

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 1094
ANSWERED ON 26.07.2022

RENEWABLE ENERGY PROJECTS

1094. DR. L. HANUMANTHAI AH

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

- (a) the details of ongoing renewable energy projects in the country, State-wise;
- (b) the total power generated from renewable energy sources across the country;
- (c) whether Government proposes to extend incentives to industries and Government organisations to harness renewable energy to meet energy requirements; and
- (d) if so, the details thereof?

ANSWER

THE MINISTER OF STATE OF NEW & RENEWABLE ENERGY AND CHEMICALS AND FERTILIZERS

(SHRI BHAGWANTH KHUBA)

(a) The details of renewable energy capacity (including large hydro) under various stages of implementation in the country are given in **Annexure-I**.

(b) A total of 322.53 Billion Units (BUs) of electricity have been generated from various renewable energy sources (including Large Hydro) in the country during the year 2021-22.

(c)&(d) Most of the grid connected renewable energy projects in the country are being implemented by private sector developers selected through transparent competitive bidding without financial assistance from the Central Government.

Ministry of Power has notified Electricity (Promoting Renewable Energy through Green Energy Open Access) Rules, 2022 on 6th June, 2022. These rules have been notified for promoting generation, purchase and consumption of green energy with the end goal of ensuring access to affordable, reliable, sustainable and green energy for all including industries.

Provision of achievement linked incentive for Government sector was available under Phase-I of Rooftop Solar Programme, which was under implementation in the country till March 2020. The cost of rooftop solar (RTS) plant has reduced to a level that installation of RTS plants is financially viable even without any financial support for consumers paying high electricity tariff including Government organizations, social, institutional, commercial, industrial sector etc. Therefore, financial support for installation of RTS in all sectors has been discontinued under Rooftop Solar Programme Ph-II, except for the residential sector. However, under Rooftop Solar Programme Ph-II, incentives upto 5% of the benchmark cost for RTS capacity addition beyond 10% and up to 15% of the base line RTS capacity; and incentives upto 10% of the benchmark cost for RTS capacity addition beyond 15% of the base line RTS capacity are being provided to the electricity distribution companies (DISCOMs). The incentives are provided to DISCOMS for achieving RTS capacity addition in all sectors including in Government, residential, social, institutional, commercial and industrial sectors in a financial year above the baseline capacity as on 31st March of the previous year.

Annexure-I

Annexure-I referred to in reply to part (a) of Rajya Sabha Unstarred Question No. 1094 for 26/07/2022 regarding 'Renewable energy projects'

Details of renewable energy capacity (including large hydro) under various stages of implementation in the country

I. Solar Power:

S. No	State	Capacity (MW)
1	Andhra Pradesh	2250.00
2	Assam	55.00
3	Bihar	255.00
4	Chhattisgarh	1861.76
5	Gujarat	6118.33
6	Karnataka	2181.00
7	Kerala	312.63
8	Ladakh	20.00
9	Madhya Pradesh	1925.00
10	Maharashtra	2196.64
11	Mizoram	20.00
12	Odisha	40.00
13	Rajasthan	23541.98
14	Tamil Nadu	935.02
15	Telangana	101.00
16	Uttar Pradesh	527.00
17	Uttarakhand	160.00
18	West Bengal	145.00
19	Anywhere in India	6060
Total		48705.36

II. Wind Power:

Sl.no	State	Capacity (MW)
1	Gujarat	4176
2	Tamil Nadu	2042
3	Maharashtra	775
4	Karnataka	3586
5	Madhya Pradesh	424
6	Rajasthan	556
		11559

Small Hydro Power:

S. No.	State	Capacity (MW)
1	Arunachal Pradesh	4.65
2	Gujarat	23.91
3	Himachal Pradesh	183.09
4	UT of Jammu & Kashmir	20.15
5	UT of Laddakh	9.25
6	Karnataka	16.45
7	Kerala	37.5
8	Madhya Pradesh	7.6
9	Maharashtra	8.35
10	Meghalaya	25.5
11	Mizoram	8.5
12	Nagaland	1
13	Punjab	1.75
14	Uttar Pradesh	1.5
15	Uttarakhand	51.5
Total		400.70

III. Large Hydro:

SLNO	State	Capacity MW)
1	Andhra Pradesh	2160
2	Arunachal Pradesh	2000
3	Assam	120
4	Himachal Pradesh	2010
5	Jammu & Kashmir	3099.5
6	Kerala	100
7	Madhya Pradesh	400
8	Maharashtra	80
9	Punjab	206
10	Sikkim	1037
11	Tamil Nadu	500
12	Uttarakhand	2271
13	West Bengal	120
		14103.50