

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

RAJYA SABHA
UNSTARRED QUESTION No. 3888
TO BE ANSWERED ON 06.04.2023

Monitoring of air quality

3888. SHRI MUKUL BALKRISHNAWASNIK:

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

- (a) whether Government has any mechanism to monitor the air quality in towns and cities and if so, the details thereof;
- (b) whether several towns and cities have shown a rapid rise in patients with respiratory diseases;
- (c) whether it is a fact that unhygienic ways of garbage storage/disposal and lack of solid waste treatment plants has led to poor air quality in most of the towns and cities; and
- (d) if so, the action Government plans to take in ensuring that urban India gets to breathe clean air?

ANSWER

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

(a) to (d):

MoEFCC provides financial assistance to States/ UTs under National Ambient Air Quality Programme (NAMP) for monitoring of ambient air quality in towns and cities. Presently 1340 Monitoring Stations have been set up for monitoring ambient air quality in 489 cities and towns of the country. Details of Ambient Air Quality Monitoring Stations in 489 cities/towns, are provided at **Annexure I**.

Ministry of Environment, Forest and Climate Change (MoEFCC) launched National Clean Air Programme (NCAP) in January, 2019 with an aim to improve air quality in 131 cities (non-attainment cities and Million Plus Cities in 24 States by engaging all stakeholders. The Programme envisages to achieve reductions up to 40% or achievement of National Ambient Air Quality Standards for Particulate Matter₁₀ (PM₁₀) concentrations by 2025-26. Under the Programme, Cities are required to take measures to improve air quality inter-alia include solid waste management, control of pollution from biomass burning and air pollution from construction & demolition activities.

Ministry of Housing and Urban Affairs has launched the scheme 'Swachh Bharat Mission – Urban 2.0' which aims at setting up of solid waste management processing facilities, remediation of all legacy waste dumpsites in all cities, C&D waste management

and procurement of mechanical road sweepers in 152 cities/towns which includes 131 cities covered under NCAP.

MoEFCC has notified Solid Waste Management Rules, 2016 which provide statutory framework for the management of solid waste in the country. Rules mandate the local authorities and village panchayats of census towns and urban agglomerations, to allow only the non-usable, non-recyclable, non-biodegradable, non-combustible and non-reactive inert waste and pre-processing rejects and residues from waste processing facilities to go to sanitary landfill sites.

To address the issue of plastic pollution with effective measures, MoEFCC notified the Plastic Waste Management (PWM) Rules, 2016. MoEFCC issued notification in August, 2021 for phasing out of 12 Single-Use Plastics (SUP) items w.e.f. 1st July, 2022. Plastic packaging waste, which is not covered under the phase out of identified single use plastic items, is to be collected and managed in an environmentally sustainable way through Guidelines for Extended Producer Responsibility notified by MoEFCC on 16th February 2022.

Annexure I

Details of Ambient Air Quality Monitoring Stations in 489 cities of the country

Sl.No.	State / Union Territory	City / town	Real time stations	Manual stations	
1.	Andaman & Nicobar (UT)	Brookshabd		1	
2.		Port Blair		2	
3.	Andhra Pradesh	Amaravati	1		
4.		Anatapur	1	4	
5.		Chittor	1	5	
6.		Eluru		4	
7.		Guntur		4	
8.		Kadapa	1	5	
9.		Kakinada		4	
10.		Kurnool		4	
11.		Nellore		4	
12.		Ongole		4	
13.		Rajahmundry	1	4	
14.		Srikakulam		4	
15.		Tirupati	2	4	
16.		Vijayawada	2	9	
17.		Visakhapatnam	1	9	
18.		Vizianagaram		4	
19.		Arunachal Pradesh	Itanagar		1
20.			Naharlagun	1	1
21.	Assam	Bongaigaon		2	
22.		Byrnihat	1		
23.		Daranga		1	
24.		Dibrugarh		1	
25.		Golaghat		1	
26.		Guwahati	4	8	
27.		Magherita		1	
28.		Nagaon	1	3	
29.		Nalbari	1	3	
30.		North Lakhimpur		1	
31.		Silcher	1	3	
32.		Sivasagar	1	3	
33.		Tezpur		1	
34.		Tinsukia		3	
35.	Bihar	Araria	1		
36.		Arrah	1		
37.		Aurangabad	1		
38.		Begusarai	1	1	
39.		Bettiah	1		
40.		Bhagalpur	2		
41.		Bihar Sharif	1		
42.		Buxar	1		
43.		Chhapra	1		

