

# बीईई लाईन



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समाचार पत्रिका

# BEE LINE

NEWSLETTER





CONSERVE ENERGY ✦  
SAVE FUTURE, SAVE LIFE!

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**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, इलैक्ट्रॉनिक, मैकेनिकल, फोटोकॉपी, रिकॉर्डिंग या अन्य किसी तरीके से इस्तेमाल नहीं किया जा सकता। इस सामग्रीके अनधिकृत उपयोग पर कानूनी कार्रवाई की जा सकती है।

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**अभय बाकरे**  
महानिदेशक, बीईई

**Abhay Bakre**  
Director General, BEE

## DG Message

India is a country with diversity. The needs are varied but they are bounded together with the need of energy. But today, due to the rapid rise of global warming or climate change, energy-efficient measures both at micro and macro level have become the need of the hour. The Energy Conservation Building Code and Eco-Niwas Samhita implemented by BEE have helped people to adopt to energy efficient building practices. Implementation of such programmes have also shown results with monetary savings of Rs. 152241 crores per year.

BEE has organized 15 awareness workshops on DSM action plans at 15 DISCOMs in association with the designated agency of the state. The purpose of conducting these workshops was to implement at least 50% of the DSM measures. The Perform, Achieve and Trade scheme to increase the energy efficiency in the industries has also been immensely successful. After the implementation of this scheme, till date, 24 MTOE energy savings have been made. Moreover, the electric mobility achievements have also reduced the CO<sub>2</sub> emissions by a significant rate.

It has also proved to be blissful for the nation's agriculture. The Agriculture Demand Side Management programme has helped to achieve the installation of 81173 energy efficient pump sets. To promote energy efficiency and renewable energy in MSME BEE collaborated with UNIDO to organize a 2 day Technology Exhibition cum Vendor Interfacing Workshop at Coimbatore.

Going at this pace, BEE can help the nation realise its energy efficient dream.





**आर.के. राय**  
सचिव, बीईई

**R.K. Rai**  
Secretary, BEE

## SECRETARY Message

With the rise in the economic growth, the consumption rate of energy is also on the rising curve. At BEE, we are determined to meet the country's energy needs. Various schemes, strategies, initiative and implementation programme on a large scale are already in effect to meet the county's energy demand. In the first quarter of the financial year 2022-23, we have set up a Facilitation Centre to encourage up-scaling of energy efficiency financing in the country. The purpose here is to assimilate willingness forms and spread awareness to various stakeholders and beneficiaries such as large industries, MSMEs, Commercials and Institutional Buildings.

Facilitation Centres have also conducted webinars in more than 14 states. They have received 63 projects from various industries with a total project cost of more than Rs. 1000 crore. Recently, in September 2022, a comprehensive list of 76 EE technologies for financing has also been launched. In addition to this, Ministry of Power, Government of India has notified another 198 DCs under PAT – VII for 707 industries. A nationwide public charging infrastructure has also been implemented. Under this, EV Accelerator Cells have been created in 7 states across 9 cities all over the nation.

To review the progress of the PAT cells established in the East and North-East Zones, BEE in association with Assam SDA also organized a workshop in Guwahati in September 2022. Furthermore, to encourage the people for their outstanding contribution in the energy sector, the 32<sup>nd</sup> National Conservation Energy Awards 2022 was organised to facilitate them. This year marks the 75<sup>th</sup> year of India's independence. To celebrate it, BEE under the aegis of Ministry of Power celebrated 'Ujjwal Bharat Ujjwal Bhavishya' to highlight the achievements of the Power sector.



## BEE's Facilitation Centre

In the first quarter of Financial Year 2022-23 Bureau of Energy Efficiency (BEE) set-up a **Facilitation Centre** for encouraging and up-scaling Energy Efficiency Financing in the country. The **objective of the Facilitation Centre** is to collect the willingness forms and spread awareness of BEE's financing schemes among **various beneficiaries** like large industries /DCs under the PAT Scheme of BEE, MSMEs, Commercial and Institutional buildings, Municipalities, Corporations, and Commercial establishments, **prepare the list of Energy Efficient (EE) Technologies;** and **develop an Online Platform** for mobilizing EE financing in the country.



Facilitation Centre has conducted webinars in more than 14 states with the support from various SDAs from states. The participants of these webinars covered a large spectrum of stakeholders. More than 1000 large industries, MSMEs, ESCOs, industry associations, etc. attended these webinars.

