

बीईई लाईन



Issue-19, April'23 - June'23

समाचार पत्रिका



BEE LINE

NEWSLETTER



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■ G20 International Seminar on Accelerating Energy Efficiency Progress and Promoting LiE



■ Energy Transition Working Group meeting



■ RPM Meeting with States & State Power Utilities



■ Conference on Synergising the Energy Transition pathway of G20 and B20 India



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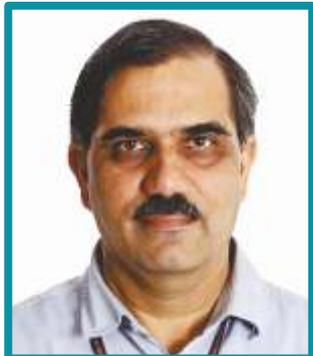
World Environment Day: Actions required to create a sustainable future

अस्वीकरण: सर्वाधिकार सुरक्षित। इस पुस्तिका की सामग्री के इस्तेमाल के सभी अधिकार ऊर्जा दक्षता ब्यूरो (BEE) के पास सुरक्षित हैं। इसमें शामिल सामग्री का कोई भी भाग प्रकाशन की पूर्व अनुमति के बिना किसी भी माध्यम, इलेक्ट्रॉनिक, मैकेनिकल, फोटोकॉपी, रिकॉर्डिंग या अन्य किसी तरीके से इस्तेमाल नहीं किया जा सकता। इस सामग्री के अनधिकृत उपयोग पर कानूनी कार्रवाई की जा सकती है।

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DG MESSAGE



अभय बाकरे
महानिदेशक, बीईई

Abhay Bakre
Director General, BEE

Adoption of energy-efficient practices is inevitable for India, which has ambitious developmental and environmental goals to achieve in the ongoing "Kartavya Kaal". Energy demand is rising by the day and is expected to increase further. BEE has continuously been making efforts towards the same.

Recently, BEE has established a demonstration centre- **Unnat Takniki Pradarshan Kendra**- under the guidance of the Ministry of Power at the National Power Training Institute (NPTI), Badarpur, New Delhi. This centre will facilitate the government's efforts to promote clean technologies and address the urgent need for energy efficiency in various sectors. Further, it aims to enhance capacity-building efforts to offer a one-stop solution provider for energy professionals across India.

Moreover, BEE released a detailed report "**National Energy Data: Survey and Analysis 2021-22**". India conserved 249 billion units of electricity and saved Rs. 1.6 lakh crore in energy bills in the financial year. BEE's efforts have contributed significantly to this conservation.

The Indian Government has taken a significant step towards establishing India's first carbon market and notified a draft framework for the Carbon Credit Trading Scheme, 2023. This framework outlines the regulatory structure and key stakeholders responsible for the formation and functioning of the carbon market. This aims to facilitate decarbonization in the commercial and industrial sectors. BEE will serve as the market administrator, and develop procedures and eligibility criteria for accrediting carbon verification agencies, among other responsibilities.

BEE also organised "**Conference on Consumer-Centric Approaches for E-cooking Transition**" to promote energy-efficient and clean cooking solutions. The Conference brought together the stakeholders to discuss strategy for e-cooking transition.

BEE also anchored discussions pertaining to one of the priority areas under the Energy Transition Working Group titled "**Energy Efficiency, Industrial Low Carbon Transitions and Responsible Consumption**" under the Indian G20- Presidency. Its two studies were released during the 3rd ETWG meeting in Mumbai, showing the path for energy efficiency and appropriate solutions for the same.

BEE is making tremendous contributions towards facilitating India accomplish sustainability targets within the agreed timeframe and will continue to serve the nation and its citizens.

SECRETARY MESSAGE

The Bureau of Energy Efficiency (BEE) with its unwavering efforts and actions offers India the right path to enhance energy-efficiency capabilities and realise the dream of becoming a green economy by 2070.

It developed the State Energy Efficiency Index (SEEI) 2021-22 which was released by the Hon'ble Minister of Power during the RPM (Review, Planning and Monitoring) meeting of States and State Utilities in New Delhi. The index drives decarbonisation efforts, assesses the annual progress of states and UTs in energy efficiency implementation, for FY 2020-21 and 2021-22.

The SEEI tracks progress in managing states' and India's energy footprint, driving energy efficiency policies and programmes at the state and local level, and improves data collection. It helps states identify areas for improvement, adopt an economy-wide approach to energy efficiency implementation.

Further, BEE is going to play an instrumental role in the Government of India's plan to develop the Indian Carbon Market (ICM) where a national framework will be established to decarbonise the Indian economy by pricing the Green House Gas (GHG) emission through trading of the Carbon Credit Certificates. The ICM will help develop a competitive carbon market that can offer incentives to industries to adopt sustainable practices to mitigate carbon emissions.

In the recently notified draft framework for the Carbon Credit Trading Scheme, 2023 by the Government of India, BEE has been given a huge responsibility to administer India's first carbon market. It will also design procedures and eligibility criteria for accrediting carbon verification agencies.

Besides, in the last quarter, BEE observed the 9th International Yoga Day (21st June) at its premises where officers and staffs participated with utmost enthusiasm. BEE emphasises on embracing a healthy lifestyle and encourages its employees for the same.

BEE also observed "Swachhta Pakhwada" between 1st February to 15th February 2023. All staff took part in the cleanliness drive. BEE is committed towards cleanliness and making its contributions to "Swachh Bharat Mission".

BEE is unflinchingly devoted to contributing to India's energy conservation efforts through innovative approaches, technologies and awareness creation. In the days to come, BEE will intensify its actions towards creating a green future.



मिलिंद देवरे

सचिव, बीईई

Milind Deore

Secretary, BEE

India leading the clean energy revolution



Shri R.K. Singh and Shri Jitendra Singh along with distinguished delegates launches website and unveils logo at CEM-14/MI-8

India, under the leadership of Prime Minister Narendra Modi, is committed to promoting clean energy to address climate change, reduce pollution, and achieve energy security.

To accelerate the deployment of clean energy and advance clean energy technology and solutions globally, the Clean Energy Ministerial (CEM) and Mission Innovation (MI) were established. Clean Energy Ministerial (CEM) was established in 2009 as a high-level global forum to promote the advancement of clean energy. Its intention is to encourage the development of policies and programmes that advance clean energy technology and solutions, share lessons learned and best practices, and to facilitate the transition to a global clean energy economy. It does so through a combination of its Annual Ministerial meeting for Energy Ministers, and year-round technical work in the form of initiatives and campaigns, led and participated in by the member governments. India is one of the founding members of the Clean Energy Ministerial (CEM) and has been, over the years since its inception, an active member of this platform. India hosted the fourth annual Ministerial meeting in New Delhi in 2013.

