

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.2642
TO BE ANSWERED ON 02.08.2018**

ENERGY CONSERVATION IN HEAVY INDUSTRIES

†2642. SHRI UDAY PRATAP SINGH:

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

- (a) the measures taken by the heavy Industries for energy conservation in the country during the last three years and the current year;**
- (b) whether the Government has issued any guidelines after prescribing various standards for energy conservation and if so, the details thereof;**
- (c) whether the Government has set up or proposes to set up any monitoring mechanism to closely oversee the efficiency of energy utilisation and if so, the details thereof; and**
- (d) if not, the reasons therefor?**

A N S W E R

**THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER AND
NEW & RENEWABLE ENERGY**

(SHRI R. K. SINGH)

(a) & (b) : The Government has specified energy consumption norms for energy intensive industry sectors namely Aluminum, Cement, Chlor-Alkali, Fertilizer, Iron & Steel, Pulp & Paper, Textile and Petrochemicals. The high energy consuming units of these sectors have undertaken various energy conservation measures including deployment of waste heat recovery equipment, variable frequency drives and replacement of inefficient pumps, motors, compressors etc. with energy efficient equipment.

Under the Perform, Achieve and Trade (PAT) scheme of the Government, 517 units from these industrial sectors have so far been given individual targets for a period of three years since 2016. The combined energy efficiency improvement from these units, with implementation of the energy efficiency norms, in terms of reduction in specific energy consumption is expected to result in aggregated energy savings of 5.71 million tonnes of oil equivalent.

(c) & (d) : Under the PAT scheme, a monitoring and verification mechanism is put in place where, after the end of 3 years cycle, verification of the performance against the targeted energy conservation is undertaken by a third party agency – Accredited Energy Auditor (AEA).
