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: Provisional Certificate of Approval for the Route of Power Line of Energizent Power Private Limited.

Provisional Route Approval Certificate for the following listed lines of Energizent Power Private Limited is annexed to this letter:

S.No.	Name
1	33 kV Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village- Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan from ICR-34 to Panel-02 F-8 to 33/220kV PSS. (Length-1145 MTR)
2	33 kV Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village- Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan from ICR-18 to Panel-01 F-8 to 33/220kV PSS. (Length-880 MTR)
3	33 kV Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village- Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan from ICR-12,13,14 to Panel-01 F-6 to 33/220kV PSS. (Length-8860 MTR)
4	33 kV Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village- Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan from ICR-15,16,17 to Panel-01 F-5 to 33/220kV PSS. (Length-16480 MTR)
5	33 kV Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village- Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan from ICR-19,20,21 to Panel-02 F-4 to 33/220kV PSS. (Length-12770 MTR)
6	33 kV Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village- Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan from ICR-22,23,24 to Panel-02 F-3 to 33/220kV PSS. (Length-18130 MTR)

Digitally signed by
Suman Kumar Maharana
Date: 27-03-2026
15:33:24

Chief Engineer

To,

1.	Energizent Power Private Limited	JSW Centre, Bandra Kundra Comlex, Mumbai

CEA Case No.: RAJ-1026 A

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 Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village- Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan From ICR F-4 to 33/220kV PSS. (Length-1145 MTR)** 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	Energizent Power Private Limited
(b)	Reference number & date:	O2Power/PTCC/19022026 Dated: 19.02.2026 EEPL/CEA/25032026 Dated: 25.03.2026
(c)	Name of the Power line	33 kV Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village-Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan From ICR F-4 to 33/220kV PSS. (Length-1145 MTR)
(d)	Length of Power line:	
(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 Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village- Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan From ICR F-4 to 33/220kV PSS. (Length-1145 MTR)

1. **BSNL Telecom Details:**
   AGM (CFA), Jaipur vide Letter No: RJCO-18/16(13)/3/2020-CFA/19012 dated: 16.03.2026 has mentioned the non-existence of BSNL's Block&Telecom details within the 5 km boundary of proposed Transmission Line and hence BNSL's NOC is considered.

2. **Railway Telecom Details:**
   North Western Railway vide Letter No: SG/158/NWR/PTCC/1389 Dated: 24.03.2026 has issued their NOC for charging of Transmission 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 kV PSS	91	30	0.45	2766	1799	84	32
33 kV Switchyard	12	25	0.00223	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.: RAJ-1026 B

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 Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village- Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan From ICR F-5 to 33/220kV PSS. (Length-880 MTR)** 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	Energizent Power Private Limited
(b)	Reference number & date:	O2Power/PTCC/19022026 Dated: 19.02.2026 EEPL/CEA/25032026 Dated: 25.03.2026
(c)	Name of the Power line	33 kV Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village-Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan From ICR F-5 to 33/220kV PSS. (Length-880 MTR)
(d)	Length of Power line:	
(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 Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village- Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan From ICR F-5 to 33/220kV PSS. (Length-880 MTR)

1. **BSNL Telecom Details:**
   AGM (CFA), Jaipur vide Letter No: RJCO-18/16(13)/3/2020-CFA/19012 dated: 16.03.2026 has mentioned the non-existence of BSNL's Block&Telecom details within the 5 km boundary of proposed Transmission Line and hence BNSL's NOC is considered.

2. **Railway Telecom Details:**
   North Western Railway vide Letter No: SG/158/NWR/PTCC/1389 Dated: 24.03.2026 has issued their NOC for charging of Transmission 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 kV PSS	91	30	0.45	2766	1799	84	32
33 kV Switchyard	12	25	0.00223	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.: RAJ-1026 C

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 Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village- Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan From ICR F-6 to 33/220kV PSS. (Length-8860 MTR)** 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	Energizent Power Private Limited
(b)	Reference number & date:	O2Power/PTCC/19022026 Dated: 19.02.2026 EEPL/CEA/25032026 Dated: 25.03.2026
(c)	Name of the Power line	33 kV Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village-Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan From ICR F-6 to 33/220kV PSS. (Length-8860 MTR)
(d)	Length of Power line:	
(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 Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village- Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan From ICR F-6 to 33/220kV PSS. (Length-8860 MTR)

1. **BSNL Telecom Details:**
   AGM (CFA), Jaipur vide Letter No: RJCO-18/16(13)/3/2020-CFA/19012 dated: 16.03.2026 has mentioned the non-existence of BSNL's Block&Telecom details within the 5 km boundary of proposed Transmission Line and hence BNSL's NOC is considered.