Mission Innovation (MI) is a global intergovernmental initiative working to accelerate clean energy innovation. The first phase was announced at COP21 on November 30, 2015, as world leaders came together in Paris to commit to ambitious efforts to combat climate change.

As the host of the 14th Clean Energy Ministerial (CEM14) and 8th Mission



CEM-14/MI-8 Website

Innovation (MI8) meetings in 2023, India aims to accelerate the deployment of clean energy. The theme of CEM14/MI-8 is “Advancing Clean Energy Together”. The events will take place in Goa from July 19-22, featuring high-level roundtables, side-events, technology showcasing, and Ministerial plenaries on July 21. The G20 Energy Transition Ministerial Meeting (ETMM) will follow on July 22.

In preparation for CEM14/MI8, Power Minister R K Singh and Minister of State for Science and Technology and Dr. Jitendra Singh launched a website and logo for the meetings. The website serves as a single-window repository of event information and enables seamless communication among stakeholders. The logo represents the diversity of engagement among countries and partners, highlighting renewable resources such as the sun, wind, and water. It emphasizes the variability of renewable energy resources and the significance of energy efficiency.

The CEM consists of 29 members, including governments of Australia, Brazil, Canada, Chile, China, Denmark, Finland, France, Germany, India, Indonesia, Italy, Japan, Korea, Mexico, Netherlands, New Zealand, Norway, Poland, Portugal, Russia, Saudi Arabia, South Africa, Spain, Sweden, the United Arab Emirates, the United Kingdom, the United States, and the European Commission. The Ministry of Power serves as India's nodal ministry, with the Director General of the Bureau of Energy Efficiency serving as the Indian sherpa to the forum.

The CEM Annual Ministerial does not generate a negotiated communiqué or impose political binding. Instead, it provides a voluntary engagement platform for members with different clean energy interests to collaborate and facilitate action on the ground. This offers India a unique opportunity to showcase its contributions to clean energy development.

The CEM's Global Lighting Challenge (GLC) campaign, inspired by India's Unnat Jyoti by Affordable LEDs for All (UJALA) program, played a crucial role in achieving the global target of 10 billion LEDs. India's Bureau of Energy Efficiency coordinated this effort, bringing together governments and industry partners. India's commitment to clean energy, its hosting of CEM14/MI8, and its efforts through initiatives like the GLC campaign demonstrate the country's leadership in the clean energy revolution. By leveraging renewable resources, investing in innovation, and collaborating globally, India strives to achieve a sustainable and prosperous clean energy future.



- The logo depicts diverse set of colours, representing diversity of engagement of countries and partners.
- Renewable resources, such as sun, wind, water are highlighted alongside both terrestrial and air.
- The crest and trough using green and blue, indicate the variability of the renewable energy resources and the blend emphasises the first fuel of energy efficiency, which cuts across all aspects of energy use.

Unnat Takniki Pradarshan Kendra Inaugurated to Promote Energy Efficiency



Shri Krishan Pal and Shri Alok Kumar Inaugurating the Unnat Takniki Pradarshan Kendra



In a significant step towards promoting energy efficiency and advancing clean technologies in various industrial sectors, the Bureau of Energy Efficiency (BEE) under the Ministry of Power has established the Unnat Takniki Pradarshan Kendra. The inauguration ceremony took place at the National Power Training Institute (NPTI) in Badarpur, New Delhi, and was graced by esteemed dignitaries, including Shri Krishan Pal, Minister of State for Power and Heavy Industries.

The Unnat Takniki Pradarshan Kendra is a demonstration centre that aims to address the pressing need for capacity-building in energy efficiency, in alignment with climate commitments. This state-of-the-art facility will not only provide training to over 10,000 energy professionals from various sectors over the next five years but will also serve as a strategic institution and a one-stop solution provider for energy professionals across India.

The centre is designed to be a hub for knowledge exchange, where industry professionals can benefit from workshops and seminars that disseminate best practices from key sectors. By showcasing the most advanced energy-efficient technologies, the centre seeks to accelerate the adoption of sustainable practices in industries such as Cement, Iron & Steel, Pulp & Paper, Textile, and Chlor-alkali.

During the inauguration, Shri Krishan Pal emphasized that the establishment of the demonstration center aligns with the vision of Hon'ble Prime Minister Shri Narendra Modi to foster technological innovation and sustainable business practices in India. He expressed confidence that the centre would facilitate the efforts of major industrial sectors in propelling economic growth while ensuring energy efficiency.



Brochure launch by Shri Krishan Pal and Shri Alok Kumar

Shri Alok Kumar, Secretary Ministry of Power, expressed his satisfaction in dedicating this modern demonstration centre to the nation. The centre's primary focus will be to promote energy conservation and sustainable practices across the Cement, Iron & Steel, Pulp & Paper, Textile, and Chlor-alkali sectors. It will



Shri Krishan Pal addressing guests at the event

provide improved access to modern energy efficiency services, technologies, and knowledge, serving as a nodal centre for the display of non-working models on proven technologies identified under the Perform, Achieve and Trade (PAT) scheme of the BEE.

The Unnat Takniki Pradarshan Kendra features three demo halls and two lecture halls, each dedicated to different sectors. The ground floor demo room caters to the Cement sector, while the first-floor demo room showcases technologies relevant to the Iron & Steel and Pulp & Paper sectors. The second-floor demo room focuses on the Textile and Chlor-alkali sectors. These rooms exhibit energy-efficient technologies such as waste heat recovery, alternative fuels and raw materials pre-processing systems, and co-processing.



Smt. Tripta Thakur, Director General, NPTI felicitating Shri Krishan Pal

In addition to its training and demonstration activities, the centre will serve as a regional hub for research and development in clean energy technologies. It plans to collaborate with renowned research institutions, including the Indian Institute of Technology (IIT), National Council for Cement and Building Materials (NCCBM), Central Pulp & Paper Research Institute (CPPRI), National Institute of Secondary Steel Technology (NISST), Jawaharlal Nehru Aluminium Research

Development and Design Centre (JNARDDC), South India Textile Research Association (SITRA), and Northern India Textile Research Association (NITRA). These collaborations will facilitate research projects and the development of emerging technologies like Hydrogen, Carbon Capture, Usage and Storage (CCUS), and Solar Thermal for the decarbonization of industries.

