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: Provisional Certificate of Approval for the Route of Power Line of M/s Adani Green Energy Twenty Four Limited

Provisional Route Approval Certificate having a validity of **60 days** from the date of issuance for the following listed lines of M/s Adani Green Energy Twenty Four Limited is annexed to this letter:

S. No	Name
1.	33 KV XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 309** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 4 & 9 to Feeder number 309 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 5.506 kms).
2.	33 KV XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 115** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 7 & 12 to Feeder number 115 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 4.798 kms).
3.	33 KV XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 215** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 10 & 11 to Feeder number 215 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 6.797 kms).
4.	33 KV XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 214** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 6 & 8 to Feeder number 214 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 5.997 kms).

5.	33 KV XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 109** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 3 & 5 to Feeder number 109 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 5.155 kms).
6.	33 KV XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 307** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 1 & 2 to Feeder number 307 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 3.595 kms).

Digitally signed by
Suman Kumar Maharana
Date: 31-12-2025
16:53:09
Chief Engineer

1.	Senior Manger	M/s Adani Green Energy Twenty Four Limited, Adani Shanti Gram, Ahmedabad, Gujarat

CEA Case No.: **GUJ-1063-Feeder-309**

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 33 KV XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 309** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 4 & 9 to Feeder number 309 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 5.506 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 Adani Green Energy Twenty Four Limited
(b)	Reference number & date:	Khavda/PSS-10/AGE24L/PTCC-33kV UG/01, Dated-01.11.2025
(c)	Name of the Power line	33 KV XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 309** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 4 & 9 to Feeder number 309 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 5.506 kms).
(d)	Length of Power line:	5.506 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:	20,000 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, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 309** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 4 & 9 to Feeder number 309 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 5.506 kms).

1. **Railway Telecom Details:**
   GM (S&T), Western Railway vide letter SG.158/28/12/1702 dated 05.12.2025 has issued their 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
400/33 kV PSS-10 of M/s Adani Green Energy Twenty Four Limited, Khavda RE park	121.64	63	0.3	5225	3415	207	108
33 kV Inverter PSS	13.4	25	0.3	220	141	1	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-1063-Feeder No-115

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 33 KV XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 115** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 7 & 12 to Feeder number 115 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 4.798 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 Adani Green Energy Twenty Four Limited
(b)	Reference number & date:	Khavda/PSS-10/AGE24L/PTCC-33kV UG/01, Dated-01.11.2025
(c)	Name of the Power line	33 KV XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 115** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 7 & 12 to Feeder number 115 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 4.798 kms).
(d)	Length of Power line:	4.798 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:	20,000 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, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 115** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 7 & 12 to Feeder number 115 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 4.798 kms).

1. **Railway Telecom Details:**

GM (S&T), Western Railway vide letter SG.158/28/12/1702 dated 05.12.2025 has issued their 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
400/33 kV PSS-10 of M/s Adani Green Energy Twenty Four Limited, Khavda RE park	121.64	63	0.3	5225	3415	207	108
33 kV Inverter PSS	13.4	25	0.3	220	141	1	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-1063-Feeder No- 215

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 33 KV XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 215** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 10 & 11 to Feeder number 215 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 6.797 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 Adani Green Energy Twenty Four Limited
(b)	Reference number & date:	Khavda/PSS-10/AGE24L/PTCC-33kV UG/01, Dated-01.11.2025
(c)	Name of the Power line	33 KV XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 215** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 10 & 11 to Feeder number 215 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 6.797 kms).
(d)	Length of Power line:	6.797 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:	20,000 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, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 215** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 10 & 11 to Feeder number 215 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 6.797 kms).

1. **Railway Telecom Details:**

GM (S&T), Western Railway vide letter SG.158/28/12/1702 dated 05.12.2025 has issued their 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
400/33 kV PSS-10 of M/s Adani Green Energy Twenty Four Limited, Khavda RE park	121.64	63	0.3	5225	3415	207	108
33 kV Inverter PSS	13.4	25	0.3	220	141	1	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-1063-Feeder No-214**

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 33 KV XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 214** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 6 & 8 to Feeder number 214 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 5.997 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 Adani Green Energy Twenty Four Limited
(b)	Reference number & date:	Khavda/PSS-10/AGE24L/PTCC-33kV UG/01, Dated-01.11.2025
(c)	Name of the Power line	33 KV XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 214** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 6 & 8 to Feeder number 214 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 5.997 kms).
(d)	Length of Power line:	5.997 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:	20,000 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, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 214** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 6 & 8 to Feeder number 214 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 5.997 kms).

1. **Railway Telecom Details:**

GM (S&T), Western Railway vide letter SG.158/28/12/1702 dated 05.12.2025 has issued their 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
400/33 kV PSS-10 of M/s Adani Green Energy Twenty Four Limited, Khavda RE park	121.64	63	0.3	5225	3415	207	108
33 kV Inverter PSS	13.4	25	0.3	220	141	1	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-1063-Feeder No-109

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 33 KV XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed Feeder No - 109 including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 3 & 5 to Feeder number 109 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 5.155 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 Adani Green Energy Twenty Four Limited
(b)	Reference number & date:	Khavda/PSS-10/AGE24L/PTCC-33kV UG/01, Dated-01.11.2025
(c)	Name of the Power line	33 KV XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 109** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 3 & 5 to Feeder number 109 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 5.155 kms).
(d)	Length of Power line:	5.155 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:	20,000 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, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 109** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 3 & 5 to Feeder number 109 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 5.155 kms).

1. **Railway Telecom Details:**

GM (S&T), Western Railway vide letter SG.158/28/12/1702 dated 05.12.2025 has issued their 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
400/33 kV PSS-10 of M/s Adani Green Energy Twenty Four Limited, Khavda RE park	121.64	63	0.3	5225	3415	207	108
33 kV Inverter PSS	13.4	25	0.3	220	141	1	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-1063-Feeder- 307**

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 33 KV XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 307** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 1 & 2 to Feeder number 307 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 3.595 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 Adani Green Energy Twenty Four Limited
(b)	Reference number & date:	Khavda/PSS-10/AGE24L/PTCC-33kV UG/01, Dated-01.11.2025
(c)	Name of the Power line	33 KV XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 307** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 1 & 2 to Feeder number 307 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 3.595 kms).
(d)	Length of Power line:	3.595 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
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:	20,000 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 XLPE, Al, Ar, U/G cable (2RX3CX300 Sq.mm) from proposed **Feeder No - 307** including Inverter Duty Transformer (2 nos. of 800V/33 KV, 12.5 MVA) from Solar Block 1 & 2 to Feeder number 307 at SRPL PSS-10 33/400 kV, Solar Power Project of M/s Adani Green Energy Twenty Four Limited in Village-Khavda, District-Kachchh (Line Length Approx. 3.595 kms).

1. **Railway Telecom Details:**

GM (S&T), Western Railway vide letter SG.158/28/12/1702 dated 05.12.2025 has issued their 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
400/33 kV PSS-10 of M/s Adani Green Energy Twenty Four Limited, Khavda RE park	121.64	63	0.3	5225	3415	207	108
33 kV Inverter PSS	13.4	25	0.3	220	141	1	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.