

With 1 crore smart LED streetlights, Government of India's Street Lighting National Programme illuminates 2.7 lakh kms of roads in India

- Enable energy savings of 6.71 billion kWh, avoid 1,119.40 MW of peak demand, reduce GHG emission by 4.6 million tCO₂, every year

New Delhi, 1st October 2019 – Under the Government of India's Street Lighting National Programme (SLNP), Hon'ble Minister of State (IC) for Power, New & Renewable Energy, Shri R.K. Singh today dedicated 1 crore smart LED streetlights to the nation, that are illuminating 2.7 lakh Kms of roads in India. It is the world's largest streetlight replacement programme, which is being implemented by the Energy Efficiency Services Limited (EESL), a joint venture of PSUs under the Ministry of Power, Government of India.

The 1 crore smart LED streetlights have been installed in Delhi, Punjab, Haryana, Chandigarh, Himachal Pradesh, Uttarakhand, Jammu & Kashmir, Uttar Pradesh, Madhya Pradesh, Bihar, Jharkhand, Assam, West Bengal, Sikkim, Chhattisgarh, Odisha, Andhra Pradesh, Tripura, Telangana, Kerala, Tamil Nadu, Karnataka, Goa, Maharashtra, Gujarat, Pondicherry, Port Blair, Lakshadweep and Rajasthan, helping generate employment for around 13000 people in the country.

The installation of 1 crore LED streetlights has resulted in annual energy savings of 6.71 billion kWh and avoided 1,119.40 MW of peak demand, resulting in reduction of GHG emission by 4.63 million tCO₂ every year.

Speaking at the occasion, **Hon'ble Minister of State (IC) for Power, New & Renewable Energy, Shri R.K. Singh said**, *"Energy efficiency and conservation are important pillars of India's efforts in moving towards a sustainable future. It is with great pride that we dedicate the 1 crore smart and energy efficient LED streetlights to the people of India. Another milestone towards achieving country's energy goals, these streetlights, covering 2.7 lakhs kilometers, not only illuminate the lives of the citizens and enable more savings but also empower people with better and safe mobility. I congratulate all the State Governments, Urban Local Bodies and EESL for their relentless efforts in installing these smart LED streetlights and continued work towards achieving the country's energy efficiency goals"*.

"The Government believes in empowering people and enabling access to power for all. The Street Lighting National Programme will benefit the people and would lead to a reduction in dark spots and increased security" **Shri RK Singh added**.

Under SLNP, Andhra Pradesh is leading the way amongst the states, with an installation of 28.9 lakhs LED streetlights followed by Rajasthan and Uttar Pradesh with 10.3 Lakhs and 9.3 lakhs respectively. As on date, 1,502 Urban Local Bodies (ULBs) across India have been enrolled under the programme and out of these ULBs, work has been completed in around 900 Urban Local Bodies.

Applauding the achievement of this milestone **Shri Sanjiv Nandan Sahai, Special Secretary, Ministry of Power**, said, *"This is a major milestone in the nation's journey towards increased energy efficiency and environmental sustainability. It shows how synergy and collaboration between the various stakeholders can enhance infrastructure and promote energy conservation. I congratulate EESL for their relentless efforts and all stakeholders for their strong partnership in making our nation climate smart."*

To bring large scale transformation, EESL adopted Pay-As-You-Save (PAYS) model where EESL makes the entire upfront investment in installation of the LED streetlights and no additional budget allocation from the municipalities is required. The contract with the municipalities/ULBs is for a period of 7 years. The seven-year contract with the local bodies guarantees a minimum energy saving of typically 50% and provides free replacements and maintenance of lights at no additional cost to the civic partners. The municipalities pay EESL from their savings in energy and maintenance cost over a 7-year period, making the LED lights affordable and accessible.

Under SLNP, the EESL procurements conform to BIS specifications and 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 1 crore streetlights installed by EESL in the country. EESL has maintained an uptime of 97% for all streetlights across the country. Furthermore, to provide 'future-readiness' to the LED lights, EESL installs web-based Centralised Control and Monitoring System (CCMS) to enable remote operation and monitoring of the streetlights enabling additional operational savings. CCMS provides real time information on energy consumption the streetlights.

EESL undertakes social audits in the ULBs where the project is under implementation and post the completion of the project. These social audit results have shown that about 99 percent respondents feel more comfortable with the LED installations. They also feel that there is significant improvement in safety and business activities.

By March 2020, SLNP aims to replace 1.34 crore conventional streetlights in India with smart LEDs. This ambitious goal will make a tremendous difference, enabling peak demand reduction of about 1500 MW, annual energy savings of 9 billion kWh, and reduction in 6.2 Million tons of CO2 per year. EESL has an ambitious plan in this portfolio for next 4-5 years where it intends to bring investment to the tune of INR 8000 crores by 2024 by covering entire Rural India. It is expected that more than 30 million LED streetlights would be retrofitted/installed by EESL.

The dedication ceremony for these energy efficient LED streetlights took place in the presence of high-level dignitaries from the Ministry of Power, lighting industry, municipal commissioners, state ULBs and media.

(For publication/broadcast)