

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 1096**  
ANSWERED ON 26.07.2022

**POWER GENERATED FROM GARBAGE WASTE**

1096. LT. GEN. (DR.) D. P. VATS (RETD.)  
SHRI HARNATH SINGH YADAV

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

- (a) the quantum of power generated from garbage/waste materials in the country;
- (b) whether the schemes/programmes being implemented in various States for developing renewable energy sources have been successful; and
- (c) if so, the details thereof ?

**ANSWER**

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

**(SHRI BHAGWANTH KHUBA)**

(a) As on 30.06.2022, 11 plants with a total cumulative installed capacity of 139.14 MW of power generation from Municipal Solid Waste (MSW) have been set up in the country. These plants have the capacity of processing approximately 11,000 tons of MSW/day to generate electricity. The details of these plants are at **Annexure-I**.

(b) & (c) Schemes/programmes for implementation of renewable energy sources have been successful in adding **about** 161 GW capacity from renewable sources in the various states of the country. State-wise details of RE capacity added in the country are at **Annexure-II**.

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**Annexure-I**

**Annexure in reply to part (a) of the Rajya Sabha unstarred Question No. 1096 to be answered on 26.07.2022 regarding “Power Generated from Garbage Waste”**

**Projects for power generation from Municipal Solid Waste (MSW) installed in the Country, as on 30-06-2022**

<b>Sno.</b>	<b>State</b>	<b>Project Developer</b>	<b>Location of Plant</b>	<b>Waste Quantity (TPD)</b>	<b>Installed capacity (MW)</b>
<b>1.</b>	Delhi	M/s Timarpur Okhla Waste Management Company Ltd. (TOWMCL)	Old NDMC Compost Plant, Okhla, New Delhi	1500	23.00
<b>2.</b>	Delhi	M/s East Delhi Waste processing, Barakhamba, New Delhi	Ghazipur, New Delhi	1000	12.00
<b>3.</b>	Delhi	M/s Delhi MSW Solutions ltd. (Ramky Group)	Narela , Delhi	2000	24.00
<b>4.</b>	Madhya Pradesh	M/s EsselInfra projects Ltd.	Jabalpur, Madhya Pradesh	600	11.50
<b>5.</b>	Maharashtra	M/s Solapur Bio-energy Systems Pvt. Ltd.,	Kachra Depo, Tuljapur Road, Solapur, Maharashtra	400	3.00
<b>6.</b>	Goa	M/s Hindustan Waste Treatment Pvt. Ltd.	Saligao, Bardez, Goa	-	0.34
<b>7.</b>	Telangana	Hyderabad MSW Energy Solutions Pvt Ltd	Jawaharnagar, Hyderabad, Telangana	1200	19.8
<b>8.</b>	Haryana	JBM Group	Sonipat in Haryana	550	8
<b>9.</b>	Andhra Pradesh	M/s Jindal Urban Waste management (Guntur) Limited	Kondaveeduvillage, Guntur, Andhra Pradesh	1600	15
<b>10.</b>	Gujarat	M/s Goodwatts WTE Jamnagar Private limited	Vill: Navagam(Ghed) Tal & Dist. Jamnagar	400	7.5
<b>11.</b>	Andhra Pradesh	M/s Jindal Urban Waste management (Vizag) Limited	Vizag, Andhra Pradesh	1600	15
<b>Total</b>				<b>108,50</b>	<b>139.14</b>

## **Annexure-II**

**Annexure in reply to part (b) & (c) of the Rajya Sabha unstarred Question No. 1096 to be answered on 26.07.2022 regarding “Power Generated from Garbage Waste”**

**Source-wise and State-wise installed capacity of Renewable Power, as on as on 30.06.2022**

<b>State-wise installed capacity of Renewable Power (including Large Hydro) as on 30.06.2022</b>							
<b>S. No.</b>	<b>STATES / Uts</b>	<b>Small Hydro Power</b>	<b>Wind Power</b>	<b>Bio Power</b>	<b>Solar Power</b>	<b>Large Hydro</b>	<b>Total Capacity</b>
		<b>(MW)</b>	<b>(MW)</b>	<b>(MW)</b>	<b>(MW)</b>	<b>(MW)</b>	<b>(MW)</b>
1	Andhra Pradesh	162.11	4096.65	566.04	4390.48	1610.00	10825.28
2	Arunachal Pradesh	133.11		0.00	11.23	1115.00	1259.34
3	Assam	34.11		2.00	142.94	350.00	529.05
4	Bihar	70.70		126.02	190.69		387.41
5	Chhatisgarh	76.00		275.00	529.32	120.00	1000.32
6	Goa	0.05		0.34	21.54		21.93
7	Gujarat	89.39	9419.42	109.26	7806.80	1990.00	19414.87
8	Haryana	73.50		258.00	943.61		1275.11
9	Himachal Pradesh	954.11		10.20	80.56	10263.02	11307.89
10	Jammu & Kashmir*	144.68		0.00	47.90	3449.00	3641.58
11	Jharkhand	4.05		4.30	88.79	210.00	307.14
12	Karnataka	1280.73	5182.15	1902.15	7597.92	3689.20	19652.15
13	Kerala	266.52	62.50	2.50	539.60	1864.15	2735.27
14	Ladakh	39.64		0.00	7.80	0.00	47.44
15	Madhya Pradesh	99.71	2519.89	131.33	2746.27	2235.00	7732.20
16	Maharashtra	381.08	5012.83	2632.15	2753.30	3047.00	13826.36
17	Manipur	5.45		0.00	12.26	105.00	122.71
18	Meghalaya	32.53		13.80	4.16	322.00	372.49
19	Mizoram	36.47		0.00	8.01	60.00	104.48
20	Nagaland	31.67		0.00	3.04	75.00	109.71
21	Odisha	115.63		59.22	452.13	2154.55	2781.53
22	Punjab	176.10		491.65	1117.99	1096.30	2882.04
23	Rajasthan	23.85	4495.82	125.08	14454.70	411.00	19510.45
24	Sikkim	55.11		0.00	4.69	2282.00	2341.80
25	Tamil Nadu	123.05	9866.37	1042.70	5690.79	2178.20	18901.11
26	Telangana	90.87	128.10	219.74	4621.07	2405.60	7465.38
27	Tripura	16.01		0.00	15.87		31.88
28	Uttar Pradesh	49.10		2189.99	2244.56	501.60	4985.25
29	Uttarakhand	218.82		139.44	573.54	3975.35	4907.15
30	West Bengal	98.50		322.45	176.00	1341.20	1938.15

31	Andaman & Nicobar	5.25		0.00	29.91		35.16
32	Chandigarh			0.00	56.85		56.85
33	Dadar & Nagar Haveli			0.00	5.46		5.46
34	Daman & Diu			0.00	41.01		41.01
35	Delhi			59.00	211.12		270.12
36	Lakshwadeep			0.00	3.27		3.27
37	Pondicherry			0.00	35.53		35.53
38	Others		4.30	0.00	45.01		49.31
	<b>Total (MW)</b>	<b>4887.90</b>	<b>40788.03</b>	<b>10682.36</b>	<b>57705.72</b>	<b>46850.17</b>	<b>160914.18</b>
* includes Ladakh for Large Hydro							