GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

LOK SABHA
UNSTARRED QUESTION N0. 196
TO BE ANSWERED ON 02.02.2018

Air Pollution

196. SANJAY DHOTRE:
BHARTRUHARI MAHTAB:
RAHUL SHEWALE:

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

(a) whether the annual average parameters of air pollution in urban and industrial areas have reached/crossed the alarming level in major cities of the country including Delhi;
(b) if so, the details thereof, city-wise;
(c) the measures taken/being taken by the Government to curb air pollution in the said cities along with the funds provided for the purpose during each of the last three years and the current year, State/UT-wise;
(d) whether the Government has launched/proposed to launch any new scheme or employed modern techniques to make the country pollution free, if so, the details and achievements thereof; and
(e) the other steps taken by the Government to bring the air pollution under the permissible limits across the country along with achievements thereof?

ANSWER

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

(a) & (b) Central Pollution Control Board (CPCB) is monitoring ambient air quality in 691 locations covering 303 cities/towns in 29 States and 6 Union Territories across the country under National Air Quality Monitoring Programme (NAMP). As per the data, the number of cities in the residential/industrial/rural area where monitored values are exceeding National Ambient Air Quality Standards (NAAQS) during 2016 is 21 for NO_2, 195 for PM_{10} and 31 for $PM_{2.5}$. The ambient air quality data for 2016 is given in **Annexure – I.**

(c) , (d) & (e)The Government has taken several steps to address air pollution which *inter alia,* include notification of National Ambient Air Quality Standards; setting up of monitoring network for assessment of ambient air quality; introduction of cleaner / alternate fuels like gaseous fuel (CNG, LPG etc.), ethanol blending, launching of National Air Quality index; universalization of BS-IV by 2017; leapfrogging from BS-IV to BS-VI fuel standards by 1st April, 2020; notification of Construction and Demolition Waste Management Rules; banning of burning of biomass; promotion of public transport network; streamlining the issuance of Pollution Under Control

Certificate; issuance of directions under Section 18(1)(b) of Air (Prevention and Control of Pollution) Act, 1981 and under Section 5 of Environment (Protection) Act, 1986; installation of on-line continuous (24x7) monitoring devices by major industries; collection of Environmental Protection Charge on more than 2000 CC diesel vehicles; etc. State-wise details of funds released to various Monitoring Agencies during last three years and current year for ambient air quality monitoring as operational and maintenance cost under National Air Quality Monitoring Programme (NAMP) is given at **Annexure-II.**

In addition, the government has formulated National Clean Air Programme (NCAP) as a long term time bound national level strategy to tackle the increasing air pollution problem across the country in comprehensive manner. The overall objective is to augment and evolve effective ambient air quality monitoring network across the country besides ensuring comprehensive management plan for prevention, control and abatement of air pollution. The NCAP focuses on collaborative and participatory approach comprising all sources of pollution and coordination between relevant Central Ministries, State Governments, local bodies and other stakeholders.

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ANNEXURE REFERRED IN REPLY TO THE LOK SABHA UNSTARRED QUESTION NO. 196 DUE FOR ANSWER ON 02.02.2018 REGARDING "AIR POLLUTION" RAISED BY SHRI SANJAY DHOTRE, BHARTRUHARI MAHTAB AND RAHUL SHEWALE, HON'BLE MEMBERS OF PARLIAMENT

Annexure –I

Ambient air quality in cities of the country during 2016

State	City	Annual average concentration in µg/m3			
		SO2	NO2	PM10	PM2.5
Andhra Pradesh	Anantapur	5	13	85	-
	Chitoor	6	27	62	-
	Eluru	5	30	70	-
	Guntur	5	29	88	-
	Kadapa	7	15	68	-
	Kakinada	8	18	64	-
	Kurnool	5	11	69	-
	Nellore	5	28	66	-
	Prakasam	5	29	65	-
	Rajahmundry	8	18	64	-
	Srikakulam	9	20	71	-
	Tirupati	6	12	59	-
	Vijaywada	6	44	102	-
	Vishakhapatnam	8	18	77	-
	Vizianagaram	9	21	85	-
Assam	Bongaigaon	6	13	55	-
	Daranga	7	14	71	-
	Dibrugarh	8	17	81	-
	Golaghat	7	14	83	-
	Guwahati	8	17	105	-
	Lakhimpur	8	16	84	-
	Margherita	8	17	76	-
	Nagaon	7	15	111	-