The Unnat Takniki Pradarshan Kendra will also support technology information sourcing and showcase energy-efficient technologies. By promoting energy conservation and sustainable practices, the centre aims to contribute to the national energy policy, enhance education and research in energy



Participants being felicitated

Government of India Introduces Carbon Credit Trading Scheme to Drive Climate Action



DG, BEE speaking at the Carbon Credit Trading Scheme event

India, known for its proactive stance on climate change, is taking further strides towards meeting global climate goals with the introduction of the Carbon Credit Trading Scheme (CCTS). Aligned with the commitments made at the Conference of Parties (COP) 26 in Glasgow, India has submitted its updated Nationally Determined Contributions (NDC) in August 2022. The Government of India aims to establish a domestic carbon market framework to encourage increased mitigation actions by both public and private sector entities, thereby supporting the achievement of India's enhanced NDC targets.

After extensive consultations with stakeholders in March 2023, the Ministry of Power has finalized and released the notification on the Carbon Credit Trading Scheme (CCTS). To implement this scheme, necessary amendments were proposed to the Energy Conservation Act, 2001 (52 of 2001) and were officially notified in December 2022. The Energy Conservation (EC) Amendment Act, 2022, empowers the Central Government, under clause (w) of Section 14, to specify the Carbon Credit Trading Scheme (CCTS).

The National Steering Committee for Indian Carbon Market (NSCICM) will be responsible for overseeing the governance of the scheme.



Delegates and representatives at the event



Shri Ashok Kumar (DDG-BEE) giving key-note address

Comprised of nine Line Ministries, Government Organisation, BEE, two State Departments, and two subject matter experts, the NSCICM will play a crucial role in establishing rules, regulations, and procedures for the institutionalization of the Indian carbon market.

Heading the administration of the Indian carbon market will be the Bureau, which will develop trajectory and targets under the compliance mechanism, issue carbon credits, and establish

market stability mechanisms, among other functions. The Grid Controller of India Limited will serve as the registry for the Indian carbon market, establishing linkages with other national or international registries as approved by the Central Government. Additionally, the Central Electricity Regulatory Commission will act as the regulator for trading activities under the Indian carbon market, overseeing matters related to the trading of carbon credit certificates.

The compliance mechanism for the Indian carbon market will draw insights from the existing framework of the Perform Achieve and Trade Scheme (PAT). This approach ensures policy consistency within India's climate and energy framework, allowing for continuity and alignment with existing initiatives and regulations. By adopting a coordinated approach, the Indian carbon market aims to contribute significantly to the



Shri Saurabh Diddi (Director-BEE) giving a presentation

nation's climate goals.

The introduction of the Carbon Credit Trading Scheme is a significant step towards bolstering India's commitment to climate action and sustainability. By fostering collaboration between various sectors and encouraging emissions reduction, the Indian carbon market will play a crucial role in driving the country's transition to a low-carbon economy.



Delegates and representatives at the event

Power Minister R K Singh launched the State Energy Efficiency Index 2021-22 report



Shri R.K. Singh, Union Minister of Power and New & Renewable Energy launching the State Energy Efficiency Index Report

India has significantly increased its emphasis on sustainable actions to accomplish green goals and is consistently making dedicated attempts towards the same. Achieving the highest level of energy efficiency is among the topmost priority for the nation today. In this effort, it has sensitised all the stakeholders to contribute their best and facilitate nation's endeavour.

Consequently, States and organisations have accelerated their actions under the guidance of the Bureau of Energy Efficiency (BEE) to reduce power consumption. They have been implementing energy efficient technologies and the best practices prevalent in the domain. With effective measures, they have recorded reduction in energy consumption. This has not only saved energy but also cut down energy bills.

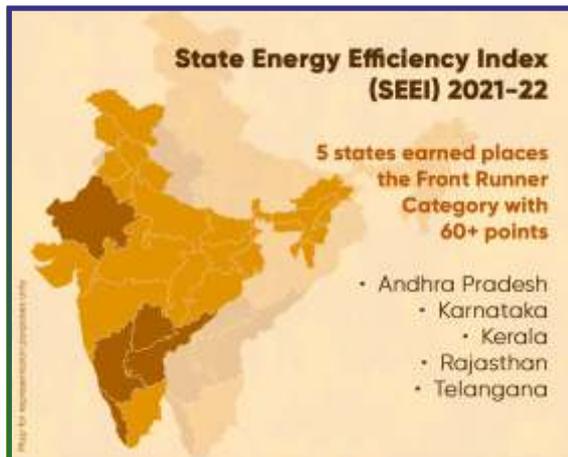
To measure the progress in this direction and gain important insights, the BEE in association with Alliance for an Energy Efficient Economy (AEEE) has prepared the State Energy Efficiency Index (SEEI) 2021-22 report. Union Minister of Power and New & Renewable Energy, Shri R. K. Singh has recently released the report during the RPM (Review, Planning and Monitoring) meeting of States and State Utilities in New Delhi. The index assesses the annual progress of states and UTs in energy efficiency implementation for FY 2020-21 and FY 2021-22.

The report contains 50 indicators aligned with national priorities and analysed the efficacy of energy efficiency efforts in the nation. In order to track outcomes and impacts of state-level energy efficiency initiatives, the report has included programme-specific indicators this year.

In the report, 5 States - Andhra Pradesh, Karnataka, Kerala, Rajasthan and Telangana - have been declared the Front Runner category (>60 points), while 4 states - Assam, Haryana, Maharashtra, and Punjab - are in the Achiever category (50-60 points). Furthermore, the report shows that Karnataka, Andhra Pradesh, Assam and Chandigarh are the top-performing states in their respective state groups. Telangana and Andhra Pradesh showcased tremendous improvement since the last index.



The SEEI improves data collection capabilities of India while enabling cross-state collaboration and developing energy efficiency program ideas. It helps states identify areas for improvement, learn



from best practices, and adopt an economy-wide approach to energy efficiency implementation. By prioritising energy efficiency, it aims at driving decarbonisation efforts and achieving a more sustainable future.

This index will help track progress on state goals for energy savings and reduction in emission intensity. It will strengthen the decision making ecosystem, enabling policymakers to decide on fiscal assistance for energy efficiency in the focus sectors. Besides, the index will help in developing institutional capacity in states and UTs to address emerging needs and challenges in energy

efficiency implementation. This will also enhance cross-functional collaborations across financial institutions, energy service companies, and energy professionals in large-scale energy efficiency implementation in states, and most importantly, mainstream energy data reporting and monitoring across sectors.

