

GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

**LOK SABHA**  
**UN-STARRED QUESTION NO. 6547**  
TO BE ANSWERED ON 06.04.2018

**National Clean Air Programme**

6547. SHRI G. HARI: DR. P. VENUGOPAL:  
SHRI ADHALRAO PATIL SHIVAJIRAO:  
SHRI SHRIRANG APPA BARNE:  
SHRI VINAYAK BHAURAO RAUT: DR. SHRIKANT EKNATH SHINDE:  
SHRI ANANDRAO ADSUL:

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

- (a) the list of the cities where source apportionment studies will be conducted under the National Clean Air Programme to combat air pollution across 100 cities in next three to five years along with the budgetary allocation made for the purpose;
- (b) the time schedule fixed for individual cities under which all such studies will be completed and the names of the organizations/institutions which are/will be involved in conducting the above-mentioned studies in aforesaid cities;
- (c) the list of the cities and the number of manual/continuous air quality monitoring stations currently installed and to be installed along with the budgetary allocations made and the time scheduled fixed for individual cities for the purpose, city-wise;
- (d) whether there are sector specific targets for power sector and industrial sector i.e. fuel consumption or pollution reduction to achieve the said target of 35 per cent and 50 per cent reduction in pollution over next three to five years respectively under the Programme; and
- (e) whether the accountability to act on achieving the air quality improvement will be on the Government of the respective States or the Chairman of the Pollution Control Board and if so, the details thereof?

**ANSWER**

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

- (a) Source apportionment studies will be taken up in ninety-four (94) non-attainment cities under the National Clean Air Programme (NCAP). These non-attainment cities have been identified by Central Pollution Control Board (CPCB) on the basis of ambient air quality data obtained (2011-2015) under National Air Quality Monitoring Programme

(NAMP) and in which the prescribed National Ambient Air Quality Standards (NAAQS) are violated continuously for five years. State-wise list is given at **Annexure-I**.

- (b) As of now, the NCAP including the source apportionment studies is to be financed over three years after which it is expected to become regular part of State level activities. Central Pollution Control Board along with other organizations will be undertaking these studies in aforementioned cities.
- (c) Central Pollution Control Board is monitoring ambient air quality across the country under National Air Quality Monitoring Programme (NAMP). At present there are 691 manual ambient air quality monitoring stations covering 303 cities/towns in 29 States and 6 Union Territories. In addition, there are 121 real time Continuous Ambient Air Quality Monitoring Stations (CAAQMS) installed in 63 cities. The list of manual monitoring stations and CAAQMS are at **Annexure-II and Annexure-III**, respectively. The strengthening of the ambient air quality monitoring network is a continuous process. However, it has been proposed that monitoring stations shall be set up in uncovered district & towns.
- (d) Sector specific targets will be evolved after finalization of city specific action plan which will indicate the major sources in these cities to be addressed.
- (e) Implementation of NCAP will be responsibility of State Government in consonance with State Pollution Control Board.

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LIST NON-ATTAINMENT W.R.T. PM<sub>10</sub> CITIES DURING THE YEARS 2011-2015(All values are in  $\mu\text{g}/\text{m}^3$ )

