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 Transition Energy Services Private Limited.

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

S.No.	Name
1	33KV Feeder of M/s. Transition Energy Services Private Limited for 1R & 2R of 3CX240 SQMM 33KV XLPE, Al Cable laid underground from ICR Block No. 11,13 to 33 KV Feeder no. I/C 9 at 220/33 KV PSS of Prerak Greentech Private Limited at Village Kawni, District- Bikaner, Rajasthan (Length: - 0.893 kms).
2	33KV Feeder of M/s. Transition Energy Services Private Limited for 1R of 3CX240 & 3CX300 SQMM 33KV XLPE, Al Cable laid underground from ICR Block No. 12 to 33 KV Feeder No. I/C 10 at 220/33 KV PSS of Prerak Greentech Private Limited at Village Kawni, District- Bikaner, Rajasthan (Length: - 0.729 kms).
3	33KV Feeder of M/s. Transition Energy Services Private Limited for 1R of 3CX240 & 3CX300 SQMM 33KV XLPE, Al Cable laid underground from ICR Block No. 14 to 33KV Feeder No. I/C 11 at 220 /33 KV PSS of Prerak Greentech Private Limited at Village Kawni, District- Bikaner, Rajasthan (Length: - 0.764 kms).
4	33KV Feeder of M/s. Transition Energy Services Private Limited for 1R & 2R of 3CX240 SQMM 33KV XLPE, Al Cable laid underground from ICR Block

CEA Case No.: RAJ - 951 - 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 Feeder of M/s. Transition Energy Services Private Limited for 1R & 2R of 3CX240 SQMM 33KV XLPE, Al Cable laid underground from ICR Block No. 11,13 to 33 KV Feeder no. I/C 9 at 220/33 KV PSS of Prerak Greentech Private Limited at Village Kawni, District- Bikaner, Rajasthan (Length: - 0.893 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 Transition Energy Services Private Limited
(b)	Reference number & date:	TESPL/PTCC/33kV/25-26 dated 25.11.2025
(c)	Name of the Power line	33KV Feeder of M/s. Transition Energy Services Private Limited for 1R & 2R of 3CX240 SQMM 33KV XLPE, Al Cable laid underground from ICR Block No. 11,13 to 33 KV Feeder no. I/C 9 at 220/33 KV PSS of Prerak Greentech Private Limited at Village Kawni, District- Bikaner, Rajasthan (Length: - 0.893 kms).
(d)	Length of Power line:	0.893 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	S/c
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	20000 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 Feeder of M/s. Transition Energy Services Private Limited for 1R & 2R of 3CX240 SQMM 33KV XLPE, Al Cable laid underground from ICR Block No. 11,13 to 33 KV Feeder no. I/C 9 at 220/33 KV PSS of Prerak Greentech Private Limited at Village Kawni, District- Bikaner, Rajasthan (Length: - 0.893 kms).

1. **BSNL Telecom Details:**
   AGM (Planning), BSNL, Bikaner vide letter M-3/PTCC Meeting/Bikaner/2025 dated 24.12.2025 has stated non-existence of any BSNL metallic and armoured OFC cable within the periphery of 5 km of the proposed route. Thus, BSNL letter is taken as deemed NOC.

2. **Railway Telecom Details:**
   Dy CSTE (Telecom), North Western Railway vide letter SG/158/NWR/PTCC/1276 dated 16.01.2026 has given their NOC for charging of the line.

3. **Defense Telecom Details:**
   ADG (Telecommunication), Ministry fo Defense vide letter B/46937/Sigs-7(b)/5402 dated 20.02.2026 has given their NOC for charging of the line

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33 kV S/S for the Solar Block	16.67	25	0.5	468	304	13	4

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.: RAJ - 951 - 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 Feeder of M/s. Transition Energy Services Private Limited for 1R of 3CX240 & 3CX300 SQMM 33KV XLPE, Al Cable laid underground from ICR Block No. 12 to 33 KV Feeder No. I/C 10 at 220/33 KV PSS of Prerak Greentech Private Limited at Village Kawni, District- Bikaner, Rajasthan (Length: - 0.729 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 Transition Energy Services Private Limited
(b)	Reference number & date:	TESPL/PTCC/33kV/25-26 dated 25.11.2025
(c)	Name of the Power line	33KV Feeder of M/s. Transition Energy Services Private Limited for 1R of 3CX240 & 3CX300 SQMM 33KV XLPE, Al Cable laid underground from ICR Block No. 12 to 33 KV Feeder No. I/C 10 at 220/33 KV PSS of Prerak Greentech Private Limited at Village Kawni, District- Bikaner, Rajasthan (Length: - 0.729 kms).
(d)	Length of Power line:	0.729 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	S/c
2		
(a)	Names of parallel telecom lines:	As per Annexure-IV
(b)	Length of parallelism:	As per Annexure-IV
3	Average value of earth resistivity in the region:	20000 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 Feeder of M/s. Transition Energy Services Private Limited for 1R of 3CX240 & 3CX300 SQMM 33KV XLPE, Al Cable laid underground from ICR Block No. 12 to 33 KV Feeder No. I/C 10 at 220/33 KV PSS of Prerak Greentech Private Limited at Village Kawni, District- Bikaner, Rajasthan (Length: - 0.729 kms).