The report will help India drive energy efficiency actions, which is crucial to achieve SDG and environmental goals. This will also support India's transition to a low-carbon economy. The BEE with its innovative and state-of-the-art solutions is constantly pushing the boundaries in the energy efficiency segment and empowering organisation to not only set ambitious goals but accomplish them as well. The report is the testimony of this commitment.

ऊर्जा दक्षता ब्यूरो ने स्वच्छता पखवाड़े से करी जनजागृति



योग दिवस के कार्यक्रम में शामिल हुए बीईई कर्मचारी



स्वच्छता पखवाड़े में स्वच्छता के संकल्प की शपथ

महात्मा गांधी ने अपने आसपास के लोगों को स्वच्छता बनाए रखने संबंधी शिक्षा प्रदान कर राष्ट्र को एक उत्कृष्ट संदेश दिया था। उन्होंने "स्वच्छ भारत" का सपना देखा था जिसके लिए वह चाहते थे कि भारत के सभी नागरिक एक साथ मिलकर देश को स्वच्छ बनाने के लिए कार्य करें। महात्मा गांधी के स्वच्छ भारत के स्वप्न को पूरा करने के लिए, प्रधानमंत्री श्री नरेन्द्र मोदी जी ने 2 अक्टूबर 2014 को स्वच्छ भारत अभियान का शुभारंभ किया। प्रधानमंत्री श्री मोदी जी की क्रांतिकारी अभियानों में से एक 'स्वच्छ भारत अभियान' अपने आप में अनूठा है। भारत सरकार की यह पहल प्रशंसनीय है। इस अभियान के अंतर्गत संपूर्ण भारत को स्वच्छ सुंदर पर निर्माण बनाना है।

"जो परिवर्तन आप दुनिया में देखना चाहते हैं वह सबसे पहले अपने आप में लागू करें।" —महात्मा गांधी के इस कथन को करनी में परिवर्तित करने के लिए आरकेपुरम स्थित ऊर्जा दक्षता ब्यूरो ने 16 से 31 मई



स्वच्छता पखवाड़ा निबंध प्रतियोगिता: स्वच्छता के संकल्प से समृद्धि की ओर!

2023 तक स्वच्छता पखवाड़े का आयोजन कर स्वच्छता के प्रति जागरुकता जगाने के लिए बड़ा संदेश दिया। ऊर्जा के उपयोग में दक्षता (एफिसिएन्सी) बढ़ाने के लिए कार्य कर रही ऊर्जा दक्षता ब्यूरो ने इस बार स्वच्छता पखवाड़े के माध्यम से जनजागृति किया। इस अभियान के माध्यम से कार्यस्थल को साफ रखने, प्लास्टिक के विकल्पों को अपनाने, कचरे का

दुबारा इस्तेमाल, सुरक्षित समापन, वैज्ञानिक तरीके से प्रबंधन और वेस्ट सेग्रीगेशन आदि के बारे में विस्तार से बताया गया। इस अवसर पर बीईई के निदेशक श्री सौरभ डीडी ने सभी अधिकारियों एवं कर्मचारियों को स्वच्छता की शपथ दिलवाकर स्वच्छता के लिए जागरुक एवं स्वच्छता और साफ सफाई रखने के लिए प्रेरित करने का प्रयास किया। 'स्वच्छता पखवाड़ा कार्यक्रम' के दौरान "स्लोगन राइटिंग" का आयोजन किया गया। इसके तहत, ब्यूरो के कर्मचारियों और अधिकारियों ने साफ-सफाई से संबंधित कई तरह के नारे लिखे और स्वच्छता को व्यवहार परिवर्तन का हिस्सा बनाने को प्रेरित किया। स्वच्छता से स्वास्थ्य, स्वास्थ्य से समृद्धि और समृद्धि से विकास का रास्ता तय होता है। इन्हीं बातों को ध्यान में रखते हुए, बीईई में स्वच्छता पखवाड़ा के अंतर्गत, 'निबंध लेखन प्रतियोगिता' का आयोजन किया। इस प्रतियोगिता के तहत ब्यूरो के कर्मचारियों ने स्वच्छता के विभिन्न आयामों और स्वच्छ भारत में युवाओं की भूमिका पर निबंध लिखे। ऊर्जा दक्षता ब्यूरो में 'स्वच्छता पखवाड़ा' के तहत, 'क्विज प्रतियोगिता' का भी आयोजन किया गया। इस क्विज में ब्यूरो कर्मचारियों ने भारी उत्साह के साथ भाग लिया।

स्वच्छ भारत अभियान एक राष्ट्रीय स्वच्छता मुहिम है जो भारत सरकार द्वारा स्थापित किया गया है। इस मिशन की कार्यवाही निरंतर चलती रहनी चाहिये। भौतिक, मानसिक, सामाजिक और बौद्धिक कल्याण के लिये भारत के लोगों में इसका एहसास होना बेहद आवश्यक है। जैसा कि हम सभी ने कहावत में सुना है 'स्वच्छता भगवान की ओर अगला कदम है'। हम विश्वास के साथ कह सकते हैं कि, अगर देश का प्रत्येक नागरिक प्रभावी रूप से इसका अनुसरण करे तो आने वाले समय में, स्वच्छ भारत अभियान से पूरा देश भगवान का निवास स्थल सा बन जाएगा। एक सच्चे नागरिक होने का हमारा कर्तव्य है कि, न गंदगी फैलाएं न फैलाने दें।



स्वच्छता के संकेत के साथ एक बेहतर आज और कल के लिए!

अंतर्राष्ट्रीय योग दिवस पर ब्यूरो के लोगों ने योग के जरिए निरोग रहने की ली शपथ



योग सत्र से स्वस्थ शरीर, शांत मन, और ऊंची आत्मा की दिशा में एक साथ चलने का संदेश

योग दिवस के उपलक्ष्य में, ऊर्जा दक्षता ब्यूरो (बीईई) के मुख्यालय में एक उत्साहवर्धक योग सत्र का आयोजन किया गया। इस सत्र में बीईई के महानिदेशक श्री अभय बाकरे ने योग के माध्यम से स्वास्थ्य और फिटनेस के महत्व को बताया और उसे अपने दैनिक जीवन में शामिल करने के प्रति प्रेरित किया। योग सत्र की शुरुआत करते हुए, श्री अभय बाकरे ने कहा, “योग हमारे शारीरिक और मानसिक स्वास्थ्य के लिए एक महत्वपूर्ण उपाय है। नियमित योगाभ्यास से हम अपने शरीर को तंदरुस्त और मन को शांत रख सकते हैं। योग करने से स्ट्रेस कम होता है और ऊर्जा की स्तर बढ़ता है जिससे हमें दैनिक जीवन में अधिक उत्साह और खुशियां मिलती हैं।”