Sl.No.	State / Union Territory	City / town	Real time stations	Manual stations
44.		Darbhanga	1	1
45.		Gaya	3	1
46.		Hajipur	1	
47.		Katihar	1	
48.		Kishanganj	1	
49.		Manguraha	1	
50.		Motihari	1	
51.		Munger	1	
52.		Muzaffarpur	3	1
53.		Patna	6	2
54.		Purnia	1	
55.		Rajgir	1	1
56.		Saharsa	1	
57.		Samastipur	1	
58.		Sasaram	1	1
59.		Siwan	1	
60.	Chandigarh (UT)	Chandigarh	3	5
61.	Chattisgarh	Bilaspur	1	1
62.		Chhal	1	
63.	Chattisgarh	Durg-Bhillainagar	3	4
64.		Jagdalpur		
65.		Korba	2	3
66.		Kunjemura	1	
67.		Milupara	1	
68.		Raigarh		3
69.		Raipur	4	6
70.		Tumidih	1	
71.	Dadara& Nagar Haveli and Daman & Diu (UT)	Baldevi (Dadra & Nagar Haveli)		1
72.		Daman		2
73.		Patlara (Daman)		1
74.		Silvasa		2
75.	Delhi (UT)	Delhi	40	10
76.	Goa	Amona		1
77.		Assanora		1
78.		Bicholim		1
79.		Codli		1
80.		Cuncolim		1
81.		Curchorem		1
82.		Honda		1
83.		Kundaim		1
84.		Mapusa		1
85.		Margao		1
86.		Marmagao		1
87.		Panaji		1
88.		Ponda		1

Sl.No.	State / Union Territory	City / town	Real time stations	Manual stations
89.	Goa	Sanguem		1
90.		Tilamol		1
91.		Tuem		1
92.		Usgao-Pale		1
93.		Vasco		1
94.	Gujarat	Ahmedabad	9	9
95.		Ankleshwar	1	2
96.		Gandhinagar	4	
97.		Jamnagar		1
98.		Nandesari	1	
99.		Rajkot		2
100.		Surat		3
101.		Vadodara		5
102.		Vapi	1	2
103.		Vatva	1	
104.	Haryana	Ambala	1	
105.		Bahadurgarh	1	
106.		Ballabgarh	1	
107.		Bhiwani	1	
108.		CharkhiDadri	1	
109.		Dharuhera	1	
110.		Faridabad	4	2
111.		Fatehabad	1	
112.		Gurgaon	4	
113.		Hissar	1	2
114.		Jind	1	
115.		Kaithal	1	
116.		Karnal	1	
117.		Kurukshetra	1	
118.		Mandikhera	1	
119.		Manesar	1	
120.		Narnaul	1	
121.		Palwal	1	
122.	Panchukula Urban Estate	1		

Sl.No.	State / Union Territory	City / town	Real time stations	Manual stations
123.	Haryana	Panipat	1	
124.		Riwari		
125.		Rohtak	1	
126.		Sirsa	1	
127.		Sonepat	1	
128.		Thanesar		
129.		Yamuna Nagar	1	1
130.		Himachal Pradesh	Baddi	1
131.	Damtal			2
132.	Dharamshala			2
133.	Gulaba			1
134.	Kala Amb			2
135.	Manali			2
136.	Marhi			1
137.	Nalagarh			1
138.	Parwanoo			2
139.	Poanta Sahib			2
140.	Shimla			2
141.	Sunder Nagar			2
142.	Una			2
143.	Vashisht			1
144.	Jammu & Kashmir (UT)	Anantnag (K)		1
145.		Bandipora (K)		1
146.	Jammu & Kashmir (UT)	Baramulla (K)		2
147.		Budgam (K)		1
148.		Doda (J)		1
149.		Ganderbal (K)		1
150.		Jammu		6
151.		Khathua (J)		2
152.		Kulgam (K)		1
153.		Poonch (J)		1
154.		Pulwama (K)		2
155.		Rajouri(J)		2
156.		Ramban (J)		1
157.		Reasi (J)		1
158.		Samba (J)		1
159.		Shopian (K)		1
160.	Srinagar (K)	1	5	
161.	Udhampur (J)		1	
162.	Jharkhand	Barajamda		1
163.		Dhanbad		3
164.		Jamshedpur		2
165.		Jharia		1