S. No.	State	Cities	2011	2012	2013	2014	2015
			PM10	PM10	PM10	PM10	PM10
1.	Andhra Pradesh	Guntur	74	75	75	79	100
2.	Andhra Pradesh	Kurnool	82	74	76	77	82
3.	Andhra Pradesh	Nellore	63	62	62	63	66
4.	Andhra Pradesh	Vijaywada	90	97	104	100	110
5.	Andhra Pradesh	Vishakhapatnam	80	65	67	64	61
6.	Assam	Guwahati	93	92	147	88	97
7.	Assam	Nagaon	86	79	132	100	137
8.	Assam	Nalbari	95	82	140	76	120
9.	Assam	Sibsagar	99	109	120	90	70
10.	Assam	Silchar	78	91	135	80	72
11.	Chandigarh	Chandigarh	102	110	101	91	85
12.	Chattisgarh	Bhillai	106	103	102	108	109
13.	Chattisgarh	Korba	94	81	77	72	66
14.	Delhi	Delhi	222	237	221	217	220
15.	Gujarat	Surat	94	97	88	89	89
16.	Himachal Pradesh	Baddi	98	99	118	109	101
17.	Himachal Pradesh	Damtal	67	97	85	97	105
18.	Himachal Pradesh	Kala Amb	170	165	142	138	118
19.	Himachal Pradesh	Nalagarh	89	89	110	109	89
20.	Himachal Pradesh	Paonta Sahib	72	153	117	128	117
21.	Himachal Pradesh	Parwanoo	87	79	68	66	61
22.	Himachal Pradesh	Sunder Nagar	85	94	74	87	83
23.	Jammu & Kashmir	Jammu	107	119	118	123	125
24.	Jharkhand	Dhanbad	202	178	151	166	168
25.	Karnataka	Bangalore	94	121	113	139	119
26.	Karnataka	Devanagere	67	75	92	85	109
27.	Karnataka	Gulburga	63	65	88	77	95
28.	Karnataka	Hubli-Dharwad	73	77	96	90	75
29.	Madhya Pradesh	Bhopal	175	173	220	160	158
30.	Madhya Pradesh	Dewas	84	92	102	93	90
31.	Madhya Pradesh	Indore	142	143	156	143	97
32.	Madhya Pradesh	Sagar	77	120	156	161	103
33.	Madhya Pradesh	Ujjain	98	80	82	97	93
34.	Maharashtra	Akola	137	139	133	135	128
35.	Maharashtra	Amravati	100	100	90	107	108
36.	Maharashtra	Aurangabad	83	80	84	85	83
37.	Maharashtra	Badlapur	105	124	84	122	105
38.	Maharashtra	Chandrapur	152	148	129	129	103
39.	Maharashtra	Jalgaon	118	130	131	116	108
40.	Maharashtra	Jalna	116	109	122	137	118

41.	Maharashtra	Kolhapur	86	110	118	100	97
42.	Maharashtra	Latur	116	117	97	90	78
43.	Maharashtra	Mumbai	119	117	117	96	107
44.	Maharashtra	Nagpur	106	103	89	103	90
45.	Maharashtra	Nashik	101	95	85	72	78
46.	Maharashtra	Navi Mumbai	129	120	137	151	125
47.	Maharashtra	Pune	113	92	88	92	99
48.	Maharashtra	Sangli	76	80	76	100	77
49.	Maharashtra	Solapur	78	83	83	76	74
50.	Maharashtra	Ulhasnagar	114	111	75	107	107
51.	Meghalaya	Byrnihat	178	138	122	136	122
52.	Nagaland	Dimapur	88	90	101	129	122
53.	Nagaland	Kohima	77	82	85	91	93
54.	Orissa	Angul	106	106	106	116	102
55.	Orissa	Balasore	76	82	87	87	82
56.	Orissa	Bhubneshwar	121	81	87	90	81
57.	Orissa	Cuttack	70	68	83	92	81
58.	Orissa	Rourkela	104	98	96	83	100
59.	Orissa	Talcher	109	116	110	124	135
60.	Punjab	Dera Bassi	105	129	129	113	96
61.	Punjab	Gobindgarh	166	201	165	135	130
62.	Punjab	Jalandhar	142	136	164	144	151
63.	Punjab	Khanna	237	213	183	160	122
64.	Punjab	Ludhiana	221	228	204	146	139
65.	Punjab	Naya Nangal	76	89	86	85	83
66.	Punjab	Pathankot/Dera Baba	69	68	76	68	77
67.	Punjab	Patiala	97	62	108	104	110
68.	Rajasthan	Alwar	214	151	266	240	180
69.	Rajasthan	Jaipur	147	187	160	150	171
70.	Rajasthan	Jodhpur	168	189	176	190	152
71.	Rajasthan	Kota	139	156	122	127	134
72.	Rajasthan	Udaipur	171	155	141	112	156
73.	Tamilnadu	Tuticorin	130	134	77	83	91
74.	Telangana	Hydrabad	86	79	90	95	93
75.	Telangana	Nalgonda	75	79	76	93	76
76.	Telangana	Patencheru	76	108	91	95	85
77.	Uttar Pradesh	Agra	165	196	184	178	186
78.	Uttar Pradesh	Allahabad	260	317	235	250	250
79.	Uttar Pradesh	Anpara	140	134	133	131	136
80.	Uttar Pradesh	Bareilly	218	231	232	239	240
81.	Uttar Pradesh	Firozabad	271	212	246	146	194
82.	Uttar Pradesh	Gajraula	89	158	137	179	177
83.	Uttar Pradesh	Ghaziabad	231	248	285	242	260
84.	Uttar Pradesh	Jhansi	118	110	200	106	119
85.	Uttar Pradesh	Kanpur	184	215	201	199	201
86.	Uttar Pradesh	Khurja	164	168	162	158	167
87.	Uttar Pradesh	Lucknow	189	211	192	174	169
88.	Uttar Pradesh	Muradabad	145	165	160	201	168

