



सत्यमेव जयते



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

**No:** As assigned

**Date:** As assigned

**Subject:** Provisional Certificate of Approval for the Route of Power Line of M/s NTPC Renewable Energy Limited.

**Provisional Route Approval Certificate** for the following listed lines of M/s NTPC Renewable Energy Limited is annexed to this letter:

S.No.	Case No.	Name
1	GUJ-1107	33 kV D/C Feeder-2 from 220/33 kV Vanki PSS to wind turbine USS Tapping point 07 (BH-218 to PSS) (Length: 15.6 kms)
2	GUJ-1108	33 kV D/C Feeder-4 from 220/33 kV Vanki PSS to wind turbine USS Tapping point 07 (BH-271 to PSS) (Length: 12.0 kms)
3	GUJ-1109	33 kV D/C Feeder-5 from 220/33 kV Vanki PSS to wind turbine USS Tapping point 09 (TAL-05 to PSS) (Length: 39.0 kms)

Chief Engineer

To,

1.	M/s NTPC Renewable Energy Limited	E-3, Main Market Road, Ecotech-II, Udyog Vihar, Greater Noida, Gautam Buddha Nagar, Uttar Pradesh - 201 306
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**CEA Case No.: GUJ-1107**

Provisional Approval for the Route of Extra High Tension (EHT)/ High Tension (HT) Power Line / Telecommunication Line

**Provisional Approval** of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed having a validity of 60 days from the date of issuance for **33 kV D/C Feeder-2 from 220/33 kV Vanki PSS to wind turbine USS Tapping point 07 (BH-218 to PSS) (Length: 15.6 kms)** particulars of which are given in Annexure I.

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

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

**Annexure I**

1

- (a) Name of the Power Supply authority seeking approval M/s NTPC Renewable Energy Limited
- (b) Reference number & date: NTPC/PSCD/PTCC/33kV/2025-26/F-2  
dated 09.01.2026  
E-mail dated 06.04.2026
- (c) Name of the Power line 33 kV D/C Feeder-2 from 220/33 kV Vanki PSS to wind turbine USS Tapping point 07 (BH-218 to PSS) (Length: 15.6 kms)
- (d) Length of Power line: 15.6 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

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

3 Average value of earth resistivity in the region: 10000 ohm-cms

4 Whether LF test necessary: No

5 Special conditions subject to which this certificate will be effective As per Annexure-II

## Annexure II

**Name of the Power Line:** 33 kV D/C Feeder-2 from 220/33 kV Vanki PSS to wind turbine USS  
Tapping point 07 (BH-218 to PSS) (Length: 15.6 kms)

### 1. BSNL Telecom Details:

DET (PTCC), Western Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3221 dated 20.02.2026 has given their NOC for charging of the line.

### 2. Railway Telecom Details:

GM (S&T), Western Railway vide letter SG.158/28/12/1737 dated 27.01.2026 has given their NOC for charging of the line.

### 3. 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
220/33 kV PSS Vanki	226	50	0.12	2927	1860	N.A	N.A
33 kV USS	20	18	0.083	49	26	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- 1108**

Provisional Approval for the Route of Extra High Tension (EHT)/ High Tension (HT) Power Line / Telecommunication Line

**Provisional Approval** of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed having a validity of 60 days from the date of issuance for **33 kV D/C Feeder-4 from 220/33 kV Vanki PSS to wind turbine USS Tapping point 07 (BH-271 to PSS) (Length: 12.0 kms)** particulars of which are given in Annexure III.

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

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

**Annexure III**

1

- (a) Name of the Power Supply authority seeking approval M/s NTPC Renewable Energy Limited
- (b) Reference number & date: NTPC/PSCD/PTCC/33kV/2025-26/F-4  
dated 10.01.2026  
E-mail dated 06.04.2026
- (c) Name of the Power line 33 kV D/C Feeder-4 from 220/33 kV Vanki PSS to wind turbine USS Tapping point 07 (BH-271 to PSS) (Length: 12.0 kms)
- (d) Length of Power line: 12.0 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

- (a) Names of parallel telecom lines: As per Annexure-IV
- (b) Length of parallelism: As per Annexure-IV
- 3 Average value of earth resistivity in the region: 10000 ohm-cms
- 4 Whether LF test necessary: No
- 5 Special conditions subject to which this certificate will be effective As per Annexure-IV

## Annexure IV

**Name of the Power Line:** 33 kV D/C Feeder-4 from 220/33 kV Vanki PSS to wind turbine USS  
Tapping point 07 (BH-271 to PSS) (Length: 12.0 kms)

### 1. BSNL Telecom Details:

DET (PTCC), Western Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3222 dated 20.02.2026 has given their NOC for charging of the line.

### 2. Railway Telecom Details:

GM (S&T), Western Railway vide letter SG.158/28/12/1751 dated 09.02.2026 has given their NOC for charging of the line.

### 3. 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
220/33 kV PSS Vanki	226	50	0.12	2927	1860	N.A	N.A
33 kV USS	20	18	0.083	49	26	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-1109**

Provisional Approval for the Route of Extra High Tension (EHT)/ High Tension (HT) Power Line / Telecommunication Line

**Provisional Approval** of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed having a validity of 60 days from the date of issuance for **33 kV D/C Feeder-5 from 220/33 kV Vanki PSS to wind turbine USS Tapping point 09 (TAL-05 to PSS) (Length: 39.0 kms)** particulars of which are given in Annexure V.

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

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

**Annexure V**

1

- (a) Name of the Power Supply authority seeking approval M/s NTPC Renewable Energy Limited
- (b) Reference number & date: NTPC/PSCD/PTCC/33kV/2025-26/F-5  
dated 10.01.2026  
E-mail dated 06.04.2026
- (c) Name of the Power line 33 kV D/C Feeder-5 from 220/33 kV Vanki PSS to wind turbine USS Tapping point 09 (TAL-05 to PSS) (Length: 39.0 kms)
- (d) Length of Power line: 39.0 kms
- (e) Operating Voltage 33 kV
- (f) Number of circuits 1

2

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

3 Average value of earth resistivity in the region: 10000 ohm-cms

4 Whether LF test necessary: No

5 Special conditions subject to which this certificate will be effective As per Annexure-VI

## Annexure VI

**Name of the Power Line:** 33 kV D/C Feeder-5 from 220/33 kV Vanki PSS to wind turbine USS Tapping point 09 (TAL-05 to PSS) (Length: 39.0 kms)

### 1. BSNL Telecom Details:

DET (PTCC), Western Zone, BSNL vide letter IC/MBI/PTCC/Offline/GUJ-3223 dated 20.02.2026 has given their NOC for charging of the line.

### 2. Railway Telecom Details:

GM (S&T), Western Railway vide letter SG.158/28/12/1738 dated 27.01.2026 has given their NOC for charging of the line.

### 3. 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
220/33 kV PSS Vanki	226	50	0.12	2927	1860	N.A	N.A
33 kV USS	20	18	0.083	49	26	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.