

EESL brightens up Agra; To Lighten over 30, 000 LED street lights in the city

- **In a record period of one month, EESL has replaced over 18,477 Conventional Street lights with LED lights**
- **Nagar Nigam Agra (NNA) to save approximately 65% of electrical energy annually**
- **The Program to reduce INR 14.63cr of energy expense per year**

Agra, February 12, 2018 - The **Energy Efficiency Services Limited (EESL)** - A Joint Venture of PSUs of Ministry of Power (Govt. of India), today, announced **the installation of over 18,477 LED street lights in the city of Agra, within the record time of 1 month.** EESL, as the implementation agency of the Street Light National Programme (SLNP) in Agra (Government of India programme) has signed a Memorandum of Understanding (MoU) with Nagar Nigam Agra on 5th December 2017, for retrofitting of 30,509 conventional lights in the city. These LED lights will help Nagar Nigam Agra to save over 2cr deemed units of energy annually.

EESL, in its pre-installation survey in Agra, showcased that 100% of the people surveyed agreed on the improvement or replacement of the existing street lights and sought the benefits of LED lights. 92% people surveyed, have been aware that LED lights provide more brightness, reduce dark spots and enhance safety.

The installation work has been undertaken on High Masts & Mini Masts, under the jurisdiction area of Nagar Nigam Agra. The street light installation started in Ward No. 1 from 2nd January 2018. Within a month, EESL has installed 18,477 LED Street Lights. Along with being weather resistant, LED street lights are approximately 50% more energy efficient than incandescent bulbs and High-Pressure Sodium (HPS) lighting, along with being weather-resistant. **EESL conducts the installation work as per the National Lighting Code (NLC) and the LED lights conform to specifications of Bureau of Indian Standards (BIS).** A toll free number - 1800 1803 580 for registering complaints has also been generated and duly shared with NNA and citizens of Agra as on 19 January 2018.

Ahead of installing the lights, EESL conducts an assessment of the lighting infrastructure in the area. Basis the same, it identifies the requirement of a higher wattage light or a lower wattage light. The size of roads and the area also play an important factor in the identification of the lamps. Accordingly, the street lights are installed after a detailed survey of the existing infrastructure.

Talking about the programme, **Shri Venkatesh Dwivedi, National Programme Manager, SLNP, EESL** said, *“EESL has been working relentlessly to illuminate the city of Agra and we are pleased by the progress we have made of installing over 18000 LED street lights in the city. Our aim is to brighten Agra by ensuring better illumination along with saving energy, reducing dark spots and enhancing safety of the people of Agra. Under the MoU, EESL will retrofit and install 30,509 existing conventional street lights with LED street lights which leads to an annual reduction of over 11000 tonnes of CO2 (annually), which will play a crucial*

role towards green environment and sustainability, for the city of Agra. The response we are getting from the citizens of Agra is very encouraging and we look forward to completing our work soon.”

Further, the procurement price of the LED Street Lights has been reduced from Rs. 135/watt to Rs. 85/watt due to mass procurement of the lights by EESL, hence making the LED lights affordable and accessible. EESL makes the entire upfront investment in retrofitting of the Street Lights and up to 10% of Infrastructure development charges and then Municipalities pay EESL from the savings in energy and maintenance cost over a 7-year period. EESL’s approach to intervention is based on the strategic analysis of challenges to the introduction of future ready solutions and mitigation of the hurdles, with focus on long-term development. EESL aims at creating market innovations through solutions-driven approach and novel business model of Zero-Subsidy, Zero-Capex and pay-as-you-save. EESL also undertakes social audits in all states post completion of the project.

EESL procurements conform to BIS specification & carry a 7-year warranty against technical defects. EESL conducts appropriate quality checks right from the bidding stage to the field level. This has resulted in the LEDs’ overall technical fault being less than 2% in the 40 lakh lights installed by EESL in the country. EESL has maintained an uptime of 97% for all street lights across the country.

EESL has a stringent complaint redressal mechanism wherein consumers can write to us on Twitter and Facebook - for Twitter @EESL_India and for Facebook @EESLIndia for registering complaints. The official EESL complaint registration email ID is helpline@eesl.co.in. Consumers can also register their complaints at the EESL complaint logging portal - <http://support.eeslindia.org/>.

In January 2015, the Hon’ble Prime Minister of India, Shri Narendra Modi, launched the 100 cities National Programme in Street and Domestic Lighting to convert conventional street and domestic lights with energy efficient LED lights. Under Street Light National Programme (SLNP), the government aims at replacement of 1.34 crore conventional street lights by March 2019. Presently, EESL has retrofitted over 40 lakh street lights in 23 states and 5 Union Territories of the country. This has resulted in average energy saving of 15.40 Lakh kWh per day, while leading to per day reduction of 1278 tonnes of CO₂. The replacement has also led to avoidance of 140 MW of peak demand.

About EESL

Energy Efficiency Services Limited (EESL), under the administration of Ministry of Power, Government of India, is working towards mainstreaming energy efficiency and is implementing the world’s largest energy efficiency portfolio in the country. Driven by the mission of Enabling More – more efficiency, more innovation, EESL aims to creating market access for efficient and future ready transformative solutions that create a win-win situation for every stakeholder. By 2020, EESL seeks to be a \$1.5 billion-dollar (Rs 10,000 crore) company putting together all the programmes of EESL. Thus far, EESL has distributed over 27 crore LED bulbs and retrofitted 40 lakh LED streetlights across India through self-sustaining commercial models. It has pioneered innovative business approaches to successfully roll-out large-scale programs that allow for incentive alignment across the value chain and rapidly drive transformative impact. EESL aims to leverage this implementation experience and exploit new opportunities in overseas market for diversification of its portfolio. As on date, EESL has begun its operations in UK, South Asia and South-East Asia.

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