Sl.No.	State / Union Territory	City / town	Real time stations	Manual stations
166.		Jorapokhar	1	
167.		Ranchi		1
168.		Saraikela		1
169.		Sindri		1
170.	Karnataka	Bagalkote	1	1
171.		Bangalore	12	9
172.		Belgaum	1	1
173.		Bidar	1	1
174.		Bijapur / Vijayapura	1	1
175.		Chamarajanagar	1	
176.		Chikkaballapur	1	
177.		Chikkamagaluru	1	
178.	Karnataka	Chitradurga		1
179.		Devanagere	1	3
180.		Gadag	1	
181.		Gulbarga / Kalaburgi	2	1
182.		Hassan	1	1
183.		Haveri	1	
184.		Hubli-Dharwad	3	2
185.		Karwar		1
186.		Kolar	1	1
187.		Koppal	1	
188.		Madikeri	1	
189.		Mandya		1
190.		Mangalore	1	1
191.		Mysore	1	2
192.		Raichur	1	1
193.		Ramanagara	1	
194.		Shimoga / Shivamogga	1	1
195.		Tumkuru	1	1
196.		Udupi	1	
197.		Yadgir	1	
198.	Kerala	Alappuzha		2
199.		Eloor	1	
200.		Ernakulam	1	
201.		Kannur	1	
202.		Kochi	1	8
203.		Kollam	1	2
204.		Kottayam		2
205.		Kozhikode	1	2
206.		Mallapuram		2
207.		Palakkad		1
208.		Pathanamthitta		1
209.		Thiruvalla		1
210.		Thiruvananthapuram	2	4
211.		Thrissur	1	2

Sl.No.	State / Union Territory	City / town	Real time stations	Manual stations	
212.	Kerala	Wayanad		2	
213.	Lakshadweep (UT)	Kavaratti		1	
214.	Madhya Pradesh	Amlai		2	
215.		Bhopal	2	8	
216.		Chindwara		2	
217.		Damoh	1		
218.		Dewas	1	3	
219.		Gwalior	4	3	
220.		Indore	1	3	
221.		Jabalpur	1	2	
222.		Katni	1	2	
223.		Maihar	1		
224.		Mandideep	1		
225.		Nagda		3	
226.		Pithampur	1	2	
227.		Ratlam	1		
228.		Rewa		1	
229.		Sagar	2	2	
230.		Satna	1	2	
231.		Singrauli	1	3	
232.		Ujjain	1	4	
233.		Maharashtra	Akola		3
234.			Ambernath		1
235.			Amravati		3
236.			Aurangabad	1	4
237.	Badlapur			1	
238.	Bhiwandi			3	
239.	Chandrapur		2	6	
240.	Dombivali / Kalyan		1	1	
241.	Jalgaon			3	
242.	Jalna			2	
243.	Kolhapur			3	
244.	Latur			3	
245.	Lote			2	
246.	Mahad			3	
247.	Mumbai		20	3	
248.	Nagpur		1	7	
249.	Nanded			3	
250.	Nashik		1	4	
251.	Navi Mumbai		4	6	
252.	Pimpri-Chinchwad			1	
253.	Pune		8	3	
254.	Roha			2	
255.	Sangli			3	
256.	Solapur		1	2	
257.	Tarapur			3	

