



**भारत सरकार**  
**Government of India**  
**विद्युत मंत्रालय**  
**Ministry of Power**  
**केन्द्रीय विद्युत प्राधिकरण**  
**Central Electricity Authority**  
**विद्युत प्रणाली परियोजना प्रबोधन प्रभाग**  
**Power System Project Monitoring Division**

सेवा में,

(संलग्न सूची के अनुसार)

**विषय:** Minutes of meeting taken by Chief Engineer(PSPM), CEA on 15.04.2025 on the issues raised by POWERGRID regarding solar park developers' objections to the line corridor of 765 kV D/C Bhadla-III Bikaner-III Transmission line and line crossing issue raised by APRAAVA with POWERGRID-Reg.

महोदय,

उपरोक्त मुद्दे पर Chief Engineer(PSPM), CEA द्वारा 15.04.2025 को ली गई बैठक का कार्यवृत्त संलग्न है।

**संलग्नक:** यथोपरी।

भवदीय,

(राजेश / Rajesh)

उपनिदेशक/ Dy. Director

**Addresses:**

1. CMD, POWERGRID, Gurugram, Haryana
2. COO, CTUIL, Gurugram, Haryana
3. Solar Developers (Cosine Power Pvt. Ltd./Soltown Infra Power Pvt. Ltd./RRVUNL/ Deshraj Solar Energy Pvt. Ltd./Avaada Energy Pvt. Ltd./Juniper Green Cosmic Pvt. Ltd.)
4. M/s Apraava Energy Pvt Ltd.
5. M/s Serentica Renewables India Pvt Ltd.

**Copy to:**

1. JS (Trans), MoP
2. SA to Member (PS), CEA

**Minutes of meeting taken by Chief Engineer (PSPM), CEA on 15.04.2025 on the issues raised by POWERGRID regarding solar park developers' objections to the line corridor of 765 kV D/C Bhadla-III Bikaner-III Transmission line and line crossing issue raised by APRAAVA with POWERGRID**

The list of the participants is attached at **Annexure-I**.

**Agenda-1: Solar Park developers' objections to the line corridor of 765 kV D/C Bhadla-III Bikaner-III Transmission line**

1.1 Deputy Director (PSPM), CEA, made presentation on the issues raised by POWERGRID regarding solar park developers' objections to the line corridor of 765 kV D/C Bhadla-III Bikaner-III Transmission line. (Presentation attached as **Annexure-II**).

1.2 POWERGRID stated the following:

(a) POWERGRID Bhadla Bikaner Transmission Limited (PBBTL) is executing the "Transmission System Strengthening for Interconnections of Bhadla-III and Bikaner-III Complex" through Tariff Based Competitive Bidding (TBCB) which inter-alia comprises 765 KV D/C Bhadla-III-Bikaner-III Transmission Line.

(b) During the construction of the transmission line, several solar parks, present on wide corridor across the planned route, have been brought to the notice of POWERGRID by the respective solar developers.

(c) Following are the solar parks creating constraints during construction of the transmission line:

- 1) Cosine Power Pvt. Ltd.
- 2) Soltown Infra Power Pvt. Ltd.
- 3) Rajasthan Rajya Vidyut Utpadan Nigam Ltd (RRVUNL)
- 4) Deshraj Solar Energy Pvt. Ltd.
- 5) Avaada Energy Pvt. Ltd.
- 6) Juniper Green Cosmic Pvt. Ltd.

(d) Information regarding Solar Park of only RRVUNL was available before the construction of transmission line. No information was available about rest of the Solar parks until construction started for the transmission line and proper boundary limits were not made available to them by the solar developers citing land parcels under procurement and confidentiality issues.

(e) The proposed transmission line route will pass through some portion of the land of Rajasthan Rajya Vidyut Utpadan Nigam Ltd (RRVUNL), Deshraj Solar Energy Pvt. Ltd, Avaada Energy Pvt. Ltd and Juniper Green Cosmic Pvt. Ltd as no feasible alternate corridor is available for the line.

(f) One tower location (AP 16) is located within the land of Cosine Power Pvt Ltd. POWERGRID is discussing the issue with Cosine Power Pvt Ltd and would be resolved mutually among themselves.

1.3 CE (PSPM) stated that all TSPs should ensure that transmission line approaching a substation should remain perpendicular to its boundary for a stretch of 2-3 km as per transmission planning criteria of CEA. Further, best practices should be adopted in the alignment of transmission lines to minimize future congestion.

