India Energy Stack (IES) Taskforce releases version 0.3 Strategy and Architecture Documents

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THE TIMES OF INDIA

Consumers May Soon Get To Buy & Sell Electricity Among Themselves

Govt To Launch Facility Soon With Aim To Boost Renewable Energy Generation

Atul.Mathur@timesofindia.com

New Delhi: The govt is set to launch a facility that will allow consumers to directly buy and sell electricity among themselves, with the amount adjusted in their monthly power bills.

Peer-to-peer (P2P) energy trading under the India Energy Stack (IES) will enable electricity consumers and prosumers — consumers who also generate power through renewable sources such as rooftop solar — to trade surplus renewable energy directly with other consumers, including across state boundaries. The transactions will be facilitated through a trust-based digital framework to ensure a secure, verifiable and scalable P2P energy network.

While the buyer will need a smart electricity meter, the seller must have a rooftop solar plant and a net meter to trade surplus energy. The two parties will be able to negotiate prices through a mobile application and complete the transaction. Officials said consumers will continue to receive their regular electricity bills and P2P energy trades will be reflected as cumulative adjustments within the discom billing system for both buyers and sellers. They added that the system will help prosumers easily sell surplus electricity, while buyers will get power at rates cheaper than those charged by distribution companies.

P2P trading is part of the IES being developed by REC Limited and is likely to be launched during the IndiaAI Summit later this month. Initially, consumers in south, southwest, west, north and northwest Delhi, and parts of western Uttar Pradesh, will be able to trade electricity as the facility will be rolled out by three distribution companies — BSES Rajdhani Power Limited, Tata Power-Delhi Distribution Limited and Paschimanchal Vidyut Vitran Nigam Limited. Eventually, all discoms are expected to offer the facility.

The three utilities together have about 1.25 crore consumers, but the pilot will begin with around 1,000 consumers in each discom area. PVVNL managing director Raveesh Gupta said consumers from varied backgrounds are being identified for the pilot. "Our teams are talking to farmers, small businessmen and domestic users to onboard them for P2P energy trading," Gupta said.

Sources said similar P2P energy trading models are already operational in parts of Europe and Australia, where regulated local energy markets allow consumer-to-consumer trading of renewable power. India currently has an installed power capacity of 513.7 GW, including 266.8 GW of non-fossil energy. Solar comprises 135.8 GW of installed capacity. The govt has set a target of achieving 500 GW of non-fossil energy by 2030. Under the Pradhan Mantri Surya Ghar Yojana, launched in Feb 2024, over 20.8 lakh rooftop solar systems have been installed, benefitting more than 26.1 lakh households.

A Tata Power-DDL spokesperson said consumers and prosumers will be onboarded through digital platforms for registering and operating tra-

des. "Customers will have to download one of the applications developed by trading platform service providers as per their preference. Details regarding user interfaces, including whether a dedicated app or web-based access will be shared at the time of onboarding by the respective discoms," the spokesperson said.

While prosumers will get an opportunity to monetise excess solar generation and earn additional income, consumers will benefit from access to greener electricity, often at competitive prices. All transactions will be carried out digitally under a discom-supported framework ensuring transparency, reliability and consumer protection.

REC executive director Prince Dhawan said the trading platform will ensure secure matching, accounting and settlement of transactions, while discoms will continue providing smart-meter data, grid management and consumer services. "The platform will read data from a central ledger where the discom will upload actual consumption and export, and then settle the final transaction between peers. Some trading platforms will also have inbuilt AI agents to help customers in the trading process," Dhawan said.

"As per regulatory approvals, discoms can apply wheeling and transmission charges directly in the bills since they can also read the ledger. The platform will display those charges upfront to consumers," he added.

A key feature of the initiative is the use of a 'Verified Credential' (VC), which acts as a secure digital identity for both consumers and prosumers. The VC confirms that the participant is a genuine discom customer with verified metering and eligibility, enabling safe participation in P2P energy trading while ensuring system integrity and consumer protection.

PEER-TO-PEER ENERGY TRADING

HOW IT WILL ACTUALLY WORK ON THE GROUND

❶ Consumer installs rooftop solar, becomes a "prosumer"
➤ A time-of-day smart meter is mandatory
➤ When generation is more than consumption, surplus electricity is available to sell

❷ Register on a P2P trading platform
➤ A mobile app/platform lists sellers and buyers
➤ The user links consumer ID, bank or payment account

❸ Electricity availability automatically uploaded
➤ Discom writes consumption and export on central ledger
➤ Meter data not shared directly with platform option

❹ Seller sets price for selling
➤ Advertises on app
➤ Negotiation takes place with buyer

❺ Buyer purchases solar power
➤ Electricity still flows through discom wires

❻ Discom apply wheeling and network charges
➤ Platforms display them upfront to users
➤ Reflect in final bill

❼ Monthly bill shows energy transactions
➤ Energy bought or sold
➤ Grid charges and discom fee
➤ Net payable amount
➤ Settlement happens automatically via platform.

