

INNOVATING ENERGY

EESL at G20 Summit and the 14th Clean Energy Ministerial in Goa



EDITOR'S NOTE

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Convergence Energy Services Limited (CESL)



Dear readers,

The G20, known as the premier forum for global economic collaboration, has been instrumental in shaping and strengthening international governance on crucial economic matters. Under India's G20 Presidency, the focus has been on embracing inclusivity and sustainability to reduce inequality and enhance the quality of people's lives. The country's Presidency has been marked by its ambition, decisiveness, and action-oriented approach, which has fostered global co-operation and laid the foundation for a more sustainable world. One area where India's G20 Presidency has had a significant impact is in the realm of energy efficiency. At the 14th Clean Energy Ministerial (CEM) meeting in Goa, themed "Accelerating India's Net Zero Transition through Energy Efficiency, Sustainable Cooling & Mobility," EESL (Energy Efficiency Services Limited) played an instrumental role. The event aimed to hasten the global transition to a clean, sustainable, and inclusive energy future.

During the meeting, EESL actively participated in discussions and exchanged crucial Memorandums of Understanding (MoUs) with various stakeholders. These agreements align with EESL's unwavering commitment to energy efficiency, sustainable mobility, clean cooking, and energy-efficient cooling goals. A notable highlight of the event was the launch of the "EESL Vision and Strategy: Enabling Net-Zero" document, backed by the support of USAID India. This strategic roadmap demonstrates EESL's determination to advance towards a net-zero future, setting an exemplary model for others to follow.

The G20 Summit in Goa also witnessed EESL successfully hosting "DAKSHTA: Drive for Advancing Knowledge and Solutions Through Aggregation in Energy Efficiency: India's Experience for a Global Energy Efficiency Transformation." This event brought together distinguished delegates from across the G20 nations, including government officials, industry leaders, and representatives from multilateral organisations. Their collective efforts aimed to accelerate the global energy efficiency agenda, fostering cross-border collaborations and deliberations on scaling energy efficiency at a global level.

It is my privilege to share with you the significant strides we have made on the sidelines of the G20 Summit. These initiatives demonstrate our unwavering commitment to driving positive change and creating a more sustainable world through energy efficiency.

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Revolutionising the lighting industry in India: EESL's remarkable journey



EESL has shaped the lighting movement in India, as it has enabled a complete metamorphosis of the market for energy-efficient technologies, particularly the LEDs. With innovative programmes like UJALA and Street Lighting National Programme (SLNP), we have created a new paradigm for sustainability, where market-driven innovations transform how sustainability goals are met.

In 2015, Hon'ble Prime Minister Shri Narendra Modi launched the Unnat Jyoti by Affordable LEDs for All (UJALA) programme. Under this initiative, EESL set out to distribute energy-efficient LED bulbs, tube lights, and fans across the nation. Fast forward to the present, and the results are nothing short of awe-inspiring.

Over 36.86 crore LED bulbs, 72.18 lakh LED tube lights, and 23.59 lakh energy-efficient fans have been disseminated by EESL, leading to a staggering estimated annual monetary savings of INR 19,332 crore in consumer electricity bills. But the impact doesn't end there. UJALA has been a catalyst for change, enabling a reduction of 3 million tonnes of CO₂ emissions annually, equivalent to taking 2.7 million cars off the road each year. This environmental feat marks a significant stride towards sustainability and a greener future.

However, the influence of EESL's initiatives extends beyond monetary savings and environmental benefits. UJALA has brought about energy prosperity, positively affecting various aspects of people's lives. Households have witnessed reduced electricity bills, alleviated financial burdens, and are contributing to greater economic stability. Moreover, the program has generated new job opportunities, stimulating economic growth, and fostering skill development.

By reducing electricity demand/ and enabling existing capacity to serve more households, UJALA has contributed to a more robust and reliable energy infrastructure. This, in turn, has mitigated the likelihood of blackouts, enhancing the overall quality of life for citizens.

EESL's unique strategy brought about a mass-scale transformation by collaborating with states, municipal bodies, and Urban Local Bodies (ULBs). With its Pay-As-You-Save (PAYS) model, it replaced traditional lights with LEDs at its own expense, with no upfront investment required from municipalities, making LED adoption even more appealing and affordable.