**1.4 After detailed deliberations, the following action points emerged:**

- a) **Land of Cosine Power Pvt. Ltd.:** POWERGRID to discuss the issue bilaterally with Cosine Power Pvt Ltd and resolve by mutual discussion.

**[Action: POWERGRID]**

- b) **Land of Soltown Infra Power Pvt. Ltd:** It was pointed out that only small portion of the transmission line is crossing through the solar park and diversion of transmission line from the solar park land to the extent feasible will not cause significant increase in length of the line. Both POWERGRID and Soltown Infra Power Pvt. Ltd to resolve the issue by mutual discussion.

**[Action: POWERGRID & Soltown Infra Power Pvt. Ltd]**

- c) **Land of Rajasthan Rajya Vidyut Utpadan Nigam Ltd (RRVUNL), Deshraj Solar Energy Pvt. Ltd and Avaada Energy Pvt. Ltd:** POWERGRID to explore possible corridor available between land patches of RVUNL.

**[Action: POWERGRID]**

- d) **Land of Juniper Green Cosmic Pvt. Ltd.:** It was informed that the proposed route of transmission line is passing over the land of Juniper Green Cosmic Pvt. Ltd. at few locations before the Bikaner-III substation gantry. POWERGRID to have discussion with Juniper Green Cosmic Pvt. Ltd and resolve by mutual discussion.

**[Action: POWERGRID]**

- e) CTUIL to explore the possibility of making information regarding land procured by solar developers available to transmission licensee or to BPC so that transmission line route can be planned accordingly in advance.

**[Action: CTUIL]**

**Agenda No. 2:** Issues raised by M/s APRAAVA with POWERGRID

**2.1 Undercrossing of POWERGRID's 765kV D/C Bhadla - Bikaner TL by M/s Apraava's 400kV D/C Quad Fatehgarh III – Bhadla III TL.**

POWERGRID highlighted difficulties anticipated in maintenance of the tower if M/s Apraava's line is crossing on both side of their tower.

After detail deliberation, the following was decided:

- a) M/s Apraava will submit a proposal for undercrossing POWERGRID's line through one span only by increasing the clearance between M/s Apraava's line conductor and POWERGRID's nearest tower to the extent possible. The proposal so made would be agreed by POWERGRID as long as it is technically feasible.

**[Action: Apraava & POWERGRID]**

- b) In case the above proposal is not acceptable to POWERGRID, then M/s Apraava's earlier proposal i.e., undercrossing with one circuit on each side of the tower may be considered with the condition of maintaining 50 m distance from the tower.

**[Action: Apraava & POWERGRID]**

## **2.2 Undercrossing of POWERGRID's 765kV D/C Fatehgarh-2 - Bhadla-2 TL by Apraava's 400kV DC Quad Fatehgarh III – Bhadla III TL**

It was decided that Apraava and POWERGRID may adopt the same approach similar to 2.1 above.

**[Action: Apraava & POWERGRID]**

## **2.3 Confirmation of Dead-End Tower Location at Fatehgarh III Substation for Fatehgarh III to Bhadla III TL**

M/s Apraava submitted that as per discussions held with POWERGRID in March 2025, the revised proposal had been sent to POWERGRID on 1<sup>st</sup> April 2025. Under the proposal, the dead end Multi Circuit Tower (MCT) is placed at 140 m from gantry inside the Fatehgarh III S/S premises and M/s Apraava is connected at the lower tier of the MCT.

POWERGRID agreed to give concurrence on the proposal on early basis.

**[Action: POWERGRID]**

## **2.4 Confirmation of Dead-End Tower Location at Fatehgarh III Substation for Fatehgarh IV to Fatehgarh III TL**

It was pointed out that M/s Apraava's 400 kV Fatehgarh III – Bhadla III line is overcrossing M/s Serentica's 400 kV S/C line. POWERGRID has proposed that M/s Apraava's line may also over-cross their future 400 kV Fatehgarh III to Barmer TL having SCOD of Nov'26 which is unacceptable to M/s Apraava.

It was highlighted that being the last entrant, POWERGRID may not obligate other TSPs with such requests.

After detail deliberation, the following was decided.

- a) POWERGRID to convene meeting with the TSPs i.e. M/s Serentica and M/s Apraava to agree on a mutually acceptable tower height for undercrossing POWERGRID's line by Serentica and Apraava. The crossing proposal will be

acceptable to POWERGRID if it maintains the required clearances as per CEA regulations. Further, the confirmation of Dead-End Tower Location at Fatehgarh III S/s for Fatehgarh IV to Fatehgarh III TL may be given by POWERGIRD to M/s Apraava at the earliest.

