

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

RAJYA SABHA
UNSTARRED QUESTION No. 1009
TO BE ANSWERED ON 15.12.2022

Monitoring of air pollution

1009. SHRI VIKRAMJIT SINGH SAHNEY:

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

- (a) the details of current state of monitoring of air pollution in the country along with the number of functional Air Quality Monitoring stations, State-wise and district-wise for Delhi, Punjab, Haryana and Uttar Pradesh;
- (b) the details of fund allotment and fund released for these monitoring stations;
- (c) the details of staff requirement and staff posted in these monitoring stations; and
- (d) the details of the proposed new Air quality Monitoring stations in the country with financial outlay, State-wise, including Punjab?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(SHRI ASHWINI KUMAR CHOUBEY)

(a), (b) & (c)

Ambient air quality monitoring network of the country presently consists of 1296 stations (Manual and real time Continuous Ambient Air Quality Monitoring (CAAQM) Stations), covering 473 cities in 28 States and 7 Union Territories (UT). The State-wise details of functional Air Quality Monitoring stations in the country is given as **Annexure – I** and district-wise stations of Delhi, Punjab, Haryana and Uttar Pradesh is given at **Annexure - II**.

Under 'Control of Pollution Scheme', Rs. 64.25 Cr. was allotted for National Ambient Air Quality Monitoring Programme (NAMP) and utilised Rs. 58.17 Cr. for Operation & Maintenance cost of NAMP stations, augmentation of PM_{2.5} in existing NAMP stations, and establishment of new manual monitoring stations. Rs. 3.85 Cr. was allotted for O&M cost of CAAQM stations for the 14 Stations operated by CPCB. The State-wise details of fund released by CPCB for operation and maintenance of ambient air quality monitoring stations in the financial year 2021-22 are given as **Annexure – III**. The requirement of manpower and staff posting is the responsibility of concerned State and UT governments. However, as per CPCB's guidelines, 1 Scientific Assistant and 3 Field Assistants are required for 1, 2 and 3 stations per city.

(d)

The expansion is being done in a phased manner. Funds released for augmentation of PM_{2.5} in 192 locations covering 68 cities and for strengthening of 282 manual stations in 154 cities are Rs. 766.5 Lakhs and Rs. 2096 Lakhs respectively in 2021-22. The details of these new Air quality Monitoring stations in the country with financial outlay, State-wise, including Punjab is given as **Annexure-IV**.

Annexure – I

**Ambient air quality monitoring stations (manual & real-time stations): state-wise
(As on 01.12.2022)**

Sl. No.	State / Union Territory	Real-time under CAAQMS		Manual under National Ambient Monitoring Programme (NAMP)	
		No of cities	No. of stations	No of cities	No. of stations
1.	Andaman & Nicobar (UT)			2	3
2.	Andhra Pradesh	7	8	15	72
3.	Arunachal Pradesh	1	1	2	2
4.	Assam	3	5	13	31
5.	Bihar	25	35	7	8
6.	Chandigarh (UT)	1	3	1	5
7.	Chattisgarh	4	10	5	17
8.	Dadara& Nagar Haveli and Daman & Diu (UT)			4	6
9.	Delhi (UT)	1	40	1	10
10.	Goa			18	18
11.	Gujarat	6	17	7	24
12.	Haryana	24	30	3	5
13.	Himachal Pradesh	1	1	14	25
14.	Jammu & Kashmir (UT)	1	1	18	31
15.	Jharkhand	1	1	7	10
16.	Karnataka	24	34	18	30
17.	Kerala	8	9	12	29
18.	Lakshadweep (UT)			1	1
19.	Madhya Pradesh	15	19	15	42
20.	Maharashtra	11	41	27	80
21.	Manipur	1	2	1	1
22.	Meghalaya	1	2	7	11
23.	Mizoram	1	1	8	19
24.	Nagaland	1	1	2	10
25.	Odisha	10	10	16	38
26.	Pondicherry (UT)	1	1	2	6
27.	Punjab	8	8	38	52
28.	Rajasthan	8	10	8	39
29.	Sikkim	1	1	8	9
30.	Tamilnadu	13	22	16	55
31.	Telangana	3	14	11	25
32.	Tripura	1	2	1	2
33.	Uttar Pradesh	20	57	27	84
34.	Uttarakhand	1	1	6	12
35.	West Bengal	6	14	44	83
	28 states & 7 UTs = 35	209	401	385	895

Annexure – II

Ambient air quality monitoring stations in cities & districts of Delhi, Haryana, Punjab & Uttar Pradesh

