

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO-2753

TO BE ANSWERED ON-27.12.2018

ENERGY GENERATION TARGET

2753. SHRI KRUPAL BALAJI TUMANE

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

- (a) the details of the targets fixed and achieved for generation of electricity through renewable energy sources in the country during the last three years and the current year, State-wise/source-wise;
- (b) whether the schemes/programmes being implemented in various States for developing renewable energy sources have been successful;
- (c) if so, the State-wise details thereof and if not, the reasons therefor;
- (d) the details of the incentives being given to the State Governments by the Union Government for implementation of these schemes;
- (e) whether the Government has set up any monitoring mechanism for ensuring proper implementation of these schemes; and
- (f) if so, the details thereof?

ANSWER

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

(a) India has set a target for installing 175 GW of RE capacity by 2020. However, no target has been fixed for generation of electricity through renewable sources of energy. The details of generation of electricity through renewable sources of energy during each of the last three years and current year are as follow:

in million units (MU)

Year	Generation
2015-16	65780.85
2016-17	81548.21
2017-18	101839.48
2018-19 (up to Oct 2018)	81149.11

The details of the state wise and source wise generation of electricity through renewable sources of energy during each of the last three years and current year are given in the **Annexure-I**.

(b) & (c) various schemes/ programmes for development of renewable energy are being implemented in the country. So far a cumulative renewable energy capacity of 73.95 GW has been installed in the country. State-wise and source-wise details of implementation are given in **Annexure-II**.

(d) The details of subsidy/incentives being given in the form of Central Financial Assistance (CFA) under various renewable energy schemes/programmes are given in **Annexure-III**.

(e) & (f) The Ministry of New & Renewable Energy (MNRE) has an established mechanism to monitor implementation of its schemes/programmes which includes

- Physical verification by State Implementing/Nodal Agency.
- Project developers to provide generation data on regular basis.
- Periodic inspection by the officials of the Ministry of New and Renewable Energy (MNRE).
- Third party inspection/ evaluation .

37	Meghalaya	0.00	0.00	0.00	0.00	65.96	0.00	65.96
38	Mizoram	0.00	0.00	0.00	0.00	27.62	0.00	27.62
39	Nagaland	0.00	0.00	0.00	0.00	88.73	0.00	88.73
40	Tripura	0.00	0.00	0.00	0.00	18.47	0.00	18.47
41	Neepco	0.00	6.15	0.00	0.00	0.00	0.00	6.15
	Total	33029.39	7447.92	3727.21	12953.29	8354.51	268.53	65780.85

GENERATION from Various Renewable Energy Sources for the Year 2016 – 17

(All figures in MU)