State	City	Annual average concentration in µg/m3			
		SO2	NO2	PM10	PM2.5
	Nalbari	7	17	108	-
	Sibsagar	8	13	75	-
	Silchar	6	13	58	-
	Tezpur	8	17	68	-
	Tinsukia	8	16	80	-
Bihar	Patna	4	32	212	-
Chandigarh	Chandigarh	2	21	105	123
Chattisgarh	Bhillai	9	23	108	-
	Bilaspur	5	21	97	-
	Korba	12	19	58	-
	Raipur	12	31	148	-
Dadra & Nagar Haveli	Silvassa	21	32	37	73
Daman & Diu	Daman	19	29	34	68
Delhi	Delhi	7	66	278	118
Goa	Amona (Bicholim)	5	11	72	25
	Assanora (Bardez)	5	11	62	21
	Bicholim (Bicholim)	5	12	70	25
	Codli (Sanguem)	5	11	64	24
	Cuncolim (Salcete)	10	15	67	35
	Curchorem (Quepem)	6	11	49	21
	Honda (Satari)	5	10	65	22
	Kundaim (Ponda)	5	10	62	21
	Mapusa (Bardez)	3	11	117	33
	Margao (Salcete)	5	11	69	24
	Mormugao (Mormugao)	5	8	115	44
	Panaji (Tiswadi)	4	11	68	70
	Ponda (Ponda)	5	11	68	22
	Sanguem (Sanguem)	6	11	44	20
	Tilamol (Quepem)	6	11	46	21
	Tuem (Pernem)	4	9	61	19
	Usgao (Ponda)	5	11	64	21
	Vasco (Mormugao)	5	11	90	67
Gujarat	Ahmedabad	14	28	108	34
	Anklesvar	12	21	104	32
	Jamnagar	13	24	92	29
	Rajkot	13	21	92	32
	Surat	13	22	92	31
	Vadodara	14	24	93	30
	Vapi	13	24	104	33
Himachal Pradesh	Baddi	2	21	90	-
	Damtal	2	11	84	-

State	City	Annual average concentration in µg/m3			
		SO2	NO2	PM10	PM2.5
	Dharamshala	2	8	41	-
	Kala Amb	3	14	128	-
	Manali	2	8	52	-
	Nalagarh	2	22	108	-
	Paonta Sahib	2	12	101	-
	Parwanoo	2	10	69	-
	Shimla	4	17	54	-
	Sunder Nagar	2	11	92	-
	Una	2	5	69	-
Jammu & Kashmir	Jammu	4	17	131	-
Jharkhand	Dhanbad	15	37	226	-
	Jamshedpur	36	45	136	-
	Jharia	16	38	280	-
	Ranchi	20	37	196	-
	SaraikelaKharsawan	37	47	143	-
	Sindri	13	34	143	-
	West Singhbhum	16	22	93	-
Karnataka	Bagalkote	2	11	59	24
	Bangalore	3	31	103	51
	Belgaum	2	16	112	38
	Bijapur	2	12	93	40
	Chitradurga	3	20	41	-
	Devanagere	4	8	94	-
	Gulburga	-	-	-	59
	Hassan	6	19	26	
	Hubli-Dharwad	5	20	84	35
	Karwar	-	-	-	-
	Kolar	2	26	62	33
	Mandya	3	20	20	-
	Mangalore	7	9	40	-
	Mysore	3	20	47	-
	Raichur	5	14	83	-
	Shimaga	3	6	42	-
	Timukuru	2	35	136	-
Kerala	Alappuzha	2	5	42	-
	Kochi	2	20	48	-
	Kollam	4	8	46	-
	Kottayam	4	17	54	-
	Kozhikode	2	18	51	-
	Malapuram	2	17	37	-
	Palakkad	2	9	41	-
	Pathanamthitta	2	15	26	-
	Thiruvananthapuram	10	25	53	-
	Thissur	2	5	54	-
	Wayanad	2	5	39	-
Lakshwadeep	Kavaratti	-	-	30	-
Madhya Pradesh	Amlai	17	22	73	27
	Bhopal	3	15	89	27
	Chhindwara	9	31	80	52
	Dewas	16	22	89	
	Gwalior	10	14	96	52

