

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

LOK SABHA
UN-STARRED QUESTION NO. 1006
TO BE ANSWERED ON 07.02.2020

Pollution during Winter Season

1006. SHRI DIBYENDU ADHIKARI:

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

- (a) whether the pollution level in various cities of North India intensifies during the winter season;
- (b) if so, the details thereof along with the reasons therefor;
- (c) whether most of the cities in the current year have recorded highest ever AQI between last week of October and mid January;
- (d) if so, the details thereof; and
- (e) the steps taken by the Government to tackle pollution under control and bring down the particulate matter level in the next consecutive three months?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(SHRI BABUL SUPRIYO)

- (a) to d) The air pollution levels generally intensify in the winter season due to poor meteorological conditions such as lower wind speed and lower temperature resulting in temperature inversion. Further, burning of crop residue in the northern states also contributes to the air pollution. The AQI status of 46 representative cities in North India States during winter months (October 2019 to January 2020) is at Annexure. On the analysis of last five-year ambient air quality data (2014-2018), across the country, it is observed that most of the cities were within the National Standards with respect to parameters of SO₂ and NO₂. With respect to PM₁₀ and PM_{2.5}, 18 and 12 cities respectively showed decreasing trend. In reference to Delhi, there has been an overall improvement in air quality of Delhi in 2019 as compared to that of 2016. The number of 'Good to 'Moderate' days has increased to 182 in 2019 as compared to 108 in 2016.
- (e) The Government has taken several steps to combat air pollution which inter alia, includes notification of National Ambient Air Quality Standards, revision of emission standards for industrial sectors from time to time, setting up of monitoring network for assessment of ambient air quality, introduction of cleaner / alternate fuels like gaseous fuel (CNG, LPG etc.), launching of National Air Quality index, leapfrogging

from BS-IV to BS-VI fuel standards, notification of Construction and Demolition Waste Management Rules, Notifications of 6 waste management rules covering solid waste, plastic waste, e-waste, bio-medical waste, C&D waste and hazardous wastes issued in 2016, banning of burning of biomass, 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 for controlling air pollution, installation of on-line continuous (24x7) monitoring devices by major industries, notification of Graded Response Action Plan (GRAP) for Delhi and NCR, Comprehensive Action Plan (CAP) for air pollution control in Delhi and NCR, formulation of National Clean Air Programme (NCAP), organization of clean air campaigns, etc,

AQI Status of cities in North India States during winter months (October – January)

S.NO	City	Good Days	Bad days	Good Days	Bad days	Good Days	Bad days	Good Days	Bad days
		Good/ Satisfactory/ Moderate	Poor/ Very Poor/ Severe	Good/ Satisfactory/ Moderate	Poor/ Very Poor/ Severe	Good/ Satisfactory/ Moderate	Poor/ Very Poor/ Severe	Good/ Satisfactory/ Moderate	Poor/ Very Poor/ Severe
		(0 - 200)	(>201)	(0 - 200)	(>201)	(0 - 200)	(>201)	(0 - 200)	(>201)
		Oct-19		Nov-19		Dec-19		Jan-20	
1	Agra	28	2	17	12	20	3	10	17
2	Baghpat	10	20	6	18	5	25	3	7
3	Bulandshahr	11	10	5	16	2	21	4	22
4	Ghaziabad	10	21	3	26	1	30	1	29
5	GreaterNoida	9	22	3	26	1	30	4	27
6	Hapur	17	13	10	20	13	17	24	3
7	Kanpur	14	8	2	26	4	22	7	24
8	Lucknow	18	13	3	26	5	26	8	23
9	Meerut	4	20	9	21	6	25	11	20
10	Moradabad	10	18	7	23	0	16	1	12
11	Muzaffarnagar	9	21	0	0	2	29	4	7
12	Noida	11	20	3	27	1	30	3	28
13	Varanasi	16	14	2	25	3	20	8	20
14	Ambala	18	13	14	16	14	17	21	10
15	Bahadurgarh	20	11	10	20	12	19	26	5
16	Ballabgarh	18	12	10	20	4	25	3	24
17	Bhiwani	23	5	11	17	9	22	21	8

18	Dharuhera	11	17	10	18	8	19	18	9
19	Faridabad	6	19	6	22	2	22	5	26
20	Fatehabad	27	4	18	12	29	2	30	0
21	Gurugram	15	15	10	20	10	21	16	15
22	Hisar	11	19	10	20	5	23	17	12
23	Jind	12	18	6	24	4	27	19	12
24	Kaithal	21	10	16	14	20	11	29	1
25	Karnal	8	22	11	18	6	23	18	12
26	Kurukshetra	16	15	13	17	5	24	18	13
27	Mandikhera	25	6	15	13	10	17	21	8
28	Manesar	16	15	8	20	12	17	22	6
29	Narnaul	19	10	13	13	28	0	15	8
30	Palwal	13	14	8	19	6	23	5	11
31	Panchkula	25	6	29	1	29	2	31	0
32	Panipat	8	20	8	22	5	26	12	18
33	Rohtak	17	12	11	19	6	24	20	11
34	Sirsa	10	20	15	12	26	5	29	0
35	Sonipat	16	8	12	13	21	6	23	7
36	Yamunanagar	6	25	8	21	8	22	15	14
37	Amritsar	22	7	15	13	23	6	29	2
38	Bathinda	27	3	20	10	21	8	28	2
39	Jalandhar	24	7	16	13	26	5	27	3
40	Khanna	27	4	18	10	25	6	25	3
41	Ludhiana	21	10	18	12	22	7	28	0
42	MandiGobindgarh	25	6	11	16	10	16	14	13
43	Patiala	25	6	19	11	24	7	31	0
44	Rupnagar	28	2	12	13	28	2	27	2
45	Delhi	10	20	4	26	3	28	3	28
46	Chandigarh	25	6	18	12	25	5	31	0