Benefits of peer to peer energy trading
➤ Buyers get cheaper daytime power than discom supply; lower electricity bills
➤ Faster rooftop solar adoption as people install solar to earn money
➤ Helps discom's finances, as it buys expensive power during peak hours
➤ Reduces transmission losses
➤ Rural and microgrid electrification
➤ New energy economy develops, every home can become a micro-entrepreneur
➤ Utilities can meet renewable targets using distributed energy

Participating discoms
➤ BSES Rajdhani Private Limited – South and West Delhi
➤ Tata Power Delhi Distribution Limited – North and North West Delhi
➤ Paschimanchal Vidyut Vitran Nigam Limited – Noida, Ghaziabad, Meerut Bulandshahar, Saharanpur and Moradabad.

IES Taskforce releases version 0.3 Strategy and Architecture Documents

The Ministry of Power today announced the release of Version 0.3 of the India Energy Stack (IES) Architecture and Strategy documents, marking another step in the development of a digital public infrastructure for India's power sector. The India Energy Stack aims to create a common digital framework that helps different stakeholders — including utilities, system operators, market participants, innovators, and consumers — securely exchange data and interact using shared standards and protocols. This approach is intended to improve coordination, transparency, and efficiency across the energy ecosystem. The updated Version 0.3 documents reflect ongoing work to design, test, and refine the framework through phased development and consultation. The IES initiative is being advanced through ecosystem collaboration, pilot implementation, and eventual national rollout to support a more reliable, flexible, and future-ready power system. Importantly, the India Energy Stack is expected to benefit consumers and prosumers by giving them greater control and participation in the energy ecosystem. Through consent-based data sharing and interoperable digital services, consumers can access improved energy services, compare offerings, and participate in programmes such as demand response or EV charging. Prosumers — who both produce and consume electricity — can more easily monetise surplus energy, verify transactions, and engage in energy markets. By enabling trusted measurement, verification, and settlement at scale, the framework can help households, businesses, and community groups participate confidently and benefit economically from their energy choices.

Power ministry rolls out India Energy Stack v0.3 framework

The Centre on Tuesday rolled out the latest version of the India Energy Stack framework, a key initiative aimed at reshaping how power data flows across utilities, markets and consumers in India's rapidly evolving electricity sector.

Link: https://www.financialexpress.com/policy/economy/power-ministry-rolls-out-india-energy-stack-v0-3-framework/4134023/

The Statesman

India Energy Stack Taskforce releases version 0.3 strategy, architecture documents:

The Ministry of Power has released Version 0.3 of the India Energy Stack (IES) Strategy and Architecture documents, advancing digital public infrastructure for the power sector. The framework aims to enable secure data sharing and interoperability among utilities, system operators, market players and consumers using common standards and protocols.

Power Peak Digest

India Energy Stack Taskforce releases version 0.3 framework

The India Energy Stack (IES) Taskforce under the Ministry of Power has released Version 0.3 of its strategy and architecture documents, setting out the next phase of work to develop a unified digital public infrastructure for India's power sector. The IES project is scheduled for completion by July 2026.

Link: https://powerpeakdigest.com/india-energy-stack-taskforce-releases-version-0-3-framework/

Outlook

India Energy Stack (IES) Taskforce Releases Version 0.3 Strategy And Architecture Documents

The Ministry of Power today announced the release of Version 0.3 of the India Energy Stack (IES) Architecture and Strategy documents, marking another step in the development of a digital public infrastructure for India's power sector.

Link: https://www.outlookindia.com/announcements/news-media-wire/india-energy-stack-ies-taskforce-releases-version-03-strategy-and-architecture-documents

India Energy Stack Taskforce releases version 0.3 Strategy and Architecture Documents

The Ministry of Power on Friday announced the release of Version 0.3 of the India Energy Stack (IES) Architecture and Strategy documents, marking another step in the development of a digital public infrastructure for India's power sector.

