



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 Gujarat Industries Power Company Ltd.

Route Approval Certificate for the following listed lines of M/s Gujarat Industries Power Company Ltd. is annexed to this letter:

S.No.	Name
1	33KV above ground cable from ICOG- 2 (17.6 MVA, ICR Block-2) to 400/33kV PSS-2 (Connecting at Feeder No. TL-16) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 4.338 km)
2	33KV above ground cable from ICOG- 01 (17.6 MVA, ICR Block-1) to 400/33kV PSS-2 (Connecting at Feeder No. TL-15) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.942 km)
3	33KV above ground cable from Switchboard-7 (35.2 MVA, ICR Block-3 & 7) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-27) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.845 km)
4	33KV above ground cable from ICOG-4 (17.6 MVA, ICR Block-4) to 400/33kV PSS-2 (Connecting at Feeder No. TL-25) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.(Length: 4.2 km)
5	33KV above ground cable from ICOG-5 (17.6 MVA, ICR Block-5) to 400/33kV PSS-2 (Connecting at Feeder No. TL-17) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.(Length: 3.803 km)

6	33KV above ground cable from ICOG- 06 (17.6 MVA, ICR Block-6) to 400/33kV PSS-2 (Connecting at Feeder No. TL-26) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.310 km)
7	33KV above ground cable from ICOG- 08 (17.6 MVA, ICR Block-8) to 400/33kV PSS-2 (Connecting at Feeder No. TL-24) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.771 km)
8	33KV above ground cable from Switchboard-10 (35.2 MVA, ICR Block-9 & 10) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-18) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.468 km)
9	33KV above ground cable from ICOG- 11 (17.6 MVA, ICR Block-11) to 400/33kV PSS-2 (Connecting at Feeder No. TL-14) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.636 km)
10	33KV above ground cable from ICOG- 12 (17.6 MVA, ICR Block-12) to 400/33kV PSS-2 (Connecting at Feeder No. TL-23) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.504 km)
11	33KV above ground cable from ICOG- 13 (17.6 MVA, ICR Block-13) to 400/33kV PSS-2 (Connecting at Feeder No. TL-20) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.113 km)
12	33KV above ground cable from Switchboard-15 (35.2 MVA, ICR Block-14 & 15) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-19) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.811 km)
13	33KV above ground cable from Switchboard-18 (35.2 MVA, ICR Block-16 & 18) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-23) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.493 km)
14	33KV above ground cable from ICOG- 17 (17.6 MVA, ICR Block-17) to 400/33kV PSS-2 (Connecting at Feeder No. TL-22) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.798 km)
15	33KV above ground cable using from Switchboard-19 (17.6 MVA, ICR Block-19, Aux Transformer & Harmonic Filter) to 400/33 kV PSS-2 (Connecting at Feeder No.TL-21) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.18 km)
16	33KV above ground cable using from Switchboard-20 (17.6 MVA, ICR Block-20, Aux Transformer & Harmonic Filter) to 400/33 kV PSS-2 (Connecting at Feeder No.TL-13) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.051 km)
17	33KV above ground cable from ICOG- 21 (17.6 MVA, ICR Block-21) to 400/33kV PSS-2 (Connecting at Feeder No. TL-41) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.238 km)
18	33KV above ground cable from Switchboard-23 (35.2 MVA, ICR Block-22 & 23) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-20) of the

