

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.3612
TO BE ANSWERED ON 03.04.2017

ENVIRONMENTAL HAZARDS OF LED BULBS

3612. SHRI A. VIJAYAKUMAR:

Will the Minister of **POWER**
be pleased to state:

- (a) whether Government has any scheme to extend LED bulbs to local bodies in the country;
- (b) if so, the details thereof;
- (c) whether any survey conducted has found that large scale use of LED bulbs is environmentally hazardous; and
- (d) if so, the details thereof?

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,
COAL, NEW & RENEWABLE ENERGY AND MINES

(SHRI PIYUSH GOYAL)

(a) & (b) : Hon'ble Prime Minister of India launched the National LED Programme on 5th January 2015 called Unnat Jyoti By Affordable LEDs For All (UJALA) Programme and Street Lighting National programme (SLNP), which is being implemented by Energy Efficiency Services Limited (EESL), a joint venture company of Public Sector Undertakings (PSUs) under Ministry of Power. The target is to replace 77 crore incandescent bulbs with LED bulbs and 3.5 crore conventional street lights with LED street lights by March 2019. As on 29.03.2017, over 22.19 crores LED bulbs have been distributed in 33 States/UTs and over 19 lakhs LED street lights have been installed in Urban Local Bodies (ULBs) across the country by EESL. EESL is playing an important role as a catalyst in replacing these bulbs/lights, while several other suppliers are also engaged in the same.

(c) & (d) : No such surveys have been conducted by Government of India. However, LED bulbs are known to be more energy efficient and emit the lowest Ultraviolet (UV) and Infrared (IR) radiation amongst all lighting technologies. LED bulbs reduces the demand from power plants, decreases greenhouse gas emissions and unlike compact fluorescent lamp (CFL) do not have mercury. Besides, the LEDs procured by EESL under the UJALA scheme go through a series of stringent quality tests and conform to Bureau of Indian Standards (BIS) specification IS 16102 (Part 1) and (Part 2): 2012 for self-ballast lamps.