Link: https://www.freepressjournal.in/corporate-gallery/india-energy-stack-taskforce-releases-version-03-strategy-and-architecture-documents

India Energy Stack Taskforce Unveils Version 0.3 of Strategy and Architecture Documents – Paving the Way for a Future-Ready Power System

New Delhi: The Ministry of Power today announced the release of Version 0.3 of the India Energy Stack (IES) Architecture and Strategy documents, marking a significant milestone in India's journey toward a digital public infrastructure for the power sector. The update highlights ongoing efforts to standardize and digitize the nation's energy ecosystem, enabling enhanced transparency, efficiency, and coordination across stakeholders.

Link: https://indianmasterminds.com/news/india-energy-stack-version-0-3-strategy-architecture-rec-limited-ministry-power-183397/

PSU *Connect*
News Updates on PSUs

India Energy Stack (IES) Taskforce releases version 0.3 Strategy and Architecture Documents

New Delhi: The Ministry of Power today announced the release of Version 0.3 of the India Energy Stack (IES) Architecture and Strategy documents, marking another step in the development of a digital public infrastructure for India's power sector.

Link: https://www.psuconnect.in/psu-news/ies-taskforce-releases-version-0-3-strategy-and-architecture-documents

India Energy Stack (IES) Taskforce releases version 0.3 Strategy and Architecture Documents

The Ministry of Power today announced the release of Version 0.3 of the India Energy Stack (IES) Architecture and Strategy documents, marking another step in the development of a digital public infrastructure for India's power sector.

Links: https://thenewsmanofindia.com/india-energy-stack-ies-taskforce-releases-version-0-3-strategy-and-architecture-documents/

India Energy Stack (IES) Taskforce releases Version 0.3 strategy and architecture documents

New Delhi, Feb 06: The Ministry of Power has announced the release of Version 0.3 of the India Energy Stack (IES) Architecture and Strategy documents, aimed at establishing a digital public infrastructure for the power sector in India.

Link: https://www.sarkaritel.com/india-energy-stack-ies-taskforce-releases-version-0-3-strategy-and-architecture-documents/

Indian GRAPEVINE

India Energy Stack (IES) Taskforce releases version 0.3 Strategy and Architecture Documents

The Ministry of Power today announced the release of Version 0.3 of the India Energy Stack (IES) Architecture and Strategy documents, marking another step in the development of a digital public infrastructure for India's power sector.

Link: https://indiangrapevine.com/india-energy-stack-ies-taskforce-releases-version-03-strategy-and-architecture-documents

सप्ताहांत **R T**
राजावत टाइम्स

डिजिटल पावर सेक्टर की दिशा में बड़ा कदमः इंडिया एनर्जी स्टैक का वर्जन 0.3 जारी

विद्युत मंत्रालय ने भारत के पावर सेक्टर के लिए डिजिटल पब्लिक इंफ्रास्ट्रक्चर को मजबूत करने की दिशा में एक अहम पहल करते हुए इंडिया एनर्जी स्टैक (IES) के आर्किटेक्चर और स्ट्रेटेजी डॉक्यूमेंट्स का वर्जन 0.3 जारी किया है। यह कदम ऊर्जा क्षेत्र को अधिक संगठित, पारदर्शी और तकनीक-सक्षम बनाने की दिशा में आगे बढ़ाता है। इंडिया एनर्जी स्टैक का उद्देश्य एक ऐसा साझा डिजिटल फ्रेमवर्क तैयार करना है, जिसके जरिए यूटिलिटीज, सिस्टम ऑपरेटर्स, मार्केट पार्टिसिपेंट्स, इनोवेटर्स और उपभोक्ता सुरक्षित तरीके से डेटा साझा कर सकें और एक-दूसरे से जुड़ सकें। साझा स्टैंडर्ड्स और प्रोटोकॉल के माध्यम से यह प्लेटफॉर्म पूरे एनर्जी इकोसिस्टम में बेहतर समन्वय और दक्षता लाने पर केंद्रित है। वर्जन 0.3 में अब तक हुए डेवलपमेंट और कंसल्टेशन के अनुभवों को शामिल किया गया है। इस फ्रेमवर्क को चरणबद्ध तरीके से– इकोसिस्टम कोलेबोरेशन, पायलट प्रोजेक्ट्स और फिर राष्ट्रीय स्तर पर लागू करने–के लक्ष्य के साथ आगे बढ़ाया जा रहा है, ताकि भविष्य की जरूरतों के अनुरूप एक भरोसेमंद और लचीला पावर सिस्टम तैयार किया जा सके। इस पहल से उपभोक्ताओं और 'प्रोज्यूमर्स' को विशेष लाभ मिलने की उम्मीद है। सहमति आधारित डेटा शेयरिंग