Facilitation Centre has received **63 projects** from various industries including MSMEs, ESCO, covering sectors such as Cement, Steel, Textile, Power Plant, EVs, Commercial Building etc. having total Project Cost over **Rs. 1000 crore**.

A comprehensive list of **76 EE Technologies for financing** has been launched by BEE in September, 2022. This list has been prepared by Facilitation Centre in consultation with BEE and technical experts.

Till date **22 Financial Institutions (Banks & NBFCs)** are registered with Facilitation Centre to support funding requirement of various beneficiaries.

Investors for energy efficiency projects are requested to visit BEE's website ([www.beeindia.gov.in](http://www.beeindia.gov.in)) or click on link (<https://beeindia.gov.in/content/feeed>) and can also email at [facilitation-centre@beeindia.gov.in](mailto:facilitation-centre@beeindia.gov.in) for more details



## Capacity Building of DISCOMs program



BEE has organized 15 nos. of one day awareness workshop on DSM action plans at 15 DISCOMs in association with concerned State Designated Agency. The senior officials from DISCOMs, State Electricity Regulatory Commission, JERCs, implementing agency and power department/energy department officials have attended these workshops.

These workshops will encourage DISCOMs to implement at least 50% of the identified DSM measures mentioned in the DSM action plans which are prepared based on load survey conducted through agency.



The one-day awareness workshops have been conducted at following 15 DISCOMs namely Andhra Pradesh Eastern Power Distribution Company Limited, West Bengal State Electricity Distribution Company Limited, Electricity Department, Puducherry Southern Power Distribution Company of A.P. Limited, Chhattisgarh State Power Distribution Company Limited, Kerala State Electricity Board Limited, Power & Electricity Department,





Government of Mizoram, Tata Power Western Odisha Distribution Limited, Tata Power Southern Odisha Distribution Limited, Chamundeshwari Electricity Supply Corporation Limited, Madhya Pradesh Madhya Kshetra Vidyut Vitran Company Limited, Madhya Pradesh Paschim Kshetra Vidyut Vitran Company Limited, Madhya Pradesh Poorv Kshetra Vidyut Vitran Company Limited, Meghalaya Power Distribution Corporation Limited and Himachal Pradesh State Electricity Board Limited.



About 450 senior officials from SDA, BEE, DISCOMs and SERCs/JERCs have attended this workshop for one-to-one discussion on smooth implementation of activities under BEE's Capacity Building of DISCOMs program.



## Development of Indian Carbon Market

Bureau of Energy Efficiency (BEE), under the guidance of the Ministry of Power, and the Ministry of Environment, Forest and Climate Change (MOEFCC) is developing the Indian Carbon Market (ICM). A well-designed, competitive carbon market mechanism can enable the reduction of GHG emissions for a specified target at the least cost, both at the level of each regulated entity, as well as the overall sector and drive faster adoption of clean technologies.

India has various market mechanisms like PAT (for compliance market), REC (for adoption of renewable technologies) and CDM (for voluntary market). The Indian Carbon market will serve as a mechanism that will supplement the efforts of these mechanisms towards decarbonization of the economy thus enabling the reduction of Greenhouse Gas (GHG) emissions.

Bureau of Energy Efficiency is playing an instrumental role in development of the Indian Carbon Market. A blueprint document of the proposed carbon market has already been published. In continuation of the same, a draft policy paper has also been developed which will provide guidance for future implementation of ICM.

A stakeholder consultation workshop on the draft policy paper of Indian Carbon Market (ICM) was conducted on 19<sup>th</sup> October 2022 to seek views from the stakeholders on the proposed approach and how it can be strengthened further.



The workshop was attended by more than 130 participants from different Ministry officials; carbon market project developers, exchanges and traders, IDAs (UNDP, WB, GGGI, ADB) large private and public sector organizations such as GAIL, NTPC, Shell, ABG, Vedanta, Reliance, Tata Sustainability Group, Adani, JK Cements, Renew Power, Thermax to name a few; Think Tanks/NGOs such as CPR, CEEW, WRI; TERI, CPI, CDP; and academia (IIT Kanpur).



## A Powerful Quarter - July to September, 2022

### Initiation of the next phase of Energy Mapping



To identify energy deviation gaps for improving efficiency of Thermal Power Plants (TPP), Phase II of Energy Mapping exercise was initiated on 15th July 2022. BEE signed an MoU with identified Thermal Power Plants and agreement with agencies.