सत्र में उपस्थित योग प्रशिक्षक ने विभिन्न योग मुद्राओं का प्रदर्शन किया और उन्हें कार्यालय में आसानी से करने के तरीके बताया। इसके साथ ही, उन्होंने योग के फायदे और नियमित अभ्यास के लाभों पर चर्चा की। योग सत्र में बीईई के कर्मचारियों ने योग को अपने जीवन का एक नियमित हिस्सा बनाने का संकल्प लिया।

इस योग सत्र के माध्यम से, बीईई ने अपने कर्मचारियों के विचारों को स्वास्थ्य और फिटनेस के महत्व के प्रति जागरूक करते हुए योग को एक सामाजिक और शारीरिक सुखद जीवन का माध्यम माना। इस उपलक्ष्य में, बीईई ने योग दिवस के साथ मिलकर योग के प्रति लोगों की जागरूकता को बढ़ाने के लिए सकारात्मक पहल किया।

योग का इतिहास विशाल और प्राचीन है, और यह विभिन्न योगियों और ऋषियों ने विकसित किया गया है। योग के माध्यम से शरीर, मन, और आत्मा के बीच संतुलन बनाया जाता है और इससे अच्छे स्वास्थ्य, मानसिक शांति, और ऊंचाईयों को प्राप्त करने का मार्ग मिलता है। इस वर्ष के अंतर्राष्ट्रीय योग दिवस की थीम "वसुधैव कुटुंबकम के लिये योग" थी जो भारत की सामाजिक-सांस्कृतिक विरासत पर प्रकाश डालती है और एकता को बढ़ावा देती है। प्रधानमंत्री श्री नरेंद्र



कार्यालय में योग: शांति और स्वस्थता के लिए एक प्राकृतिक अभ्यास!

मोदी जी ने न्यूयॉर्क में संयुक्त राष्ट्र मुख्यालय में योग के प्रति वैश्विक प्रतिबद्धता प्रदर्शित करते हुए योग का नेतृत्व किया। आयुष मंत्रालय ग्रामीण स्तर पर "हर आँगन योग" अर्थात् हर घर के में योग को प्रोत्साहित करता है। 27 सितंबर 2014 में भारत के प्रधानमंत्री नरेंद्र मोदी ने संयुक्त महासभा में दुनिया के तमाम देशों से योग दिवस को मनाने का आह्वान किया। पीएम मोदी के इस प्रस्ताव को संयुक्त राष्ट्र महासभा ने स्वीकार कर लिया और तीन माह के अंदर अंतर्राष्ट्रीय योग दिवस के



संतुलित जीवन और सकारात्मकता का चमत्कार कार्यस्थल में योग से सिखाया गया!

आयोजन का ऐलान कर दिया। इसके बाद पहली बार 21 जून 2015 को पहला अंतर्राष्ट्रीय योग दिवस मनाया गया। विश्व स्वास्थ्य संगठन ने भी अपने सदस्य देशों को योग का अभ्यास करने के लिये कहा है और इसे वर्ष 2018-30 की शारीरिक गतिविधि के लिये अपनी वैश्विक कार्य योजना में शामिल किया है।

योग के माध्यम से शरीर, मन, और आत्मा के बीच संतुलन बनाया जाता है और इससे अच्छे स्वास्थ्य, मानसिक शांति, और ऊंचाईयों को प्राप्त करने का मार्ग मिलता है।

A Spark of Powerful Endeavours in April

2nd Energy Transition Working Group (ETWG) Meeting at Gandhinagar



DG, BEE speaking at the 2nd ETWG Meeting

BEE organized side event on, "Enabling a Global Transition to Sustainable Cooling", in partnership with the United Arab Emirates (UAE) COP28 Presidency and the United Nations Environment Programme's Cool Coalition on 3rd April 2023 at Gandhinagar during the side lines of 2nd ETWG meeting held on 2nd April-4th April, 2023 at Gandhinagar. The main idea was to rally momentum for global action and increased ambition on sustainable cooling, including through the G20 and COP28 processes. The deliberations highlighted country and organisations' actions on sustainable cooling, in particular the lessons and experiences that India has championed as a global leader in its transition to sustainable cooling, as well as emphasize how G20 and COP28 processes can amplify these and enhance global collaboration. A site visit to Gujarat International Finance Tec-City (GIFT) was also organised. The purpose of the visit was to demonstrate District Cooling Systems.

Report of State Energy Efficiency Index released by Union Minister of Power and New & Renewable Energy

On April 10, 2023, the Union Minister of Power and New & Renewable Energy, Shri R. K. Singh, released the State Energy Efficiency Index (SEEI) 2021-22. The Index, developed by the BEE in collaboration with the Alliance for an Energy-Efficient Economy (AEEE), evaluates the progress made by states and union territories in implementing EE measures during 2020-21 and 2021-22.



DG, BEE showcasing data at the event

The SEEI 2021-22 categorizes five states (Andhra Pradesh, Karnataka, Kerala, Rajasthan, and Telangana) as Front Runners, with scores exceeding 60 points. Four states (Assam, Haryana, Maharashtra, and Punjab) fall under the Achiever category, with scores ranging between 50 and 60 points. Among the respective state groups, Karnataka, Andhra Pradesh, Assam, and Chandigarh are the top-performing states. Telangana and Andhra Pradesh have shown significant improvement since the last index.

First Sectoral Meet for Chlor-Alkali Sector held at Bureau of Energy Efficiency Headquarters



SAG members in discussion

The inaugural meeting of the Sectoral Advisory Group (SAG) for the Chlor-Alkali Sector took place at the headquarters of the Bureau of Energy Efficiency on April 11, 2023. The SAG members engaged in fruitful discussions on key subjects, including Low Carbon Technologies and upcoming research and development projects

within the Chlor-Alkali Sector. Moreover, there were discussions on organizing Capacity Building Workshops in clusters to disseminate knowledge about the latest technologies in relevant processes, both at the international and domestic levels. Possible interventions to promote advancements in the sector were also explored during the meeting.

Contract Signing Ceremony to provide manpower support to DISCOMs

The "Capacity Building of DISCOMs" program, specifically focusing on Demand Side Management (DSM) and Energy Efficiency (DSM & EE), is a significant initiative led by the Bureau of Energy Efficiency (BEE). With the aim of supporting DISCOMs, BEE is providing valuable technical assistance to implement effective DSM measures.

