

Unnat Jyoti by Affordable LEDs for All (UJALA) – State Series

86.48 lakh LED bulbs, 22,374 fans and 94,949 tube lights distributed in Himachal Pradesh

(Ministry of Power)

June 24, 2022

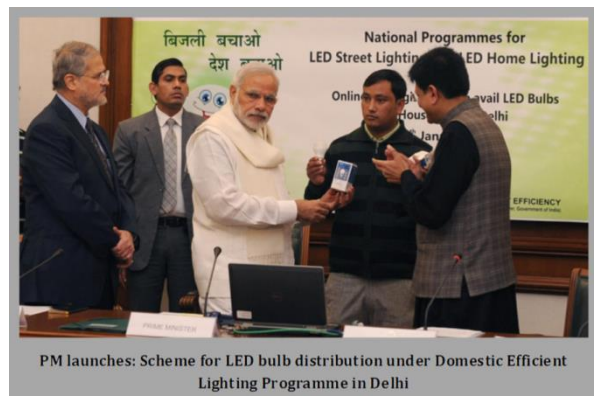
(Updated on September 22, 2022)

“The country needed something that consumed less electricity, was brighter and less costly. This need gave birth to the UJALA scheme. Necessary steps were taken to promote LED manufacturing. Policies were changed. This reduced the price of the bulb and once people experienced its benefits, the demand also increased.”

- [Prime Minister Narendra Modi](#)

Introduction

[UJALA \[Unnat Jyoti by Affordable Light Emitting Diode \(LED\) for All\]](#) was launched by Prime Minister Shri Narendra Modi on [January 5, 2015](#), to provide energy-efficient LED bulbs to domestic consumers at an affordable price. In a short span of time, the programme has evolved to be the world’s largest zero-subsidy domestic lighting programme that addresses concerns like high electrification costs and high emissions that result from inefficient lighting.



[Salient features of the UJALA programme:](#)

Increase the demand of LED lights by aggregating requirements across the country and provide economies of scale to manufacturers through regular bulk procurement, which helped the manufacturers to reduce the cost of LED bulbs not only for UJALA programme but for retail segment as well.

Promote the use of the most efficient lighting technology at affordable rates to domestic consumers which benefits them by way of reduced energy bill while at the same time improving their quality of life through better illumination.

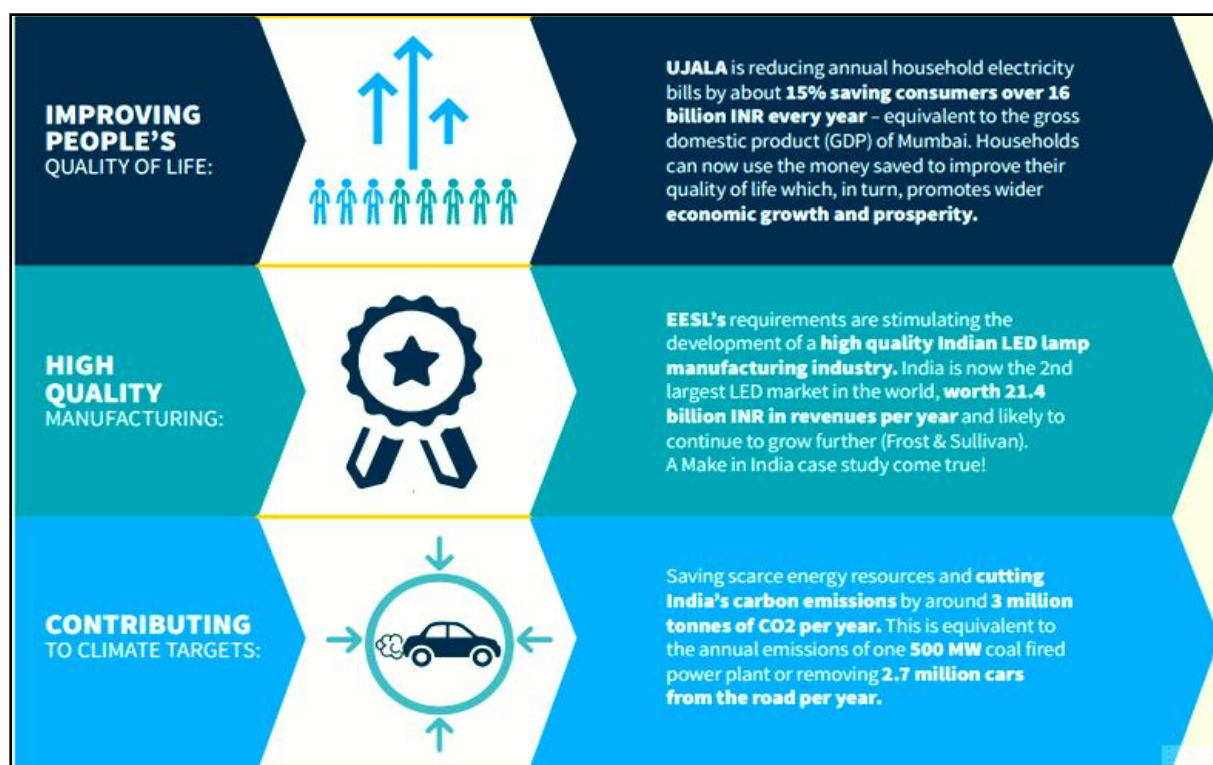
Enhance consumer awareness on the financial and environmental benefits of using energy efficient appliances, thus creating market for energy efficient appliances.

