

GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

**LOK SABHA**  
**UNSTARRED QUESTION No. 3485**  
TO BE ANSWERED ON 08.08.2022

**AQI Monitoring Centers**

3485. SHRI P.C. MOHAN:  
SHRI RAJENDRA AGRAWAL:

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

- (a) the status of National Air Quality Monitoring Programme (NAMP);
- (b) the number of tier-2 cities which are connected with web-based system of National Air Quality Index;
- (c) the details of the funds disbursed for improving real-time air quality monitoring initiative;
- (d) whether the Government is aware of the fact that National Air Quality Index is not monitored in most of the important cities/towns of the country, if so, the reasons therefor;
- (e) whether the Government has planned to establish more AQI monitoring centres in all cities and towns across the country and if so, the details thereof and if not, the reasons therefor; and
- (f) the details of measures taken to strengthen the network of monitoring system in the country?

**ANSWER**

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

- (a) Central Pollution Control Board (CPCB) along with State Pollution Control Boards (SPCB) and Pollution Control Committees (PCC) monitor Ambient Air Quality at 882 manual stations covering 378 cities/towns in 28 States and 7 Union Territories across the country under National Ambient Air Quality Monitoring Programme (NAMP).
- (b) At present, 20 tier-2 cities are connected with National Air Quality Index (NAQI) Bulletin.
- (c) The total fund disbursed for installation of real-time ambient air quality monitoring stations is Rs 22.30 Cr. for 31 stations during 2017 to 2021. In addition, under National Clean Air Programme (NCAP), in FY 2019-20, Rs.77 Cr. were allocated to 24 cities for 65 Continuous Ambient Air Quality Monitoring Systems (CAAQMS). The details are at **Annexure I.**

(d) , (e) & (f) Daily bulletin on Air Quality Index (AQI) is published for 183 cities covering 27 States and 4 UTs. Metropolitan cities like Delhi, Chennai, Kolkata, Bengaluru, Mumbai and Hyderabad are already covered. The list of cities where AQI is generated is at **Annexure II**.

Ambient air quality monitoring network of the country consists of 1243 stations (Manual + CAAQM Stations) covering 465 cities in 28 States and 7 Union Territories (UT). The expansion of monitoring network is a continuous process and is done as per criteria evolved for ambient air quality monitoring network (**Annexure – III**) starting with non-attainment cities, mega cities, million plus / metropolitan cities, cities in Indo-Gangetic Plain, uncovered district headquarters, industrial city, coastal city, Ecologically Sensitive Areas and rural areas.

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## Annexure I

## Funds Released under NCAP for CAAQMS

| S.No.        | City name                         | Installation & commissioning of CAAQMS | Funds Allocated (in crores) |
|--------------|-----------------------------------|--|-----------------------------|
| 1            | Vijayawada                        | 3                                      | 3.6                         |
| 2            | Patna                             | 3                                      | 3.6                         |
| 3            | Raipur                            | 2                                      | 2.4                         |
| 4            | Bhilai                            | 2                                      | 2.4                         |
| 5            | Surat                             | 3                                      | 3.6                         |
| 6            | Varanasi                          | 3                                      | 3.6                         |
| 7            | Prayagraj (Allahabad)             | 3                                      | 3.6                         |
| 8            | Agra                              | 2                                      | 2.4                         |
| 9            | Kanpur                            | 2                                      | 2.4                         |
| 10           | Lucknow                           | 2                                      | 2.4                         |
| 11           | Bhopal                            | 2                                      | 2.4                         |
| 12           | Gwalior                           | 2                                      | 2.4                         |
| 13           | Nagpur                            | 3                                      | 3.6                         |
| 14           | Navi Mumbai                       | 3                                      | 3.6                         |
| 15           | Ludhiana                          | 4                                      | 4.8                         |
| 16           | Amritsar                          | 4                                      | 4.8                         |
| 17           | Kota                              | 2                                      | 2.4                         |
| 18           | Jaipur                            | 2                                      | 2.4                         |
| 19           | Jodhpur                           | 2                                      | 2.4                         |
| 20           | Hyderabad                         | 5                                      | 5                           |
| 21           | Chandigarh                        | 2                                      | 2.4                         |
| 22           | Bangalore                         | 4                                      | 4.8                         |
| 23           | Dhanbad                           | 2                                      | 2.4                         |
| 24           | Twin city<br>Bhubanewar & Cuttack | 3                                      | 3.6                         |
| <b>Total</b> |                                   | <b>65</b>                              | <b>77</b>                   |