2. **Railway Telecom Details:**
   North Western Railway vide Letter No: SG/158/NWR/PTCC/1389 Dated: 24.03.2026 has issued their NOC for charging of Transmission 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 kV PSS	91	30	0.45	2766	1799	84	32
33 kV Switchyard	12	25	0.00223	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.: RAJ-1026 D

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 Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village- Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan From ICR F-7 to 33/220kV PSS. (Length-16480 MTR)** 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	Energizent Power Private Limited
(b)	Reference number & date:	O2Power/PTCC/19022026 Dated: 19.02.2026 EEPL/CEA/25032026 Dated: 25.03.2026
(c)	Name of the Power line	33 kV Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village-Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan From ICR F-7 to 33/220kV PSS. (Length-16480 MTR)
(d)	Length of Power line:	
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-VIII
(b)	Length of parallelism:	As per Annexure-VIII
3	Average value of earth resistivity in the region:	10000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-VIII

Annexure VIII

Name of the Power Line: 33 kV Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village- Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan From ICR F-7 to 33/220kV PSS. (Length-16480 MTR)

1. **BSNL Telecom Details:**
   AGM (CFA), Jaipur vide Letter No: RJCO-18/16(13)/3/2020-CFA/19012 dated: 16.03.2026 has mentioned the non-existence of BSNL's Block&Telecom details within the 5 km boundary of proposed Transmission Line and hence BNSL's NOC is considered.

2. **Railway Telecom Details:**
   North Western Railway vide Letter No: SG/158/NWR/PTCC/1389 Dated: 24.03.2026 has issued their NOC for charging of Transmission 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 kV PSS	91	30	0.45	2766	1799	84	32
33 kV Switchyard	12	25	0.00223	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.: RAJ-1026 E

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 Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village- Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan From ICR F-8 to 33/220kV PSS. (Length-12770 MTR)** 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	Energizent Power Private Limited
(b)	Reference number & date:	O2Power/PTCC/19022026 Dated: 19.02.2026 EEPL/CEA/25032026 Dated: 25.03.2026
(c)	Name of the Power line	33 kV Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village-Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan From ICR F-8 to 33/220kV PSS. (Length-12770 MTR)
(d)	Length of Power line:	
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-X
(b)	Length of parallelism:	As per Annexure-X
3	Average value of earth resistivity in the region:	10000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-X

Annexure X

Name of the Power Line: 33 kV Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village- Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan From ICR F-8 to 33/220kV PSS. (Length-12770 MTR)

1. **BSNL Telecom Details:**
   AGM (CFA), Jaipur vide Letter No: RJCO-18/16(13)/3/2020-CFA/19012 dated: 16.03.2026 has mentioned the non-existence of BSNL's Block&Telecom details within the 5 km boundary of proposed Transmission Line and hence BNSL's NOC is considered.

2. **Railway Telecom Details:**
   North Western Railway vide Letter No: SG/158/NWR/PTCC/1389 Dated: 24.03.2026 has issued their NOC for charging of Transmission 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 kV PSS	91	30	0.45	2766	1799	84	32
33 kV Switchyard	12	25	0.00223	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.: RAJ-1026 - F

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 Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village- Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan From ICR F-9 to 33/220kV PSS. (Length-18130 MTR)** 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	Energizent Power Private Limited
(b)	Reference number & date:	O2Power/PTCC/19022026 Dated: 19.02.2026 EEPL/CEA/25032026 Dated: 25.03.2026
(c)	Name of the Power line	33 kV Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village-Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan From ICR F-9 to 33/220kV PSS. (Length-18130 MTR)
(d)	Length of Power line:	
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-XII
(b)	Length of parallelism:	As per Annexure-XII
3	Average value of earth resistivity in the region:	10000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-XII

Annexure XII

Name of the Power Line: 33 kV Underground Cable Line for 300 MW ac, Solar project developed by 250MW Energizent Power Private Limited at Village- Harbha, Tehsil Fatehgarh, District Jaisalmer, Rajasthan From ICR F-9 to 33/220kV PSS. (Length-18130 MTR)

1. **BSNL Telecom Details:**
   AGM (CFA), Jaipur vide Letter No: RJCO-18/16(13)/3/2020-CFA/19012 dated: 16.03.2026 has mentioned the non-existence of BSNL's Block&Telecom details within the 5 km boundary of proposed Transmission Line and hence BNSL's NOC is considered.

2. **Railway Telecom Details:**
   North Western Railway vide Letter No: SG/158/NWR/PTCC/1389 Dated: 24.03.2026 has issued their NOC for charging of Transmission 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 kV PSS	91	30	0.45	2766	1799	84	32
33 kV Switchyard	12	25	0.00223	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.