The Mapping Report consisted of measures that could be taken up immediately with comparatively small expenditure to improve plant performance before going in for regular R&M measure.

### Seminar on Exhibition and Dissemination of technologies in Waste Heat Recovery Systems (WHRS) in Indian Cement Plants



A one day seminar on Exhibition and Dissemination of Technologies in the Waste Heat Recovery System in Indian Cement Plants was held at AKS University, Satna, Madhya Pradesh. More than 50 people comprising representatives from Cement DCs, Original Equipment Manufacturers, Energy Consultants, Energy Auditors, Officials from BEE, NCCBM and students participated in this event.



## Celebration of Ujjwal Bharat Ujjwal Bhavishya



On the occasion of India's 75 years of independence, BEE under the aegis of Ministry of Power celebrated Ujjwal Bharat Ujjwal Bhavishya - Power 2047. The highlight of the programme was also to present the key achievements of the Power sector. Also, on this special occasion, BEE under the aegis of Ministry of Power, Government of India organised Bijli Mahotsav in the various districts of Arunachal Pradesh, Kerala and Sikkim. Initiatives taken by both Central and State Governments were also presented in this programme.



## Capacity Building Training Programme for Bankers



In order to expand financing opportunities to support energy efficient and renewable energy technologies and implementation measures under GEF-UNIDO-BEE project a Capacity Building Training Program for Bankers/Financial Institutions was organised on 28th July, 2022 at Pune for Auto, Foundry, and Forging sectors.



## Technology Exhibition cum Vendor Interfacing Workshop for Foundry Sector



BEE in collaboration with UNIDO is organized a 'Technology Exhibition cum Vendor Interfacing Workshop for Foundry Sector' at Rajkot to promote energy efficiency and renewable energy in MSME clusters in India under the GEF-UNIDO-BEE Project.

The objective of the workshop was to bring SME industries, technology providers, and financial institutions on the same platform, which will create awareness and a market for energy efficiency products in industries of the foundry sector.



## ANGAN - An Initiative to make the Nation a Better Place



The 2nd International Conference and Exhibition on Building Energy Efficiency – ANGAN (Augmenting Nature by Green Affordable New-Habitat) – with the theme "Making the Zero-Carbon Transition in Buildings" was organized by the Bureau of Energy Efficiency (BEE), Ministry of Power, Government of India and Indo-Swiss Building Energy Efficiency Project (BEEP) from 14th to 16th September 2022 at the Hotel Ashok, Chanakyapuri, New Delhi, India. ANGAN 2022 served as the platform to foster national and international strategic collaborations, partnerships, networks, and information exchange to promote low-carbon, energy-efficient habitat. Eminent speakers and dignitaries around the world will gather to deliberate and collaborate on various thematic tracks leading India on the road to Net Zero Energy and Low Carbon Buildings and develop a discussion paper. The Conference brought together more than 500 domain experts, practitioners, and other Indian and international stakeholders.



### Celebration of Hindi Pakhwada

BEE organised a Hindi Pakhwada from 14th September - 28th September, 2022 to create awareness about the official language Hindi, during this fortnight. Hindi programs & competitions, essay writing competition, poem writing competition, slogan writing competitions were organised at BEE. On this day, many officials and employees were honoured who do more work in Hindi.



## Conference and Event on Investment Bazaar for Energy Efficiency



Two events on Investment Bazaar were held in the months of August and September. The first one was held on 26th August, 2022, Bureau of Energy Efficiency (BEE), in association with Maharashtra Energy Development Agency (MEDA) organized third 'Investment Bazaar for Energy Efficiency' event in Pune. This event was attended by more than 90 participants from large industries, MSMEs, financial institutions, OEMs and ESCOs.

The second event was held on 19th September, 2022 at Telengana. It was a Conference on Investment Bazaar for Energy Efficiency. A technical committee for energy efficient technologies relating to energy efficiency financing schemes was constituted. 76 energy efficient technologies were finalised.

### Another milestone step for the implementation of PAT Scheme

On 26th September Ministry of Power notified another 198 DCs under the PAT scheme along with the existing 509 DCs notified vide S.O. 449. BEE in association with Assam SDA also organised a workshop in Guwahati



from 22nd to 23rd September to review the progress of PAT cells established in states under East and North-East zones. The PAT Cycle-VII has commenced from 01st April, 2022 for total 707 industries.