But EESL's commitment to illuminating lives doesn't end with UJALA. We have undertaken various other initiatives to promote energy efficiency and sustainable practices. Empowering school-going children with solar study lamps, lighting up rural, urban, and semi-urban areas with solar LED lights through Atal Jyoti Yojana (AJAY), and bringing energy-efficient lights to rural households with GRAM UJALA are just some of the ways EESL continues to make a difference.

Moreover, with the Streetlighting National Programme (SLNP), EESL has transformed the landscape of urban and rural lighting. Over 1.29 crore LED streetlights have been installed, resulting in remarkable energy savings of 8.71 billion kWh per year. The program has also significantly reduced greenhouse gas emissions by 6 million tonnes of CO₂ annually, and municipalities are benefiting from substantial monetary savings amounting to INR 6,101 crore in electricity bills. I firmly believe that India's path to increased energy efficiency and reduced emissions leads through the proliferation of LEDs. We, at EESL, will continue to work towards illuminating the homes and streets of India with LEDs.

Speaking of some of our near-future plans, we at EESL will be focusing on widening the country's energy efficiency portfolio through industry partnerships. At the recently-concluded 14th Clean Energy Ministerial, we signed around 15 Memorandums of Understanding (MoUs) with key industry stakeholders. This move aims to diversify our energy efficiency portfolio through energy efficient solutions in the lighting, cooling and cooking space. Additionally, we will also be working towards creating energy-efficient marketplaces, which will act as centralized platforms connecting consumers with a diverse array of energy-efficient products and services. These marketplaces can make accessing eco-friendly options easier and more convenient for everyone.

Lastly, we have recently announced the launch of our new strategy, "Enabling Net Zero transition through energy efficiency." In collaboration with USAID, this strategy exemplifies our dedication to ushering in a sustainable and greener future. By focusing on energy efficiency, we aim to play a pivotal role in achieving a net-zero carbon footprint for the nation.



DAKSHTA: Drive for Advancing Knowledge and Solutions Through Aggregation in Energy Efficiency



Energy efficiency stands as a significant focal point on the global agenda, and the G20 nations acknowledge its pivotal role in realizing sustainable development objectives and addressing climate change. The G20 Summit in Goa served as an effective platform for facilitating knowledge exchange, cooperative networks, and international alliances, invaluable insights, and lessons to steer a worldwide transformation in energy efficiency. These further nurtures ingenuity and empowers nations to institute effective market models customized to their specific requirements, thus propelling the widespread implementation of energy-efficient technologies.

EESL, operating under the guidance of the Ministry of Power (India), successfully organized a side event in partnership with United States Agency for International Development (USAID) India. This event, titled "DAKSHTA: Drive for Advancing Knowledge and Solutions Through Aggregation in Energy Efficiency," was hosted as part of India's G20 presidency during the 4th Energy Transitions Working Group (ETWG) meeting. Its objective was to highlight the vital role of energy efficiency in realizing sustainable development and addressing climate change. Amidst the G20 Summit's platform for crucial global deliberations, the side event, DAKSHTA, powerfully demonstrated the potential of collaboration and shared experiences in shaping a sustainable and energy-efficient future.

The event drew a distinguished audience encompassing government officials, industry leaders, and representatives from international organizations. A significant highlight of the event was the dynamic panel discussion titled "Scaling Energy Efficiency in Global Context," which engaged in thoughtful conversations about advancing energy efficiency at a global level. Moderated by Shri Tanmay Tathagat from USAID-SAREP, the panel featured distinguished speakers representing various sectors, such as Shri Manish Gupta (Indian Railways), Shri Venkatesh Dwivedi (Group Executive Director of EESL), Shri Jitender Aggarwal (CEO of Surya Roshni Ltd), Dr. Mahesh Gupta (Chairman & Managing Director of Kent RO Systems Ltd.), and Shri Sanjay Sharma, (Director of Marketing at Carrier). Throughout the panel discussion, these experts delved into the challenges and opportunities of scaling energy efficiency practices, showcasing their experiences and best practices to drive meaningful global change.