Sl.No.	State / Union Territory	City / town	Real time stations	Manual stations
258.		Thane	1	3
259.		Ulhasnagar		2
260.		Vasai-virar	1	
261.	Manipur	Imphal	2	1
262.	Meghalaya	Byrnihat		2
263.		Dawki		1
264.		Khlihriat		1
265.		Nongstoin		1
266.		Shillong	2	4
267.		Tura		1
268.		Umaim		1
269.	Mizoram	Aizwal	1	5
270.		Champhai		2
271.	Mizoram	Kolasib		2
272.		Lawngtlai		2
273.		Lunglei		2
274.		Mamit		2
275.		Saiha		2
276.		Serchhip		2
277.	Nagaland	Dimapur		7
278.		Kohima	1	3
279.	Odisha	Angul		3
280.		Balangir		3
281.		Balasore		3
282.		Baripada	1	
283.		Berhampur		1
284.		Bhubaneswar		6
285.		Bileipada	1	
286.		Bonaigarh		1
287.		Brajrajnagar	1	
288.		Cuttack		3
289.		Jharsuguda		3
290.		Kalinga Nagar		3
291.		Kandhamal		3
292.		Kendrapara		3
293.		Keonjhar	1	
294.		Konark		1
295.		Mayurbhanj		3
296.		Nayagarh	1	
297.		Paradeep		3
298.		Puri		2
299.		Rairangpur	1	
300.		Rajgangpur		1
301.		Rayagada		3
302.		Rourkela	3	4
303.		Sambalpur		1

Sl.No.	State / Union Territory	City / town	Real time stations	Manual stations
304.	Odisha	Suakati	1	
305.		Talcher	1	3
306.		Tensa	1	
307.	Pondicherry (UT)	Karaikal		3
308.		Pondicherry	1	3
309.	Punjab	Aligarh (Jagraon)		1
310.		Amritsar	1	2
311.		AspalKhurd (Tapa)		1
312.		Bara Pind (Goraya)		1
313.		Batala		1
314.		Bhatinda	1	1
315.		Binjon (Garshankar)		1
316.		Bishanpura (Payal)		1
317.		Changal (Sangrur)		1
318.		Chowkimann (Jagraon)		1
319.		Dera Baba Nanak		1
320.		DeraBassi		2
321.		Fatehpur (Samana)		1
322.		GobindgarhMandiGobindgarh	1	3
323.		Guru Ki Dhab (Kotkapura)		1
324.		Gurdaspur		1
325.		JaitoSarja (Batala)		1
326.		Jalandhar	1	4
327.		Khanna	1	2
328.		Kharaori (Sirhind)		1
329.		Kotladoom (Ajnala)		1
330.		LakhokeBehram (Ferozpur)		1
331.		Ludhiana	1	4
332.		Moga		
333.		Mrar Kalan (Muktsar)		1
334.		Mukandpur (Nawashahar)		1
335.		Mureedke (Batala)		1
336.	Naudhrani (Malerkotla)		1	
337.	NayaNangal		2	
338.	Patiala	1	3	
339.	Pathankot		1	
340.	Peer Mohammad (Jalalabad)		1	

Sl.No.	State / Union Territory	City / town	Real time stations	Manual stations	
341.	Punjab	Poohli (Bhatinda)		1	
342.		QilaBharian (Sangrur)		1	
343.		Rakhra (Patiala)		1	
344.		Rohila (Samrala)		1	
345.		Rupnagar	1		
346.		Subanpur (Dhilwan)		1	
347.		Srihind		1	
348.		Tirathpur (Amritsar I)		1	
349.		Rajasthan	Ajmer	1	
350.	Alwar		1	3	
351.	Bharatpur		1	3	
352.	Bhiwadi		1	3	
353.	Bikaner		1		
354.	Churu		1		
355.	Chittorgargh			3	
356.	Dholpur		1		
357.	Jaipur		3	9	
358.	Jodhpur		2	9	
359.	Kota		3	6	
360.	Pali		1		
361.	Rajasthan		Sirohi	1	
362.			Sikar		
363.			Tonk	1	
364.		Udaipur	1	3	
365.	Sikkim	Chungthang		1	
366.		Gangtok	1	2	
367.		Mangan		1	
368.		Namchi		1	
369.		Pelling		1	
370.		Rangpo		1	
371.		Ravangla		1	
372.		Singtam		1	
373.	Tamilnadu	Ariyalur	1		
374.		Chengalpattu	1		
375.		Chennai	9	11	
376.		Coimbatore	2	3	
377.		Cuddalore		3	
378.		Dindigul	1		
379.		Dharmapuri		3	
380.		Gummidipoondi	1		
381.		Hosur	1		
382.		Kanchipuram	1		
383.		Ooty	1		
384.		Madurai		3	
385.		Mettur		2	
386.		Nagercoil		3	

