

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

RAJYA SABHA
UNSTARRED QUESTION NO. 698
TO BE ANSWERED ON 17.12.2018

Implementation of NAPCC

698. SHRIMATI SHANTA CHHETRI:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) whether implementing the National Action Plan on Climate Change (NAPCC) has borne any positive results so far;
- (b) if so, the details thereof, State/UT wise; and
- (c) the steps taken/ proposed to be taken by Government in this regard?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(DR. MAHESH SHARMA)

- (a) , (b) & (c) Yes Sir, some illustrative key achievements under the National Action Plan on Climate Change (NAPCC) are:
 - i. National Solar Mission: A cumulative capacity of 24,567 MW has been installed till 30th November 2018; 194,700 solar pumps setup till August 2018; 45 solar parks in 21 states with an aggregate capacity of 26,500 MW sanctioned
 - ii. National Mission for Enhancing Energy Efficiency: The Perform, Achieve and Trade scheme under this mission has resulted in an energy saving of 8.67 MTOE which has led to an emissions reduction of 31 million tonnes.
 - iii. Under the National Mission for a Green India, afforestation activities were carried out in an area of 57,239.28 ha in forest and non-forest lands in eight States.
 - iv. National Mission on Sustainable Agriculture: National Innovations in Climate Resilient Agriculture (NICRA) project imparted climate resilience to agriculture sector through research, demonstration and training. Also, around 24.2 million tonnes of neem coated urea was manufactured in 2016-17, reducing N₂O emissions; A total of 1,59,813 ha has been brought under System of Rice Intensification, and 1,62,274 ha has been brought under Direct Seeded Rice system till 2016-17.
 - v. National Mission on Sustaining Himalayan Ecosystem: Six thematic task forces set up; 11 state climate change cells set up to facilitate climate change action in the Himalayan states.

- vi. National Mission on Strategic Knowledge for Climate Change: 11 centres of excellence and 20 major R&D programmes are supported in different areas of climate change science and adaptation; State climate change centres have been established in 10 states; Global technology watch groups have been set up in eight different sectors.
- vii. National Mission on Sustainable Habitat: Around 52.59 lakh individual household toilets were constructed; 4.32 lakh community and public toilets (number of seats) were constructed.
- viii. National Water Mission: State specific action plans on water for water security; baseline studies in irrigation sector; desalination plant in collaboration with Central Salt and Marine Chemicals Research Institute.

State wise indicative key achievements for the National Solar Mission; National Mission for Enhance Energy Efficiency; National Mission for a Green India and National Mission on Sustainable Habitat are at Annexure I.

India is constructively engaged in addressing the challenges of climate change at the global level and is a party to the United Nations Framework Convention on Climate Change (UNFCCC), its Kyoto Protocol, and Paris Agreement.

Annexure-I referred to part (a), (b) of Rajya Sabha Unstarred Question No. 698 by SHRIMATI SHANTA CHHETRI regarding 'Implementation of NAPCC'.

The indicative key achievements of the National Missions under NAPCC:

1) National Solar Mission (Nodal Ministry: Ministry of New and Renewable Energy)

