

# INNOVATING ENERGY

*Celebrating 12 years of being Energy Efficient! ◀◀*

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## Arun Kumar Mishra

CEO

Energy Efficiency Services Limited (EESL)

### Editor's Note

Dear Reader,

Energy efficiency is increasingly being acknowledged as a potent tool in enabling our shift towards sustainability. The recent deliberations during COP26 have served to highlight the need for solutions such as energy efficiency to gather pace. Energy demand is on the rise, which makes adoption of energy efficiency measures an obvious solution. Over the past five years, energy intensity, which is a key measure of the economy's energy efficiency, has improved on average by 1.3% a year, down from 2.3% between 2011 and 2016. We need to pick up pace in our efforts.

India has been an early mover in recognizing the potential of energy efficiency. It currently has the largest energy efficiency portfolio across the globe. EESL, with its mandate for steering India's energy transition has played a central role in this regard. Since its inception, 12 years ago, it has seen remarkable success in reducing the power intensity and carbon footprint of the nation across sectors such as lighting, transport, cooling, energy generation, agriculture and building among other. EESL, through its unique business model, has been pioneering a strong financial ecosystem for energy efficient technologies. Using economies of scale in the sector, enabled by demand aggregation, EESL has made energy efficiency scalable, accessible and affordable.

This newsletter, themed '**Celebrating 12 years of being Energy Efficient!**' is a celebration of EESL's 12 years of sustained excellence and provides us an insight into the future of energy efficiency in India. In '**It is energy efficiency's time to shine: EESL will be the key**' we explore the rise in significance of energy efficiency and how EESL is now in the driver's seat to become the harbinger of change. '**Enablement of Last Mile Connectivity Vital to Smart Metering Programme Success in India**' delves into the nuances of ramping up smart metering adoption in India. We look beyond India in '**Unlocking the international potential for Energy Efficiency**' wherein we discuss emulating the success of energy efficiency in India, across the globe and how EESL can facilitate that. The article '**What 2022 heralds for India's energy efficiency segment**' shines the spotlight on upcoming trends in the energy efficiency space and their impact. In '**EESL's journey in lighting up the country with LEDs**' we take a deep dive into the transformative impact of EESL's two flagship programmes - UJALA and SLNP. Finally, in '**India's journey to a brighter future**' we take look back at the last 12 years, wherein EESL's impact has been truly unparalleled in the overturn of reach and scale achieved.

As the energy ecosystem in India evolves and EESL continues its march, we shall witness the integration of energy efficiency in new sectors and geographies.





## K Sreekant

Chairman

Energy Efficiency Services Limited (EESL)

**Now is the time for energy efficiency to shine:  
EESL will be the key**

Estimates by International Energy Agency state that energy efficiency can contribute up to 49% of the energy-related CO<sub>2</sub> emission reductions that are needed to limit global temperature increases over the next several decades. Energy efficiency offers an array of advantages– it reduces emissions, provides energy and capital savings, and creates employment opportunities. A 2021 Bureau of Energy Efficiency report on the Impact of Energy Efficiency Measures in India states that the adoption of energy efficiency programmes has led to the overall energy savings of 28.06 Mtoe for the year 2019-20. These programmes also enabled monetary savings of worth INR 115,702 crores and equivalent reduction in CO<sub>2</sub> emissions of around 177.6 million tonnes annually.

EESL has played an important role in upscaling energy efficiency portfolio of our country through its various schemes such as UJALA (Unnat Jyoti by Affordable LEDs for All), GRAM UJALA, AJAY (Atal Jyoti Yojana), SLNP (Street Lighting National Programme), Solar Study Lamp etc. in consonance with its vision of providing '**Universal access to sustainable energy solutions to enable a low carbon future, with significant economic and social impact.**' Over the years, EESL has pioneered various innovative business approaches for implementing energy efficiency programmes.

The challenge ahead for our country is to achieve carbon neutrality by 2070 and energy efficiency will have a very important role to play in achieving this goal. By devising commercially sound offerings and ensuring efficiency in project implementation, EESL is well poised to be at the forefront in enabling consumers, industries and local bodies achieving their energy needs through energy efficient technologies. The time is ripe for EESL to grow its operations and contribute to the net-zero goals of our country.