Sl.No.	State / Union Territory	City / town	Real time stations	Manual stations
387.	Tamilnadu	Perambalur		3
388.		Ramanathapuram	1	
389.		Salem	1	1
390.		Sivagangai		3
391.		Theni		3
392.		Tiruvannamalai		3
393.		Tiruvarur		3
394.		Trichy		5
395.		Tirupur	1	
396.		Tuticorin / Thoothukudi	1	3
397.		Vellore	1	
398.		Villupuram		3
399.		Telangana	Adilabad	
400.	Hyderabad		12	10
401.	Karimnagar			1
402.	Khammam			2
403.	Kothur			1
404.	Nalgonda			2
405.	Nizamabad			1
406.	Patencheru		1	1
407.	Ramagundum			1
408.	Sangareddy		1	3
409.	Warangal			2
410.	Tripura	Agartala	2	2
411.	Uttar Pradesh	Agra	6	6
412.		Aligarh		2
413.		Allahabad	3	5
414.		Anpara		2
415.		Ayodhya		2
416.		Bagpat	2	2
417.		Bareily	2	2
418.		Bulandshahr	1	
419.		Firozabad	2	3
420.		Gajroula		2
421.		Ghaziabad	4	4
422.		Gorakhpur	1	3
423.		Greater Noida	1	2
424.		Hapur	1	2
425.		Hatras		2
426.		Jhansi	1	2
427.		Kanpur	4	9
428.		Khurja	1	2
429.		Lucknow	7	8
430.		Mathura		2
431.		Meerut	3	2
432.		Moradabad	7	2

Sl.No.	State / Union Territory	City / town	Real time stations	Manual stations	
433.		Muzaffarnagar	1	2	
434.		Noida	4	4	
435.		Raibareli		3	
436.		Saharanpur		2	
437.		Unnao		2	
438.		Varanasi	4	5	
439.		Vrindavan	1		
440.		Uttarakhand	Dehradun	1	3
441.	Haldwani			1	
442.	Haridwar			1	
443.	Kashipur		1	3	
444.	Rishikesh		1	3	
445.	Rudrapur			1	
446.	West Bengal		Alipurduar		1
447.		Amtala		1	
448.		Asansol	1	3	
449.		Baharampur		1	
450.		Balurghat		1	
451.		Bankura		1	
452.		Barasat		1	
453.		Bardhaman		1	
454.		Barrckpore		3	
455.		Baruipur		1	
456.		Birpara		1	
457.		Bolpur		1	
458.		Chinsura		1	
459.		Coochbihar		2	
460.		Dankuni		1	
461.		Darjeeling		1	
462.		Durgapur	1	4	
463.		Ghatal		1	
464.		Haldia	1	4	
465.		Howrah	3	4	
466.		Jalpaiguri		1	
467.		Jhargram		1	
468.		Jaigaon		1	
469.		Kalimpong		1	
470.		Kalyani		1	
471.		Kharagpur		1	
472.		Kolkata	7	21	
473.		Krishnanagar		1	
474.		Madhyamgram		1	
475.		Malda		1	
476.		Medinipur		1	
477.		West Bengal	Purulia		1
478.			Raigunj		1

Sl.No.	State / Union Territory	City / town	Real time stations	Manual stations
479.		Rampurhat		1
480.		Ranaghat		1
481.		Raniganj		3
482.		Rishra		1
483.		Sankrail		4
484.		Siliguri	1	1
485.		Suri		1
486.		Tamluk		1
487.		Tribeni		1
488.		Uluberia		1
489.		Uttarpara		1
			430	910

