

***“Happy New Year 2026”***

***News Bulletin***

**The Institution of Engineers (India)**

**Meerut Local Centre**



***“104 Years of Relentless Journey Towards Engineering Advancement for nation Building”***

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**From the Chairman's Desk**

It is my proud privilege to greet all the corporate members in general and the members of the Institution of Engineers (India), local centre Meerut in the capacity of the Chairman of the Meerut Local Centre for the session 2025-26 & 2026-27.

I solicit the cooperation for the smooth functioning of the centre for advancement in the field of engineering and technology. Needless to mention that all the decisions should be taken in the harmonious and amicable atmosphere preferably unanimously keeping away the ego and self interest.

I also solicit the members that the fellows, senior members and the founder chairman of the institution should be given proper respect in the meeting and the senior members to reciprocate in the same manner to give love and affection.

It is my firm conviction that in the atmosphere of harmony and peace, the institution will prosper financially.

In the end I appreciate the special contribution of INR 10000 given by ICICI Prudential life insurance and Shiven energy & ev. Ltd. on 26/10/2025 and 14/12/2025 respectively.

I also extend my thanks to the nominated members of the LCC for promising special contributions of INR 1000 each.

Er. Subhash Chandra Mittal  
Chairman



From Hony. Secretary's Desk

## ***“Happy New Year 2026”***

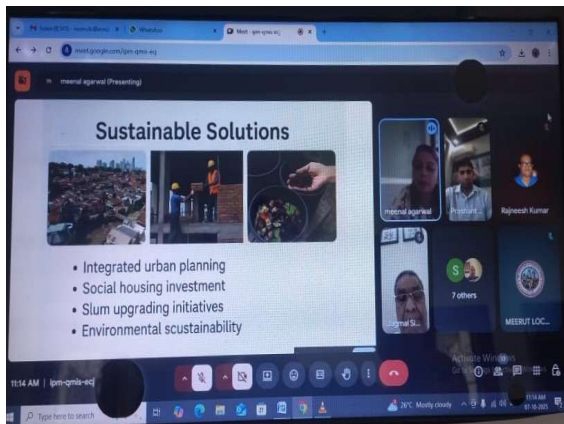
It is a great pleasure to address, all esteemed members, on the occasion of completion of 150 years of 'Vande Matram '. We are proud and filled with strong and great feelings of patriotism and our dedication to, 'Ma Bharati. I greet you all, my friends, on this occasion, while addressing for the first time. I also thank, all those members and my Brothers, who supported me to elevate, to this position and serve you and prestigious Institution of Engineers India. While, taking over as Honorary SECRETARY, I arranged funds for family meet, which took place after a long time. I give special thanks, to Advocate Meenu Gupta, advisor ICICI prudential Life insurance company Ltd for arranging Rs. 10000 as contributions to LCC for the first time in the history of LCC, IEI Meerut. She also helped in conducting cultural program for Diwali meet and presented songs of different varieties. The programme was a great success. I started my tenure with great enthusiasm, of course with your support and conducted Regular meetings. UN designated, World energy conservation day was celebrated with great success and quite large, participation. I also thank M/s Shiven energy and ev Pvt. Ltd. for contributions worth Rs 10000. All together, seminar extended to 3 sessions. I would, also, like to inform that I represent, CV discipline, which is largest constituent amongst IEI members.

In the end, I would like to give you all, my heartiest congratulations and greetings for the new year 2026. We wish to continue our efforts towards nation building and the ultimate motto of Viksit Bharat 2047.

Er. Nikhil Kishore  
Hony. Secretary

## A. Statutory Activities:

### World Habitat Day    Date: 07-10-2025



On 7th October 2025, the Meerut Local Centre of The Institution of Engineers (India) organized a webinar to observe World Habitat Day, themed “Urban Solutions to Crisis.”

The event was held through Google Meet and commenced with a warm welcome by

Er. R. P. Agarwal of all dignitaries, keynote speakers — Ar. Meenal Agarwal, B. Arch., President, Meerut Architect Association, and Ar. Rajat Bhattar, Principal Architect, Suresh & Rakesh — along with members and guests.

Following the welcome address, Er. Prashant Sharma, Convener of the event, gave an overview of the World Habitat Day theme. He emphasized the urgent need for sustainable and inclusive urban solutions to address issues such as displacement, environmental degradation, and infrastructure challenges. He highlighted the crucial role of engineers and architects in shaping resilient, people-centred urban environments.