State / Union Territory	City / town / village	District	Operating stations	
			Real-time	Manual
Haryana	Ambala	Ambala	1	
Haryana	Bahadurgarh	Jhajjar	1	
Haryana	Ballabgarh	Faridabad	1	
Haryana	Bhiwani	Bhiwani	1	
Haryana	CharkhiDadri	CharkhiDadri	1	
Haryana	Dharuhera	Rewari	1	
Haryana	Faridabad	Faridabad	4	2
Haryana	Fatehabad	Fatehabad	1	
Haryana	Gurgaon	Gurgaon	4	
Haryana	Hissar	Hisar	1	2
Haryana	Jind	Jind	1	
Haryana	Kaithal	Kaithal	1	
Haryana	Karnal	Karnal	1	
Haryana	Kurukshetra	Kurukshetra	1	
Haryana	Mandikhera	Nuh / Mewat	1	
Haryana	Manesar	Gurgaon	1	
Haryana	Narnaul	Mahendragarh	1	
Haryana	Palwal	Palwal	1	
Haryana	Panchukula Urban Estate	Panchkula	1	
Haryana	Panipat	Panipat	1	
Haryana	Rohtak	Rohtak	1	
Haryana	Sirsa	Sirsa	1	
Haryana	Sonepat	Sonipat	1	
Haryana	Yamuna Nagar	Yamuna Nagar	1	1
Total of Haryana			30	5
Punjab	Aligarh (Jagraon)	Ludhiana		1
Punjab	Amritsar	Amritsar	1	2
Punjab	AspalKhurd (Tapa)	Barnala		1
Punjab	Bara Pind (Goraya)	Jalandhar		1
Punjab	Batala	Gurdaspur		1
Punjab	Bhatinda	Bathinda	1	1
Punjab	Binjon (Garshankar)	Hoshiarpur		1
Punjab	Bishanpura (Payal)	Ludhiana		1
Punjab	Changal(Sangrur)	Sangrur		1
Punjab	Chowkimann (Jagraon)	Ludhiana		1
Punjab	Dera Baba Nanak	Pathankot		1
Punjab	DeraBassi	Ajitgarh/SahibzadaAjit Singh Nagar		2
Punjab	Fatehpur (Samana)	Patiala		1

State / Union Territory	City / town / village	District	Operating stations	
			Real- time	Manual
Punjab	GobindgarhMandiGobindgarh	Fatehgarh Sahib	1	3
Punjab	Guru Ki Dhab (Kotkapura)	Faridkot		1
Punjab	Gurdaspur	Gurdaspur		1
Punjab	JaitoSarja (Batala)	Gurdaspur		1
Punjab	Jalandhar	Jalandhar	1	4
Punjab	Khanna	Ludhiana	1	2
Punjab	Kharaori (Sirhind)	Fatehgarh Sahib		1
Punjab	Kotladoo (Ajnala)	Amritsar		1
Punjab	LakhokeBehram (Ferozpur)	Ferozpur		1
Punjab	Ludhiana	Ludhiana	1	4
Punjab	Mrar Kalan (Muktsar)	Muktsar		1
Punjab	Mukandpur (Nawashahar)	Nawashahar / ShahidBhagat Singh Nagar		1
Punjab	Mureedke (Batala)	Gurdaspur		1
Punjab	Naudhrani (Malerkotla)	Sangrur		1
Punjab	NayaNangal	Ropar/Rupnagar		2
Punjab	Patiala	Patiala	1	3
Punjab	Pathankot	Pathankot		1
Punjab	Peer Mohammad (Jalalabad)	Fazilka		1
Punjab	Poohli (Bhatinda)	Bathinda		1
Punjab	QilaBharian (Sangrur)	Sangrur		1
Punjab	Rakhra (Patiala)	Patiala		1
Punjab	Rohila (Samrala)	Ludhiana		1
Punjab	Rupnagar	Rupnagar / Ropar	1	
Punjab	Subanpur (Dhilwan)	Jalandhar		1
Punjab	Srihind	Fatehgarh Sahib		1
Punjab	Tirathpur (Amritsar I)	Amritsar		1
Total Punjab			8	52
Uttar Pradesh	Agra	Agra	6	6
Uttar Pradesh	Aligarh	Aligarh		2
Uttar Pradesh	Allahabad	Allahabad	3	5
Uttar Pradesh	Anpara	Sonbhadra		2
Uttar Pradesh	Ayodhya	Ayodhya / Faizabad		2
Uttar Pradesh	Bagpat	Baghpat	2	2
Uttar Pradesh	Bareily	Bareilly	2	2
Uttar	Bulandshahr	Bulandshahr	1	

State / Union Territory	City / town / village	District	Operating stations	
			Real-time	Manual
Pradesh				
Uttar Pradesh	Firozabad	Firozabad	2	3
Uttar Pradesh	Gajroula	Amroha		2
Uttar Pradesh	Ghaziabad	Ghaziabad	4	4
Uttar Pradesh	Gorakhpur	Gorakhpur	1	3
Uttar Pradesh	Greater Noida	Gautam Buddha Nagar	2	2
Uttar Pradesh	Hapur	Hapur	1	2
Uttar Pradesh	Hatras	Hathras		2
Uttar Pradesh	Jhansi	Jhansi	1	2
Uttar Pradesh	Kanpur	Kanpur Nagar	4	9
Uttar Pradesh	Khurja	Bulandshahr	1	2
Uttar Pradesh	Lucknow	Lucknow	7	8
Uttar Pradesh	Mathura	Mathura		2
Uttar Pradesh	Meerut	Meerut	3	2
Uttar Pradesh	Moradabad	Moradabad	7	2
Uttar Pradesh	Muzaffarnagar	Muzaffarnagar	1	2
Uttar Pradesh	Noida	Gautam Buddha Nagar	4	4
Uttar Pradesh	Raibareli	Raebareli		3
Uttar Pradesh	Saharanpur	Saharanpur		2
Uttar Pradesh	Unnao	Unnao		2
Uttar Pradesh	Varanasi	Varanasi	4	5
Uttar Pradesh	Vrindavan	Mathura	1	
Total Uttar Pradesh			57	84
Delhi	Delhi	Central Delhi	3	2

