GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

LOK SABHA
UNSTARRED QUESTION NO. 2080
TO BE ANSWERED ON 09.12.2024

Funds to Non-attainment Cities under NCAP

2080. SHRI RAJA RAM SINGH:

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

(a) the details of stringent measures taken by the Government to curb down the emissions in non-attainment cities under the National Clean Air Programme (NCAP);
(b) the details of the money allocated for non-attainment cities under NCAP, State-wise;
(c) the specific measures taken by the Government to meet the target goal of 20%-30% of reduction in particulate matter concentration by 2024 especially in non-attainment cities;
(d) the details of deadline for achieving revised target of a 40% reduction in pollution levels under the NCAP, State-wise; and
(e) whether the Government has conducted an assessment of in-effectiveness of NCAP in main cities and if so, the details thereof?

ANSWER
MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(SHRI KIRTI VARDHAN SINGH)

(a) to (e): National Clean Air Programme (NCAP) launched by Ministry of Environment, Forest and Climate Change (MoEF&CC) in January 2019 with an aim to improve air quality in 130 cities (non-attainment cities and Million Plus Cities) in 24 States/UTs by engaging all stakeholders. NCAP envisages reduction by 20-30% in PM10 concentration over baseline in year 2017 by 2024-25. Target has been revised to achieve reduction in PM10 level up to 40% or achievement of national standards (60 microgram/cubic meter) by 2025-26.

NCAP is a multi-sectoral initiative involving the coordinated efforts of the Central and State Governments, Urban Local Bodies (ULBs), and other stakeholders. It emphasizes source-specific mitigation measures through city, state, and national-level clean air action plans. All cities under NCAP have prepared city action plans to take measures to improve air quality as per the objectives of NCAP. Further, 24 State/UTs have prepared action plan under NCAP. Resources are mobilized through the convergence of Central Government schemes (e.g., Swachh Bharat Mission, Smart City Mission, PM e-bus Sewa, AMRUT, SATAT, and Nagar Van Yojana), state schemes, and city's own resources.

Performance based incentive grant is provided under NCAP to cities for funding the critical gap. 48 Million Plus Cities/ Urban Agglomerations are funded under XVth Finance Commission Million Plus City Challenge fund as an air quality performance grant, and remaining 82 cities are

funded by MoEFCC. An amount of Rs. 19,614 crore has been allocated for 130 cities during 2019-20 till 2025-26. Rs. 11,211 crore has been released to cities during 2019-20 till 2023-24. State-wise details of release of funds under NCAP for improvement of air quality are provided at **Annexure–I**.

Annual air pollution reduction targets in the range of 3-15% reduction in PM10 levels have been prescribed for 82 non-attainment cities, whereas annual target of 15% reduction in PM10 level and 15% increase in Good Days (AQI <200) has been prescribed for 48 Million Plus Cities.

To achieve the targets City Action Plans have been prepared by 130 cities. Annual Action Plans have been prepared based on the sources of pollution and available resources.

MoEF&CC has launched "PRANA" a portal for monitoring implementation of NCAP. On this portal, action plans are uploaded. This portal serves as a platform to track implementation of action plans, physical and financial progress of cities for air quality improvement. Cities have been mandated to submit quarterly progress report regarding implementation on PRANA portal.

The following Committees have been set up at National, State and City level for coordination, review and monitoring of progress of action plans under NCAP:

a. National Level
    (i) Apex Committee
    (ii) Steering Committee
    (iii) Monitoring Committee
    (iv) Implementation Committee

b. State Level
    (i) Steering Committee
    (ii) Implementation Committee

c. City Level
    (i) City level Implementation and Monitoring Committee

Nodal officers of CPCB Regional Directorates have carried out field verification of activities undertaken as per City Action Plan. As per MoEF&CC guidelines "Ranking of Cities", assessment of cities has been carried out in FY 2021-22, 2022-23 & 2023-24 in line with Swachh Vayu Survekshan framework to rank cities based on the air quality implementation measures taken by cities.

As per the annual performance assessment carried out for 2023-24, 97 cities out of 130 cities have shown improvement in air quality in terms of PM10 concentrations in FY 2023-24 as compared to base levels of 2017-18. 55 cities have achieved reduction of 20% and above in PM10 levels in 2023-24 with respect to the levels of 2017-18. Further, 18 cities conform to national ambient air quality standards in terms of Particular Matter concentrations during FY 2023-24.