	500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.503 km)
19	33KV above ground cable from ICOG- 24 (17.6 MVA, ICR Block-24) to 400/33kV PSS-2 (Connecting at Feeder No. TL-39) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.190 km)
20	33KV above ground cable from ICOG- 25 (17.6 MVA, ICR Block-25) to 400/33kV PSS-2 (Connecting at Feeder No. TL-38) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.835 km)
21	33KV above ground cable from ICOG- 26 (17.6 MVA, ICR Block-26) to 400/33kV PSS-2 (Connecting at Feeder No. TL-40) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.432 km)
22	33KV above ground cable using from Switchboard-27 (17.6 MVA, ICR Block-27, Aux Transformer & Harmonic Filter) to 400/33 kV PSS-2 (Connecting at Feeder No.TL-31) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.389 km)
23	33KV above ground cable from ICOG- 28 (17.6 MVA, ICR Block-28) to 400/33kV PSS-2 (Connecting at Feeder No. TL-34) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 0.877 km)
24	33KV above ground cable using from Switchboard-29 (17.6 MVA, ICR Block-29, Aux Transformer & Harmonic Filter) to 400/33 kV PSS-2 (Connecting at Feeder No.TL-35) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.785 km)
25	33KV above ground cable from Switchboard-31 (35.2 MVA, ICR Block-30 & 31) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-32) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.114 km)
26	33KV above ground cable from ICOG- 32 (17.6 MVA, ICR Block-32) to 400/33kV PSS-2 (Connecting at Feeder No. TL-36) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.332 km)
27	33KV above ground cable from ICOG- 33 (17.6 MVA, ICR Block-33) to 400/33kV PSS-2 (Connecting at Feeder No. TL-37) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.426 km)
28	33KV above ground cable from ICOG- 34 (17.6 MVA, ICR Block-34) to 400/33kV PSS-2 (Connecting at Feeder No. TL-33) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.776 km)

Chief Engineer

1.	M/s Gujarat Industries Power Company Ltd.	P. O. Ranoli Dist - Vadodara-391350, Gujarat
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CEA Case No.: GUJ 1073 - 1

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 above ground cable from ICOG- 2 (17.6 MVA, ICR Block-2) to 400/33kV PSS-2 (Connecting at Feeder No. TL-16) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 4.338 km)** 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 | M/s Gujarat Industries Power Company Ltd. |
| (b) | Reference number & date: | GIPCL/PTCC/500MW/WR/01 dated 04.12.2025 |
| (c) | Name of the Power line | 33KV above ground cable from ICOG- 2 (17.6 MVA, ICR Block-2) to 400/33kV PSS-2 (Connecting at Feeder No. TL-16) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 4.338 km) |
| (d) | Length of Power line: | 4.338 km |
| (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: | 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 above ground cable from ICOG- 2 (17.6 MVA, ICR Block-2) to 400/33kV PSS-2 (Connecting at Feeder No. TL-16) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 4.338 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 2

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 above ground cable from ICOG- 01 (17.6 MVA, ICR Block-1) to 400/33kV PSS-2 (Connecting at Feeder No. TL-15) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.942 km)** particulars of which are given in Annexure IVI.

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

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|-----|---|---|
| (a) | Name of the Power Supply authority seeking approval | M/s Gujarat Industries Power Company Ltd. |
| (b) | Reference number & date: | GIPCL/PTCC/500MW/WR/01 dated
04.12.2025 |
| (c) | Name of the Power line | 33KV above ground cable from ICOG- 01 (17.6 MVA, ICR Block-1) to 400/33kV PSS-2 (Connecting at Feeder No. TL-15) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.942 km) |
| (d) | Length of Power line: | 3.942 km |
| (e) | Operating Voltage | 33 kV |
| (f) | Number of circuits | S/C |

2

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|-----|--|--------------------|
| (a) | Names of parallel telecom lines: | As per Annexure-IV |
| (b) | Length of parallelism: | As per Annexure-IV |
| 3 | Average value of earth resistivity in the region: | 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 above ground cable from ICOG- 01 (17.6 MVA, ICR Block-1) to 400/33kV PSS-2 (Connecting at Feeder No. TL-15) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.942 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 3

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 above ground cable from Switchboard-7 (35.2 MVA, ICR Block-3 & 7) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-27) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.845 km)** particulars of which are given in Annexure V.