The first keynote address was delivered by Ar. Meenal Agarwal on “Urban Displacement & Sustainable Cities.” She presented insights on urbanization trends in India, migration patterns, and the resulting strain on housing and infrastructure. She elaborated on the causes and impacts of urban displacement and underscored the importance of collaboration between engineers, architects, and policymakers to ensure inclusive, resilient, and sustainable development.

The second keynote address was shared by Ar. Rajat Bhattar through a video message, as he was unable to attend due to prior travel commitments. He stressed the importance of integrated urban planning, green infrastructure, and collaborative policies to tackle urban crises effectively.

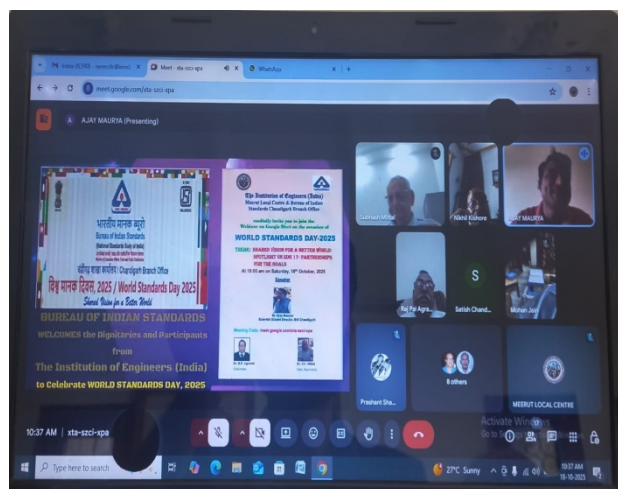
An interactive Q&A session followed, where participants actively engaged with the speakers through insightful questions and discussions. The session was highly informative and well received by all attendees.

The event concluded with a Vote of Thanks by Er. S. C. Mittal, FIE, Honorary Secretary, who expressed sincere gratitude to Er. R.P. Agrawal, FIE, for his guidance; to the keynote speakers for their valuable insights; and to Er. Prashant Sharma, the Convener, for efficiently coordinating the event. He also thanked all participants for their active involvement and contributions.

Er. Mittal emphasized that such initiatives strengthen professional collaboration and play a vital role in promoting sustainable, inclusive, and resilient urban development.

The webinar was a commendable initiative by the Meerut Local Centre of IEI, successfully raising awareness on critical urban issues and encouraging collaborative approaches to modern city challenges.

## **World Standards Day**      Date: 18-10-2025



On the occasion of World Standards Day, a webinar was organized on October 18, 2025, under the chairmanship of Er. R. P. Agrawal, Chairman, Local Centre Meerut, the Institution of Engineers (India).

Er. Ajay Maurya, Scientist 'D' / Joint Director, BIS, Chandigarh, delivered an insightful presentation in the webinar commemorating World Standards Day, celebrated globally on October 14, 2025. The theme for this year was "Shared Vision for a Better World – Spotlight on SDG 17: Partnerships for the Goals."

The theme highlights how international standards, developed through global collaboration, provide a common framework enabling stakeholders — industries, governments, and organizations — to work together effectively towards achieving the United Nations' Sustainable Development Goals (SDGs), particularly the goal focused on global partnerships.

In his presentation, Er. Maurya elaborated on the history and significance of various SDGs and explained that Goal 17 focuses on partnerships for sustainable development. He also discussed several standards developed by the Bureau of Indian Standards (BIS), with special reference to gold, silver, and other important commodities. He emphasized how standards help industries ensure the quality of their products and how international partnerships based on standards can promote the achievement of SDGs.

An interactive question-and-answer session followed, during which Er. Maurya addressed several queries from participants regarding gold and silver hallmarking processes. He also provided practical examples, such as methods to check the standard of a mobile charger.

Almost all participants received satisfactory answers to their queries.

In conclusion, Er. S. C. Mittal, Honorary Secretary, proposed a vote of thanks to Er. Maurya for his excellent presentation and to all participants for their active cooperation.