## India's clean energy transition



India's energy transition started in the early 1980s when it set up a dedicated governing body for non-conventional energy matters. India's announcement that it aims to reach net zero emissions by 2070 and to meet 50% of its electricity requirements from renewable energy sources by 2030 is a hugely significant moment for the global fight against climate change. India is pioneering a new model of economic development that could avoid the carbon-intensive approaches that many countries have pursued in the past – and provide a blueprint for other developing economies.

### India's Initiatives to facilitate RE Transition

In 2019 India announced that it would take up its installed capacity of renewable energy to 450 GW by 2030. At CoP26, India committed 50% of its



total power generation from Renewable Energy. The Production Linked Incentive Scheme (PLI) scheme is another initiative of the Government of India with respect to enhancing the manufacturing sector for the production of raw materials for renewable energy. The PM-KUSUM (Pradhan Mantri-Kisan Urja Suraksha evam Utthaan Mahabhiyan) aims to provide financial and water security to farmers through harnessing solar energy capacities of 25,750 MW by 2022. Solarisation of water pumps is a step in distributed power provided at the doorstep of the consumer. It has also committed \$35 billion of the \$122 billion in energy-related funding to renewables, almost twice the amount allotted to fossil fuels.



## Training Workshop on Regulation to Conduct Energy Audit in DISCOMs for North East Region



Bureau of Energy Efficiency under the direction of Ministry of Power, Government of India has notified the Regulation to Conduct Energy Audit in Electricity Distribution Companies (DISCOMs) wide notification dated 7<sup>th</sup> October 2021.

As per this regulation, all DISCOMs (108) are mandated to conduct periodic energy accounting by in-house energy manager and annual energy audit by Accredited Energy Auditor by engaging an third party agency. These regulations provides broad framework for conducting Annual Energy Audit and Quarterly Energy Accounting with necessary Pre-requisites and reporting requirements. The objectives of these regulations are to quantify & determine actual energy consumption and losses (consumer category wise), identify areas of leakage, wastage or inefficient use, to reduce T&D losses etc.

To provide handhold training on conducting Annual Energy Audit and Quarterly Energy Accounting, a training workshop was organized by BEE for DISCOMs in the North









## हिन्दी पखवाड़ा केवल औपचारिकता न रहे!



प्रधानमंत्री जी ने कहा कि हिंदी ने विश्वभर में भारत को एक विशिष्ट सम्मान दिलाया है। इसकी सरलता, सहजता और संवेदनशीलता हमेशा आकर्षित करती है।

भले ही आज हमारे देश में ही कुछ लोग हिन्दी के उपयोग को लेकर कभी-कभार बेवजह का विवाद खड़ा कर अपनी राजनीति चमकाने का प्रयास करते दिखते हैं लेकिन हर भारतीय के लिए गर्व की बात यह है कि हिन्दी को चाहने वालों की संख्या अब दुनियाभर में लगातार बढ़ रही है। आपको यह जानकर आश्चर्य होगा कि हिंदी भाषा के इतिहास पर पहला साहित्य वर्ष 1839 में एक फ्रांसीसी लेखक "ग्रेसिम द तासी" द्वारा रचा गया था। 1918 में, हिंदी साहित्य सम्मेलन में, महात्मा गांधी ने पहली बार हिंदी भाषा को राष्ट्रभाषा बनाने की बात की। राष्ट्रपिता गांधीजी ने हिंदी को जनता की भाषा भी कहा। डा. फादर कामिल बुल्के ने संस्कृत को मां, हिन्दी को गृहिणी और अंग्रेजी को नौकरानी बताया था। आयरिश प्रशासक जॉन अब्राहम ग्रियर्सन को भारतीय संस्कृति और यहां के निवासियों के प्रति अगाध प्रेम था, जिन्होंने हिन्दी को संस्कृत की बेटियों में सबसे अच्छी और शिरोमणि बताया था। दूसरी ओर हमारे ही देश में कुछ लोग कुतर्क देते हैं कि भारत सरकार योग को तो 177 देशों का समर्थन दिलाने में सफल हो गई लेकिन हिन्दी के लिए 129 देशों का समर्थन भी नहीं जुटा सकी। हालांकि इस प्रकार की नकारात्मक बातों से न हिन्दी का कुछ भला होने वाला है और न ही उसका कोई बिगडने वाला है। ऐसे व्यक्ति हिन्दी की बढ़ती ताकत का यह सकारात्मक पक्ष बहुत चालाकी से नजरअंदाज कर देते हैं कि आज विश्वभर में करोड़ों लोग हिन्दी बोलते हैं। देवनागरी लिपि में हिंदी को राष्ट्र की आधिकारिक भाषाओं में से एक के रूप में अपनाने के उपलक्ष्य में हर साल हिंदी दिवस मनाया जाता है। 14 सितंबर, 1949 को राष्ट्रीय संविधान द्वारा भाषा को अपनाया गया और यह देश की आधिकारिक भाषा बन गई। 26 जनवरी 1950 को, संविधान के अनुच्छेद 343 में हिंदी को आधिकारिक भाषा के रूप में मान्यता दी गई थी तथा वर्ष 1953 से पूरे भारत में 14 सितम्बर को प्रतिवर्ष हिन्दी-दिवस के रूप में मनाया जाता है। भारत सरकार के सभी कार्यालयों, उपक्रमों, उद्यमों, संस्थाओं में हिंदी पखवाड़ा हर वर्ष 14 सितंबर से 28 सितंबर अथवा 1 सितंबर से 14 सितंबर तक मनाया जाता है। हम हिंदी दिवस मनाते हैं क्योंकि 2011 की जनगणना के अनुसार हम भारत में 43.6 प्रतिशत वक्ताओं द्वारा बोली जाने वाली भाषा के महत्व को





