



WORKSHOP ON BEST PRACTICES IN ENERGY EFFICIENCY IN TYRE SECTOR: A PATH FOR DECARBONISATION

The Energy Management Centre - Kerala (EMC), in association with Accelerating Smart Power and Renewable Energy (ASPIRE), a joint initiative by the U.K. and Indian governments, hosted a workshop on 7th August 2024 at EMC's Conference Hall in Thiruvananthapuram, Kerala. The focus of the workshop was on reducing carbon emissions in the tyre manufacturing sector, a key industry known for its high energy consumption. The event aimed to promote energy efficiency and decarbonisation efforts within this industry. The Energy Conservation Act, 2001, allows for the identification of energy-intensive industries as 'designated consumers' in connection with activities related to energy conservation. The tyre manufacturing industry was declared a designated consumer in 2023.

The workshop commenced with the traditional lighting of the lamp, followed by insightful speeches from eminent figures such as Anurag Singh Sirohi, Associate Director of the ASPIRE program; K. K. Chakarvarti, Senior Advisor of the IDEEKSHA Platform (ASPIRE Programme Team); Dheeraj Kumar Shriyaasthav, Chief Engineer at the Ministry of Power; Sunil K. Kandare, Director of BEE; and Sanyukt Das Gupta, a representative from the UK Government's Foreign, Commonwealth, and Development Office. Their contributions provided invaluable insights and strategic direction for advancing energy efficiency initiatives in the tyre sector.

The workshop featured presentations from tyre manufacturers like CEAT, JK Tyres, and Apollo Tyres, showcasing innovations in sustainable manufacturing. UK-based providers such as UK Fluid and RF Pro also highlighted digital technologies enhancing efficiency and reducing environmental impact.

Discussions covered best practices, low-carbon technologies, and strategies for improving industrial energy efficiency and decarbonisation (IEED). The event fostered knowledge sharing and potential partnerships, promoting capacity building in the tyre sector. Additionally, the ASPIRE programme emphasized Gender Equality and Social Inclusion (GESI), with participation from women and marginalized groups, and included a presentation on the importance of GESI in Indian industries.



Ceremony of lighting the lamp during the inaugural session



Third Workshop on Energy Efficiency Financing for financial Institutions

The Bureau of Energy Efficiency, in collaboration with the National Power Training Institute (NPTI), Alappuzha organised a two day Capacity Building Workshop for Financial Institutions on “Energy Efficiency Financing” on 08th and 09th August 2024 at NPTI Alappuzha. The main objective of this workshop was to deepen the financial sector’s understanding and confidence in financing energy efficiency projects, which are increasingly seen as essential for sustainable development and reducing energy consumption. The workshop was inaugurated by Dr. S. Selvam, Principal Director, NPTI Alappuzha. Johnson Daniel, Head of NMEEE & DSM Division, EMC-Kerala delivered the keynote address. Dr. K.S.S. Ravikumar, Deputy Director, NPTI Alappuzha, welcomed the participants. The inaugural session concluded with a vote of thanks from Shashank Shukla, Assistant Director of NPTI Kerala, who expressed gratitude to all attendees and contributors.

On the first day of the workshop, participants had the opportunity to visit energy-efficient projects implemented at M/s. The Fertilisers and Chemicals Travancore Limited (FACT), Udyogamandal Division, Kochi. FACT, a Designated Consumer under the Fertilizer Sector of the Perform, Achieve, and Trade (PAT) Scheme. The workshop sessions featured experts such as Sarath Krishnan, Energy Technologist at EMC; Dr. S. Selvam, Principal Director of NPTI Alappuzha; Sabu J Mechery, AGM (Rtd), Canara bank, Anil Kumar P R, AEE (Rtd) Energy Auditor at KSEBL; Suresh Babu, BEE Accredited Energy Auditor. The workshop concluded with the distribution of certificates to participants, marking the successful completion of the program. More than 25 Officers from various banks were participated in the two-day capacity building program, leaving with enhanced knowledge and a greater commitment to promoting energy efficiency through their financial institutions.

MSMEs to get Rs 15,000-crore subsidy to boost recycling, efficiency

The government is planning a ₹15,000 crore green initiative for MSMEs, set to launch by early 2025. The scheme includes setting up material recovery facilities (MRFs), facilitating product treatment after consumption, and creating an e-marketplace connecting manufacturers with waste collectors for better price discovery. A dedicated body will oversee MSMEs’ transition to green energy and create green policies.

Subsidies will support MRFs and help MSMEs manage end-of-life products. Anil Bhardwaj, of

the Federation of Indian MSMEs, emphasized that financial incentives, capacity building, and policy support will empower MSMEs to reduce carbon footprints and adopt green technologies, boosting competitiveness.

The scheme will focus on energy efficiency, alternative fuels, and decarbonisation. The Bureau of Energy Efficiency (BEE) will measure emissions, baseline energy use, and audit performance. Stakeholder inputs are being taken from various ministries and private consultancies.