1.1. The State wise solar capacity installed is mentioned below in Table 1-

Table: 1

Commissioning Status of Grid Connected Solar Projects as on 30-11-2018				
Sr. No.	State/UT	Total cumulative capacity till 2017-18 (MW)	Cumulative capacity till 30-11-2018 in 2018-19 (MW)	Total Cumulative Capacity till 30-11-2018 (MW)
1	Andaman & Nicobar	6.56	0.00	6.56
2	Andhra Pradesh	2195.46	446.30	2641.76
3	Arunachal Pradesh	5.39	0.00	5.39
4	Assam	12.45	4.23	16.68
5	Bihar	142.45	0.00	142.45
6	Chandigarh	25.20	5.58	30.78
7	Chhattisgarh	231.35	0.00	231.35
8	Dadar&Nagar	5.46	0.00	5.46
9	Daman & Diu	10.61	2.77	13.38
10	Delhi	69.57	36.99	106.56
11	Goa	0.91	0.00	0.91
12	Gujarat	1588.00	202.93	1790.93
13	Haryana	216.85	0.24	217.09
14	Himachal Pradesh	0.73	3.16	3.89
15	Jammu & Kashmir	1.36	8.49	9.85
16	Jharkhand	25.67	6.40	32.07
17	Karnataka	4944.12	310.98	5255.10
18	Kerala	107.94	30.55	138.49
19	Lakshadweep	0.75	0.00	0.75
20	Madhya Pradesh	1305.35	230.90	1536.25
21	Maharashtra	1239.18	188.61	1427.79
22	Manipur	0.06	2.53	2.59
23	Meghalaya	0.02	0.06	0.08
24	Mizoram	0.20	0.00	0.20
25	Nagaland	1.00	0.00	1.00
26	Odisha	79.57	39.83	119.40

Commissioning Status of Grid Connected Solar Projects as on 30-11-2018				
27	Pondicherry	0.16	1.57	1.73
28	Punjab	905.62	0.00	905.62
29	Rajasthan	2332.77	798.22	3130.99
30	Sikkim	0.00	0.01	0.01
31	Tamil Nadu	1908.57	319.87	2228.44
32	Telangana	3291.25	119.01	3410.26
33	Tripura	5.09	0.00	5.09
34	Uttar Pradesh	694.41	111.60	806.01
35	Uttarakhand	260.08	43.10	303.18
36	West Bengal	37.32	1.97	39.29
Total		21651.46	2915.91	24567.37

Source: MNRE, New Delhi

2) National Mission for Enhanced Energy Efficiency (NMEEE) (Nodal Ministry: Ministry of Power)

Under NMEEE, the details of achievements under the Perform Achieve and Trade (PAT) Cycle-I is as Table 2:

Table: 2

S. No.	Name of State	No. of DCs	Energy Savings (TOE)
1	Andhra Pradesh	18	180704.7265
2	Assam	7	64154.026
3	Bihar	2	33155.86532
4	Chhattisgarh	37	645741.0774
5	Delhi	4	72452.327
6	Goa	4	32237.884
7	Gujarat	49	860716.8636
8	Haryana	7	409511.537
9	Himachal Pradesh	9	49370.53741
10	Jharkhand	8	631433.4536
11	Karnataka	17	355750.2389
12	Kerala	7	9469.83824
13	Madhya Pradesh	23	746418.749
14	Maharashtra	43	719653.7303
15	Meghalaya	2	12678.06306
16	Orissa	24	1001794.162
17	Pondicherry	2	-9992.4
18	Punjab	21	444464.7601
19	Rajasthan	55	721889.7919
20	Tamil Nadu	34	223841.0832
21	Telangana	9	223849.3555
22	Tripura	2	-486.292
23	Uttar Pradesh	25	745767.976
24	Uttarakhand	1	32370.625
25	West Bengal	9	481837.0095

	Total	419	8.69
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Source: Bureau of Energy Efficiency (BEE), New Delhi

3) National Mission for a Green India (Nodal Ministry: Ministry of Environment Forest and Climate Change)

The State wise details of sanctioned targets and achievements under GIM is given below at Table 3-

Table-3

Sl. No.	States	Physical Sanction Targets for afforestation (ha)	
		Target	Achievement ^{^^}
1	Andhra Pradesh ^{^^^}	2737	534
2	Chhattisgarh	19128	19128
3	Karnataka ^{^^^}	1360	760
4	Kerala*	4978	2762.0
5	Manipur	8798	8798
6	Mizoram	19643	19643.6
7	Odisha ^{^^^}	9142.72	2177.72
8	Punjab*	3436	3436
9	Uttarakhand**	7483	-
10	Madhya Pradesh [^]	11914	-
11	Maharashtra [^]	6766.4	-
12	Sikkim [^]	1509.2	-
Total		96895.32	57239.289

Notes: *Fund were revalidated for utilization in FY 2016-17.

