THE UTTAR PRADESH ELECTRICITY REGULATORY COMMISSION

LUCKNOW

Petition No. 2414 of 2026

QUORUM

Hon'ble Shri Arvind Kumar, Chairman

Hon'ble Shri Sanjay Kumar Singh, Member

Hon'ble Shri Griesh Kumar Vaish, Member (Law)

IN THE MATTER OF

Petition under sections 86(1)(c), 86(1)(e), and 86(1)(k) of the Electricity Act, 2003 along with Regulation 15 of the UPERC (Rooftop Solar PV Grid Interactive Systems Gross/Net Metering) Regulations, 2019, Clause 14 of the Guidelines for Peer-to-Peer Solar Energy Transaction Through Blockchain Based Platform, and the relevant provisions of the UPERC (Conduct of Business) Regulations, 2019 seeking issuance of directions and exercise of the powers to remove difficulty for continuation of the approvals and relaxations granted by this Hon'ble Commission in Petition No. 2345 of 2026 for the establishment of a pilot interstate peer-to-peer trading of renewable energy under the India Energy Stack framework.

AND

IN THE MATTER OF

Pashchimanchal Vidyut Vitran Nigam Limited,

(Through its Authorised Representative), Urja Bhavan, Victoria Park, Meerut – 250001.

.........Petitioner

THE FOLLOWING WERE PRESENT

1. Shri Vivek Srivastav, SE (Commercial), PVVNL
2. Shri Ravi Kumar, SE, PVVNL
3. Shri Divyanshu Bhatt, Advocate, PVVNL
4. Shri Abhyaditya Singh, Advocate, PVVNL

ORDER
(DATE OF HEARING: 27.08.2026)

1. The present Petition has been filed by PVVNL under sections 86(1)(c), 86(1)(e), and 86(1)(k) of the Electricity Act, 2003 along with Regulation 15 of the UPERC (Rooftop Solar PV Grid Interactive Systems Gross/Net Metering) Regulations, 2019, Clause 14 of the Guidelines for Peer-to-Peer Solar Energy Transaction Through Blockchain Based Platform, and the relevant provisions of the UPERC (Conduct of Business) Regulations, 2019 seeking issuance of directions and exercise of the powers to remove difficulty to continue the applicability of the approvals and relaxations granted by this Hon'ble Commission in Petition No. 2345 of 2026 for the establishment of a pilot interstate peer-to-peer trading of renewable energy under the India Energy Stack framework, as envisaged by the Ministry of Power, Government of India, in furtherance of national objectives of digitalization of the power sector, promotion of renewable energy, and development of consumer-centric electricity markets.

2. The Petitioner has stated that the pilot is limited in scope, envisaging onboarding of prosumers and consumers across PVVNL, TPDDL, and BRPL in Phase I, and is intended solely for demonstration, testing, and regulatory learning purposes. The pilot has thus far been without any material adverse impact on grid security, DISCOM revenues, or system operations. Accordingly, no consequential impact will fall upon the consumers of PVVNL.

3. The Petitioner has reiterated that the pilot operates entirely within the physical distribution networks of the participating DISCOMs, without creation of any parallel infrastructure. The pilot relies on smart meter data, DISCOM MDM systems, and billing systems for reconciliation, preserving the statutory functions and obligations of the licensees under the Act.

4. The Petitioner has tendered that the interstate P2P pilot serves as a regulatory sandbox enabling this Commission and other participating Commissions to evaluate operational, commercial, legal, and consumer protection dimensions of cross-border

P2P trading, which enables the relevant regulatory bodies to develop evidence-based frameworks for future scale-up, consistent with national policy objectives and international best practices.

5. The Petitioner has also submitted that the Petitioner had been selected by the MOP and REC Limited as the Uttar Pradesh distribution licensee participant in the proposed interstate P2P pilot accordingly, PVVNL approached this Commission for appropriate regulatory approval, clarification, and relaxation in order to enable lawful and time-bound execution of the project vide Petition No. 2345 of 2026. Based on the above facts and circumstances, this Commission had permitted the Petitioner to undertake P2P energy transactions within its licensed area, along with the inter-state trading, as prayed for.