PAT Cycle III ESCerts Trading Overview

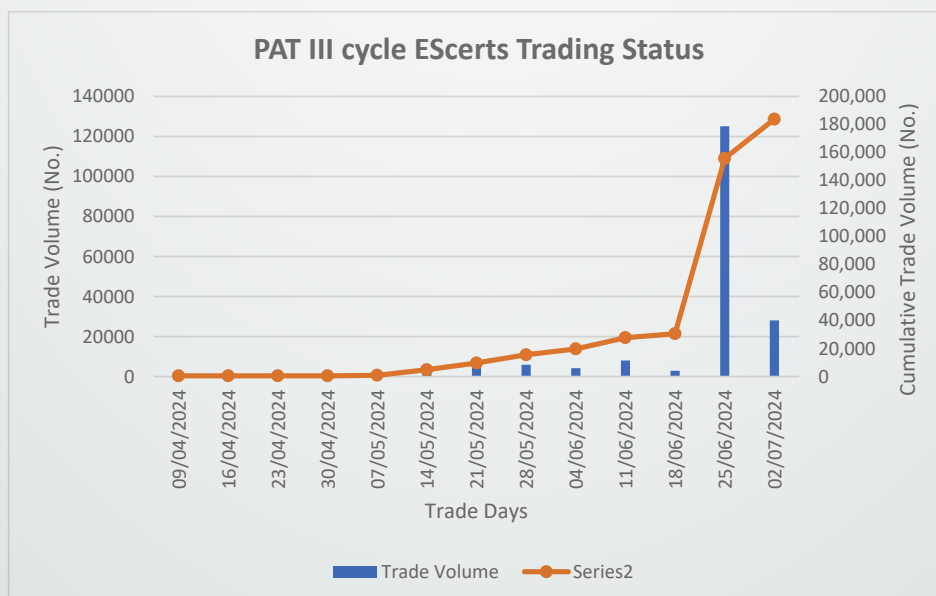
The trading for PAT Cycle III concluded with 13 successful sessions, marking a key milestone in advancing energy efficiency across industries. During this period, 12.4% of Designated Consumers met their compliance obligations by purchasing ESCerts, demonstrating increased commitment to energy-saving regulations.

The Bureau of Energy Efficiency (BEE) opened trading for ESCerts on 9th April 2024, running until 2nd July 2024. BEE expanded participation by allowing Designated Consumers from PAT

Cycles I and II to join, enhancing flexibility. The PATNet portal facilitated the digital management of ESCerts, with the Central Electricity Regulatory Commission (CERC) as the market regulator and POSOCO as the Registry. Trading occurred every Tuesday on IEX, PXIL, and HPX exchanges.

While ESCerts trading for PAT Cycle III (2017-2020) is now paused until further notice from BEE. The final ESCerts Trading report, summarizing the outcomes of this cycle, is presented in the table below.

Date	IEX			PXIL			HPX		
	Sell Bid	Purchase Bid	Trade Volume	Sell Bid	Purchase Bid	Trade Volume	Sell Bid	Purchase Bid	Trade Volume
09-04-24	24629	523	523	0	0	0	0	0	0
16-04-24	36264	0	0	0	0	0	0	0	0
23-04-24	73707	0	0	49016	0	0	0	0	0
30-04-24	1839353	0	0	67772	0	0	25258	0	0
07-05-24	1677703	384	384	50192	0	0	15247	0	0
14-05-24	1999855	3958	3958	125300	0	0	21247	0	0
21-05-24	1863195	1914	1914	189699	1444	1444	66510	1444	1444
28-05-24	1828992	3738	3738	245635	1067	1067	96043	1067	1067
04-06-24	1804888	2273	2273	194930	967	967	77052	967	967
11-06-24	1901771	6267	6267	260136	870	870	126570	870	870
18-06-24	1842383	1302	1302	259196	783	783	131683	783	783
25-06-24	1738237	42914	42914	287628	40656	40656	238185	41570	41570
02-07-24	1685580	6662	6662	332635	6342	6342	156645	15062	15062



Kerala State Energy Conservation Awards 2024

The Government of Kerala has established the Energy Conservation Awards to promote and encourage energy-saving initiatives across the state. This award program, managed by the Energy Management Centre (EMC) Kerala — the State Designated Agency of Bureau of Energy Efficiency responsible for regulating, coordinating, and implementing the Energy Conservation Act of 2001—offers the winners a cash prize of up to 1 lakh rupees. Additional benefits include financial support for ISO 50001 implementation, energy audits, and site visits to national award-winning industries. Submit your application by October 10th, 2024, through the link <http://www.kseca.in/>. For additional information and guidance, please refer to the link <http://www.keralaenergy.gov.in>.

As part of Kerala State Energy Conservation Awards 2024, EMC will be conducting a sensitization program; a one-day workshop on 6th September 2024 at The Renai Cochin, Ernakulam. This program will feature presentations of case studies on best practices in energy efficiency and management by last year's State Award winners. These practices can be adopted by other organizations to

improve their energy efficiency. The session will also cover the guidelines and application process for the Kerala State Energy Conservation Award 2024. Industries, Hotels, Hospitals, MSMEs, PSU's, IT Sector, Malls, Discoms, Certified Energy Auditors/Managers, Energy Professionals/Engineers can participate. Register by 4th September 2024 through the registration link: <https://forms.gle/Nkc8DCujyFmwzUKz9>.



PAT BULLETIN

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