State / Union Territory	City / town / village	District	Operating stations	
			Real-time	Manual
Delhi	Delhi	East Delhi	3	1
Delhi	Delhi	New Delhi	6	
Delhi	Delhi	North Delhi	4	
Delhi	Delhi	North East Delhi	1	2
Delhi	Delhi	North West Delhi	6	1
Delhi	Delhi	Shahdara	2	
Delhi	Delhi	South Delhi	4	1
Delhi	Delhi	South East Delhi	1	
Delhi	Delhi	South West Delhi	6	3
Delhi	Delhi	West Delhi	4	
			40	10

Annexure – III

**Status of Fund Released under NAMP for F.Y. 2021-22 for O&M of operating stations
under NAMP**

S. No.	Name of the State / UT	Fund released for O&M (Rupees in Lakhs)
1.	IIT Kanpur	35.93
2.	Andaman and Nicobar	27.60
3.	Andhra Pradesh	328.20
4.	Arunachal Pradesh	20.32
5.	Assam	164.96
6.	Chandigarh	26.02
7.	Chhattisgarh	37.42
8.	Goa	149.65
9.	Gujarat	72.00
10.	Himachal Pradesh	96.66
11.	Karnataka	130.38
12.	Kerala	67.01
13.	Kerala	59.13
14.	Madhya Pradesh	121.46
15.	Maharashtra	168.03
16.	Manipur	19.77
17.	Meghalaya	87.94
18.	Mizoram	105.06
19.	Nagaland	56.16
20.	Odisha	62.48
21.	Puducherry	28.16
22.	Punjab	70.25
23.	Rajasthan	59.10
24.	Sikkim	79.33
25.	Tamilnadu	63.09
26.	Telanagana	96.02
27.	Tripura	13.44
28.	Uttar Pradesh	311.21
29.	Uttrakhand	74.18
30.	West Bengal	348.48
Total		2954.71

Annexure – IV

Fund released for strengthening of monitoring network (F.Y. 2021-22)

A.STATUS FOR AUGMENTATION OF PM_{2.5} MONITORING STATIONS

S. No.	State	No. of Cities	No. of Locations	Amount released (rupees in Lakhs)
1.	Andaman and Nicobar Pollution Control Committee	2	2	14.00
2.	Arunachal Pradesh	2	2	14.00
3.	Assam	2	2	14.00
4.	Himachal Pradesh	3	3	21.00
5.	Maharashtra	22	68	238.00
6.	Mizoram	4	8	56.00
7.	Nagaland	2	9	63.00
8.	Rajasthan	8	39	136.50
9.	Telangana	3	3	10.50
10.	Uttar Pradesh	19	55	192.50
11.	Uttarakhand	1	1	7.00
Total	11	68	192	766.5

**B.STATUS FOR STRENGTHENING OF MANUALAIR QUALITY
MONITORINGSTATIONS AND FUNDS RELEASED**

S. No.	States & UTs	City/Town	No. of Stations	Amount released (rupees in Lakhs)
1	Andaman & Nicobar Islands (UT)	1	2	17
2	Arunachal Pradesh	1	2	17
3	Andhra Pradesh	1	3	16.65
4	Assam	4	10	108.4
5	Bihar	6	13	63.05
6	Chhatisgarh	3	9	49.95
7	Dadra & Nagar Haveli and Daman & Diu (UT)	2	2	17
8	Goa	1	2	17
9	Gujarat	7	13	66.95
10	Himachal Pradesh	18	26	299
11	Jammu & Kashmir (UT)	2	4	34
12	Jharkhand	6	15	158.7
13	Karnataka	3	5	25.15
14	Kerala	8	11	50.65
15	Ladakh (UT)	1	2	17
16	Lakshadweep (UT)	1	2	17
17	Madhya Pradesh	2	2	8.5
18	Maharashtra	8	17	88.6
19	Manipur	7	14	88.8
20	Meghalaya	2	5	50.3
21	Mizoram	12	15	174.3
22	Nagaland	8	22	249.4
23	Odisha	8	16	83.6
24	Punjab	6	9	42.15
25	Rajasthan	5	15	83.25
26	Sikkim	1	1	8.5
27	Tamil Nadu	2	4	20.9
28	Telangana	3	4	17
29	Tripura	3	5	51.1
30	Uttar Pradesh	21	29	138.85
31	Uttarakhand	1	3	16.65
Total	31	154	282	2096.4