

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 1550**  
TO BE ANSWERED ON 09.03.2017

**GENERATION OF NON-CONVENTIONAL ENERGY**

1550. SHRI RAM KUMAR SHARMA:

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

- (a) whether the Government had decided to generate non-conventional energy in the country for pollution free environment two years ago;
- (b) if so, the details thereof;
- (c) whether there is a difference in tariff fixed for energy from this sector as on 2017 after the decision of the Government; and
- (d) if so, the details of tariff and the reasons for such a huge difference along with the steps being taken by the Government in this regard?

**ANSWER**

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

**(a) and (b):** Yes Madam. In the year 2014, the Government has up-scaled the target of renewable energy capacity to 175 GW by the year 2022 which includes 100 GW from solar, 60 GW from wind, 10 GW from bio-power and 5 GW from small hydro-power.

**(c) and (d):** Generic tariff for various renewables as declared by Central Electricity Regulatory Commission (CERC) from the year 2013-2014 onwards are given in the Annexure. Tariff of various renewable energy sources are fixed either by the State Electricity Regulatory Commissions (SERCs) or through competitive bidding. Tariff from Wind, Solar and Small Hydro Power have not changed significantly. However, the tariff of solar PV power have reduced significantly due to the economy of scales, technological advancements and reduction in price of PV cells.

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**REFERRED TO IN REPLY TO LOK SABHA UNSTARRED QUESTION NO. 1550 Part (c) and (d) FOR  
ANSWER ON 09.03.2017**

**Generic Tariff for RE Technologies as per CERC RE Tariff Regulations Norms**

**(Rs. Per kWh)**

<b>Particular</b>	<b>Levelling Total Tariff (FY2013-14)</b>	<b>Levelling Total Tariff (FY2014-15)</b>	<b>Levelling Total Tariff (FY2015-16)</b>	<b>Levelling Total Tariff (FY2016-17)</b>
<b>Wind Energy</b>				
Wind Zone -1 (CUF 20%)	6.29	6.34	6.58	6.60
Wind Zone -2 (CUF 23%)	5.72	5.76	5.98	6.00
Wind Zone -3 (CUF 27%)	5.03	5.07	5.27	5.28
Wind Zone -4 (CUF 30%)	4.19	4.23	4.39	4.40
Wind Zone -5 (CUF 32%)	3.93	3.96	4.11	4.13
<b>Small Hydro Power Project</b>				
HP, Uttarakhand and NE States (Below 5MW)	4.38	4.46	4.64	4.70
HP, Uttarakhand and NE States (5MW to 25 MW)	3.75	3.80	3.95	3.99
Other States (Below 5 MW)	5.16	5.25	5.47	5.54
Other States (5 MW to 25 MW)	4.40	4.47	4.65	4.69
<b>Solar Power Projects</b>				
Solar PV	8.75	7.72	6.86	5.68
Solar Thermal	11.90	11.88	12.05	12.07
<b>Biomass Power Project</b>				
Andhra Pradesh	5.55	7.10	7.53	7.17 - 7.59
Haryana	6.05	7.73	8.21	7.79 - 8.23
Madhya Pradesh	-	-	-	-
Maharashtra	6.15	7.85	8.34	7.91 - 8.34
Punjab	6.24	7.97	8.47	8.03 - 8.47
Rajasthan	5.52	7.07	7.50	7.14 - 7.56
Tamil Nadu	5.49	7.02	7.45	7.10 - 7.52
Uttar Pradesh	5.61	7.18	7.62	7.25 - 7.67
Others	5.80	7.42	7.88	7.49 - 7.91
<b>Non-Fossil Fuel based Cogeneration</b>				
Andhra Pradesh	5.40	5.73	6.05	5.94
Haryana	6.13	6.57	6.97	6.79
Maharashtra	5.80	6.24	6.62	6.43
Madhya Pradesh	-	-	-	-
Punjab	5.67	6.06	6.42	6.27
Tamil Nadu	4.93	5.27	5.58	5.45
Uttar Pradesh	5.71	6.07	6.42	6.29
Others	5.56	5.94	6.29	6.14
<b>Biomass Gasifier Power Project</b>				
Andhra Pradesh	5.91	6.26	6.66	6.51
Haryana	6.45	6.84	7.28	7.10
Maharashtra	6.55	6.95	7.40	7.22
Punjab	6.65	7.06	7.52	7.33
Rajasthan	5.88	6.24	6.63	6.49
Tamil Nadu	5.85	6.19	6.59	6.44
Uttar Pradesh	5.98	6.34	6.74	6.59
Others	6.18	6.55	6.98	6.81
<b>Biogas based Cogeneration</b>				
Biogas	6.91	7.40	7.86	7.68