Details of improvement in PM10 concentrations of 130 Cities in FY 2023-24 w.r.t. FY 2017-18 are enclosed as **Annexure–II**. Some of the key measures taken by the Government for air quality management are placed at **Annexure III.**

*****

Annexure-I

State-wise release during the FY 2019-20 to 2023-24 under National Clean Air Programme (NCAP)

(Rs. in crore)

SN	State	S.No.	City	Funds released till 23-24
1	Andhra Pradesh	1.	Srikakulam	3.96
		2.	Chittoor	6.14
		3.	Ongole	7.87
		4.	Vizianagaram	5.31
		5.	Eluru	5.21
		6.	Rajahmundry	7.87
		7.	Anantapur	11.46
		8.	Kadapa	8.48
		9.	Vijayawada UA	130.35
		10.	Guntur	17.34
		11.	Kurnool	6.33
		12.	Nellore	21.40
		13.	Visakhapatnam UA	129.37
2	Chandigarh	14.	Chandigarh	32.81
3	Chhattisgarh	15.	Raipur UA	125.35
		16.	Durg Bhilainagar UA	118.35
		17.	Korba	4.69
4	Gujarat	18.	Surat UA	261.18
		19.	Ahmadabad UA	571.29
		20.	Rajkot UA	120.69
		21.	Vadodara UA	132.26
5	Himachal Pradesh	22.	Baddi	3.11
		23.	Nalagarh	2.26
		24.	Paonta Sahib	2.06
		25.	Sunder Nagar	2.30
		26.	Damtal	1.91
		27.	Parwanoo	1.96
		28.	Kala Amb	3.90
6	Jammu & Kashmir	29.	Jammu	25.08
		30.	Srinagar	90.87
7	Jharkhand	31.	Dhanbad UA	69.09
		32.	Jamshedpur UA	116.85
		33.	Ranchi UA	93.50
8	Karnataka	34.	Bruhat Bangalore UA	541.10

SN	State	S.No.	City	Funds released till 23-24
		35.	Gulburga	23.48
		36.	Hubli-Dharwad	19.15
		37.	Devanagere	13.79
9	Madhya Pradesh	38.	Bhopal UA	193.79
		39.	Gwalior UA	102.64
		40.	Indore UA	191.95
		41.	Ujjain	20.23
		42.	Sagar	14.90
		43.	Dewas	7.95
		44.	Jabalpur UA	119.08
10	Maharashtra	45.	Greater Mumbai (GM) UA	938.59
		46.	Nagpur UA	142.05
		47.	Navi Mumbai GM UA	9.45
		48.	Pune UA	271.30
		49.	Amravati	34.64
		50.	Aurangabad UA	68.30
		51.	Nashik UA	91.55
		52.	Kolhapur	24.11
		53.	Sangli	11.65
		54.	Solapur	40.35
		55.	Ulhasnagar GM UA	2.10
		56.	Akola	9.61
		57.	Badlapur GM UA	2.00
		58.	Chandrapur	6.99
		59.	Jalgaon	5.64
		60.	Jalna	6.35
		61.	Latur	17.37
		62.	Thane GM UA	0.00
		63.	Vasai-Virar City UA	72.35
11	Odisha	64.	Kalinga Nagar	5.10
		65.	Cuttack	26.58
		66.	Bhubneshwar	21.04
		67.	Balasore	3.95
		68.	Rourkela	13.26
		69.	Talcher	2.36
		70.	Angul	2.32
12	Punjab	71.	Ludhiana UA	97.75
		72.	Amritsar UA	73.25
		73.	Jalandhar	45.44

