

**LOK SABHA**  
**UNSTARRED QUESTION No. 4133**  
TO BE ANSWERED ON 19<sup>th</sup> December, 2024

**STARTUPS AND SMALL ENTERPRISES IN THE FIELD OF BIOFUEL  
PRODUCTION**

4133. SHRI E T MOHAMMED BASHEER:

पेट्रोलियम और प्राकृतिक गैस मंत्री

Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

- (a) the mechanism adopted by the Government to work with startups and small enterprises to drive innovation in biofuel production and to support India's energy; and
- (b) the details and the current status of the country's renewable energy projects, State/UT-wise along with the percentage of national power currently sourced from renewable?

**ANSWER**

पेट्रोलियम और प्राकृतिक गैस मंत्रालय में राज्य मंत्री  
(श्री सुरेश गोपी)

**MINISTER OF STATE IN THE MINISTRY OF PETROLEUM &  
NATURAL GAS  
(SHRI SURESH GOPI)**

(a): The Government with intent to build a strong ecosystem of the country for nurturing innovation, startups and encouraging investments in the startup ecosystem of the country launched the Startup India initiative on 16<sup>th</sup> January, 2016. Under this Initiative, the Government is implementing Startup India Seed Fund Scheme (SISFS) and Credit Guarantee Scheme for Startups (CGSS) to support startups at various stages of their business cycle. In line with Startup India initiative, Public Sector Oil Marketing Companies encourage innovation by supporting startups involved in varied fields including biofuels value chain by floating innovation challenges regularly on PAN India basis and funding the projects based on merit.

(b): As per Ministry of New and Renewable Energy, renewable energy accounts for 45.00% of total installed generation capacity in the country as on 30.11.2024 and has contributed 20.69% of total power generation in the year 2023-24. The details and the current status of the country's renewable energy projects, State/UT-wise is at Annexure.

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**ANNEXURE**

**ANNEXURE REFERRED TO IN REPLY TO PART (b) OF LOK SABHA UNSTARRED QUESTION NO. 4133 FOR 19.12.2024 REGARDING STARTUPS AND SMALL ENTERPRISES IN THE FIELD OF BIOFUEL PRODUCTION**

**State-wise (Location based) installed capacity of Renewable Power as on 30.11.2024.**

S. No.	STATES / UTs	Small Hydro Power	Wind Power	Bio-Power					Solar Power				Solar Power Total	Large Hydro	Total Capacity
				Biomass Power/ Bagasse Cogeneration	Biomass Cogeneration (Non-Bagasse)	Waste to Energy	Waste to Energy (Off-grid)	Bio Power Total	Ground Mounted Solar	PM-Surya Ghar Yojna (Solar Rooftop)	Hybrid Solar Comp.	Off-grid Solar/ KUSUM			
		(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)
1	Andhra Pradesh	163.31	4096.65	378.10	113.57	53.16	29.56	574.39	4337.67	227.59	0.00	88.34	4653.60	1610.00	11097.95
2	Arunachal Pradesh	140.61	-	-	-	-	-	0.00	1.27	6.68	0.00	6.77	14.72	1115.00	1270.33
3	Assam	34.11	-	-	2.00	-	-	2.00	126.00	47.25	0.00	9.44	182.69	350.00	568.80
4	Bihar	70.70	-	112.50	26.40	-	1.32	140.22	146.06	99.66	0.00	21.28	267.00	-	477.92
5	Chhattisgarh	76.00	-	272.09	2.50	-	0.41	275.00	776.60	103.19	0.00	390.73	1270.52	120.00	1741.52
6	Goa	0.05	-	-	-	1.94	-	1.94	0.95	47.88	0.00	1.41	50.24	-	52.23
7	Gujarat	91.64	12368.48	65.30	12.00	7.50	31.80	116.60	10416.57	4646.91	783.54	89.09	15936.11	1990.00	30502.83
8	Haryana	73.50	-	151.40	111.26	11.20	18.76	292.62	266.80	766.06	0.00	923.49	1956.35	-	2322.47
9	Himachal Pradesh	1000.71	-	-	9.20	-	1.00	10.20	80.68	24.63	0.00	34.58	139.89	10281.02	11431.82
10	Jammu & Kashmir	189.93	-	-	-	-	-	0.00	2.49	42.16	0.00	29.50	74.15	3360.00	3624.08
11	Jharkhand	4.05	-	-	19.10	-	-	19.10	21.00	93.04	0.00	73.05	187.09	210.00	420.24
12	Karnataka	1284.73	6724.37	1868.91	20.20	1.00	19.84	1909.95	8288.78	648.50	0.00	38.37	8975.65	3689.20	22583.90
13	Kerala	276.52	63.50	-	2.27	-	0.23	2.50	323.21	965.52	0.00	24.93	1313.66	1904.15	3560.33
14	Ladakh	44.49	-	-	-	-	-	0.00	6.00	1.80	0.00	0.00	7.80	89.00	141.29
15	Madhya Pradesh	123.71	2844.29	92.50	14.85	15.40	12.19	134.94	4358.10	449.94	0.00	102.04	4910.08	2235.00	10248.02
16	Maharashtra	384.28	5216.38	2907.30	16.40	12.59	47.76	2984.05	4802.12	2733.86	0.00	827.57	8363.55	3047.00	19995.26