Sl. No.	State/Utility	Wind	Solar	Biomass	Bagasse	Small Hydro	Others	Total
1	Chandigarh	0.00	13.16	0.00	0.00	0.00	0.00	13.16
2	Delhi	0.00	5.68	0.00	0.00	0.00	139.05	144.73
3	Haryana	0.00	19.70	184.66	6.38	238.80	0.00	449.54
4	HP	0.00	0.00	0.00	0.00	2015.58	0.00	2015.58
5	J & K	0.00	0.77	0.00	0.00	325.36	0.00	326.12
6	Punjab	0.00	909.20	528.17	214.14	497.99	0.00	2149.49
7	Rajasthan	5562.52	2131.61	272.97	0.00	6.76	0.00	7973.85
8	Uttar Pradesh	0.00	230.95	165.39	3214.09	27.83	0.00	3638.26
9	Uttarakhand	0.00	37.77	0.00	110.92	850.50	0.00	999.19
10	NTPC (Dadri, Faridabad, Unchahar, Singrauli & Bhadla)	0.00	74.90	0.00	0.00	0.00	0.00	74.90
11	Oil India Ltd	201.61	25.59	0.00	0.00	0.00	0.00	227.20
12	Chhattisgarh	0.00	120.91	1281.10	0.00	44.21	0.00	1446.22
13	NTPC (Rajgarh)	0.00	82.21	0.00	0.00	0.00	0.00	82.21
14	Gujarat	7720.01	1738.28	12.16	0.00	27.54	0.00	9497.99
15	Madhya Pradesh	3563.17	1366.10	86.59	1.82	224.46	26.53	5268.67
16	Maharashtra	7490.75	577.83	573.58	2040.76	609.58	0.20	11292.70
17	Dadra and Nagar Haveli	0.00	1.31	0.00	0.00	0.00	0.00	1.31
18	Daman & Diu	0.00	14.43	0.00	0.00	0.00	0.00	14.43
19	Andhra Pradesh	3187.85	1599.78	350.24	169.74	168.75	6.90	5483.26
20	Telangana	211.93	1337.90	176.01	180.93	52.62	40.48	1999.89
21	Karnataka	6058.65	524.67	157.50	1550.61	1294.25	0.00	9585.68
22	Kerala	72.59	26.52	1.23	0.00	462.38	0.00	562.72
23	NTPC(Ramagundem & Anantapuram)	0.00	350.53	0.00	0.00	0.00	0.00	350.53
24	Tamil Nadu	11935.26	1898.34	349.14	877.34	93.79	0.00	15153.87
25	Lakshadweep	0.00	1.59	0.00	0.00	0.00	0.00	1.59
26	Puducherry	0.00	0.34	0.00	0.00	0.00	0.00	0.34
27	Andaman & Nicobar	0.00	6.17	0.00	0.00	13.86	0.00	20.03
28	Bihar	0.00	109.18	1.72	159.66	21.96	0.00	292.53
29	Jharkhand	0.00	38.47	0.00	0.00	0.00	0.00	38.47
30	Odisha	0.00	210.81	57.85	0.00	239.05	0.00	507.71
31	Sikkim	0.00	0.00	0.00	0.00	35.78	0.00	35.78
32	West Bengal	0.00	14.96	0.00	1433.95	120.86	0.00	1569.77
33	DVC	0.00	0.01	0.00	0.00	14.08	0.00	14.09
34	NTPC (Andaman & Talcher)	0.00	20.00	0.00	0.00	0.00	0.00	20.00

35	Arunachal Pradesh	0.00	0.14	0.00	0.00	27.29	0.00	27.43
36	Assam	0.00	2.69	0.00	0.00	11.47	0.00	14.15
37	Manipur	0.00	0.01	0.00	0.00	0.00	0.00	0.01
38	Meghalaya	0.00	0.00	0.00	0.00	59.10	0.00	59.10
39	Mizoram	0.00	0.00	0.00	0.00	49.62	0.00	49.62
40	Nagaland	0.00	0.00	0.00	0.00	92.73	0.00	92.73
41	Tripura	0.00	0.00	0.00	0.00	46.47	0.00	46.47
42	NEEPCO	0.00	6.89	0.00	0.00	0.00	0.00	6.89
	Total	46004.34	13499.41	4198.30	9960.34	7672.66	213.16	81548.21

Generation from Various Renewable Energy Sources for the Year 2017 – 18

(All figures in MU)