State	City	Annual average concentration in µg/m3			
		SO2	NO2	PM10	PM2.5
	Indore	11	20	95	53
	Jabalpur	10	23	71	32
	Katni	-	-	68	44
	Nagda	19	22	64	32
	Prithampur	9	19	93	42
	Sagar	2	12	79	30
	Satna	3	6	71	31
	Singrauli	18	24	82	42
	Ujjain	13	16	90	43
Maharashtra	Akola	8	9	126	-
	Amravati	12	13	100	-
	Aurangabad	14	39	92	-
	Badlapur	25	72	125	-
	Bhiwandi	33	45	67	-
	Chandrapur	5	26	111	-
	Dombivali/Amber nath	26	76	128	-
	Jalgaon	13	35	103	-
	Jalna	12	31	109	-
	Kolhapur	21	39	96	-
	Latur	5	18	81	-
	Mumbai	6	30	119	-
	Nagpur	16	26	118	-
	Nanded	49	48	161	-
	Nashik	13	27	85	-
	Navi Mumbai	19	46	118	-
	Pimpri-Chinchwad	32	71	105	-
	Pune	28	78	107	-
	Roha	-	-	-	-
	Sangli	10	39	83	-
	Solapur	13	35	74	-
	Tarapur	-	-	-	-
	Thane	18	60	122	-
	Ulhasnagar	26	71	118	-
Manipur	Imphal	-	-	29	-
Meghalaya	Byrnihat	42	17	175	-
	Dawki	2	11	35	-
	Khliehriat	2	10	47	-
	Nongstoin	2	11	33	-
	Shillong	2	14	55	-
	Tura	2	9	31	-
	Umiam	2	14	108	-
Mizoram	Aizawl	2	7	60	-
	Champhai	2	4	29	-
	Kolasib	2	5	30	-
	Lunglei	2	4	33	-
Nagaland	Dimapur	2	11	121	-
	Kohima	2	5	90	-
Odisha	Angul	8	23	97	-
	Balasore	4	12	85	47
	Berhampur	2	19	58	36
	Bhubneshwar	2	20	105	36
	Cuttack	3	30	81	42

State	City	Annual average concentration in µg/m3			
		SO2	NO2	PM10	PM2.5
	Jharsuguda	13	20	87	48
	Kalinga Nagar	2	9	113	46
	Konark	2	13	95	41
	Paradeep	22	13	111	41
	Puri	2	14	94	30
	Rayagada	4	21	59	33
	Rourkela	-	-	-	-
	Sambalpur	4	17	79	51
	Talcher	10	24	105	51
Puducherry	Karaikal	12	10	38	-
	Puducherry	6	14	40	-
Punjab	Amritsar	12	29	194	-
	Batala	-	-	-	-
	Bhatinda	5	14	121	-
	DeraBassi	5	12	98	-
	Faridkot	5	12	104	-
	Gobindgarh	7	34	124	-
	Hoshiarpur	-	-	-	-
	Jalandhar	13	23	186	-
	Khanna	9	19	114	-
	Ludhiana	11	25	139	-
	NayaNangal	5	12	91	-
	Pathankot/Dera Baba	8	14	89	-
	Patiala	5	13	106	-
	Sangrur	5	13	90	-
Rajasthan	Alwar	8	32	144	-
	Bharatpur	9	30	159	-
	Bhiwadi	8	28	264	-
	Jaipur	8	33	199	-
	Jodhpur	6	23	168	-
	Kota	7	30	109	-
	Udaipur	6	32	138	-
Sikkim	Chungthang	9	8	26	-
	Gangtok	12	28	28	-
	Mangan	8	6	20	-
	Namchi	12	5	23	-
	Pelling	13	9	20	-
	Rangpo	17	9	54	-
	Ravangla	10	8	22	-
	Singtam	14	9	44	-
Tamilnadu	Chennai	10	18	65	25
	Coimbatore	6	24	59	35
	Cuddalore	12	17	48	35
	Madurai	15	24	76	38
	Mettur	7	21	53	33
	Salem	7	25	51	20
	Trichy	12	20	95	27
	Tuticorin	14	22	175	-
Telangana	Adilabad	5	19	63	32
	Hydrabad	5	27	101	58
	Karimnagar	7	24	60	-
	Khammam	7	21	55	-
	Kothur	9	32	78	-