## Annexure II

## Status of ambient air quality monitoring stations where AQI is generated

| Sl. No. | State & UT        | Sl. No. | Cities / towns                |
|---------|-------------------|---------|-------------------------------|
| 1.      | Andhra Pradesh    | 1.      | Amaravati                     |
|         |                   | 2.      | Rajahmundry/Rajamahendravaram |
|         |                   | 3.      | Tirupati                      |
|         |                   | 4.      | Visakhapatnam                 |
| 2.      | Arunachal Pradesh | 5.      | Naharlagun                    |
| 3.      | Assam             | 6.      | Guwahati                      |
| 4.      | Bihar             | 7.      | Araria                        |
|         |                   | 8.      | Arrah                         |
|         |                   | 9.      | Aurangabad                    |
|         |                   | 10.     | Begusarai                     |
|         |                   | 11.     | Bettiah                       |
|         |                   | 12.     | Bhagalpur                     |
|         |                   | 13.     | Bihar Sharif                  |
|         |                   | 14.     | Buxar                         |
|         |                   | 15.     | Chhapra                       |
|         |                   | 16.     | Darbhanga                     |
|         |                   | 17.     | Gaya                          |
|         |                   | 18.     | Hajipur                       |
|         |                   | 19.     | Katihar                       |
|         |                   | 20.     | Kishanganj                    |
|         |                   | 21.     | Manguraha                     |
|         |                   | 22.     | Motihari                      |
|         |                   | 23.     | Munger                        |
|         |                   | 24.     | Muzaffarpur                   |
|         |                   | 25.     | Patna                         |
|         |                   | 26.     | Purnia                        |
|         |                   | 27.     | Rajgir                        |
| 28.     | Saharsa           |         |                               |
| 29.     | Samastipur        |         |                               |
| 30.     | Sasaram           |         |                               |
| 31.     | Siwan             |         |                               |
| 5.      | Chandigarh (UT)   | 32.     | Chandigarh                    |
| 6.      | Chattisgarh       | 33.     | Bilaspur                      |
|         |                   | 34.     | Durg-Bhillainagar             |
| 7.      | Delhi (UT)        | 35.     | Delhi                         |
| 8.      | Gujarat           | 36.     | Ahmedabad                     |
|         |                   | 37.     | Ankleshwar                    |
|         |                   | 38.     | Gandhinagar                   |
|         |                   | 39.     | Nandesari                     |