Sl. No.	State/Utility	Wind	Solar	Biomass	Bagasse	Small Hydro	Others	Total
1	Chandigarh	0.00	7.87	0.00	0.00	0.00	0.00	7.87
2	Delhi	0.00	13.41	0.00	0.00	0.00	227.68	241.09
3	Haryana	0.00	64.65	195.66	90.10	210.29	0.00	560.70
4	HP	0.00	0.00	0.00	0.00	1903.05	0.00	1903.05
5	J & K	0.00	0.00	0.00	0.00	324.37	0.00	324.37
6	Punjab	0.00	1432.07	489.68	204.50	217.62	0.00	2343.87
7	Rajasthan	5665.45	3469.25	340.84	0.00	8.69	0.00	9484.23
8	Uttar Pradesh	0.00	637.02	129.30	3809.79	30.18	0.00	4606.29
9	Uttarakhand .	0.00	291.08	0.00	143.81	749.61	0.00	1184.50
10	NTPC (Dadri, Faridabad, Unchahar Singrauli & Bhadla)	0.00	480.99	0.00	0.00	0.00	0.00	480.99
11	Oil India Ltd	225.79	25.46	0.00	0.00	0.00	0.00	251.25
12	Chhattisgarh	0.00	136.54	909.72	0.00	22.94	0.00	1069.21
13	NTPC(Rajgarh, Rojmal & Mandsaur)	41.86	340.13	0.00	0.00	0.00	0.00	381.99
14	Gujarat	9635.65	2048.40	32.65	0.00	42.93	0.00	11759.63
15	Madhya Pradesh	4139.84	1911.70	21.94	54.17	124.11	41.14	6292.90
16	Maharashtra	6541.35	1100.67	539.10	3228.72	627.12	0.01	12036.98
17	Dadra and Nagar Haveli	0.00	5.23	0.00	0.00	0.00	0.00	5.23
18	Daman & Diu	0.00	18.53	0.00	0.00	0.00	0.00	18.53
19	Andhra Pradesh	6354.11	3658.97	206.49	189.03	181.69	7.18	10597.47
20	Telangana	195.29	4013.80	175.48	114.02	51.27	82.43	4632.28
21	Karnataka	7410.29	2391.73	135.60	1921.96	1604.41	0.00	13463.98
22	Kerala	98.46	55.35	0.00	0.00	620.52	0.00	774.32
23	NTPC(Ramagundem & Anantapuram)	0.00	426.37	0.00	0.00	0.00	0.00	426.37
24	Tamil Nadu	12358.01	2906.01	178.33	551.39	186.14	0.00	16179.86
25	Lakshadweep	0.00	1.79	0.00	0.00	0.00	0.00	1.79
26	Puducherry	0.00	1.17	0.00	0.00	0.00	0.00	1.17
27	Andaman & Nicobar	0.00	6.88	0.00	0.00	12.77	0.00	19.65
28	Bihar	0.00	145.34	2.93	152.84	7.95	0.00	309.06
29	Jharkhand	0.00	19.47	0.00	0.00	0.00	0.00	19.47
30	Odisha	0.00	204.77	47.22	0.00	265.57	0.00	517.56
31	Sikkim	0.00	0.00	0.00	0.00	30.54	0.00	30.54
32	West Bengal	0.00	20.47	0.00	1387.01	183.05	0.00	1590.54
33	DVC	0.00	0.06	0.00	0.00	9.47	0.00	9.54

34	NTPC(Andaman & Talcher)	0.00	20.43	0.00	0.00	0.00	0.00	20.43
35	Arunachal Pradesh	0.00	0.23	0.00	0.00	0.47	0.00	0.70
36	Assam	0.00	8.36	0.00	0.00	16.13	0.00	24.49
37	Manipur	0.00	0.15	0.00	0.00	0.00	0.00	0.15
38	Meghalaya	0.00	0.00	0.00	0.00	70.56	0.00	70.56
39	Mizoram	0.00	0.00	0.00	0.00	54.67	0.00	54.67
40	Nagaland	0.00	0.00	0.00	0.00	91.00	0.00	91.00
41	Tripura	0.00	0.00	0.00	0.00	44.48	0.00	44.48
42	NEEPCO	0.00	6.71	0.00	0.00	0.00	0.00	6.71
	Total	52666.09	25871.07	3404.95	11847.35	7691.58	358.45	101839.48

Generation from Various Renewable Energy Sources for the Year 2018 – 19 (Up to October, 2018)

(All figures in MU)