89.	Uttar Pradesh	Noida	138	136	142	135	154
90.	Uttar Pradesh	Raebareli	133	163	177	160	157
91.	Uttar Pradesh	Varanasi	127	138	145	139	145
92.	Uttarakhand	Kashipur	291	180	151	121	107
93.	Uttarakhand	Rishikesh	94	109	113	122	121
94.	West Bengal	Kolkata	115	135	159	122	105

**Annexure-II****Status of Operating Stations under National Air Quality Monitoring Programme  
(status as on February 2018)**

S.no	State/Union Territory	City	Operating Monitoring Station
1	Arunachal Pradesh	Itananagar	1
		Naharlagun	1
2	Andhra Pradesh	Visakhapatnam	8
		Kakinada	1
		Rajamundry	1
		Eluru	1
		Vizianagaram	1
		Srikakulam	1
		Kurnool	1
		Tirupati	1
		Chittoor	2
		Kadapa	1
		Anatapur	1
		Vijayawada	3
		Ongole	1
		Guntur	1
		Nellore	1
3	Assam	Bongaigaon	3
		Gawahati	6
		Tezpur	1
		Sibasagar	2
		Dibrugarh	1
		Golaghat	1
		Silcher	2

		Daranga	1
		Margheita	1
		North Lakhimpur	1
		Nagaon	1
		Tinsukhia	3
		Nalbari	1
<b>4</b>	<b>Bihar</b>	Patna	2
		Barauni	1
		Mujjafarpur	1
		Gaya/Bodhgaya	1
<b>5</b>	<b>Chandigarh (UT)</b>	Chandigarh	5
<b>6</b>	<b>Chattisgarh</b>	Korba	3
		Bhilai	3
		Raipur	3
		Bilaspur	1
<b>7</b>	<b>Delhi (UT)</b>	Delhi	10
<b>8</b>	<b>Dadara &amp; Nagar Haveli (UT)</b>	Silvasa	2
<b>9</b>	<b>Daman Diu (UT)</b>	Daman	2
<b>10</b>	<b>Goa</b>	Panaji	1
		Vasco	1
		Marmagao	1
		Codli tisk	1
		Honda Junction	1
		Bicholim City	1
		Amona	1
		Assanora Junction	1
		Curchorem	1
		Usgao-Pale	1
		Margao Town	1
		Mapusa Town	1

		Sanguem	1
		ponda	1
		Tilamol	1
		Kundaim	1
		Tuem Industrial Estate	1
		Cuncolim	1
<b>11</b>	<b>Gujarat</b>	Ahmedabad	9
		Ankaleshwar	2
		Jamnagar	1
		Rajkot	2
		Surat	3
		Vadodara	5
		Vapi	2
<b>12</b>	<b>Haryana</b>	Faridabad	2
		Hissar	2
		Yamuna Nagar	1
<b>13</b>	<b>Himachal Pradesh</b>	Damtal	2
		Parwanoo	2
		Poanta Sahib	2
		Shimla	2
		Kala Amb	2
		Baddi-Barotiwala	3
		Nalagarh	1
		Una	2
		Sunder Nagar	2
		Dharamshala	2
		Marhi	1
		Gulaba	1
		Vashisht	1
		Manali	2