A momentous contract signing ceremony was organized on the 20th of April 2023, with Shri Milind Deore, Secretary of BEE, chairing the event. Esteemed representatives from PwC, ICF, and GreenTree also graced the occasion. This collaborative effort signifies a strong partnership between BEE and the aforementioned organizations.

Under this program, BEE has meticulously developed DSM action plans, which will aid DISCOMs in reducing their peak power demand. By effectively implementing these action plans, DISCOMs will achieve significant benefits. Most notably, it will lead to a reduction in electricity costs for consumers.



Secretary BEE along with esteemed representatives

Transmitting New Hope of Energy Efficiency in May

6th Talk Series on "Transition to Modern Energy for Cooking

On May 4, Shri Abhay Bakre, Director General, BEE participated in the 6th Talk Series on "Transition to Modern Energy for Cooking: Star Labelling for the Induction Cookstove which was conducted by Modern Energy Cooking Services in partnership with CLASP through Finovista. In the Talk Series, he shared the benefits of BEE's Star Labelling programme of Induction Hobs. He further added that increased purchasing power, product innovation and technological improvements are expected to boost the Indian induction hobs market further in the coming years. This initiative will save 3.2 million tonnes of CO2 emissions by 2030. Shri Bakre emphasised that the domestic market of induction hobs in India has grown from 2.6 million units in 2014-15 to 4.1 million units in 2018-19.



DG, BEE presiding over the talk series along with other participants

BEE conducts Stakeholder Consultation for Accredited Carbon Verifiers



DG, BEE giving a keynote address

On May 10, BEE conducted Stakeholder Consultation for Accredited Carbon Verifiers as it called for potential Verification Agencies under Indian Carbon Market (ICM) for a consultative session to share insights & feedback on proposed Monitoring, Reporting & Verification process under ICM. On this occasion, Shri Abhay Bakre, Director General, BEE spoke on the need to build a strong & robust pool of verifiers to ensure that the Indian Carbon Market is one of the top Carbon Markets in the World.

MoU Signing Ceremony between BEE, SDAs and DISCOMs at Gurugram



Members of BEE, SDAs and DISCOMs at the MoU Signing Ceremony



Group photo of the stakeholders



MoU signing and exchange

Haryana Renewable Energy Development Agency (HAREDA), in collaboration with the Bureau of Energy Efficiency (BEE) under the Ministry of Power, Government of India, organized a significant event on May 12, 2023. The occasion was a Memorandum of Understanding (MoU) signing ceremony held at Hotel Sky City in Gurugram, Haryana. The purpose of the event was to officially initiate the implementation of demand-side management strategies as part of the "Capacity Building of DISCOMs Programme" for the northern zone. This project reached a noteworthy milestone with the signing of the MoU, which brought together key stakeholders including BEE, SDAs and DISCOMs.

The MoU signing took place in the presence of distinguished individuals such as Shri Milind Deore, Secretary of BEE, Shri Sunit Mathur, General Manager of RREC, and Shri Ashok Kumar Srivastava, Senior Project Officer of UPNEDA.

3rd Energy Transition Working Group (ETWG) meeting at Mumbai, Maharashtra



3rd ETWG meeting in progress



Secretary Power sharing his valuable opinion

The 3rd Energy Transition Working Group (ETWG) meeting under India's G20 Presidency has been convened successfully at Mumbai, Maharashtra from 15th May, 2023 to 17th May, 2023. BEE organize three side events during the side line of 3rd ETWG meeting –

1. “Sharing global policies and best practices to decarbonize “Hard to Abate” sectors” with United Nation Industrial Development Organization (UNIDO), TERI, and LeadIT.
2. “Accelerating Energy Efficiency Progress and Promoting LiFE (Lifestyle for Environment)” in association with Seforall and AEEE.
3. Synergising the Energy Transition pathways of G20 ETWG and B20, India” in association with CII & B20 India.

Launch of Website and unveiling of logo for Clean Energy Ministerial

Union Power and New & Renewable Energy Minister R. K. Singh and Union Science & Technology Minister Dr. Jitendra Singh launched the website and logo on 25th May, 2023 for 14th Clean Energy Ministerial and 8th Mission Innovation meeting (CEM14/MI-8) planned in Goa during 19th to 22nd of July, 2023. This year's Clean Energy Ministerial (CEM) and Mission Innovation (MI) meetings will bring together governments, international organizations, private sector, academia, innovators, civil society, early career researchers and policymakers over a four-day program featuring high-level ministerial dialogues, global initiative launches, award announcements, minister-CEO roundtables and a wide array of side-events cutting across diverse themes of clean energy transition. CEM14 / MI8 will also feature a public-facing technology showcase demonstrating cutting-edge advances in clean energy from India and around the world. The Joint CEM-14/MI-8 Ministerial plenaries are scheduled for July 21, 2023, back-to-back with G20 Energy Transition Ministerial Meeting will be held on 22nd July 22.



Shri R.K. Singh and Shri Jitendra Singh launching the website and unveiling the logo



Discussion in progress



Empowering Progress in June

Conference on Consumer-Centric Approaches for E-cooking



Addl. Secretary, Power addressing the conference

In commemoration of World Environment Day on June 5th, 2023, BEE in collaboration with CLASP, organized a Conference on Consumer-Centric Approaches for E-cooking Transition. The prestigious event took place at the Hayat Hotel in New Delhi. The primary objective of the conference was to facilitate a dialogue among institutional consumers, consumer research groups, policymakers, think tanks, and manufacturers, with

a focus on devising strategies for a smooth and successful transition to electric cooking.

During the one-day conference on Consumer-Centric Approaches to E-cooking Transition, participants delved into various factors that facilitate the widespread adoption of e-cooking solutions. Key areas of exploration included finance mechanisms, demand aggregation strategies, carbon credits, and innovative business models. It also brainstormed on consumer-centric approaches and behaviours to bring e-cooking transition. Finally, there was a presentation given by Energy Efficiency Services Limited, on an e-cooking market transformation program. BEE also gave a presentation on initiatives undertaken to promote e-cooking.

Blood Donation Pledge Ceremony organised by BEE



In celebration of World Blood Donor Day, BEE organised a significant Blood Donation Pledge Ceremony. Participants included dedicated officers and staff who wholeheartedly committed to voluntarily donating blood to those in dire need. This collective resolution aims to extend a helping hand to individuals requiring this life-saving resource.