Sl. No.	State/Utility	Wind	Solar	Biomass	Bagasse	Small Hydro	Others	Total
1	Chandigarh	0.00	9.49	0.00	0.00	0.00	0.00	9.49
2	Delhi	0.00	7.96	0.00	0.00	0.00	163.61	171.57
3	Haryana	0.00	39.96	112.75	70.82	164.72	0.00	388.25
4	HP	0.00	0.00	0.00	0.00	1835.13	0.00	1835.13
5	J & K	0.00	0.00	0.00	0.00	219.18	0.00	219.18
6	Punjab	0.00	953.14	194.65	89.28	123.00	0.00	1360.07
7	Rajasthan	4782.41	2430.37	180.75	0.00	0.77	0.00	7394.29
8	Uttar Pradesh	0.00	668.58	59.43	1325.43	9.62	0.00	2063.07
9	Uttarakhand	0.00	192.83	0.00	18.21	466.68	0.00	677.72
10	NTPC Dadri+FBD+Unchahar+ Singrauli+ Bhadla	0.00	299.74	0.00	0.00	10.11	0.00	309.85
11	Oil India Ltd Rajasthan	63.74	15.15	0.00	0.00	0.00		78.89
12	Chhattisgarh	0.00	189.59	355.20	0.00	66.36	0.00	611.16
13	NTPC Rajgarh/ Rajmal/ Mandsaur	60.58	267.41	0.00	0.00	0.00	0.00	327.99
14	Gujarat	7758.70	1227.52	41.41	0.00	48.53	0.00	9076.16
15	Madhya Pradesh	3633.40	1294.98	1.25	18.83	67.70	29.32	5045.47
16	Maharashtra	6189.20	1161.39	248.80	599.52	433.29	0.15	8632.35
17	Dadra and Nagar Haveli	0.00	2.95	0.00	0.00	0.00	0.00	2.95
18	Daman & Diu	0.00	10.08	0.00	0.00	0.00	0.00	10.08
19	Oil India Ltd Madhya Pradesh & Gujrat	170.28	0.00	0.00	0.00	0.00	0.00	170.28
20	Andhra Pradesh	6810.10	2610.68	126.82	169.08	102.76	3.84	9823.28
21	Telangana	182.08	3520.40	89.95	38.23	32.14	47.67	3910.48
22	Karnataka	7298.14	3908.74	87.68	285.72	1448.53	0.00	13028.82
23	Kerala	82.75	54.40	0.00	0.00	373.79	0.00	510.94
24	NTPS Ramagundam/ Anantapuram	0.00	246.09	0.00	0.00	0.00	0.00	246.09
25	Tamil Nadu	11099.40	1963.42	54.57	121.95	244.88	0.00	13484.22
26	Lakshadweep	0.00	0.75	0.00	0.00	0.00	0.00	0.75
27	Ponducherry	0.00	1.26	0.00	0.00	0.00	0.00	1.26
28	Andaman Nicobar	0.00	3.57	0.00	0.00	9.95		13.52
29	Bihar	12.28	95.83	2.03	49.74	21.61		181.48
30	Jharkhand	0.00	10.96	0.00	0.00	0.00		10.96
31	Orissa	10.76	137.76	33.79	0.00	192.90		375.22
32	Sikkim	0.00	0.00	0.00	0.00	19.03		19.03

33	West Bengal	0.00	20.58	0.00	794.08	137.84		952.49
34	DVC	0.00	0.04	0.00	0.00	0.24		0.28
35	NTPC Andman+ Talchar	0.00	10.70	0.00	0.00	0.00		10.70
36	Arunachal Pradesh		0.69			0.27		0.95
37	Assam		3.66			8.34		12.00
38	Manipur		0.59			0.00		0.59
39	Meghalaya		0.00			32.78		32.78
40	Mizoram		0.00			22.23		22.23
41	Nagaland		0.00			68.92		68.92
42	Tripura		0.00			24.70		24.70
43	Neepto		3.92			29.61		33.53
	Total	48153.82	21365.19	1589.08	3580.89	6215.61	244.60	81149.18

Source: Central Electricity Authority (CEA)

Annexure-II

**Annexure-II referred to in reply to part (b & c) of Lok Sabha Un-starred Question No. 2753 for
27/12/2018 regarding 'Energy Generation Target'**

State-wise installed capacity of Grid Interactive Renewable Power as on 30.11.2018.

