

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO-1006
TO BE ANSWERED ON-08.02.2018

GENERATION OF RENEWABLE ENERGY

1006. DR. BANSHILAL MAHATO

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:-

- (a) the quantum of renewable energy being generated at present in the country;
- (b) the actual need of renewable energy for next seven years;
- (c) whether the Government is promoting Foreign Direct Investment in the renewable energy sector;
- (d) if so, the details thereof along with the details of FDI made in this sector country-wise annually during each of the last three years and the current year; and
- (e) the steps taken/being taken by the Government to increase the generation of renewable energy in the country?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER (I/C)
(SHRI R.K. SINGH)

(a): A total of 78.25 Billion Units of power have been generated in the country during 2017-18 (upto December'2017) from all renewable energy sources.

(b): As per Government of India submission to the United Nations Frame Work Convention on Climate Change on Intended Nationally Determined Contribution (INDC), 40% of the cumulative electric power capacity will be from non-fossil fuel based energy resources by 2030. The Government has up-scaled the target of installing Renewable energy capacity to 175 GW by the year 2022.

(c) & (d) : The Government allows 100% Foreign Direct Investment (FDI), under the automatic route in Renewable Energy sector subject to applicable laws / regulations, security and other conditionalities. The details of country-wise and year-wise FDI made in this sector during the last three years and the current year are given in Annexure.

(e): The steps being taken by the Government to increase the generation of renewable energy, inter alia, include the following:-

- i. Announced a target of installing 175 GW of renewable energy capacity by March, 2022;
- ii. Issued guidelines for procurement of solar and wind power through tariff based competitive bidding process;
- iii. Declared trajectory for Renewable Purchase Obligation (RPO) up to the year 2018-19;
- iv. Declared Renewable Generation Obligation on new coal/lignite based thermal plants;
- v. Notified National Offshore Wind Energy Policy;
- vi. Notified policy for Repowering of Wind Power Projects;
- vii. Notified standards for deployment of solar photovoltaic systems/devices;
- viii. Issued order for waiving the Inter State Transmission System charges and losses for inter-state sale of solar and wind power for projects to be commissioned upto March 2019;
- ix. Launched Atal Jyoti Yojna for Solar LED Street Lights in five States;

**ANNEXURE REFERRED TO IN REPLY TO Part (c)& (d) of LOK SABHA UNSTARRED QUESTION
NO. 1006 TO BE ANSWERED ON 8/2/2018**

Statement showing details of country-wise and year wise FDI equity inflows during last three years and current year(upto Oct 2017) under renewable energy sector.

| Sl No | Country | 2014-15 Apr-Mar | 2015-16 Apr-Mar | 2016-17 Apr-Mar | 2017-18 Apr-Oct | Total |
|-------|--------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | | FDI in US\$ million | FDI in US\$ million | FDI in US\$ million | FDI in US\$ million | FDI in US\$ million |
| 1 | Australia | 0.00 | 28.33 | 0.17 | 0.00 | 28.50 |
| 2 | Bahrain | 12.34 | 2.29 | 0.00 | 0.00 | 14.63 |
| 3 | Belgium | 0.00 | 0.03 | 0.00 | 0.00 | 0.03 |
| 4 | Bulgaria | 0.00 | 0.00 | 0.25 | 0.00 | 0.25 |
| 5 | Canada | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | Cayman Islands | 0.02 | 0.00 | 0.00 | 5.99 | 6.01 |
| 7 | China | 0.00 | 12.68 | 0.00 | 1.49 | 14.17 |
| 8 | Cyprus | 7.38 | 7.08 | 0.08 | 0.00 | 14.53 |
| 9 | Denmark | 0.00 | 1.12 | 0.00 | 0.70 | 1.81 |
| 10 | France | 30.71 | 25.38 | 38.66 | 5.04 | 99.79 |
| 11 | Germany | 14.14 | 0.17 | 50.03 | 4.52 | 68.87 |
| 12 | HongKong | 21.04 | 0.04 | 3.70 | 1.64 | 26.43 |
| 13 | Israel | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | Italy | 0.00 | 0.34 | 0.00 | 14.98 | 15.32 |
| 15 | Japan | 0.02 | 137.30 | 0.00 | 0.00 | 137.31 |
| 16 | South Korea | 0.00 | 21.52 | 0.00 | 0.00 | 21.52 |
| 17 | Luxembourg | 26.62 | 10.32 | 20.31 | 3.75 | 61.00 |
| 18 | Malaysia | 77.18 | 0.00 | 0.00 | 0.00 | 77.18 |
| 19 | Mauritius | 120.03 | 223.34 | 306.20 | 153.14 | 802.70 |
| 20 | Netherlands | 15.14 | 51.50 | 126.26 | 352.47 | 545.37 |
| 21 | Philippines | 0.00 | 0.00 | 44.69 | 0.00 | 44.69 |
| 22 | Portugal | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | Qatar | 0.00 | 0.08 | 0.00 | 0.00 | 0.08 |
| 24 | Saudi Arabia | 0.26 | 0.00 | 0.00 | 0.00 | 0.26 |
| 25 | Singapore | 141.18 | 160.66 | 106.71 | 225.13 | 633.67 |
| 26 | Spain | 80.59 | 14.73 | 19.52 | 21.63 | 136.48 |
| 27 | Sweden | 0.02 | 0.01 | 0.00 | 0.03 | 0.06 |
| 28 | Slovenia | 0.00 | 0.03 | 0.00 | 0.00 | 0.03 |
| 29 | Switzerland | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 |
| 30 | Turkey | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | UAE | 2.46 | 1.12 | 3.04 | 0.00 | 6.63 |
| 32 | United Kingdom | 11.72 | 16.83 | 60.39 | 36.17 | 125.12 |
| 33 | U.S.A | 22.61 | 61.63 | 3.51 | 35.56 | 123.31 |
| 34 | British Virginia | 0.00 | 0.00 | 0.02 | 0.00 | 0.02 |
| 35 | Seychelles | 32.50 | 0.00 | 0.00 | 0.00 | 32.50 |
| | Grand Total | 615.95 | 776.51 | 783.57 | 862.28 | 3,038.32 |

Source: As provided by DIPP