और इंटरऑपरेबल डिजिटल सेवाओं के जरिए उपभोक्ता बेहतर ऊर्जा सेवाओं का चयन कर सकेंगे, अलग-अलग ऑफर्स की तुलना कर पाएंगे और डिमांड रिस्पॉन्स या ईवी चार्जिंग जैसे कार्यक्रमों में भाग ले सकेंगे। वहीं, बिजली का उत्पादन और उपयोग दोनों करने वाले प्रोज्यूमर्स के लिए सरप्लस एनर्जी को बाजार में बेचने और उससे आय अर्जित करना आसान होगा। वर्जन 0.3 की समीक्षा बैठक में टास्कफोर्स के चेयरमैन डॉ. राम सेवक शर्मा समेत पावर सेक्टर के कई वरिष्ठ विशेषज्ञ, नियामक संस्थाओं के पूर्व प्रमुख, उद्योग प्रतिनिधि और मंत्रालय के अधिकारी शामिल हुए। इस परियोजना को आरईसी लिमिटेड नोडल एजेंसी के रूप में संचालित कर रही है, जिसे विद्युत मंत्रालय का सहयोग और एफएसआर ग्लोबल का नॉलेज पार्टनर सपोर्ट प्राप्त है। इंडिया एनर्जी स्टैक प्रोजेक्ट को जुलाई 2026 तक पूरा करने का लक्ष्य रखा गया है।

इंडिया एनर्जी स्टैक (IES) टास्कफोर्स ने वर्जन 0.3 स्ट्रेटेजी और आर्किटेक्चर डॉक्यूमेंट्स जारी किए

केसरी संवाददाता

नई दिल्ली। विद्युत मंत्रालय ने आज इंडिया एनर्जी स्टैक (IES) आर्किटेक्चर और स्ट्रेटेजी डॉक्यूमेंट्स के वर्जन 0.3 को जारी करने की घोषणा की, जो भारत के पावर सेक्टर के लिए डिजिटल पब्लिक इंफ्रास्ट्रक्चर के डेवलपमेंट में एक और कदम है।

इंडिया एनर्जी स्टैक का मकसद एक कॉमन डिजिटल फ्रेमवर्क बनाना है जो अलग-अलग स्टेकहोल्डर्स - जैसे यूटिलिटीज़, सिस्टम ऑपरेटर्स, मार्केट पार्टिसिपेंट्स, इनोवेटर्स और कंज्यूमर्स - को शेयर्ड स्टैंडर्ड और प्रोटोकॉल का इस्तेमाल करके सुरक्षित रूप से डेटा एक्सचेंज करने और इंटरैक्ट करने में मदद करे। इस तरीके का मकसद एनर्जी इकोसिस्टम में कोऑर्डिनेशन, ट्रांसपेरेंसी और एफिशिएंसी को बेहतर बनाना है।

ENERGYWATCH

India Energy Stack (IES) taskforce releases Version 0.3 strategy, architecture documents

New Delhi: The Ministry of Power on Friday announced the release of Version 0.3 of the India Energy Stack (IES) Architecture and Strategy documents, marking the next step in building a digital public infrastructure for India's power sector. The update was issued following a review meeting of the IES Taskforce and reflects progress in shaping a common digital framework to support data exchange and interaction across the electricity ecosystem.

Link: https://www.energywatch.in/power/india-energy-stack-ies-taskforce-releases-version-03-strategy-architecture-documents

India Energy Stack Taskforce releases version 0.3 Strategy and Architecture Documents

Greater Noida: The Ministry of Power today announced the release of Version 0.3 of the India Energy Stack (IES) Architecture and Strategy documents, marking another step in the development of a digital public infrastructure for India's power sector.

Link: https://bharatneeti.com/india-energy-stack-taskforce-releases-version-0-3-strategy-and-architecture-documents/

India Energy Stack Taskforce releases version 0.3 Strategy and Architecture Documents

New Delhi (07.02.2026): The Ministry of Power has released the Version 0.3 Strategy and Architecture documents for the India Energy Stack (IES), moving closer to a unified digital public infrastructure for the country's power sector. With REC Limited (RECL) acting as the nodal agency, the project aims to create an interoperable digital layer for energy data and transactions, similar to the impact of UPI in the financial sector.