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

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

Annexure V

1

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|-----|---|---|
| (a) | Name of the Power Supply authority seeking approval | M/s Gujarat Industries Power Company Ltd. |
| (b) | Reference number & date: | GIPCL/PTCC/500MW/WR/01 dated 04.12.2025 |
| (c) | Name of the Power line | 33KV above ground cable from Switchboard-7 (35.2 MVA, ICR Block-3 & 7) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-27) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.845 km) |
| (d) | Length of Power line: | 3.845 km |
| (e) | Operating Voltage | 33 kV |
| (f) | Number of circuits | S/C |

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 above ground cable from Switchboard-7 (35.2 MVA, ICR Block-3 & 7) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-27) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.845 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 4

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 above ground cable from ICOG-4 (17.6 MVA, ICR Block-4) to 400/33kV PSS-2 (Connecting at Feeder No. TL-25) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.(Length: 4.2 km)** 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 Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from ICOG-4 (17.6 MVA, ICR Block-4) to 400/33kV PSS-2 (Connecting at Feeder No. TL-25) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.(Length: 4.2 km)
- (d) Length of Power line: 4.2 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

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 above ground cable from ICOG-4 (17.6 MVA, ICR Block-4) to 400/33kV PSS-2 (Connecting at Feeder No. TL-25) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.(Length: 4.2 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 5

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 above ground cable from ICOG-5 (17.6 MVA, ICR Block-5) to 400/33kV PSS-2 (Connecting at Feeder No. TL-17) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.(Length: 3.803 km)** 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 Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from ICOG-5 (17.6 MVA, ICR Block-5) to 400/33kV PSS-2 (Connecting at Feeder No. TL-17) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.(Length: 3.803 km)
- (d) Length of Power line: 3.803 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

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: 5000 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: 33KV above ground cable from ICOG-5 (17.6 MVA, ICR Block-5) to 400/33kV PSS-2 (Connecting at Feeder No. TL-17) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.(Length: 3.803 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 6

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 above ground cable from ICOG- 06 (17.6 MVA, ICR Block-6) to 400/33kV PSS-2 (Connecting at Feeder No. TL-26) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.310 km)** 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 Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from ICOG- 06 (17.6 MVA, ICR Block-6) to 400/33kV PSS-2 (Connecting at Feeder No. TL-26) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.310 km)
- (d) Length of Power line: 3.310 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

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: 5000 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: 33KV above ground cable from ICOG- 06 (17.6 MVA, ICR Block-6) to 400/33kV PSS-2 (Connecting at Feeder No. TL-26) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.310 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 7

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 above ground cable from ICOG- 08 (17.6 MVA, ICR Block-8) to 400/33kV PSS-2 (Connecting at Feeder No. TL-24) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.771 km)** 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 Gujarat Industries Power Company Ltd. |
| (b) | Reference number & date: | GIPCL/PTCC/500MW/WR/01 dated
04.12.2025 |
| (c) | Name of the Power line | 33KV above ground cable from ICOG- 08 (17.6 MVA, ICR Block-8) to 400/33kV PSS-2 (Connecting at Feeder No. TL-24) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.771 km) |
| (d) | Length of Power line: | 3.771 km |
| (e) | Operating Voltage | 33 kV |
| (f) | Number of circuits | S/C |

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: | 5000 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: 33KV above ground cable from ICOG- 08 (17.6 MVA, ICR Block-8) to 400/33kV PSS-2 (Connecting at Feeder No. TL-24) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.771 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 8

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 above ground cable from Switchboard-10 (35.2 MVA, ICR Block-9 & 10) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-18) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.468 km)** particulars of which are given in Annexure XV.

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 XVI.

Annexure XV

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from Switchboard-10 (35.2 MVA, ICR Block-9 & 10) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-18) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.468 km)
- (d) Length of Power line: 3.468 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-XVI
- (b) Length of parallelism: As per Annexure-XVI

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-XVI

Annexure XVI

Name of the Power Line: 33KV above ground cable from Switchboard-10 (35.2 MVA, ICR Block-9 & 10) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-18) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.468 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 9

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 above ground cable from ICOG- 11 (17.6 MVA, ICR Block-11) to 400/33kV PSS-2 (Connecting at Feeder No. TL-14) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.636 km)** particulars of which are given in Annexure XVII.

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 XVIII.