<b>14</b>	<b>Jammu&amp; Kashmir</b>	Jammu	3
<b>15</b>	<b>Jharkand</b>	Dhanbad	3
		Jharia	1
		Sindri	1
		Jamshedpur	2
		Ranchi	1
		Saraikela-Kharsawan	1
		West Singhbhum	1
<b>16</b>	<b>Karnataka</b>	Bangalore	9
		Dharwar, Hubli	2
		Mangalore	1
		Hassan	1
		Mysore	2
		Gulbarga	1
		Belgaum	1
		Devanagere	3
		Mandya	1
		Raichur	1
		Bijapur	1
		Chitradurga	1
		Shimaga	1
		Karwar	1
		Bagalkote	1
		Kolar	1
		Tumkar	1
Bidar	1		
<b>17</b>	<b>Kerala</b>	Kozhikode	2
		Kottayam	2
		Cochin	7
		Thiruvananthapuram	4

		Palakkad	1
		Alappuzha	2
		Pathanamthitta	1
		Kollam	2
		Sulthan, Bathery, Wayanad	1
		Kakkanchery, Mallappuram	1
		Thrissur	1
<b>18</b>	<b>Lakswadeep</b>	Lakswadeep islands	1
<b>19</b>	<b>Madhya Pradesh</b>	Bhopal	8
		Indore	3
		Jabalpur	2
		Nagda	3
		Gwalior	2
		Sagar	2
		Satna	2
		Singrauli	3
		Ujjain	4
		Prithampur	2
		Chindwara	2
		Amlai	2
		Katni	2
		Dewas	3
<b>20</b>	<b>Maharashtra</b>	Aurangabad	4
		Bhiwandi	3
		Lote	2
		Tarapur	3
		Kolhapur	3
		Mumbai	3
		Ambarnath	2
		Chandrapur	6

		Nagpur	7
		Nasik	4
		Solapur	2
		Pune	3
		Pimpri Chinchiwad	1
		Thane	3
		Navi Mumbai	6
		Mahad	3
		Roha	2
		Sangli	3
		Amravati	3
		Latur	3
		Ulhas Nagar	2
		Badlapur	1
		Nanded	3
		Jalgaon	3
		Jalna	2
		Akola	3
<b>21</b>	<b>Meghalaya</b>	Shillong	4
		Dwaki	1
		Ri-Bhoi, Brynihat	1
		Tura	1
		Nongstoin	1
		Umaim	1
		Khlihriat	1
<b>22</b>	<b>Mizoram</b>	Aizwal	5
		Lunglei	2
		Kolasib	2
		Champhai	2
<b>23</b>	<b>Manipur</b>	Imphal	1

<b>24</b>	<b>Nagaland</b>	Dimapur	2
		Kohima	2
<b>25</b>	<b>Orissa</b>	Rayagada	2
		Rourkela	6
		Talcher	2
		Angul	2
		Bhubaneshwar	6
		Cuttack	3
		Sambalpur	1
		Balasore	3
		Kalinga Nagar	3
		Berhampur	1
		Puri	2
		Konark	1
		Jarsuguda	3
		Paradeep	3
<b>26</b>	<b>Punjab</b>	Gobindgarh	3
		Jalandhar	4
		Ludhiana	4
		Naya Nangal	2
		Khanna	2
		Pathankot(Dera baba)	1
		Amritsar	3
		Derra Bassi	2
		Bhatinda	1
		Batala	1
		Patiala	2
		Sangrur	1
		Faridkot	1
		Hoshiarpur	1

27	Puducherry (UT)	Pondicherry	3
		Karaikal	3
28	Rajasthan	Alwar	3
		Jaipur	6
		Jodhpur	6
		Kota	6
		Udaipur	3
		Bharatpur	3
		Bhiwadi	3
29	Sikkim	Gangtok	2
		Namchi (South Sikkim)	1
		Jorithang / Ravangla (South Sikkim)	1
		Mangan (North Sikkim)	1
		Chungthang (North Sikkim)	1
		Singtam (East Sikkim)	1
		Rangpo (East Sikkim)	1
		Pelling (West Sikkim)	1
30	Tamilnadu	Chennai	11
		Tuticorin	3
		Coimbatore	3
		Madurai	3
		Salem	1
		Trichy	5
		Cuddalore	3
		Mettur	2
31	Tirupura	Agartala	2
32	Telangana	Hyderabad	10
		Ramagundum	1
		Patancheru	1
		Nalgonda	2

