 to Harmonic filter-4 at 200 MW Solar PV Plant of M/s Enren-II Energy Private Limited at Khavda, Gujarat. (Length: 0.957 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 Enren-II Energy Private Limited
(b)	Reference number & date:	ENREN/200MW/GSECL/25-26/41 dated 28.08.2025 E-mail dated 12.01.2026 E-mail dated 28.01.2026
(c)	Name of the Power line	33kV S/C above ground cable using 1Rx1Cx630 Square mm from 8Panel Board Type-2 Block No. 12 to Harmonic filter-4 at 200 MW Solar PV Plant of M/s Enren-II Energy Private Limited at Khavda, Gujarat. (Length: 0.957 kms)
(d)	Length of Power line:	0.957 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:	5000 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: 33kV S/C above ground cable using 1Rx1Cx630 Square mm from 8Panel Board Type-2 Block No. 12 to Harmonic filter-4 at 200 MW Solar PV Plant of M/s Enren-II Energy Private Limited at Khavda, Gujarat. (Length: 0.957 kms)

1. **BSNL Telecom Details:**
   DET (PTCC), WZ Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3120 dated 22.10.2025 has issued their NOC

2. **Railway Telecom Details:**
   GM (S&T). Western Railway vide letter SG.158/28/12/1594 dated 12.09.2025 has issued their NOC.

3. **Defense Telecom Details:**
   ADG (Telecom), MoD, vide letter N. B/46937/Sigs-7(b)/5045 dated 19.12.2025 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
GSECL 33/400 kV North Block Pooling Substation	83.5	63000	0.004	NA	NA	NA	NA
MCR	75	19600	0.003	NA	NA	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.