S. No	STATES / Uts	Small Hydro Power	Wind Power	Bio-Power				Solar Power			Total Capacity
				BM Power/Ba gasse Cogen. (Grid Interactive)	BM Cogen. (Non-Bagasse/ Power)	Waste to Energy	Total Bio Power	Ground Mounted	Roof Top	Total	
		(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)
1	Andhra Pradesh	162.11	4074.35	378.20	98.98	23.16	500.34	2594.17	47.59	2641.76	7378.56
2	Arunachal Pradesh	107.100						1.27	4.12	5.39	112.49
3	Assam	34.11						10.67	6.01	16.68	50.79
4	Bihar	70.70		113.00	8.20		121.20	138.93	3.52	142.45	334.35
5	Chhatisgarh	76.00		228.00	2.50		230.50	215.83	15.52	231.35	537.85
6	Goa	0.05						0.20	0.71	0.91	0.96
7	Gujarat	30.10	5852.67	65.30	12.00		77.30	1644.29	146.64	1790.93	7751.00
8	Haryana	73.50		121.40	84.26		205.66	130.80	86.29	217.09	496.25
9	Himachal Pradesh	860.61			7.20		7.20	0.00	3.89	3.89	871.70
10	Jammu & Kashmir	179.03						8.49	1.36	9.85	188.88
11	Jharkhand	4.05			4.30		4.30	19.05	13.02	32.07	40.42
12	Karnataka	1230.73	4672.30	1783.60	15.20	1.00	1799.80	5104.06	151.05	5255.11	12957.94
13	Kerala	222.02	52.50		0.72		0.72	100.00	38.49	138.49	413.73
14	Madhya Pradesh	95.91	2519.890	93.00	12.35	15.40	120.75	1507.73	28.52	1536.25	4272.80
15	Maharashtra	373.570	4788.13	2499.70	16.40	12.59	2528.69	1267.30	160.49	1427.79	9118.18
16	Manipur	5.45						0.00	2.59	2.59	8.04
17	Meghalaya	31.03			13.80		13.80	0.00	0.08	0.08	44.91
18	Mizoram	36.47						0.10	0.10	0.20	36.67
19	Nagaland	30.67						0.00	1.00	1.00	31.67
20	Odisha	64.625		50.40	8.82		59.22	113.56	5.84	119.40	243.25
21	Punjab	173.55		194.00	123.10	9.25	326.35	828.1	77.52	905.62	1405.52
22	Rajasthan	23.85	4299.72	119.30	2.00		121.30	3038.49	92.5	3130.99	7575.86
23	Sikkim	52.11						0.00	0.01	0.01	52.12
24	Tamil Nadu	123.05	8624.29	926.00	28.55	6.40	960.95	2098.27	130.17	2228.44	11936.73
25	Telangana	90.87	128.10	158.10	1.00	18.50	177.60	3363.29	46.97	3410.26	3806.83
26	Tripura	16.01						5.00	0.09	5.09	21.10
27	Uttar Pradesh	25.10		1957.50	160.01		2117.51	749.00	57.01	806.01	2948.62
28	Uttarakhand	214.320		73.00	57.50		130.50	239.78	63.40	303.18	648.00
29	West Bengal	98.50		300.00	19.92		319.92	20.71	18.58	39.29	457.71
30	Andaman & Nicobar	5.25						5.10	1.46	6.56	11.81
31	Chandigarh							6.34	24.44	30.78	30.78
32	Dadar & Nagar Haveli							2.49	2.97	5.46	5.46
33	Daman & Diu							10.15	3.23	13.38	13.38
34	Delhi					52.00	52.00	8.96	97.60	106.56	158.56
35	Lakshwadeep							0.75	0.00	0.75	0.75
36	Pondicherry							0.03	1.7	1.73	1.73
37	Others		4.30								4.30
	Total (MW)	4510.445	35016.250	9060.50	676.81	138.30	9875.61	23232.91	1334.48	24567.39	73969.70