Annexure XVII

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from ICOG- 11 (17.6 MVA, ICR Block-11) to 400/33kV PSS-2 (Connecting at Feeder No. TL-14) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.636 km)
- (d) Length of Power line: 2.636 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-XVIII
- (b) Length of parallelism: As per Annexure-XVIII
- 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-XVIII

Annexure XVIII

Name of the Power Line: 33KV above ground cable from ICOG- 11 (17.6 MVA, ICR Block-11) to 400/33kV PSS-2 (Connecting at Feeder No. TL-14) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.636 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 10

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 above ground cable from ICOG- 12 (17.6 MVA, ICR Block-12) to 400/33kV PSS-2 (Connecting at Feeder No. TL-23) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.504 km)** particulars of which are given in Annexure XIX.

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 XX.

Annexure XIX

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from ICOG- 12 (17.6 MVA, ICR Block-12) to 400/33kV PSS-2 (Connecting at Feeder No. TL-23) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.504 km)
- (d) Length of Power line: 3.504 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-XX
- (b) Length of parallelism: As per Annexure-XX

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-XX

Annexure XX

Name of the Power Line: 33KV above ground cable from ICOG- 12 (17.6 MVA, ICR Block-12) to 400/33kV PSS-2 (Connecting at Feeder No. TL-23) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.504 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 11

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 above ground cable from ICOG- 13 (17.6 MVA, ICR Block-13) to 400/33kV PSS-2 (Connecting at Feeder No. TL-20) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.113 km)** particulars of which are given in Annexure XXI.

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 XXII.

Annexure XXI

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from ICOG- 13 (17.6 MVA, ICR Block-13) to 400/33kV PSS-2 (Connecting at Feeder No. TL-20) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.113 km)
- (d) Length of Power line: 3.113 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-XXII
- (b) Length of parallelism: As per Annexure-XXII
- 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-XXII

Annexure XXII

Name of the Power Line: 33KV above ground cable from ICOG- 13 (17.6 MVA, ICR Block-13) to 400/33kV PSS-2 (Connecting at Feeder No. TL-20) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 3.113 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 12

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 above ground cable from Switchboard-15 (35.2 MVA, ICR Block-14 & 15) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-19) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.811 km)** particulars of which are given in Annexure XXIII.

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 XXIV.

Annexure XXIII

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from Switchboard-15 (35.2 MVA, ICR Block-14 & 15) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-19) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.811 km)
- (d) Length of Power line: 2.811 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-XXIV
- (b) Length of parallelism: As per Annexure-XXIV

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-XXIV

Annexure XXIV

Name of the Power Line: 33KV above ground cable from Switchboard-15 (35.2 MVA, ICR Block-14 & 15) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-19) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.811 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 13

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 above ground cable from Switchboard-18 (35.2 MVA, ICR Block-16 & 18) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-23) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.493 km)** particulars of which are given in Annexure XXV.

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 XXVI.

Annexure XXV

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from Switchboard-18 (35.2 MVA, ICR Block-16 & 18) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-23) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.493 km)
- (d) Length of Power line: 2.493 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-XXVI
- (b) Length of parallelism: As per Annexure-XXVI

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-XXVI

Annexure XXVI

Name of the Power Line: 33KV above ground cable from Switchboard-18 (35.2 MVA, ICR Block-16 & 18) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-23) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.493 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 14

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 above ground cable from ICOG- 17 (17.6 MVA, ICR Block-17) to 400/33kV PSS-2 (Connecting at Feeder No. TL-22) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.798 km)** particulars of which are given in Annexure XXVII.

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 XXVIII.

Annexure XXVII

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from ICOG- 17 (17.6 MVA, ICR Block-17) to 400/33kV PSS-2 (Connecting at Feeder No. TL-22) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.798 km)
- (d) Length of Power line: 1.798 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-XXVIII
- (b) Length of parallelism: As per Annexure-XXVIII
- 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-XXVIII

Annexure XXVIII

Name of the Power Line: 33KV above ground cable from ICOG- 17 (17.6 MVA, ICR Block-17) to 400/33kV PSS-2 (Connecting at Feeder No. TL-22) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.798 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 15

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 above ground cable using from Switchboard-19 (17.6 MVA, ICR Block-19, Aux Transformer & Harmonic Filter) to 400/33 kV PSS-2 (Connecting at Feeder No.TL-21) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.18 km)** particulars of which are given in Annexure XXIX.

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 XXX.