SN	State	S.No.	City	Funds released till 23-24
		74.	Khanna	7.00
		75.	Gobindgarh	5.64
		76.	Naya Nangal	3.37
		77.	Pathankot/Dera Baba Nanak	6.73
		78.	Patiala	21.18
		79.	Dera Bassi	1.34
13	Rajasthan	80.	Jaipur UA	344.70
		81.	Jodhpur UA	118.69
		82.	Kota UA	107.47
		83.	Alwar	21.89
		84.	Udaipur	17.50
14	Tamilnadu	85.	Tuticorn/Thoothukudi	13.40
		86.	Chennai UA	387.72
		87.	Madurai UA	72.44
		88.	Tiruchirappalli UA	62.35
15	Telangana	89.	Hyderabad UA	614.82
		90.	Nalgonda	5.29
		91.	Sangareddy	3.47
16	Uttar Pradesh	92.	Agra UA	284.89
		93.	Allahabad UA	213.32
		94.	Kanpur UA	397.24
		95.	Lucknow UA	402.82
		96.	Varanasi UA	305.84
		97.	Moradabad	79.09
		98.	Bareily	73.35
		99.	Firozabad	47.78
		100.	Jhansi	11.08
		101.	Khurja	18.37
		102.	Anpara	2.41
		103.	Gajraula	4.41
		104.	Raebareli	15.62
		105.	Gorakhpur	66.87
		106.	Noida	30.89
		107.	Ghaziabad UA	153.42
		108.	Meerut UA	153.62
17	Uttrakhand	109.	Kashipur	7.29
		110.	Rishikesh	9.78
		111.	Dehardun	51.20

SN	State	S.No.	City	Funds released till 23-24
18	West Bengal	112.	Kolkata (K) UA	960.27
		113.	Howrah K UA	5.00
		114.	Haldia	10.33
		115.	Durgapur	44.58
		116.	Barrackpore K UA	2.00
		117.	Asansol UA	67.60
19	Bihar	118.	Patna UA	298.60
		119.	Gaya	12.45
		120.	Muzaffarpur	17.06
20	Assam	121.	Guwahati	39.23
		122.	Nagaon	8.79
		123.	Nalbari	6.81
		124.	Sibsagar	8.03
		125.	Silchar	7.80
21	Nagaland	126.	Dimapur	10.20
		127.	Kohima	9.80
22	Meghalaya	128.	Byrnihat	7.95
23	Delhi	129.	Delhi	42.69
24	Haryana	130.	Faridabad UA	73.53
Total				11,211.13

Annexure–II

Improvement in PM_{10} concentrations of Non-Attainment Cities in FY 2023-24 with respect to FY 2027-18

S.No	State	City	PM10 concentrations in 2017-18 (µg/m3) (Annual Avg.)	PM10 concentrations in 2023-24 (µg/m3) (Annual Avg.)	Percentage reduction in PM10 concentrations in 2023-24 with respect to the year 2017-18 (%)
1	Andhra Pradesh	Kadapa	75	42	44
2		Kurnool	79	56	29
3		Anantapur	78	59	24
4		Nellore	64	52	19
5		Chitoor	70	59	16
6		Ongole	65	56	14
7		Rajahmundry	85	76	11
8		Guntur	66	61	8
9		Eluru	72	68	6
10		Srikakulam	69	68	1
11		Vizianagram	72	73	-1
12	Assam	Sibsagar	73	41	44
13		Silchar	49	32	35
14		Guwahati	103	119	-16
15		Nagaon	82	107	-30
16		Nalbari	87	127	-46
17	Bihar	Muzaffarpur	147	168	-14
18		Gaya	79	104	-32
19	Chandigarh	Chandigarh	114	116	-2
20	Chhattisgarh	Korba	57	59	-4
21	Delhi	Delhi	241	208	14
22	Himachal Pradesh	Nalagarh	146	68	53
23		Sunder Nagar	78	44	44
24		Parwanoo	66	39	41
25		Baddi	174	111	36
26		Kala Amb	118	100	15
27		Damtal	55	52	5
28		Paonta Sahib	84	90	-7
29	Jammu and Kashmir	Jammu	157	101	36
30		Srinagar	132**	96	27
31	Karnataka	Devanagere	74	66	11
32		Hubli-dharwad	79	71	10
33		Gulburga	55	56	-2

