

**GOVERNMENT OF INDIA  
MINISTRY OF POWER**

**LOK SABHA  
UNSTARRED QUESTION NO.4830  
TO BE ANSWERED ON 15.12.2016**

**POWER REQUIREMENT FOR NEXT 5 TO 10 YEARS**

**4830. SHRIMATI POONAMBEN MAADAM:**

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

- (a) whether the Union Government has conducted a study to gauge the demand for power in the country for the next 5 to 10 years, if so, the details thereof;
- (b) the steps being taken/proposed to be taken to meet the demand as per the outcome of the study;
- (c) whether States were notified regarding Power Agreements with renewable energy generators, if so, the details thereof including the States which have come forward in this regard;
- (d) whether any States are facing financial constraints to purchase power from thermal power plants; and
- (e) if so, the details thereof and the steps being taken/proposed to be taken by the Union Government thereon, State/ UT-wise?

**A N S W E R**

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

**( SHRI PIYUSH GOYAL )**

(a) : Yes, Madam. As per 18<sup>th</sup> Electric Power Survey (EPS) Report, brought out by Central Electricity Authority, the Electric Energy Requirement of the country (Utilities), at power station bus-bars, for year 2021-22 and 2026-27 is given at Annex. To reassess the electricity demand, the 19<sup>th</sup> Electric Power Survey Committee has been constituted. The Report of the committee is under finalisation.

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**(b) : To meet the electricity demand in the coming years, the following steps have been taken/are being taken by the Government:**

- (i) Generation capacity addition has been planned to meet the rising demand of electricity in the country. The National Electricity Plan, 2012, has projected a generation capacity addition requirement of 86,400 MW from conventional sources during the period 2017-22 to meet the projected demand of electricity for the year 2021-22.**
- (ii) Thrust is being given to electricity generation from renewable energy sources. Government has set a target of 175,000 MW of Renewable Energy by the year 2022.**
- (iii) Renovation, modernization and life extension of old, inefficient generating units is being carried out to improve efficiency and better availability of generating units.**

**(c) : As per provision of the revised Tariff Policy, notified on 28.01.2016, Ministry of Power has issued orders vide order no. 23/03/2016-R&R dated 22.07.2016 regarding long term Renewable Purchase Obligation (RPO) trajectory upto the year 2018-19. The details are as follows:**

<b>Long term Trajectory</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>
<b>Non-solar</b>	<b>8.75 %</b>	<b>9.50 %</b>	<b>10.25 %</b>
<b>Solar</b>	<b>2.75 %</b>	<b>4.75 %</b>	<b>6.75 %</b>
<b>Total</b>	<b>11.50%</b>	<b>14.25 %</b>	<b>17.00 %</b>

**The obligation will be on total consumption of electricity by an obligated entity excluding consumption met from hydro sources of power.**

**Further, in exercise of power conferred under the Electricity Act 2003, SERC's may notify RPO for their respective states in the line with aforesaid uniform RPO trajectory.**

**(d) & (e) : Electricity is a concurrent subject. The responsibility for purchase of sufficient power of the State/State Power Utilities is within the purview of the respective State Government / State Power Utility. However, in order to help the States, Government of India has notified a scheme namely Ujwal Discom Assurance Yojana (UDAY) for Operational and Financial Turnaround of Power Distribution Companies (DISCOMs), with an objective to improve the operational and financial efficiency of State owned DISCOMs. Participating States would undertake to achieve operational and financial turnaround of DISCOMs with the measures outlined in the Scheme. This would enable Discoms to purchase more power from thermal power plants.**

**ANNEX**

**ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 4830 TO BE ANSWERED IN THE LOK SABHA ON 15.12.2016.**

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**Electric Energy Requirement of the country (Utilities), at power station bus-bars, for year 2021-22 and 2026-27**

<b>Year</b>	<b>Electrical Energy Requirement (MU)</b>	<b>Peak Demand (MW)</b>
<b>2021-22</b>	<b>1904861</b>	<b>283470</b>
<b>2026-27</b>	<b>2710058</b>	<b>400705</b>

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