**[Action: POWERGRID]**

- b) CTUIL, POWERGRID and M/s Apraava were requested to share inputs for preparing a general SoP for approval of line crossings so that such line crossing issues can be resolved in the future and necessary approvals can be expedited.

**[Action: CTUIL, POWERGRID & Apraava]**

**Agenda No. 3:** Issues of transmission line crossing between M/s Juniper Green Ltd. & M/s Apraava:

Juniper (Solar Power Project generation switchyard in Newa Village, Jodhpur District, Rajasthan) - Bhadla-III ISTS PS 220kV D/C transmission line and Fatehgarh III PS - Bhadla III PS 400kV D/C transmission line are being constructed by M/s Juniper Green Ltd. and M/s Apraava respectively whose authorization under section 164 of Electricity Act, 2003 were granted in Jul-2024 and Jun-2024 respectively.

M/s Juniper Green Ltd. informed that they have already completed tower erection for their line and M/s Apraava is yet to start construction at site where there will be a transmission line crossing. M/s Apraava has requested M/s Juniper Green Ltd. to hold their construction as M/s Apraava have first right over the corridor as they have been granted authorization under section 164 of Electricity Act, 2003 earlier than M/s Juniper Green Ltd.

In this regard, CE (PSPM) clarified that authorization under section 164 of Electricity Act, 2003 does not give preference of the corridor to any TSP. The transmission company which constructs the line later at the particular site/corridor has to plan and execute the line crossing in consultation with existing line owner by following necessary technical standards and safety clearances. Accordingly, M/s Juniper and M/s Apraava were advised to resolve the issue mutually.

**[Action: Juniper & Apraava]**

Meeting ended with thanks to the chair.

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**Annexure-I****List of Participants****CEA**

- |                             |                                  |
|-----------------------------|----------------------------------|
| 1. Shri Y.K. Swarnkar       | Chief Engineer (PSPM) – In chair |
| 2. Shri S.M. Aimol          | Director (PSPM)                  |
| 3. Shri Prabhjot Singh Sahi | Dy. Director (PSPM)              |
| 4. Shri Rajesh              | Dy. Director (PSPM)              |
| 5. Shri Ajit Kr Ray         | Dy. Director (CEI)               |
| 6. Shri Akarsh Dubey        | Assistant Director (PSPM)        |

**POWERGRID**

- |                           |        |
|---------------------------|--------|
| 1. Shri Kanchan Choudhary | CGM    |
| 2. Shri Rajiv Gandhi      | CGM    |
| 3. Shri Manoj Kr Singh    | Sr. GM |
| 4. Shri Surendra Kumar    | Sr GM  |
| 5. Santosh Kumar Singh    | GM     |
| 6. Shri Y K P N Singh     | GM     |

**CTU**

- |                       |     |
|-----------------------|-----|
| 1. Shri Ranveer Singh | DGM |
|-----------------------|-----|

**RRVUNL**

- |                 |                    |
|-----------------|--------------------|
| 1. Ashok Badaya | Executive Engineer |
|-----------------|--------------------|

**APRAAVA ENERGY**

- |                          |   |
|--------------------------|---|
| 1. Shri Jogendra Behera  | Head - Regulatory                           |
| 2. Shri Siddhartha Ghosh | Head - Operation Transmission               |
| 3. Shri Wasim Alam       | Sr. Mgr                                     |
| 4. Shri Sharique Afzal   | Lead - Regulatory Affairs & Policy Advocacy |
| 5. Maiti, Lohit          |   |

**AVAADA**

- |                    |             |
|--------------------|-------------|
| 1. Angshuman Rudra | GM          |
| 2. Pawan Kumar     | GM          |
| 3. Ankit Gupta     | Sr. Manager |

**JUNIPER**

- |                |                   |
|----------------|-------------------|
| 1. Pavan Gupta | Head - Regulatory |
|----------------|-------------------|

**RPSG Ventures**

- |                      |                        |
|----------------------|------------------------|
| 1. Farrukh Aamir     | Head - Regulatory      |
| 2. Kashish Bhambhani | Chief Strategy Officer |

**Cleanmax Enviro**

1. Anuj Mishra

Sr Manager

**Serentica**

1. Pramod Kumar Tripathi
2. Mukesh Kumar
3. Abhishek Sharma
4. Prateek Mohan Rai