S.No	State	City	PM10 concentrations in 2017-18 (µg/m3) (Annual Avg.)	PM10 concentrations in 2023-24 (µg/m3) (Annual Avg.)	Percentage reduction in PM10 concentrations in 2023-24 with respect to the year 2017-18 (%)
34	Madhya Pradesh	Ujjain	93	84	10
35		Sagar	73	74	-1
36		Dewas	83	99	-19
37	Maharashtra	Akola	111	85	23
38		Latur	82	66	20
39		Amravati	102	87	15
40		Chandrapur	118	102	14
41		Sangli	87	77	11
42		Kolhapur	89	86	3
43		Jalna	99	102	-3
44		Solapur	81	96	-19
45		Jalgaon	70	97	-39
46	Meghalaya	Byrnihat	175	104	41
47	Nagaland	Kohima	127	68	46
48		Dimapur	142	97	32
49	Odisha	Kalinga Nagar	109	101	7
50		Talcher	113	113	0
51		Rourkela	99	111	-12
52		Bhubaneshwar	85	114	-34
53		Cuttack	93	129	-39
54		Balasore	84	124	-48
55		Angul	97	167	-72
56	Punjab	Jalandhar	178	111	38
57		Naya Nagal	87	59	32
58		Khanna	142	100	30
59		Pathankot/ Dera Baba	79	56	29
60		Gobindgarh	148	126	15
61		Patiala	106	91	14
62		Dera Bassi	88	102	-16
63	Rajasthan	Alwar	152	127	16
64		Udaipur	127	121	5
65	Tamil Nadu	Thoothukudi	123	57	54
66	Telangana	Sangareddy	85	81	5
67		Nalgonda	59	59	0
68	Uttar Pradesh	Bareily	207	80	61
69		Firozabad	247	102	59

S.No	State	City	PM10 concentrations in 2017-18 (µg/m3) (Annual Avg.)	PM10 concentrations in 2023-24 (µg/m3) (Annual Avg.)	Percentage reduction in PM10 concentrations in 2023-24 with respect to the year 2017-18 (%)
70		Moradabad	222	115	48
71		Khurja	195	104	47
72		Raebareli	145	91	37
73		Gorakhpur	150	111	26
74		Noida	229	182	21
75		Gajraula	204	167	18
76		Jhansi	109	96	12
77		Anpara	175	166	5
78	Uttarakhand	Dehradun	250	109	56
79		Rishikesh	129	76	41
80		Kashipur	99	98	1
81	West Bengal	Durgapur	150	106	29
82		Haldia	92	87	5

Improvement in PM_{10} concentrations of Million Plus Cities/ Urban Agglomerations in FY 2023-24 with respect to FY 2027-18

S.No.	State	City	PM10 concentrations in 2017-18 (µg/m3) (Annual Avg.)	PM10 concentrations in 2023-24 (µg/m3) (Annual Avg.)	Percentage reduction in PM10 concentrations in 2023-24 with respect to the year 2017-18 (%)
1	Andhra Pradesh	Vijayawada	91	61	33
2		Vishakhapatnam	76	120	-58
3	Bihar	Patna	172	178	-3
4	Chhattisgarh	Bhilai	86	68	21
5		Raipur	70	76	-9
6	Gujarat	Ahmedabad	164	98	40
7		Rajkot	150	92	39
8		Vadodara	133	95	29
9		Surat	130	103	21
10	Haryana	Faridabad	229**	190	17
11	Jharkhand	Dhanbad	315	138	56
12		Ranchi	141	107	24
13		Jamshedpur	135	130	4
14	Karnataka	Bangalore	92	70	24
15	Madhya Pradesh	Jabalpur	101	91	10
16		Bhopal	112	113	-1
17		Gwalior	126	136	-8
18		Indore	82	99	-21
19	Maharashtra	Mumbai	161	94	42
20		Thane	138	111	20
21		Nashik	82	72	12
22		Nagpur	100	94	6
23		Badlapur	160	152	5
24		Pune	102	98	4
25		Ulhasnagar	153	149	3
26		Navi Mumbai	88	98	-11
27		Vasai-Virar	99	125	-26
28		Aurangabad	75	98	-31
29	Punjab	Amritsar	189	119	37
30		Ludhiana	168	161	4
31	Rajasthan	Jodhpur	189	124	34
32		Jaipur	172	148	14
33		Kota	139	124	11
34	Tamil Nadu	Trichy	88	47	47
35		Madurai	72	68	6
36		Chennai	66	63	5

S.No.	State	City	PM10 concentrations in 2017-18 (µg/m3) (Annual Avg.)	PM10 concentrations in 2023-24 (µg/m3) (Annual Avg.)	Percentage reduction in PM10 concentrations in 2023-24 with respect to the year 2017-18 (%)
37	Telangana	Hyderabad	110	81	26
38	Uttar Pradesh	Varanasi	230	73	68
39		Lucknow	253	137	46
40		Kanpur	227	125	45
41		Agra	202	116	43
42		Ghaziabad	285	172	40
43		Allahabad	169	124	27
44		Meerut	159	149	6
45	West Bengal	Kolkata	147	94	36
46		Asansol	147	108	27
47		Howrah	139	111	20
48		Barrackpore	86	99	-15

** PM10 levels in the FY 2017-18 for Faridabad and Srinagar are not available. PM10 levels of FY 2020-21 for Faridabad and PM10 levels of FY 2018-19 for Srinagar have been considered as a baseline.