## **Energy Conservation Day**      Date: 14-12-2025



The Meerut Local Centre, The Institution of Engineers (India), organized a seminar on December 14, 2025 on the occasion of Energy Conservation Day, under the chairmanship of Er. S. C. Mittal, Chairman, LC Meerut. The event was convened by Er. Prashant Sharma. Three lecture sessions were arranged to deliberate in detail and emphasize energy conservation.

The theme of the seminar was “Promoting Energy Efficiency as the First Fuel: Addressing Climate Change, Resource Depletion and Environmental Degradation”, with a focus on solar and renewable energy.

After the welcome address by the Chairman, Er. S. C. Mittal, the Convener introduced the theme of the seminar. To begin the technical sessions, he invited the speaker for the first session, Er. Arvind Raja, Director, Shiven Energy & EV Pvt. Ltd.

In his address, Er. Raja explained the purpose of celebrating Energy Conservation Day (ECD):

1. To create awareness about saving energy.
2. To promote clean and renewable energy such as solar energy.
3. To reduce the burden on conventional power sources.
4. To mitigate climate change and protect the environment.
5. To promote India’s sustainable development goals.

He briefly explained UN Sustainable Development Goal No. 7 and its importance. He thereafter explained how we can contribute to it:

1. Expanding access to clean and reliable solar energy.
2. Helping to reduce dependency on conventional energy sources.

Prof. Raja then briefed the audience on the Government scheme of PM Surya Ghar: Muft Bijli Yojana, highlighting its salient features and advantages. He also gave an account of solar technologies that strengthen goal implementation. He explained on-grid, off-grid and hybrid solar systems, along with the benefits associated with these systems. These systems will improve renewable energy commitments and help India move closer to UN SDG 7 and the Net Zero Emission target by 2070.

He elaborated on how individuals can contribute to energy conservation and concluded with a positive note for a sustainable tomorrow, urging everyone to act today for a cleaner and brighter India.

In the second session, the Convener invited Er. Ashish Gupta, Director, Shiven Energy & EV Pvt. Ltd., to deliver his presentation. Er. Gupta explained energy efficiency from the Indian perspective and highlighted India's energy and climate challenges. He explained why solar energy is necessary for India and discussed its benefits in the context of climate change. He also explained how water can be saved by using solar energy as compared to coal-based energy. Limited coal stocks can also be conserved through increased use of solar energy.

Regarding transmission and distribution losses in conventional systems, he explained that solar power reduces line losses and grid load. He also highlighted the associated economic and social benefits and emphasized the important role of citizens and organizations. He concluded by outlining the way forward and advised adopting solar energy as the key to a sustainable India, urging action today for a greener tomorrow.

In the third session, the Honorary Secretary, Er. Nikhil Kishore, delivered a lecture highlighting several developments in the field of energy conservation in India and abroad. He began by referring to an interview of Elon Musk by Mr. Nikhil Kamath, wherein Musk stated that in the next 10–20 years, money may not be in currency terms but in terms of energy, as daily needs would increasingly be met through robots and artificial intelligence.

Er. Kishore stated that World Energy Conservation Day focuses on boosting sustainable innovation and developing new technologies for energy efficiency. He emphasized the role of citizens, explaining how individual actions can lead to significant energy conservation. He also highlighted the importance of renewable and clean energy sources such as solar, wind, nuclear, etc., in achieving global goals aligned with climate neutrality and sustainable development.

He highlighted the four 'Ps' of energy conservation:

1. Planning – setting goals.
2. Perseverance – staying dedicated to adopting energy-efficient habits.
3. Practice – implementing daily actions to reduce wastage.
4. Propagation – spreading awareness and inspiring others to save energy.

Er. Kishore also shared details of recent developments at IIT Bhilai, where a smart polymer gel has been developed that changes its properties according to weather conditions, resulting in significant energy savings. In summers, the gel adjusts its transparency to partially block sunlight and heat from entering rooms through gel-coated windows, resulting in natural cooling and reduced need for air conditioning. In winters, the transparency adjusts to allow more sunlight and heat, keeping rooms warm throughout the year.

In addition, the gel can act as an electrolyte in energy generation devices, enabling electron flow and thus contributing to clean energy production. This dual functionality enables both energy savings and economical energy generation, representing a revolutionary development in the field of energy conservation.

After the sessions, interactive discussions were held, during which esteemed members raised queries that were duly addressed.

In the end, Er. Nikhil Kishore, Honorary Secretary, Meerut Local Centre, IEI, presented the vote of thanks.