| Sl. No. | State & UT           | Sl. No. | Cities / towns          |
|---------|----------------------|---------|-------------------------|
|         |                      | 40.     | Vapi                    |
|         |                      | 41.     | Vatva                   |
| 9.      | Haryana              | 42.     | Ambala                  |
|         |                      | 43.     | Bahadurgarh             |
|         |                      | 44.     | Ballabgarh              |
|         |                      | 45.     | Bhiwani                 |
|         |                      | 46.     | CharkhiDadri            |
|         |                      | 47.     | Dharuhera               |
|         |                      | 48.     | Faridabad               |
|         |                      | 49.     | Fatehabad               |
|         |                      | 50.     | Gurgaon                 |
|         |                      | 51.     | Hissar                  |
|         |                      | 52.     | Jind                    |
|         |                      | 53.     | Kaithal                 |
|         |                      | 54.     | Karnal                  |
|         |                      | 55.     | Kurukshetra             |
|         |                      | 56.     | Mandikhera              |
|         |                      | 57.     | Manesar                 |
|         |                      | 58.     | Narnaul                 |
|         |                      | 59.     | Palwal                  |
|         |                      | 60.     | Panchukula Urban Estate |
|         |                      | 61.     | Panipat                 |
|         |                      | 62.     | Rohtak                  |
|         |                      | 63.     | Sirsa                   |
|         |                      | 64.     | Sonepat                 |
|         |                      | 65.     | Yamuna Nagar            |
| 10.     | Himachal Pradesh     | 66.     | Baddi                   |
| 11.     | Jammu & Kashmir (UT) | 67.     | Srinagar (K)            |
| 12.     | Jharkhand            | 68.     | Jorapokhar              |
| 13.     | Karnataka            | 69.     | Bagalkote               |
|         |                      | 70.     | Bangalore               |
|         |                      | 71.     | Bidar                   |
|         |                      | 72.     | Bijapur / Vijayapura    |
|         |                      | 73.     | Chamarajanagar          |
|         |                      | 74.     | Chikkaballapur          |
|         |                      | 75.     | Chikkamagaluru          |
|         |                      | 76.     | Devanagere              |
|         |                      | 77.     | Gadag                   |
|         |                      | 78.     | Gulbarga / Kalaburgi    |
|         |                      | 79.     | Hassan                  |
|         |                      | 80.     | Haveri                  |

| Sl. No. | State & UT     | Sl. No. | Cities / towns       |
|---------|----------------|---------|----------------------|
|         |                | 81.     | Hubli-Dharwad        |
|         |                | 82.     | Kolar                |
|         |                | 83.     | Koppal               |
|         |                | 84.     | Madikeri             |
|         |                | 85.     | Mangalore            |
|         |                | 86.     | Mysore               |
|         |                | 87.     | Raichur              |
|         |                | 88.     | Ramanagara           |
|         |                | 89.     | Shimoga / Shivamogga |
|         |                | 90.     | Udupi                |
|         |                | 91.     | Yadgir               |
| 14.     | Kerala         | 92.     | Eloor                |
|         |                | 93.     | Ernakulam            |
|         |                | 94.     | Kannur               |
|         |                | 95.     | Kochi                |
|         |                | 96.     | Kollam               |
|         |                | 97.     | Kozhikode            |
|         |                | 98.     | Thiruvananthapuram   |
|         |                | 99.     | Thrissur             |
| 15.     | Madhya Pradesh | 100.    | Bhopal               |
|         |                | 101.    | Damoh                |
|         |                | 102.    | Dewas                |
|         |                | 103.    | Gwalior              |
|         |                | 104.    | Indore               |
|         |                | 105.    | Jabalpur             |
|         |                | 106.    | Katni                |
|         |                | 107.    | Maihar               |
|         |                | 108.    | Mandideep            |
|         |                | 109.    | Pithampur            |
|         |                | 110.    | Ratlam               |
|         |                | 111.    | Sagar                |
|         |                | 112.    | Satna                |
|         |                | 113.    | Singrauli            |
|         |                | 114.    | Ujjain               |
| 16.     | Maharashtra    | 115.    | Chandrapur           |
|         |                | 116.    | Dombivali / Kalyan   |
|         |                | 117.    | Mumbai               |
|         |                | 118.    | Nagpur               |
|         |                | 119.    | Nashik               |
|         |                | 120.    | Navi Mumbai          |
|         |                | 121.    | Pune                 |
|         |                | 122.    | Solapur              |
|         |                | 123.    | Thane                |