Annexure II(A)

Air Quality Improvement in 130 Cities

S. No.	Improvement in PM_{10} in 2023-24 vs FY 2017-18 (%)	No. Of Cities	Cities
1	40 and above	23	Varanasi, Bareily, Firozabad, Dehradun, Dhanbad, Tuticorin, Nalagarh, Moradabad, Khurja, Trichy, Kohima, Lucknow, Kanpur, Kadapa, Sivasagar, Sunder Nagar, Agra, Greater Mumbai, Rishikesh, Parwanoo, Byrnihat, Ahmedabad, Ghaziabad
2	20-39	32	Rajkot, Jalandhar, Raebareli, Amritsar, Kolkata, Jammu, Silchar, Vijayawada, NayaNangal, Dimapur, Baddi, Jodhpur, Khanna, Durgapur, Kurnool, Dera Baba Nanak, Vadodara, Allahabad, Asansol, Hyderabad, Gorakhpur, Ranchi, Bengaluru, Akola, Ananthpur, Durg Bhilainagar, Surat, Noida, Howrah, Thane, Latur
4	1-19	42	Nellore, Gajraula, Alwar, Chittur, Kala Amb, Mandi Gobindgarh, Amravati, Patiala, Jaipur, Ongole, Delhi, Chandrapur, Nashik, Jhansi, Sangli, Kota, Devanagere, Rajamuhndary, Hubli-Dharwad, Jabalpur, Ujjain, Guntur, Kalinga Nagar, Meerut, Nagpur, Eluru, Madurai, Damtal, Haldia, Anpara, Badlapur, Sangareddy, Udaipur, Chennai, Ludhiana, Pune, Jamshedpur, Kolhapur, Ulhasnagar, Srikakulam, Kashipur
6	Nil	33	Talcher, Nalgonda, Bhopal, Sagar, Vizhianagaram, Chandigarh, Gulburga, Jalna, Patna, Korba, Paonta Sahib, Gwalior, Raipur, Navi Mumbai, Rourkela, Muzaffarpur, Barrackpore, Guwahati, Dera Bassi, Solapur, Dewas, Indore, Vasai virar, Nagaon, Aurangabad, Gaya, Bhubneshwar, Jalgaon, Cuttack, Nalbari, Balasore, Visakhapatnam, Angul

Annexure-III

Key steps taken by the Central Government to control pollution:

i. Emission standards for more than 80 industries have been notified under Environment (Protection) Rules, 1986

ii. Emission standards recently notified/revised:
   a) Thermal power plants
   b) Diesel/petrol/CNG generator sets
   c) Industrial boilers
   d) Lime Kilns
   e) Brick kilns and conversion of zig-zag technology
   f) Calcinated petcoke industry
   g) Hot mix plants

iii. Leapfrogging to Bharat Stage-VI (BS-VI) emissions norms from 1st April 2020

iv. Vehicle Scrapping Policy, Rules for Registered Vehicle Scrapping Facilities and Automated Testing Stations by MoRTH

v. Waste management rules for solid waste, plastic waste, hazardous waste, e-waste, battery waste, biomedical waste, 100% ash utilisation by Thermal Power Plants

vi. Market-based Extended Producer Responsibility (EPR) regulations introduced for waste categories, viz. plastic packaging, e-waste, battery waste, waste tyres & used oil

vii. 12 identified Single-Use Plastics (SUP) having high littering potential and low utility were banned from 1st July, 2022

viii. Mandate for utilisation of minimum 5% of crop residue along with coal (pellets/briquettes) in thermal power plants in NCR and adjoining areas

ix. Categorization of industrial areas as Critically and Severely Polluted Areas (CPAs/SPAs) based on Comprehensive Environmental Pollution Index (CEPI).