** Fund were revalidated for utilization in FY 2016-17 and FY 2018-19.

[^] Targets were sanctioned in current financial year and achievement will be reported in next financial year.

^{^^} Achievements as reported by States.

^{^^^} Additional new targets were also sanctioned for Andhra Pradesh (2203 ha), Karnataka (600 ha) and Odisha (6965 ha) in current financial year (2018-19). The actual achievement will be reported in next financial year.

4) National Mission on Sustainable Habitat (NMSH) (Nodal Ministry: Ministry of Housing and Urban Affairs)

The information on the State-wise achievements of Swachh Bharat Mission-Urban (SBM-U) is given below at Table 4-

Table-4- State-wise Progress of Various Components up to Oct. 2018 under SBM-U

S. No.	States	Individual Household Toilets, Nos.		Total Community and Public toilets (No. of seats)		Municipal Solid Waste Management	
		Under construction	Completed	Under construction	Completed	Ward with 100% door to door collection, Nos.	Total waste processing
1	Andhra Pradesh	9,790	234,574	906	14,327	3,409	29%
2	Andaman & Nicobar Islands	0	336	0	601	24	50%
3	Arunachal Pradesh	3,026	5,611	0	46	72	20%
4	Assam	16,838	16,282	537	1,492	510	35%
5	Bihar	172,182	258,600	4,502	6,914	2,920	43%
6	Chandigarh	0	6,117	0	2,324	26	80%
7	Chhattisgarh	16,210	325,050	0	22,437	3,217	84%
8	Daman & Diu	0	675	10	397	28	53%
9	Dadra & Nagar Haveli	0	1,179	0	85	2	0%
10	NCT of Delhi	238	458	1,755	19,202	254	55%
11	Goa	3,834	1,146	14	216	214	62%
12	Gujarat	6,028	560,046	1,038	21,781	1,415	41%
13	Haryana	2,729	58,407	214	9,514	1,210	17%
14	Himachal Pradesh	84	2,080	0	1,303	341	40%
15	Jammu & Kashmir	978	32,727	1,107	1,759	543	8%
16	Jharkhand	0	213,000	1,207	7,014	938	22%
17	Karnataka	13,958	280,748	1,658	21,729	4,837	26%
18	Kerala	39	37,226	23	2,552	2,858	60%
19	Madhya Pradesh	137,250	497,585	11,326	25,956	6,999	64%
20	Maharashtra	3,403	682,212	427	106,134	5,990	44%
21	Manipur	544	10,999	68	374	130	50%
22	Meghalaya	38	1,037	0	142	27	58%
23	Mizoram	409	2,972	0	160	264	4%
24	Nagaland	6,715	9,300	66	165	104	15%
25	Odisha	6,566	85,660	1,271	5,735	1,605	11%

S. No.	States	Individual Household Toilets, Nos.		Total Community and Public toilets (No. of seats)		Municipal Solid Waste Management	
26	Puducherry	2,423	3,825	140	280	105	10%
27	Punjab	1,116	97,400	343	10,346	2,705	33%
28	Rajasthan	4,758	334,183	1,879	19,427	5,338	50%
29	Sikkim	0	1,066	0	108	53	66%
30	Tamil Nadu	67,220	442,639	1,425	79,444	11,532	51%
31	Telangana	13,705	147,212	639	4,888	2,007	73%
32	Tripura	2,070	613	13	110	65	45%
33	Uttar Pradesh	142,299	611,437	5,106	40,119	7,413	27.56%
34	Uttarakhand	10,862	14,088	354	4,316	806	38%
35	West Bengal	148,463	282,542	2,416	299	2,312	5%
Total		793,775	5,259,032	38,444	431,696	70,273	39.95%

Source: Ministry of Housing & Urban Affairs

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