17	Manipur	5.45	-	-	-	-	-	0.00	0.60	7.11	0.00	6.08	13.79	105.00	124.24
18	Meghalaya	55.03	-	-	13.80	-	-	13.80	0.00	0.21	0.00	4.07	4.28	322.00	395.11
19	Mizoram	45.47	-	-	-	-	-	0.00	22.00	1.96	0.00	6.39	30.35	60.00	135.82
20	Nagaland	32.67	-	-	-	-	-	0.00	0.00	1.00	0.00	2.17	3.17	75.00	110.84
21	Odisha	115.63	-	50.40	8.82	-	-	59.22	507.80	59.94	0.00	42.21	609.95	2154.55	2939.35
22	Punjab	176.10	-	299.50	231.79	10.75	25.21	567.25	886.27	419.42	0.00	81.36	1387.05	1096.30	3226.70
23	Rajasthan	23.85	5195.82	119.25	2.00	-	4.81	126.06	20609.07	1382.17	1980.00	805.45	24776.69	411.00	30533.42
24	Sikkim	55.11	-	-	-	-	-	0.00	0.52	5.12	0.00	1.92	7.56	2282.00	2344.67
25	Tamil Nadu	123.05	11317.24	969.10	43.55	6.40	26.40	1045.45	8507.91	849.60	0.00	69.55	9427.06	2178.20	24091.00
26	Telangana	90.87	128.10	158.10	3.30	45.80	14.47	221.67	4360.49	472.90	0.00	8.71	4842.10	2405.60	7688.34
27	Tripura	16.01	-	-	-	-	-	0.00	5.07	4.78	0.00	11.19	21.04	-	37.05
28	Uttar Pradesh	49.10	-	1985.50	165.26	-	115.13	2265.89	2700.02	273.81	0.00	315.03	3288.86	501.60	6105.45
29	Uttarakhand	233.82	-	72.72	60.00	-	9.52	142.24	298.40	273.71	0.00	20.96	593.07	4035.35	5004.48
30	West Bengal	98.50	-	300.00	43.52	-	4.84	348.36	230.20	67.13	0.00	13.14	310.47	1341.20	2098.53
31	Andaman & Nicobar Islands	5.25	-	-	-	-	-	0.00	25.05	4.59	0.00	0.27	29.91	-	35.16
32	Chandigarh	-	-	-	-	-	-	0.00	6.34	69.11	0.00	0.81	76.26	-	76.26
33	Dadra & Nagar Haveli and Daman & Diu	-	-	3.75	-	-	-	3.75	14.30	33.82	0.00	0.00	48.12	-	51.87
34	Delhi	-	-	-	-	84.00	-	84.00	9.84	281.08	0.00	1.46	292.38	-	376.38
35	Lakshadweep	-	-	-	-	-	-	0.00	2.45	0.00	0.00	2.52	4.97	-	4.97
36	Puducherry	-	-	-	-	-	-	0.00	0.88	51.58	0.00	0.18	52.64	-	52.64
37	Others	-	4.30	-	-	-	-	0.00	0.00	0.00	0.00	45.01	45.01	-	49.31
	<b>Total (MW)</b>	<b>5084.25</b>	<b>47959.13</b>	<b>9806.42</b>	<b>921.79</b>	<b>249.74</b>	<b>363.25</b>	<b>11341.20</b>	<b>72141.51</b>	<b>15163.71</b>	<b>2763.54</b>	<b>4099.07</b>	<b>94167.83</b>	<b>46968.17</b>	<b>205520.58</b>
<b>MW = Megawatt</b>															