Annexure XXIX

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable using from Switchboard-19 (17.6 MVA, ICR Block-19, Aux Transformer & Harmonic Filter) to 400/33 kV PSS-2 (Connecting at Feeder No.TL-21) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.18 km)
- (d) Length of Power line: 2.18 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-XXX
- (b) Length of parallelism: As per Annexure-XXX
- 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-XXX

Annexure XXX

Name of the Power Line: 33KV above ground cable using from Switchboard-19 (17.6 MVA, ICR Block-19, Aux Transformer & Harmonic Filter) to 400/33 kV PSS-2 (Connecting at Feeder No.TL-21) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.18 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 16

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 above ground cable using from Switchboard-20 (17.6 MVA, ICR Block-20, Aux Transformer & Harmonic Filter) to 400/33 kV PSS-2 (Connecting at Feeder No.TL-13) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.051 km)** particulars of which are given in Annexure XXXI.

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 XXXII.

Annexure XXXI

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable using from Switchboard-20 (17.6 MVA, ICR Block-20, Aux Transformer & Harmonic Filter) to 400/33 kV PSS-2 (Connecting at Feeder No.TL-13) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.051 km)
- (d) Length of Power line: 2.051 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-XXXII
- (b) Length of parallelism: As per Annexure-XXXII
- 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-XXXII

Annexure XXXII

Name of the Power Line: 33KV above ground cable using from Switchboard-20 (17.6 MVA, ICR Block-20, Aux Transformer & Harmonic Filter) to 400/33 kV PSS-2 (Connecting at Feeder No.TL-13) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.051 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 17

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 above ground cable from ICOG- 21 (17.6 MVA, ICR Block-21) to 400/33kV PSS-2 (Connecting at Feeder No. TL-41) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.238 km)** particulars of which are given in Annexure XXXIII.

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 XXXIV.

Annexure XXXIII

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from ICOG- 21 (17.6 MVA, ICR Block-21) to 400/33kV PSS-2 (Connecting at Feeder No. TL-41) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.238 km)
- (d) Length of Power line: 2.238 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-XXXIV
- (b) Length of parallelism: As per Annexure-XXXIV
- 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-XXXIV

Annexure XXXIV

Name of the Power Line: 33KV above ground cable from ICOG- 21 (17.6 MVA, ICR Block-21) to 400/33kV PSS-2 (Connecting at Feeder No. TL-41) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.238 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 18

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 above ground cable from Switchboard-23 (35.2 MVA, ICR Block-22 & 23) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-20) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.503 km)** particulars of which are given in Annexure XXXV.

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 XXXVI.

Annexure XXXV

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from Switchboard-23 (35.2 MVA, ICR Block-22 & 23) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-20) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.503 km)
- (d) Length of Power line: 2.503 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-XXXVI
- (b) Length of parallelism: As per Annexure-XXXVI

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-XXXVI

Annexure XXXVI

Name of the Power Line: 33KV above ground cable from Switchboard-23 (35.2 MVA, ICR Block-22 & 23) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-20) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.503 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 19

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 above ground cable from ICOG- 24 (17.6 MVA, ICR Block-24) to 400/33kV PSS-2 (Connecting at Feeder No. TL-39) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.190 km)** particulars of which are given in Annexure XXXVII.

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 XXXVIII.

Annexure XXXVII

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from ICOG- 24 (17.6 MVA, ICR Block-24) to 400/33kV PSS-2 (Connecting at Feeder No. TL-39) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.190 km)
- (d) Length of Power line: 2.190 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-XXXVIII
- (b) Length of parallelism: As per Annexure-XXXVIII

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-XXXVIII

Annexure XXXVIII

Name of the Power Line: 33KV above ground cable from ICOG- 24 (17.6 MVA, ICR Block-24) to 400/33kV PSS-2 (Connecting at Feeder No. TL-39) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.190 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 20**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 above ground cable from ICOG- 25 (17.6 MVA, ICR Block-25) to 400/33kV PSS-2 (Connecting at Feeder No. TL-38) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.835 km)** particulars of which are given in Annexure XXXIX.

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 XL.