State	City	Annual average concentration in µg/m3			
		SO2	NO2	PM10	PM2.5
	Nalgonda	6	26	61	35
	Nizamabad	5	19	63	31
	Patencheru	6	25	78	38
	Ramagundam	8	8	69	-
	Sangareddy	5	24	70	31
	Warangal	7	23	70	
Uttar Pradesh	Agra	5	22	198	-
	Allahabad	4	37	196	-
	Anpara	19	29	132	-
	Bareily	12	22	253	-
	Firozabad	9	33	223	-
	Gajraula	20	33	193	-
	Ghaziabad	15	28	235	-
	Gorakpur	18	35	154	-
	Jhansi	7	21	116	-
	Kanpur	7	39	217	-
	Khurja	22	21	216	-
	Lucknow	8	27	214	-
	Mathura	11	29	171	-
	Meerut	7	55	157	-
	Moradabad	18	31	196	-
	Noida	8	33	176	-
	Raebareli	11	17	141	-
	Saharanpur	15	25	218	-
	Unnao	10	28	119	-
	Varanasi	11	32	256	-
Uttarakhand	Dehradun	26	29	241	-
	Haldwani	-	-	128	-
	Haridwar	25	28	129	-
	Kashipur	-	-	126	-
	Rishikesh	23	27	119	-
	Rudrapur	-	-	142	-
West Bengal	Asansol	13	42	211	88
	Barrackpore	8	55	106	59
	Durgapur	13	41	196	74
	Haldia	18	42	103	42
	Howrah	10	59	119	67
	Kolkata	4	49	113	70
	Raniganj	13	42	217	-
	Sankrail	7	40	88	-
	South Suburban	4	38	113	-
29 states 7UTs	**273 cities**				

NB. Alwar in Rajasthan (Aravali Hills), Agra, Firozabad, Mathura in Uttar Pradesh (Taj-Trapezium), Dehradun in Uttarakhand (Doon valley) are cities in Ecologically sensitive area. The rest fall under residential / industrial / rural / other areas

NAAQS (annual): SO2=50 µg/m3, NO2=40 µg/m3r, PM10=60 µg/m3, PM2.5=40 µg/m3 (residential / industrial / rural / other areas) and SO2=20 µg/m3, NO2=30 µg/m3, PM10=60 µg/m3, PM2.5=40 µg/m3 (Ecologically sensitive area)

NAAQS (24-hourly): SO2=80 µg/m3, NO2=80 µg/m3r, PM10=60 µg/m3, PM2.5=60 µg/m3 (residential / industrial / rural / other areas and Ecologically sensitive area)

Annexure-II

Details of Payment Released to Various Monitoring Agencies under National Air Quality Monitoring Programme (NAMP)

S.No.	Name of Monitoring Agency	2014-15 (Amount in Rs.)	2015-16 (Amount in Rs.)	2016-17 (Amount in Rs.)	2017-18 (Amount in Rs.) till Jan 2018
1.	Andhra Pradesh SPCB	7666250	-	-	-
2.	Arunachal Pradesh SPCB	-	-	-	3005334
3.	Assam SPCB	7842500	-	-	11208000
4.	**Chandigarh PCC**	-	-	4113833	-
5.	Chattisgarh ECB	-	1526250	-	-
6.	Gujarat SPCB	-	-	-	-
7.	**Goa SPCB**	7125000	7789333	-	-
8.	Himachal Pradesh SEP & PCB	-	10128333	-	-
9.	Karnataka SPCB	354167	6749583	-	-
10.	Kerala SPCB	6474167	-	-	-
11.	Maharashtra SPCB	-	-	16316919	-
12.	Meghalaya SPCB	-	7845833	-	9173333
13.	Madhya Pradesh SPCB	-	-	7984417	-
14.	Mizoram SPCB	1765000	5413333	4253333	2706667
15.	Nagaland SPCB	906667	-	3658667	1717333
16.	Orissa SPCB	5734583	-	5872500	6486667
17.	Punjab SPCB	7795417	-	-	12306416
18.	Puducherry	-	-	5110333	-
19.	Rajasthan SPCB	-	4218750	-	-
20.	Tamil Nadu SPCB	2358333	-	-	9240000
21.	Telangana SPCB				9951667
22.	Uttar Pradesh SPCB	-	7263333	-	15134667
23.	Uttarakhand EP&PCB	-	4085833	-	-
24.	NEERI	7047000	13612000	22288000	21600000
25.	IIT Kanpur	3709378	-	-	5495802
	Total =	**58778462**	**68632581**	**69598002**	**108025886**

Note:- SPCB – State Pollution Control Board, SEP&PCB – State Environment Protection & Pollution Control Board, EP& PCB – Environment Protection & Pollution Control Board, PCC – Pollution Control Committee. NEERI is at present monitoring in 6 cities in 5 different states/Union territories namely Delhi, Maharashtra, West Bengal, Tamil Nadu and Andhra Pradesh