BEE participated in World Environment Expo

The Bureau of Energy Efficiency (BEE) actively participated in the prestigious 4th Edition of the World Environment Day Expo 2023, which took place from the 5th to the 7th of June. BEE showcased its innovative initiatives and projects dedicated to energy conservation in a well-designed 9-square-meter stall. The stall attracted a significant number of distinguished delegates, who showed keen interest in learning about the various energy conservation projects undertaken by the organization. They were provided with comprehensive briefings, gaining valuable insights into the impactful work carried out by BEE.

Honorable Union Minister of State, Shri Ashwini Kumar Choubey, from the Ministry of Environment, Forest and Climate Change, Government of India, inaugurated this esteemed event, adding prestige and significance to the occasion.



Visitors in the BEE Stall at the World Environment Expo 2023

Awareness workshop on Implementation of Energy Efficiency in Indian Railways at India Habitat Centre, New Delhi

BEE, with the approval of the Railway Board, organized a one-day Awareness Workshop in New Delhi on June 12, 2023, with the objective of providing an overview of the Perform, Achieve, and Trade (PAT) program. The Workshop aimed to familiarize railway officials with the activities encompassed under PAT and raise awareness about the various energy efficiency schemes implemented by BEE (Bureau of Energy Efficiency). More than 70 senior level officers from Indian Railways participated in this Workshop. The Workshop involved participants from various stakeholders from Indian Railways like Senior officers from Railway Board/Ministry of Railways (MoR), Railway Workshops/Zonal Railways/Production Units etc.

The program commenced with an introductory address by the Director-General of BEE, extending a warm welcome to the esteemed Chief Guest and all other distinguished participants. The Director-General provided a concise overview of BEE's various energy efficiency initiatives, emphasizing their significance in addressing climate change. Furthermore, he shed light on the operational framework of the scheme and highlighted the ongoing energy transition endeavors undertaken by the Railways.

The Director-General, representing BEE, apprised the participants of the Bureau's collaborative efforts with the Ministry of Power (MoP) and the Ministry of Environment, Forest and Climate Change (MoEFCC) in developing the Indian Carbon Market (ICM). This innovative initiative aims to facilitate the generation of new opportunities for emissions



DG, BEE at the Awareness Workshop

reduction by both private and public entities through the demand for emission credits.

In his address, the Director-General underscored the importance of such initiatives in promoting sustainable practices and encouraged active participation from the attendees to maximize the potential of these energy efficiency schemes.

Inauguration of Unnat Takniki Pradarshan Kendra at NPTI



Shri Krishan Pal inaugurating the UTPRERAK

Shri Krishan Pal, Minister of State for Power and Heavy Industries, inaugurated the UTPRERAK (Unnat Takniki Pradarshan Kendra) at the National Power Training Institute (NPTI) in Badarpur, New Delhi . The event was attended by esteemed guests, including Shri Alok Kumar, Secretary, Ministry of Power, Shri Ajay Tewari, Additional Secretary, Ministry of Power, Shri Abhay Bakre, Director General, Bureau of Energy Efficiency (BEE), Dr. Tripta Thakur, Director General, NPTI, and Dr. Ashok Kumar, Deputy Director General of BEE. The Demonstration Centre will act as a centralized hub for showcasing models of energy efficient technologies under the Perform, Achieve and Trade scheme of the Bureau of Energy Efficiency for the energy incentive sectors.



Shri Krishan Pal addressing the audience

Launch of National Energy Data: Survey and Analysis 2021-22 Report



Shri R.K. Singh along with members at the launch of National Energy Data: Survey and Analysis Report Launch

First Comprehensive Report of EDMU titled "National Energy Data: Survey and Analysis" for the year 2021-22 has been launched by Hon'ble Cabinet Minister of Power and NRE on 23rd June, 2023. The report has been prepared by Ministry of Power through Bureau of Energy Efficiency in collaboration with NITI Aayog, various line Ministries and Departments, institutions, and other stakeholders. The report contains extensive data compiled for the last six years, i.e., from FY 2016-17 to FY 2021-22, along with trends and analysis of fuel-wise energy consumption in major end-use sectors.

Post Audit Workshop at Ludhiana, Punjab (Textile Sector)



Post Audit Workshop in progress at Ludhiana, Punjab

To strengthen this MSME ecosystem and increase its viability, the Bureau of Energy Efficiency (BEE) has evolved with many interventions to address the various challenges faced by MSMEs in India. In its further developmental efforts, BEE has initiated the project "Energy and Resource Mapping of MSME Clusters in India" with an objective of energy mapping of different energy-intensive MSME clusters of the Textile sector in India and develop policy recommendations and implementation road map for the sector to make it energy & resource efficient as well as environment friendly.

Detail energy audit was conducted at Ludhiana Textile cluster. To disseminate the findings and outcomes of the study, post audit workshop was held on 24th June, 2023 at Ludhiana where stakeholder from cluster association, official of PEDDA, DIC were attended.

Post Audit Workshop at Kaithal, Punjab (Food Processing Sector)

The Bureau of Energy Efficiency, Government of India is conducting an Energy and Resource Mapping Study for the Food sector with an ultimate objective of formulating policies and implementation plans for pacing up the energy efficiency initiatives in the food clusters across India. The study aims to identify the present scenario of energy consumption, existing processes, technologies vintage and readiness of the cluster in adopting energy efficient solutions.



Presentation on Energy and Resource Mapping Study at Kaithal, Punjab

In order to disseminate the results and outcomes of the study carried out in the Kaitha & Karnal Rice Cluster, post-audit workshop was held on 30th June, 2023 at Kaithal, Punjab where stakeholder from cluster association and BEE officials were attended.

State Energy Efficiency Action Plan (SEEAP)

Validation workshop at Aizawl, Mizoram - May 31

A validation workshop was held on May 31st, 2023 at Aizawl, Mizoram to discuss the State Energy Efficiency Action plan (SEEAP). Attendees included key officials, from the relevant state government departments and agencies & stakeholders

Led by Shri Lalengmawia, IAS, Power Secretary and Commissioner, Govt of Mizoram, the workshop reviewed and approved the action plans. This workshop was a crucial step towards finalizing Mizoram's action plan, which will guide state Government departments and agencies in adopting sustainable energy efficiency strategies across key economic sectors in the state.



Validation Workshop at Kohima, Nagaland - June 3

A validation workshop was held at Kohima, Nagaland, to discuss the State Energy Efficiency Action Plan (SEEAP). The workshop was led by Smti. Asangla Imiti, NCS, Commissioner & Secretary (Power), Government of Nagaland, and attended by senior officials from relevant departments and the state designated agency.