MW = Megawatt

**Annexure-III referred to in reply to part (d) of Lok Sabha Un-starred Question No. 2753 for
27/12/2018 regarding 'Energy Generation Target'
Subsidies and Incentives being provided as Central Financial Assistance (CFA) for the promotion
of various renewable energy sources**

A. GRID-INTERACTIVE RENEWABLE POWER PROGRAMMES:

1. Wind Power Projects.		
Wind Projects		Accelerated depreciation benefits upto 40%
2. Solar Power Projects.		
a) Solar PV Power projects under Jawaharlal Nehru National Solar Mission (JNNSM) Phase-II, Batch-I of total 750 MW with Viability Gap Funding (VGF) support from National Clean Energy Fund (NCEF).	Minimum Project Capacity 10 MW Maximum Project Capacity 50 MW	VGF support up to 30% of Project Cost limited or maximum of Rs.2.50 Cr/MW whichever is less, based on reverse bidding process for power producers.
b) Grid Connected Rooftop Solar PV Power Projects in residential, institutional and social sector	Benchmark of Rs 60 to 70 per watt depending upon the capacity.	Central Financial Assistance (CFA) up to 30% of benchmark cost for the General Category States/UTs and up to 70% of benchmark cost for Special Category States/UTs, i.e. North Eastern States including Sikkim, Uttarakhand, Himachal Pradesh, Jammu & Kashmir and Lakshadweep, Andaman & Nicobar Islands is provided to consumers for installation of grid connected solar rooftop projects. Incentives are also provided for promotion of roof top SPV power in Government sector. No subsidy is provided for commercial and industrial establishments in private sector.
c) Grid connected Solar PV Power Projects by Central Public Sector Undertakings (CPSUs).	Total size of the scheme 1000MW.	VGF support to the CPSUs/Govt. Of India Organizations at a fixed rate of Rs.1 crore/MW for projects where domestically produced cells and modules are used and Rs. 0.50 crores/MW in cases where domestically produced modules are used.
d) Grid-connected Solar PV Power plants on Canal Banks and Canal Tops	1 MW to 10 MW	Rs 1.5 Crore/MW for Canal Bank and Rs 3.0 Crore/MW for Canal Top Projects, subject to 30% of the project cost in both the cases.
e) Solar Park Scheme	--	25 lakh per Solar park for preparation of Detailed Project Report(DPRs). 20 Lakh per MW or 30% of the project cost

		including Grid-connectivity cost, whichever is lower
f) Solar PV scheme for Defence Establishments	--	Tender issued before 17/02/2017- VGF support is 2.50 cr/MW Tender issued after 17/02/2017- Rs 1.1 crore / MW for all capacities.

3. Small Hydro Power (SHP) Projects: (valid for the projects commenced on or before 31-03-2017)**

Support to new SHP projects (producers) in Government sector:

Category	Above 100 KW and up to 1000 KW	Above 1 MW – 25 MW
Special category (J&K, HP &UK) and NE States	75,000 per KW.	7.5 Crores / MW limited to 20 crore per project.
Other States	35,000 per KW.	3.5 Crores / MW limited to 20 crore per project.