Achievements and highlights

- [As of September 21, 2022, the distribution of 36.86 Crore LED bulbs resulted in energy saving of 47,879 million units of electricity per annum, peak demand reduction of 9,586 MW and 38.78 million tonnes of CO₂ emission reduction annually.](#)
- [UJALA succeeded in bringing down the retail price of LED bulbs from Rs 300-350 per bulb to Rs 70-80 per bulb.](#) Apart from making affordable energy accessible to all, the programme also resulted in massive energy savings.¹
- UJALA has been readily adopted by all the states. It has helped in reducing annual household electricity bills. Consumers have been able to save money, improve their quality of life, and contribute to India's economic growth and prosperity.
- Under the programme, the government has ensured transparency and encouraged competition by e-procurement of goods and services. This has resulted in significant reduction in transaction cost and time, enhancing process efficiency.
- UJALA has led to a much larger pool of bidders, enhanced quality of the product, and availability of better specifications for the consumers.

Global Recognition

The UJALA programme has caught global attention and the International Energy Agency (IEA) published a case study on the same (INDIA'S UJALA STORY). [The key highlights of the IEA case study are:](#)



With the concerted efforts towards building a robust ecosystem for LED in India, [UJALA and Street Lighting National Programme \(SLNP\), have bagged global awards like the prestigious South Asia Procurement Innovation Award \(SAPIA\), 2017, and for the innovative use of IT and the business results achieved in Street Lighting National Programme, it won 2019 CIO 100](#)

[award](#). The highly successful UJALA and SLNP have also bagged the Global Solid-State Lighting (SSL) award of excellence for transformational contribution to the LED sector.ⁱⁱ

Implementation of UJALA Scheme in Himachal Pradesh

In a major initiative aimed at promoting energy efficiency in the State, [the Himachal Pradesh government, on March 29, 2017, launched the distribution of LED tube lights and Energy Efficient Fans under UJALA scheme.](#)

‘UJALA’ became an integral part of the energy conservation initiative of the State Government and had been very successfully adopted by the people of the state. Further, the innovative energy business model would result in large-scale replication of energy efficiency measures across the State.