		Khammam	2
		Warangal	2
		Karimnagar	1
		Sangareddy	3
		Nizamabad	1
		Kothur	1
		Manchiriala, Adilabad	1
<b>33</b>	<b>Uttar Pradesh</b>	Agra	6
		Allahabad	5
		Anpara	2
		Firozabad	3
		Gajroula	2
		Ghaziabad	2
		Kanpur	9
		Lucknow	8
		Noida	2
		Varanasi	5
		Jhansi	2
		Khurja	2
		Meerut	2
		Bareilly	2
		Moradabad	2
		Mathura	2
		Saharanpur	2
		Unnao	2
		Gorakhpur	3
		Rai Bareli	3
<b>34</b>	<b>Uttaranchal</b>	Dehradun	3
		Haridwar	1
		Rishikesh	1

		Haldwani	1
		Rudrapur	1
		kashipur	1
<b>35</b>	<b>West Bengal</b>	Kolkata	20
		Durgapur	4
		Haldia	5
		Howrah	4
		Asansol	3
		South Suburban	3
		Barrckpore	3
		Sankrail	4
		Raniganj	3
		Uluberia	1
		Barasat	1
		Kalyani	1
		Ranaghat	1
		Krishnanagar	1
		Baharampur	1
		Dankuni	1
		Rishra	1
		Chinsura	1
		Tribeni	1
		Kharagpur	1
		Medinipur Town	1
		Ghatal	1
		Tamluk	1
		Bardhaman	1
		Bankura	1
		Suri	1
		Rampurhat	1

		Bolpur	1
		Purulia	1
		Malda	1
		Siliguri	1
		Jalpaiguri	1
		Darjeeling	1
		Coochbihar	2
		Balurghat	1
		Raigun	1
	<b>Total</b>	303	691



## Annexure III

## CAAQMS Network in India

S. No.	State	City	Status of CAAQMS			
			Installed	Under Installation	In process under with funding from	
					CPCB-CPSU's CSR Fund	MoEF&CC Fund sharing with SPCB/PCC
1	Andhra Pradesh	1.Amaravathi	1			1
		2.Vijaywada	1			
		3.Vishakhapatnam	2		1	
		4.Tirupati	1			
		5.Rajamahendravaram	1			
2	Arunachal Pradesh	1.Itanagar			1	1
3	Assam	1.Guwahati			1	1
4	Bihar	1.Patna	1		2	
		2.Gaya	1			
		3.Muzafarpur	1			
5	Gujarat	1.Ahmedabad	1			
		2.Anklewshwar		1		
		3.Vapi		1		
		4.Vatva		1		
		5.Gandhi Nagar				1**
		6.Rajkot			2	
		7.Vadodara			2	
		8.Surat			2	
6	Haryana	1.Faridabad	1		1*	
		2.Panchkula	1			
		3.Rohtak	1			
		4.Gurugram	1			
7	Himachal Pradesh	1.Shimla				1
8	Jammu & Kashmir	1.Srinagar		1		
9	Jharkhand	1.Ranchi			2	
		2.Dhanbad				1
		3.Jorapokhar	1			
10	Karnataka	1.Bengaluru	5			
11	Kerala	1.Tiruvanthapuram	1			1
12	Madhya Pradesh	1.Bhopal			2	
		2.Gwalior			2	