स्वीकार करते हैं, जो हिंदी को उनकी मातृभाषा के रूप में पहचानते हैं। हिंदी पखवाड़ा हिंदी भाषा के महत्व को दर्शाता है और अपने समृद्ध इतिहास और सामाजिक-राजनीतिक महत्व को प्रदर्शित करता है। हिन्दी को लेकर आधुनिक हिंदी साहित्य के पितामह भारतेन्दु हरिश्चंद्र ने लगभग एक शताब्दी पहले एक बार कहा था –

**निज भाषा उन्नति अहै, सब उन्नति को मूल।  
बिन निज भाषा-ज्ञान के, मिटत न हिय को सूल।।**

मतलब मातृभाषा की उन्नति बिना किसी भी समाज की तरक्की संभव नहीं है तथा अपनी भाषा के ज्ञान के बिना मन की पीड़ा को दूर करना भी मुश्किल है। हिंदी भारत में सबसे अधिक बोली जाने वाली भाषा है। देश के लगभग 78% लोग हिंदी बोलते और समझते हैं। एक भाषा के रूप में, हिंदी न केवल सम्मान का आदेश देती है, बल्कि व्यापक रूप से बोली जाती है। इन सब के पश्चात भी यदि हिंदी के विकास और उत्थान के लिए सरकार को हिन्दी पखवाड़ा मनाना पड़े और हिंदी अनुवाद, हिंदी टिप्पणी, आलेखन, हिंदी श्रुतलेखन, हिंदी कविता पाठ का आयोजन करना पड़े तो ये एक चिंता का विषय है।



हिंदी का करीब 1.2 लाख शब्दों का विशाल समृद्ध भाषा कोष होने के बावजूद अधिकांश लोग हिंदी लिखते और बोलते समय अंग्रेजी भाषा के शब्दों का भी धड़ल्ले से इस्तेमाल करते हैं। भारतीय समाज में बहुत से लोगों की मानसिकता ऐसी हो गई है कि हिंदी बोलने वालों को वे पिछड़ा और अंग्रेजी में अपनी बात कहने वालों को आधुनिक का दर्जा देते हैं। ऐसे में प्रतिवर्ष हिंदी दिवस और हिंदी पखवाड़ा मनाने का उद्देश्य यही है कि इसके माध्यम से लोगों को हिंदी भाषा के विकास, हिंदी के उपयोग के लाभ तथा उपयोग न करने पर हानि के बारे में समझाया जा सके। लोगों को इस बात के लिए प्रेरित किया जाए कि हिंदी उनकी राजभाषा है, जिसका सम्मान और प्रचार-प्रसार करना उनका कर्तव्य है और जब तक सभी लोग इसका उपयोग नहीं करेंगे, इस भाषा का विकास नहीं होगा।





***SAVE ENERGY  
SAVE LIFE***





## BUREAU OF ENERGY EFFICIENCY (BEE)

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