Annexure XXXIX

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from ICOG- 25 (17.6 MVA, ICR Block-25) to 400/33kV PSS-2 (Connecting at Feeder No. TL-38) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.835 km)
- (d) Length of Power line: 1.835 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-XL
- (b) Length of parallelism: As per Annexure-XL
- 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-XL

Annexure XL

Name of the Power Line: 33KV above ground cable from ICOG- 25 (17.6 MVA, ICR Block-25) to 400/33kV PSS-2 (Connecting at Feeder No. TL-38) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.835 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 21

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 above ground cable from ICOG- 26 (17.6 MVA, ICR Block-26) to 400/33kV PSS-2 (Connecting at Feeder No. TL-40) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.432 km)** particulars of which are given in Annexure XLI.

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 XLII.

Annexure XLI

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from ICOG- 26 (17.6 MVA, ICR Block-26) to 400/33kV PSS-2 (Connecting at Feeder No. TL-40) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.432 km)
- (d) Length of Power line: 1.432 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-XLII
- (b) Length of parallelism: As per Annexure-XLII
- 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-XLII

Annexure XLII

Name of the Power Line: 33KV above ground cable from ICOG- 26 (17.6 MVA, ICR Block-26) to 400/33kV PSS-2 (Connecting at Feeder No. TL-40) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.432 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 22

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 above ground cable using from Switchboard-27 (17.6 MVA, ICR Block-27, Aux Transformer & Harmonic Filter) to 400/33 kV PSS-2 (Connecting at Feeder No.TL-31) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.389 km)** particulars of which are given in Annexure XLIII.

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 XLIV.

Annexure XLIII

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable using from Switchboard-27 (17.6 MVA, ICR Block-27, Aux Transformer & Harmonic Filter) to 400/33 kV PSS-2 (Connecting at Feeder No.TL-31) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.389 km)
- (d) Length of Power line: 1.389 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-XLIV
- (b) Length of parallelism: As per Annexure-XLIV
- 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-XLIV

Annexure XLIV

Name of the Power Line: 33KV above ground cable using from Switchboard-27 (17.6 MVA, ICR Block-27, Aux Transformer & Harmonic Filter) to 400/33 kV PSS-2 (Connecting at Feeder No.TL-31) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.389 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 23

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 above ground cable from ICOG- 28 (17.6 MVA, ICR Block-28) to 400/33kV PSS-2 (Connecting at Feeder No. TL-34) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 0.877 km)** particulars of which are given in Annexure XLV.

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 XLVI.

Annexure XLV

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from ICOG- 28 (17.6 MVA, ICR Block-28) to 400/33kV PSS-2 (Connecting at Feeder No. TL-34) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 0.877 km)
- (d) Length of Power line: 0.877 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-XLVI
- (b) Length of parallelism: As per Annexure-XLVI

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-XLVI

Annexure XLVI

Name of the Power Line: 33KV above ground cable from ICOG- 28 (17.6 MVA, ICR Block-28) to 400/33kV PSS-2 (Connecting at Feeder No. TL-34) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 0.877 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 24

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 above ground cable using from Switchboard-29 (17.6 MVA, ICR Block-29, Aux Transformer & Harmonic Filter) to 400/33 kV PSS-2 (Connecting at Feeder No.TL-35) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.785 km)** particulars of which are given in Annexure XLVII.

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 XLVIII.

Annexure XLVII

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable using from Switchboard-29 (17.6 MVA, ICR Block-29, Aux Transformer & Harmonic Filter) to 400/33 kV PSS-2 (Connecting at Feeder No.TL-35) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.785 km)
- (d) Length of Power line: 1.785 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-XLVIII
- (b) Length of parallelism: As per Annexure-XLVIII
- 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-XLVIII

Annexure XLVIII

Name of the Power Line: 33KV above ground cable using from Switchboard-29 (17.6 MVA, ICR Block-29, Aux Transformer & Harmonic Filter) to 400/33 kV PSS-2 (Connecting at Feeder No.TL-35) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.785 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 25

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 above ground cable from Switchboard-31 (35.2 MVA, ICR Block-30 & 31) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-32) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.114 km)** particulars of which are given in Annexure XLIX.