		<b>3.Indore</b>			<b>2</b>	
		<b>4.Jabalpur</b>			<b>1</b>	
		5.Ujjain	<b>1</b>			
		6.Pithampur	<b>1</b>			
		7.Mandideep Raisen	<b>1</b>			
		8.Vindhyanchal Singrauli	<b>1</b>			
		9.Dewas	<b>1</b>			
		10.Satna	<b>1</b>			
13	Maharashtra	<b>1.Mumbai</b>	<b>1</b>			
		<b>2.Pune</b>	<b>1</b>			
		3.Solapur	<b>1</b>			
		<b>4.Nagpur</b>	<b>1</b>		<b>1</b>	
		<b>5.Nashik</b>	<b>1</b>			
		<b>6.Dombivali</b>				
		7.Chandrapur	<b>2</b>			
		<b>8.Aurangabad</b>	<b>1</b>			
		<b>9.Pimpri-Chinchwad</b>			<b>2</b>	
		<b>10.Navi Mumbai</b>	<b>1</b>			<b>1</b>
		<b>11.Vasai Virar</b>				<b>1</b>
		<b>12.Kalyan Dombivali</b>				<b>1</b>
		<b>13.Thane</b>	<b>1</b>		<b>2</b>	
14	Manipur	<i>1.Imphal</i>			<b>1</b>	<b>1</b>
15	Meghalaya	<i>1.Shillong</i>			<b>1</b>	<b>1</b>
16	Mizoram	<i>1.Aizawl</i>			<b>1</b>	<b>1</b>
17	Nagaland	<i>1.Kohima</i>			<b>1</b>	<b>1</b>
18	Odisha	<i>1.Bhubneshwar</i>			<b>2</b>	
		2.Angul-Talcher	<b>1</b>			
		3.Jharsugda	<b>1</b>			
		4.Brajrajnagar	<b>1</b>			
19	Punjab	<b>1.Amritsar</b>	<b>1</b>			
		<b>2.Ludhiana</b>	<b>1</b>			
		3.Mandi Gobind Garh	<b>1</b>			
		4.Khanna				<b>1*</b>
		5.Jalandhar	<b>1</b>			
		6.Patiala	<b>1</b>			
20	Rajasthan	<b>1.Jaipur</b>	<b>3</b>			
		<b>2.Jodhpur</b>	<b>1</b>			
		3.Bhiwadi	<b>1</b>			
		4.Alwar	<b>1</b>			
		5.Ajmer	<b>1</b>			
		<b>6.Kota</b>	<b>1</b>		<b>2</b>	
		7.Pali	<b>1</b>			
		8.Udaipur	<b>1</b>			
21	Sikkim	<i>1.Gangtok</i>			<b>1</b>	<b>1</b>
22	Tamil Nadu	<b>1.Chennai</b>	<b>3</b>			

		<b>2.Coimbatore</b>		<b>1</b>		
		3.Manali		<b>1</b>		
		<b>4.Madurai</b>			<b>2</b>	
23	Telangana	<b>1.Hyderabad</b>	<b>6</b>			
24	Tripura	<b>1.Agartala</b>			<b>1</b>	<b>1</b>
25	Uttar Pradesh	<b>1.Varanasi</b>	<b>1</b>		<b>2</b>	
		<b>2.Kanpur</b>	<b>1</b>			
		<b>3.Agra</b>	<b>1</b>			
		<b>4.Lucknow</b>	<b>4</b>		<b>2</b>	
		<b>5.Ghaziabad</b>	<b>1</b>			
		6.Noida	<b>2</b>			
		7.Muradabad	<b>1</b>			
		<b>8.Meerut</b>			<b>3*</b>	
		<b>9.Allahabad</b>			<b>3</b>	
		10.Firozabad				<b>1</b>
26	Uttarakhand	<b>1.Dehradun</b>			<b>2</b>	
27	West Bengal	<b>1.Kolkata</b>	<b>2</b>		<b>2</b>	
		<b>2.Howrah</b>	<b>2</b>	<b>1</b>	<b>1</b>	
		3.Haldia	<b>1</b>			
		4.Durgapur	<b>1</b>			
		5. Asansol	<b>1</b>	<b>1</b>		
		6.Darjeeling				
		<b>7.Siliguri</b>	<b>1</b>			
28	Chhattisgarh	<b>1.Raipur</b>			<b>2</b>	
29	Andaman & Nicobar Island	<b>1.Portblair</b>			<b>1</b>	<b>1</b>
30	Chandigarh	<b>1.Chandigarh</b>			<b>1</b>	<b>1</b>
31	Dadar Nagar & Haveli	<b>1.Silvassa</b>			<b>1</b>	
32	Daman & Diu	<b>1.Daman</b>			<b>1</b>	
33	Delhi	<b>1.Delhi</b>	<b>38</b>			
34	Puducherry	<b>1.Puducherry</b>			<b>1</b>	<b>1</b>
<b>Total</b>		<b>106</b>	<b>121</b>	<b>8</b>	<b>60</b>	<b>21</b>