

Street Lighting National Programme (SLNP)
(Ministry of Power)

May 30, 2022

“Sustainable growth is possible only through sustainable energy source.”

- Prime Minister [Narendra Modi](#)¹

Introduction²

Furthering the Government’s commitment towards environment protection and sustainable development, Prime Minister Narendra Modi launched the **Street Lighting National Programme (SLNP)** on 5 January 2015. The initiative was envisioned as “Prakash Path” to replace conventional street lights with smart and energy efficient LED street lights across India.



[Energy Efficiency Services Limited](#)³ (EESL) was designated as the implementing agency to implement this programme across India. This initiative was a part of the Government’s efforts to **spread the message of energy efficiency in the country** and bring market transformation for energy efficient appliances. EESL joined hands with the Urban Local Bodies (ULBs), Municipal Bodies, Gram Panchayats (GPs) and Central & State Governments to implement SLNP across India.

Salient Features of SLNP

- Reduction in energy consumption

¹ <https://www.narendramodi.in/prime-minister-narendra-modi-addresses-webinar-on-energy-for-sustainable-growth--560454>

² <https://pib.gov.in/PressReleasePage.aspx?PRID=1808264>

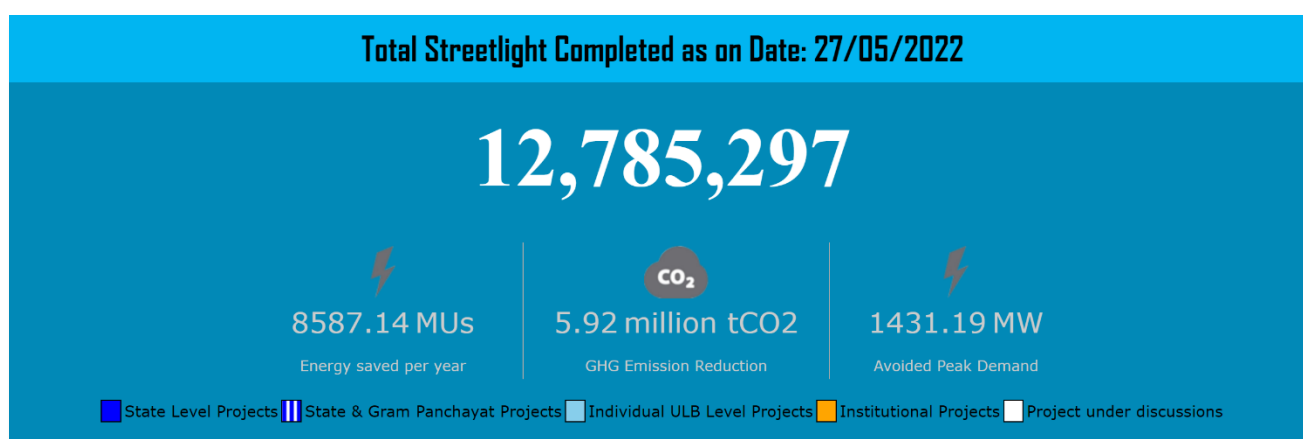
³ <https://eeslindia.org/en/home/>

- Market transformation by reduced pricing through demand aggregation and shift of the buying preference from sodium vapour / fluorescent lighting to LED based solid-state lighting
- Reduction in Green House Gas (GHG) emissions
- Improved safety & security in public areas in rural, semi urban, and urban settings through better illumination.

Implementing SLNP Across India⁴

EESL replaces the conventional street lights with LEDs at its own cost (without any need for municipalities to invest). The consequent reduction in energy and maintenance cost of the municipality is used to repay EESL over a period of time. The contracts that EESL enters into with municipalities are **typically of seven years duration where it not only guarantees a minimum energy saving (of typically 50%) but also provides free replacements and maintenance of lights** at no additional cost to the municipality.

The LED street lights are **installed after undertaking a detailed survey of the existing infrastructure**. The survey inter-alia looks at the infrastructure gaps, verification of inventory and mapping locations for setting up CCMS (Centralized Control and Monitoring System).



Achievements:

- EESL has installed over 1.27 crore⁵ LED street lights (as on 27.05.2022) in ULBs and Gram Panchayats across India.
- This has resulted in **energy saving of more than 8587 Million Units (MUs)** of electricity per annum, **peak demand reduction of over 1431 MW** and **5.92 million tonnes of CO₂ emission reduction** annually.
- LED streetlights have been installed in various states across the country, helping generate thousands of jobs to support the Government's Make in India initiative.
- SLNP has also bagged the Global Solid State Lighting (SSL)⁶ award of excellence for the transformational contribution to the LED sector, Award for High Impact Programme for

⁴ <https://eeslindia.org/en/ourslnp/>

⁵ <https://slnp.eeslindia.org/>

⁶ <https://pib.gov.in/PressReleaseframePage.aspx?PRID=1686309>

Energy Efficiency – CII National Award for Excellence in Energy Management 2020 and award of excellence at the 10th Elets Knowledge Exchange Summit and Awards 2020.

- It also won **the South Asia Procurement Innovation Award (SAPIA) 2017, and CIO 100 award in 2019.**
- Under SLNP, there has been an **estimated annual monetary savings of Rs. 5,688 crores in electricity bills of municipalities.**⁷
- EESL is also implementing LED Street lighting projects in Gram Panchayats on the same service model as the SLNP for municipalities with the objective to promote the use of efficient lighting in rural areas.

Further Initiatives⁸:

Further, to strengthen the Street Lighting National Programme, three Business Models viz. a) Supply model, b) Supply, Installation with/without O&M and 3) ESCO have been introduced. Clients are free to choose business model of their choice and associated terms and conditions. It is planned to **install 1.6 crore LED lights under the new business models by FY 2023-24.**

References:

<https://www.narendramodi.in/prime-minister-narendra-modi-addresses-webinar-on-energy-for-sustainable-growth--560454>

<https://pib.gov.in/PressReleasePage.aspx?PRID=1808264>

<https://eeslindia.org/en/home/>

<https://eeslindia.org/en/ourslnp/>

<https://slnp.eeslindia.org/>

<https://pib.gov.in/Pressreleaseshare.aspx?PRID=1598481>

<https://pib.gov.in/PressReleaseIframePage.aspx?PRID=1686309>

<https://newsonair.com/2022/03/23/illuminating-india-through-ujala-and-slnp-programmes/>

https://powermin.gov.in/sites/default/files/uploads/MOP_Annual_Report_Eng_2021-22.pdf

Twitter:

https://twitter.com/eesl_india/status/1225286787850878976

<https://twitter.com/narendramodi/status/552101379573952513>

<https://twitter.com/narendramodi/status/552101638165381121>

Video Links:

<https://www.youtube.com/watch?v=yyr3PtQ3Pp4>

<https://www.youtube.com/watch?v=oVzv4nRy4vk>

<https://www.youtube.com/watch?v=bpjc2N53EMM>

AG/HP/MZ/MK

⁷ https://powermin.gov.in/sites/default/files/uploads/MOP_Annual_Report_Eng_2021-22.pdf

⁸ https://powermin.gov.in/sites/default/files/uploads/MOP_Annual_Report_Eng_2021-22.pdf