The State-specific action plan on energy efficiency is being developed By BEE in collaboration state designated agencies and all relevant stakeholders Departments of Nagaland Govt. The action plan aims to guide government departments and agencies in adopting sustainable and long-term energy efficiency strategies across key economic sectors in the state.



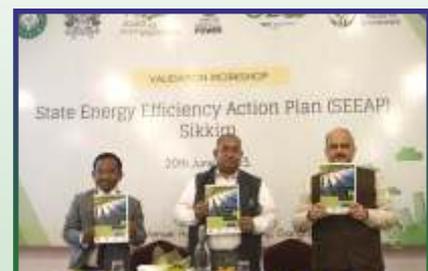
Validation Workshop at Leh - June 12

A workshop on the State Energy Efficiency Action Plan (SEEAP) for the Union Territory of Ladakh was organized under the chairmanship of Shri Ravinder Kumar, IAS, Secretary (Power) Ladakh at DC conference Hall Leh on 12 June, 2023. During the inaugural address, he emphasized the vast potential for energy efficiency in the region and he highlighted the versatile applicability of passive solar technology across various sectors, including agriculture, housing, and animal husbandry. He further added that the Action Plan on EE would majorly highlight on reduction of carbon emission and means to be energy efficient.



Validation Workshop at Sikkim - June 20

The Power Department Sikkim organised a successful validation workshop on the State Energy Efficiency Action Plan (SEEAP) at Gangtok under the chairmanship of Shri V.B. Pathak, IAS, Chief secretary, Govt of Sikkim. The workshop brought together officials from different departments to review and enhance the action plan. Its primary objective is to foster collaboration among stakeholders and work towards a sustainable energy future for the state. This workshop marks a significant milestone in Sikkim's efforts to achieve energy efficiency and sustainability. During his address he highlighted the importance of EE and its role in awakening a sustainable and resilient future for sikkim.



Investment Bazaar scripts success story in supporting energy efficiency projects

Energy Efficiency Financing Platform (EEFP) is one of the initiatives of Bureau of Energy Efficiency (BEE) under National Mission for Enhanced Energy Efficiency (NMEEE). NMEEE is one of the eight national missions under the National Action Plan on Climate Change (NAPCC) launched by the Government of India in 2008.

Under EEFP, BEE launched Investment Bazaar to provide a platform to interact with Original Equipment Manufacturers (OEMs), Energy Service Companies (ESCOs), Financial Institutions (FIs), MSMEs, large industries and project developers to facilitate implementation of energy efficiency projects. In addition, it allows the stakeholders to showcase and learn about various bankable energy efficiency projects, creating awareness around the financing potential of energy efficient technologies. The Investment Bazaars are organized in association with State Designated Agencies (SDAs), where every state is required to organize a one-day physical workshop, known as, "Investment Bazaar" for enabling financing of such projects in the state.

Till date, 26 Investment Bazaar events have been organized across states, where investment potential of more than Rs. 2300 Crore has been identified in energy efficiency. This platform has eased the representation of EE projects/technologies and encouraged better deals for financing of these energy efficient projects. Recently, four Investment Bazaars were organized in May 2023 where investment potential of Rs 527.75 Crore was identified in energy efficiency projects.



Photo collage of Investment Bazaar organized in the state of Assam (Guwahati), Uttar Pradesh (Kanpur), Madhya Pradesh (Bhopal) and Tamil Nadu (Chennai).

Capacity Building Program for FIs



Officials from FIs across India for a group photo session

To empower financial institutions with the knowledge of energy efficiency projects, Bureau of Energy Efficiency (BEE) organized pan India capacity building workshops for financial institutions (FIs) on Energy Efficiency (EE) financing in association with the National Power Training Institute (NPTI). The 2-day residential workshops to train officials from FIs across India, have been designed to introduce all important facets of energy efficiency projects and its financing to help financial institutions in building their understanding on energy efficiency and their assessment.

In addition, these workshops aim to provide platform to showcase advantageous points of EE projects' financing over others, and also bust the myths around energy efficiency financing. With diverse and experienced speakers, the platform is intended to be made as interactive as possible. Moreover, the bankers who have benefitted from financing of these projects are also invited to share their experiences. This workshop has therefore been pivotal in strengthening of banks/NBFCs/MFIs on EE initiatives, programmes, imparting knowledge on EE measures / technologies, future prospects and assessment.

BEE launched training workshops for financial institutions on Energy Efficiency financing in June 2015 with Phase I (training of trainers). Phase II for individual training workshops was completed during 2017 to 2019. In Phase III, NPTI completed six training workshops (Nov 2022 to March 2023) for FIs on EE financing and more than 140 participants were trained. Total 826 participants from 76 banks/NBFCs received training on EE financing from different parts of the country.

World Environment Day: Actions required to create a sustainable future



Pledge taking ceremony at the Conference for E-Cooking Transition

In order to create awareness and a sense of responsibility about the protection of the environment, World Environment Day is observed on June 5 every year. When India today aims to accomplish various developmental goals while following environmental protection measures, this day holds special significance for us. It reminds us of the necessity to take responsible actions towards adopting sustainable practices in different aspects of life, conserving resources, and reducing carbon emissions.



Visitors at the BEE World Environment Expo 2023 Stall

BEE has been devotedly working towards promoting eco-friendly practices. It has always supported the efforts and actions of the Government of India towards environmental protection.

On the 50th anniversary of World Environment Day, BEE attracted people's attention towards a crucial subject, i.e., e-cooking. It organized "Conference on Consumer-Centric Approaches for E-cooking Transition" and brought together various stakeholders to discuss strategies for the transition to electric cooking. The aim was to accelerate the deployment of energy-efficient, clean and affordable e-cooking solutions in the country. Given our large population, a shift to e-cooking methods can have the biggest impact on the planet.

The promotion of e-cooking is a natural way for India to move ahead towards accomplishing the SDG goals, which are to be achieved by 2030. Electric cooking is the future, and consumer participation is very important here.

Moreover, BEE also participated in the 4th edition of the World Environment Day Expo-2023 at Pragati Maidan, New Delhi. The BEE stall was a major attraction during the event, which drew more than 200 visitors curious to know about energy-efficient practices and solutions. BEE displayed its schemes and programmes aimed at facilitating India's energy efficiency actions. It showcased its achievement, 240-degree AC, Perform, Achieve & Trade (PAT), S&L, LIEF projects, and EV charging solutions.

As a responsible organisation, BEE is committed to promoting environmental conservation measures.

GO FOR GREEN FOR A SUSTAINABLE FUTURE





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