Link: https://www.indianmandarins.com/news/india-energy-stack-taskforce-releases-version-0-3-strategy-and-architecture-documents/32053

EPR
electrical & power review

India Energy Stack (IES) Taskforce releases updated Version 0.3 documents

Through its Version 0.3 Architecture and Strategy documents IES Taskforce aims to create a common digital framework that helps different stakeholders — including utilities, system operators, market participants, innovators, and consumers. The Ministry of Power has announced the release of Version 0.3 of the India Energy Stack (IES) Architecture and Strategy documents, marking another step in the development of a digital public infrastructure for India's power sector.

Link: https://www.eprmagazine.com/news/india-energy-stack-ies-taskforce-releases-updated-version-0-3-documents/

India Energy Stack Taskforce Releases Version 0.3 Strategy and Architecture Documents

New Delhi, 06 February 2026: The Ministry of Power today announced the release of Version 0.3 of the India Energy Stack (IES) Architecture and Strategy documents, marking another step in the development of a digital public infrastructure for India's power sector.

Link: https://www.psukhabar.com/2026/02/06/india-energy-stack-taskforce-releases-version-0-3-strategy-and-architecture-documents/

Power Ministry Issues India Energy Stack Strategy Version 0.3

New Delhi, 06 February 2026: The Ministry of Power today announced the release of Version 0.3 of the India Energy Stack (IES) Architecture and Strategy documents, marking another step in the development of a digital public infrastructure for India's power sector.

Link: https://smestreet.in/sectors/power-ministry-issues-india-energy-stack-strategy-version-03-11084022

Power ministry rolls out India Energy Stack v0.3 framework

The Centre on Tuesday rolled out the latest version of the India Energy Stack framework, a key initiative aimed at reshaping how power data flows across utilities, markets and consumers in India's rapidly evolving electricity sector.

Link: https://www.msn.com/en-in/money/news/power-ministry-rolls-out-india-energy-stack-v0-3-framework/ar-AA1VPkzs

Centre Rolls Out India Energy Stack Version 0.3 To Digitally Integrate Power Sector

New Delhi, Feb 7 (KNN) The Centre has released the latest version of the India Energy Stack (IES) framework, a key digital initiative aimed at transforming data exchange across India's electricity ecosystem.

Link: https://knnindia.co.in/news/newsdetails/sectors/energy/centre-rolls-out-india-energy-stack-version-03-to-digitally-integrate-power-sector

इंडिया एनर्जी स्टैक (IES) टास्कफोर्स ने वर्जन 0.3 स्ट्रेटेजी और आर्किटेक्चर डॉक्यूमेंट्स जारी किए

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Link:https://www.netaindia.com/2026/02/06/%e0%a4%87%e0%a4%82%e0%a4%a1%e0%a4%bf%e0%a4%af%e0%a4%be-

![REC Logo]
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Endless energy. Infinite possibilities.
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इंडिया एनर्जी स्टैक (IES) टास्कफोर्स ने वर्जन 0.3 स्ट्रेटेजी और आर्किटेक्चर डॉक्यूमेंट्स जारी किए

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Link: https://pahaltimes.com/the-india-energy-stack-ies-taskforce-has-released-version-0-3-of-its-strategy/

IndianWeb2

India Energy Stack v0.3: One-stop digital platform for electricity data

The Ministry of Power has rolled out Version 0.3 of the India Energy Stack (IES), marking a significant step in building a Digital Public Infrastructure (DPI) for India's electricity sector.For an uninitiated, the India Energy Stack (IES) is a government-led initiative to build a digital public infrastructure for India's power sector.

Link: https://www.indianweb2.com/2026/02/india-energy-stack-v03-one-stop-digital.html

IES Taskforce releases version 0.3 Strategy&Architecture Document

The Ministry of Power today announced the release of Version 0.3 of the India Energy Stack (IES) Architecture and Strategy documents, marking another step in the development of a digital public infrastructure for India's power sector.

Link: https://truehunt.co.in/f/ies-taskforce-releases-version-03-strategy-architecture-docume

जग वाणी

केंद्र ने बिजली क्षेत्र को डिजिटल रूप से एकीकृत करने के लिए भारत एनर्जी स्टैक संस्करण 0.3 लॉन्च किया

नई दिल्ली, 7 फरवरी (केएनएन) केंद्र ने इंडिया एनर्जी स्टैक (IES) फ्रेमवर्क का नवीनतम संस्करण जारी किया है, जो एक प्रमुख डिजिटल पहल है जिसका उद्देश्य भारत के बिजली पारिस्थितिकी तंत्र में डेटा विनिमय को बदलना है।

Link: https://jagvani.com/centre-rolls-out-india-energy-stack-version-03-to-digitally-integrate-power-sector/