6. The Petitioner has further submitted that subsequent to the requisite approvals being granted by the respective State Electricity Regulatory Commissions, the P2P energy transaction pilot under the IES has been operational, with regular energy trading commencing from March 2026. The energy transactions carried out during the period February 2026 to July 2026 have been duly accounted for, and the corresponding traded energy has already been adjusted in the electricity bills of the consumers concerned. The details of the energy trades executed and settled through the P2P pilot project, for PVVNL, are as under:

S. No.	Month	Trades Done	Trades Settled
1.	February 2026	2	2
2.	March 2026	4	4
3.	April 2026	266	266
4.	May 2026	567	567
5.	June 2026	288	288
6.	July 2026	37	37

7. The Petitioner has averred that the Pilot Project has demonstrated successful implementation of the P2P energy trading framework in a live operational environment and since commencement of trading, the platform has enabled seamless energy transactions between participating consumers, and the traded energy has been accurately reflected in the billing system.

8. The Petitioner has further submitted that continuation of the Inter-State P2P Energy Transaction Pilot is expected to yield significant operational, technical and regulatory benefits for the State as the extended Pilot period will enable assessment of consumer participation patterns, validation of billing and settlement mechanisms, and evaluation of interoperability among utilities, Advanced Metering Infrastructure Service Providers (AMISPs) and digital platforms under the IES.

9. The Petitioner has further submitted that such extension will also provide valuable insights into the integration of distributed renewable energy resources, optimization of local energy consumption, and enhancement of grid efficiency. Further as per the submission, the Pilot is expected to facilitate the development of transparent accounting and settlement processes, support the formulation of an appropriate regulatory framework for large-scale implementation of P2P energy trading, contribute towards consumer empowerment, promote rooftop solar adoption and achieve the State's renewable energy and energy transition objectives.

10. In view of the foregoing, it has been submitted that REC Limited communicated, on behalf of the MoP, that an extension of time was required to be sought from this Commission to enable the continuation of the Inter-State P2P Energy Transaction Pilot. The Order of this Hon'ble Commission, which allowed for the Pilot project to be set up, was to be applicable only for a period of six months from the date of the issuance of such Order i.e. 16.02.2026 and would, thereby, cease to apply from 16.08.2026.

11. In view of the abovementioned facts, circumstances, and averments, it has been prayed to:

   a. Allow for the ad-interim continuation of the Order dated 16.02.2026 in Petition No. 2345 of 2026 pending the disposal of the present Petition;

   b. Declare and hold that the relaxations and approvals granted under the Order dated 16.02.2026 in Petition No. 2345 of 2026 stand extended until 31.03.2027;

   c. Declare and hold that the Order to be passed in the present Petition shall be deemed to have come into effect from 16.08.2026, i.e., from the date on which the relaxations and approvals granted by this Hon'ble Commission via the Order dated 16.02.2026 in Petition No. 2345 of 2026 are to expire;

Commission's Observation:

12. After examining the preliminary submissions made under the present Petition, oral submissions made by the Counsel of the Petitioner and in the light of the UPERC Guidelines for peer-to-peer solar energy transaction through blockchain based platform and UPERC (Rooftop Solar PV Grid Interactive Systems Gross/Net Metering) Regulations, 2019, the Commission hereby allows the prayer that the relaxations and approvals granted under the Order dated 16.02.2026 in Petition No. 2345 of 2026 stand extended until 31.03.2027. Furthermore, this order shall be deemed to have come into effect from 16.08.2026, i.e., from the date on which the approvals granted via Order dated 16.02.2026 in Petition No. 2345 of 2026 were to expire.

13. The Petition is disposed of with the above observations.

(Griesh Kumar Vaish)	(Sanjay Kumar Singh)	(Arvind Kumar)
Member(Law)	**Member**	**Chairman**

Place: Lucknow

Dated: 03.09.2026