DAKSHTA

EESL hosted Drive for Advancing Knowledge and Solutions Through Aggregation in Energy Efficiency: India's Experience for a Global Energy Efficiency Transformation (DAKSHTA) -- a side event as part of summit



Hon'ble Power Minister, Goa, Shri Sudin Dhavalikar graced DAKSHTA, our side event at G20 summit, with his august presence



(L-R) Ms. Apurva Chaturvedi (Senior clean energy specialist, USAID), Mr. Vishal Kapoor (CEO, EESL), Shri. K. Sreekant (Chairman, EESL), Shri. Ramkrishna Sudin Dhavalikar (Goa Minister for Power, New & Renewable Energy and Housing) and Shri. Milind Deore (Secretary, Bureau of Energy Efficiency)



EESL hosted a panel discussion with esteemed industry experts on India's Experience for a Global Energy Efficiency Transformation at our side event during G20 summit

Accelerating India's Net Zero Transition through Energy Efficiency, Sustainable Cooling & Mobility



The Clean Energy Ministerial (CEM) is a high-level global forum to promote policies and programmes that advance clean energy technology, share lessons learned and best practices, and encourage the transition to a global clean energy economy. This year, the 14th Clean Energy Ministerial (CEM) conference convened in Goa bringing together energy ministers, corporate leaders, policy shapers, and experts from diverse regions, all focused on enhancing the implementation of clean and effective energy solutions.

To encourage the worldwide adoption of energy efficiency innovations, Energy Efficiency Services Limited (EESL) partnered with CEM-14 and organized an event centered on “Accelerating India's Net Zero Transition through Energy Efficiency, Sustainable Cooling & Mobility”. During the event, EESL engaged in discussions and formalized Memorandums of Understanding (MoUs) that aligned with its vision to enable large-scale adoption of energy efficiency, sustainable transportation, eco-friendly cooking, and energy-efficient cooling. Participants also exchanged exemplary strategies, inventive methodologies, and triumphant narratives to propel India's journey towards net zero emissions.

As part of the event, EESL also introduced the launch of the Energy Efficient Fan Distribution Programme, aimed at distributing 10 million energy-efficient fans. Simultaneously, EESL unveiled its new Energy Efficiency Strategy crafted in close collaboration with USAID India, which reinforces its pivotal role in driving India's net-zero aspirations.

Some of the distinguished attendees of the event included Shri Stanzin Chosphel (Executive Councillor, Ladakh Autonomous Hill Development Council, Leh), Shri Pradeep Kumar Jena (Chief Secretary, Government of Odisha), Shri Ajay Jain (Special Chief Secretary, Government of Andhra Pradesh), and Mr. Tilman Kuban (Member of the German Bundestag), alongside participants from BEE, Industry, Academia, State Nodal Agencies (SDAs), Development institutions, and International Organizations.

14TH CLEAN ENERGY MINISTERIAL

At the recently concluded 14th Clean Energy Ministerial in Goa, EESL hosted a side event titled "Accelerating India's Net Zero Transition through Energy Efficiency, Sustainable Cooling & Mobility"

- EESL signed approximately 15 MoUs with industry stakeholders
- EESL also launched its new strategy -- focusing on "Enabling Net Zero through Energy Efficiency" -- in partnership with USAID



Shri Ajay Jain, Special Chief Secretary, Govt. of Andhra Pradesh during our side event at CEM14/M18



Shri Pradeep Kumar Jena, Chief Secretary, Govt of Odisha during our side event at CEM14/M18



EESL unveiled its new strategy – Enabling Net Zero transition through energy efficiency – in partnership with USAID



Shri. Stanzin Chosphe, Executive Councillor of LAHDC during our side event at CEM14/MI8



MoU signing with Shakti Sustainable Energy Foundation to boost EE technologies in cooking, EMobility, Climate Finance and more



MoU with Energy Management Centre, Kerala for sustainable cooling, EMobility



MoU with BAPS Swaminarayan Sanstha to implement EE lighting & cooling measures



EESL reinforced its commitment to enable country's Net Zero transition through its energy efficiency initiatives in lighting, cooling and cooking sectors



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A JV of PSUs under Ministry of Power, Government of India



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