Support to new SHP projects (producers) in private / co-operative / joint sector:

Areas	Upto 25 MW
N E Region, J & K, H.P. &Uttarakhand (Special Category States)	1.5 crore/ MW limited to 5.00 crore per project
Other States	1.0 crore/ MW limited to 5.00 crore per project

Renovation and Modernization:

for Government Sector projects	Rs 1.00 crore/MW limited to 10.00 crores per project.
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** Incentive schemes for the projects commencing after 1st April 2017 has been approved by EFC and note for CCEA is under preparation.

4.BIOMASS BASED COGENERATION IN SUGAR MILLS AND OTHER INDUSTRIES IN THE COUNTRY (UP TO MARCH 2020)

Type of Project	Rate of CFA
Bagasse Cogeneration in Sugar Mills	Rs 25 lakh/MW calculated on surplus exportable power
Biomass(Non-bagasse) Cogeneration in Industries	Rs 50 laks/MW calculated on installed capacity

5. Waste to Energy Projects:

Type of Waste	Central Financial Assistance to Producers
Municipal Solid Waste	Rs.2.00cr./MW, Max. Support 10 Cr. /project.
Urban Waste	Rs.2.00cr./MW, Max. Support 5 Cr. /project.
Industrial waste	Rs. 0.20cr to Rs. 1.00cr/MW, Max. Support Rs.5.00cr/project.

B. OFF-GRID / DECENTRALIZED RENEWABLE ENERGY PROGRAMMES:

Central Financial Assistance under the New National Biogas and Organic Manure Programme, (NNBOMP) w.e.f. 01.04.2018 for the Medium Term Plan of 14th Finance Commission up to March, 2020 for Biogas Plant size from 1 cu.m.to 25 cu.m. per day.

1. New National Biogas and Organic Manure Programme, (NNBOMP) w.e.f. 01.04.2018

Sno	Particulars of Central Financial Assistance (CFA) and States / UTs, Regions & Categories of beneficiaries	Biogas Plants under NNB OMP (size 1 to 25 cubic metre biogas per day) (In Rupees per plant)				
		1 Cubic Metre	2-6 Cubic Metre	8-10 Cubic Metre	15 Cubic Metre	20 - 25 Cubic Metre
A	Central Subsidy Rates Applicable (In Rs. per plant)					
	I. NER States, including Sikkim and including SC and ST Categories of NER.	17,000	22,000	24,000	25,000	35,000
	II. Special Category States (Jammu & Kashmir, Himachal Pradesh, Uttarakhand, and Andaman & Nicobar Islands) and III. Scheduled Castes / Scheduled Tribes of all other States.	10,000	13,000	18,000	21,000	28,000
	All other States (General Category)	7,500	12,000	16,000	20,000	25,000
B	Additional Subsidy for cattle dung based biogas plants if linked with sanitary toilets, only for individual households (Rs. Per Biogas Plant) fixed amount.	1,600	1,600	1,600	Nil	Nil

2.	Decentralized Solar Photovoltaic Systems.	
	a) Lighting systems/ Power packs	Subsidy of 30% of the device/ project cost
	b) Solar pumps	Subsidy of 30%, 25%, and 20% depending upon pump capacity.
	c) Solar Study lamps	Student contribution Rs 100 Balance to be paid as Central Financial Assistance.
	d) Solar Street light under AJAY scheme	75% of the project cost
3.	Concentrating Solar Thermal Technology	30% of the project cost.
4.	Micro-hydel plants/ Water mills: (valid for the Administrative approval issued till 31/3/2017)	Subsidy/CFA to producers: Rs. 1.25 lakh/kW for Micro-hydel upto 100 kW.
		Rs.0.50 lakh per Watermill for Mechanical output.
		Rs.1.50 lakh per Watermill for Electrical Output.
5.	Biomass Gasifier	CFA/Subsidy to consumers: Rs. 15,000 /kW (with 100% producer gas engine)
		Rs. 2,500/kW for duel fuel engine
		Rs. 2.0 lakh per 300 kW for Thermal Applications
		20% higher CFA for special category states