1. **BSNL Telecom Details:**
   AGM (Planning), BSNL, Bikaner vide letter M-3/PTCC Meeting/Bikaner/2025 dated 24.12.2025 has stated non-existence of any BSNL metallic and armoured OFC cable within the periphery of 5 km of the proposed route. Thus, BSNL letter is taken as deemed NOC.

2. **Railway Telecom Details:**
   Dy CSTE (Telecom), North Western Railway vide letter SG/158/NWR/PTCC/1276 dated 16.01.2026 has given their NOC for charging of the line.

3. **Defense Telecom Details:**
   ADG (Telecommunication), Ministry fo Defense vide letter B/46937/Sigs-7(b)/5402 dated 20.02.2026 has given their NOC for charging of the line

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33 kV S/S for the Solar Block	16.67	25	0.5	468	304	13	4

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.: RAJ - 951 - 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 Feeder of M/s. Transition Energy Services Private Limited for 1R of 3CX240 & 3CX300 SQMM 33KV XLPE, Al Cable laid underground from ICR Block No. 14 to 33KV Feeder No. I/C 11 at 220 /33 KV PSS of Prerak Greentech Private Limited at Village Kawni, District- Bikaner, Rajasthan (Length: - 0.764 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 Transition Energy Services Private Limited
(b)	Reference number & date:	TESPL/PTCC/33kV/25-26 dated 25.11.2025
(c)	Name of the Power line	33KV Feeder of M/s. Transition Energy Services Private Limited for 1R of 3CX240 & 3CX300 SQMM 33KV XLPE, Al Cable laid underground from ICR Block No. 14 to 33KV Feeder No. I/C 11 at 220 /33 KV PSS of Prerak Greentech Private Limited at Village Kawni, District- Bikaner, Rajasthan (Length: - 0.764 kms).
(d)	Length of Power line:	0.764 kms
(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:	20000 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 Feeder of M/s. Transition Energy Services Private Limited for 1R of 3CX240 & 3CX300 SQMM 33KV XLPE, Al Cable laid underground from ICR Block No. 14 to 33KV Feeder No. I/C 11 at 220 /33 KV PSS of Prerak Greentech Private Limited at Village Kawni, District- Bikaner, Rajasthan (Length: - 0.764 kms).

1. **BSNL Telecom Details:**
   AGM (Planning), BSNL, Bikaner vide letter M-3/PTCC Meeting/Bikaner/2025 dated 24.12.2025 has stated non-existence of any BSNL metallic and armoured OFC cable within the periphery of 5 km of the proposed route. Thus, BSNL letter is taken as deemed NOC.

2. **Railway Telecom Details:**
   Dy CSTE (Telecom), North Western Railway vide letter SG/158/NWR/PTCC/1276 dated 16.01.2026 has given their NOC for charging of the line.

3. **Defense Telecom Details:**
   ADG (Telecommunication), Ministry fo Defense vide letter B/46937/Sigs-7(b)/5402 dated 20.02.2026 has given their NOC for charging of the line

4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33 kV S/S for the Solar Block	16.67	25	0.5	468	304	13	4

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.: RAJ - 951 - 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 Feeder of M/s. Transition Energy Services Private Limited for 1R & 2R of 3CX240 SQMM 33KV XLPE, Al Cable laid underground from ICR Block No. 15,16 to 33 KV Feeder No. I/C 12 at 220 /33 KV PSS of Prerak Greentech Private Limited at Village Kawni, District- Bikaner, Rajasthan (Length: - 2.178 kms).** particulars of which are given in Annexure VII.

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

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.
6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
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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 Transition Energy Services Private Limited
(b)	Reference number & date:	TESPL/PTCC/33kV/25-26 dated 25.11.2025
(c)	Name of the Power line	33KV Feeder of M/s. Transition Energy Services Private Limited for 1R & 2R of 3CX240 SQMM 33KV XLPE, Al Cable laid underground from ICR Block No. 15,16 to 33 KV Feeder No. I/C 12 at 220 /33 KV PSS of Prerak Greentech Private Limited at Village Kawni, District- Bikaner, Rajasthan (Length: - 2.178 kms).
(d)	Length of Power line:	2.178 kms
(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:	20000 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 Feeder of M/s. Transition Energy Services Private Limited for 1R & 2R of 3CX240 SQMM 33KV XLPE, Al Cable laid underground from ICR Block No. 15,16 to 33 KV Feeder No. I/C 12 at 220 /33 KV PSS of Prerak Greentech Private Limited at Village Kawni, District- Bikaner, Rajasthan (Length: - 2.178 kms).

1. **BSNL Telecom Details:**
   AGM (Planning), BSNL, Bikaner vide letter M-3/PTCC Meeting/Bikaner/2025 dated 24.12.2025 has stated non-existence of any BSNL metallic and armoured OFC cable within the periphery of 5 km of the proposed route. Thus, BSNL letter is taken as deemed NOC.

2. **Railway Telecom Details:**
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4. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33 kV S/S for the Solar Block	16.67	25	0.5	468	304	13	4

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.