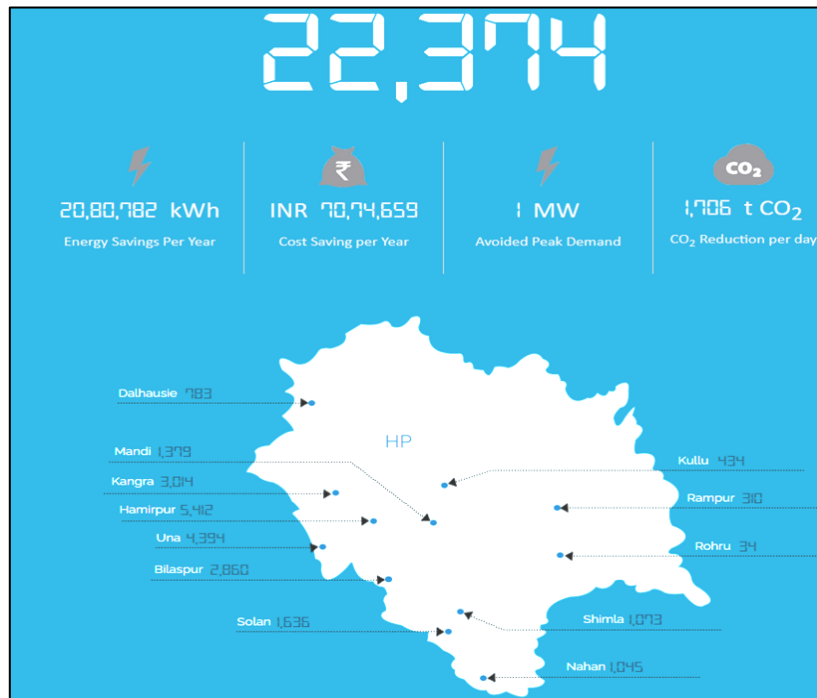
Energy Efficiency Services Limited (EESL), a joint venture of Public Sector Units (PSUs) of the Ministry of Power, the Government of India is implementing this programme across the state in a phased manner in collaboration with State Government and Himachal Pradesh State Electricity Board Ltd (HPSEBL).

Progress in Himachal Pradesh

- [As on September 21, 2022, 86.48 lakh LED bulbs](#) distributed; 11,23,153 MWh energy saved per year; Rs. 449 crore cost saved per year; and 9,09,754 tonnes CO₂ reduced per year in Himachal Pradesh as per National UJALA Dashboard.



- [As on September 21, 2022, 22,374 fans](#) distributed in the state which resulted in 20,80,782 kWh energy savings per year, Rs. 70.74 lakh cost savings per year, and 1,706 tonnes CO₂ reduction per day.



- As on September 21, 2022, **94,949 tube lights** distributed in the state which resulted in 41,48,810 kWh energy saving per year, Rs. 1.41 Crore cost saving per year and 3,410 tonnes CO₂ reduction per year.



UJALA has brought a market transformation in the energy efficiency sector. The switch from inefficient incandescent bulbs to LEDs is helping families reduce their electricity bills while

also enabling them to access better brightness in homes. The money saved adds to a household's disposable income and lifetime savings, thus improving their quality of life, generating prosperity in local communities, and in expanding energy access to all. **With the average household electricity bill down by 15 per cent, the annual energy saving is equivalent to a week's average earning.** The domestic LED market has grown significantly beyond the UJALA programme, with the industry selling over 1.15 billion LEDs, far exceeding the UJALA programme's target of 700 million LED units.ⁱⁱⁱ

References

- PIB Press Release on [Salient features of UJALA and SLNP programmes](#) dated March 22, 2022.
- PIB Press Release on [UJALA completes 7 years of energy-efficient and affordable LED distribution](#) dated January 5, 2022.
- PIB Press Release on [Govt of India's UJALA and SLNP completes six years of Illuminating India efficiently](#) dated January 5, 2021.
- PIB Press Release on [Government of India's UJALA & Street Lighting National Programme Complete Five Successful years of Illuminating India](#) dated January 5, 2020.
- <http://ujala.gov.in/state-dashboard/himachal-pradesh>
- <http://ledtubes.ujala.gov.in/>
- <http://himachalpr.gov.in/OnePressRelease.aspx?Language=1&ID=9081>

Further reading

- <https://static.pib.gov.in/WriteReadData/specificdocs/documents/2022/apr/doc20224636501.pdf>
- https://eeslindia.org/img/uajala/pdf/UJALA_Case_Studies_1.pdf
- <https://www.iea.org/news/iea-launches-first-in-depth-review-of-indias-energy-policies>
- <https://www.iea.org/reports/india-2020>

AG/HP/RC/RN/MZ/JA

ⁱ<https://www.pib.gov.in/PressReleasePage.aspx?PRID=1787594>

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

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