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 L.

Annexure XLIX

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from Switchboard-31 (35.2 MVA, ICR Block-30 & 31) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-32) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.114 km)
- (d) Length of Power line: 2.114 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-L
- (b) Length of parallelism: As per Annexure-L

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-L

Annexure L

Name of the Power Line: 33KV above ground cable from Switchboard-31 (35.2 MVA, ICR Block-30 & 31) to 400/33 kV PSS-2 (Connecting at Feeder No. TL-32) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 2.114 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 26

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 above ground cable from ICOG- 32 (17.6 MVA, ICR Block-32) to 400/33kV PSS-2 (Connecting at Feeder No. TL-36) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.332 km)** particulars of which are given in Annexure LI.

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 LII.

Annexure LI

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from ICOG- 32 (17.6 MVA, ICR Block-32) to 400/33kV PSS-2 (Connecting at Feeder No. TL-36) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.332 km)
- (d) Length of Power line: 1.332 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-LII
- (b) Length of parallelism: As per Annexure-LII
- 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-LII

Annexure LII

Name of the Power Line: 33KV above ground cable from ICOG- 32 (17.6 MVA, ICR Block-32) to 400/33kV PSS-2 (Connecting at Feeder No. TL-36) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.332 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 27

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 above ground cable from ICOG- 33 (17.6 MVA, ICR Block-33) to 400/33kV PSS-2 (Connecting at Feeder No. TL-37) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.426 km)** particulars of which are given in Annexure LIII.

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 LIV.

Annexure LIII

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from ICOG- 33 (17.6 MVA, ICR Block-33) to 400/33kV PSS-2 (Connecting at Feeder No. TL-37) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.426 km)
- (d) Length of Power line: 1.426 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-LIV
- (b) Length of parallelism: As per Annexure-LIV

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-LIV

Annexure LIV

Name of the Power Line: 33KV above ground cable from ICOG- 33 (17.6 MVA, ICR Block-33) to 400/33kV PSS-2 (Connecting at Feeder No. TL-37) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.426 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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 1073 - 28

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 above ground cable from ICOG- 34 (17.6 MVA, ICR Block-34) to 400/33kV PSS-2 (Connecting at Feeder No. TL-33) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.776 km)** particulars of which are given in Annexure LV.

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 LVI.

Annexure LV

1

- (a) Name of the Power Supply authority seeking approval M/s Gujarat Industries Power Company Ltd.
- (b) Reference number & date: GIPCL/PTCC/500MW/WR/01 dated 04.12.2025
- (c) Name of the Power line 33KV above ground cable from ICOG- 34 (17.6 MVA, ICR Block-34) to 400/33kV PSS-2 (Connecting at Feeder No. TL-33) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.776 km)
- (d) Length of Power line: 1.776 km
- (e) Operating Voltage 33 kV
- (f) Number of circuits S/C

2

- (a) Names of parallel telecom lines: As per Annexure-LVI
- (b) Length of parallelism: As per Annexure-LVI

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-LVI

Annexure LVI

Name of the Power Line: 33KV above ground cable from ICOG- 34 (17.6 MVA, ICR Block-34) to 400/33kV PSS-2 (Connecting at Feeder No. TL-33) of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat. (Length: 1.776 km)

1. BSNL Telecom Details:

DET(PTCC), West Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3171 dated 16.12.2024 has given NOC for charging of the line

2. Railway Telecom Details:

General Manager (S&T) , Western Railway vide letter SG.158/28/12/1720 dated 12.02.2026 has given NOC for charging of the line

3. Defense Telecom Details:

ADG(Telecom) , Ministry of Defence vide letter B/46937/Sigs-7(b)/5446 dated 04.02.2026 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
400/33kV PSS-2 of the 500 MW Solar PV Plant of M/s. Gujarat Industries Power Company Limited (GIPCL) located near village - Khavda, Tal: Bhuj, Dist.: Kutchh, Gujarat.	122.5	28	0.005	N.A	N.A	N.A	N.A
ICR	25	1.2	0.04	N.A	N.A	N.A	N.A

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.