| Sl. No. | State & UT       | Sl. No. | Cities / towns            |
|---------|------------------|---------|---------------------------|
|         |                  | 124.    | Vasai-virar               |
| 17.     | Manipur          | 125.    | Imphal                    |
| 18.     | Meghalaya        | 126.    | Shillong                  |
| 19.     | Mizoram          | 127.    | Aizwal                    |
| 20.     | Nagaland         | 128.    | Kohima                    |
| 21.     | Odisha           | 129.    | Brajrajnagar              |
|         |                  | 130.    | Talcher                   |
| 22.     | Pondicherry (UT) | 131.    | Pondicherry               |
| 23.     | Punjab           | 132.    | Amritsar                  |
|         |                  | 133.    | Bhatinda                  |
|         |                  | 134.    | GobindgarhMandiGobindgarh |
|         |                  | 135.    | Jalandhar                 |
|         |                  | 136.    | Khanna                    |
|         |                  | 137.    | Ludhiana                  |
|         |                  | 138.    | Patiala                   |
|         |                  | 139.    | Rupnagar                  |
| 24.     | Rajasthan        | 140.    | Ajmer                     |
|         |                  | 141.    | Alwar                     |
|         |                  | 142.    | Bhiwadi                   |
|         |                  | 143.    | Jaipur                    |
|         |                  | 144.    | Jodhpur                   |
|         |                  | 145.    | Kota                      |
|         |                  | 146.    | Pali                      |
|         |                  | 147.    | Udaipur                   |
| 25.     | Sikkim           | 148.    | Gangtok                   |
| 26.     | Tamilnadu        | 149.    | Chennai                   |
|         |                  | 150.    | Coimbatore                |
|         |                  | 151.    | Gummidipoondi             |
|         |                  | 152.    | Tuticorin / Thoothukudi   |
| 27.     | Telangana        | 153.    | Hyderabad                 |
|         |                  | 154.    | Patencheru                |
|         |                  | 155.    | Sangareddy                |
| 28.     | Tripura          | 156.    | Agartala                  |
| 29.     | Uttar Pradesh    | 157.    | Agra                      |
|         |                  | 158.    | Allahabad                 |
|         |                  | 159.    | Bagpat                    |
|         |                  | 160.    | Bareily                   |
|         |                  | 161.    | Bulandshahr               |
|         |                  | 162.    | Firozabad                 |
|         |                  | 163.    | Ghaziabad                 |
|         |                  | 164.    | Gorakhpur                 |
|         |                  | 165.    | Greater Noida             |

| <b>Sl. No.</b> | <b>State &amp; UT</b> | <b>Sl. No.</b> | <b>Cities / towns</b> |
|----------------|-----------------------|----------------|-----------------------|
|                |                       | 166.           | Hapur                 |
|                |                       | 167.           | Jhansi                |
|                |                       | 168.           | Kanpur                |
|                |                       | 169.           | Khurja                |
|                |                       | 170.           | Lucknow               |
|                |                       | 171.           | Meerut                |
|                |                       | 172.           | Moradabad             |
|                |                       | 173.           | Muzaffarnagar         |
|                |                       | 174.           | Noida                 |
|                |                       | 175.           | Varanasi              |
|                |                       | 176.           | Vrindavan             |
| 30.            | Uttarakhand           | 177.           | Dehradun              |
| 31.            | West Bengal           | 178.           | Asansol               |
|                |                       | 179.           | Durgapur              |
|                |                       | 180.           | Haldia                |
|                |                       | 181.           | Howrah                |
|                |                       | 182.           | Kolkata               |
|                |                       | 183.           | Siliguri              |



**Annexure – III**

**Criteria for designing the ambient air quality monitoring network**

| <b>Population (Census 2011)</b> | <b>Minimum No. of manual station under NAMP</b>  | <b>Minimum no of proposed CAAQMS</b>   | <b>Total</b> |
|---------------------------------|--|--|--------------|
| 1,00,000-<br>< 5,00,000         | 1-Background<br>2-Residential/ Commercial  | 1-Residential  | 4            |
| 5,00,000-<br><10,00,000         | 1-Background<br>2-Residential/<br>Commercial   | 1-Residential<br>1-Traffic dominant area<br>1- Commercial                      | 6            |
| 10,00,000-<br><50,00,000        | 1-Background<br>2-Residential/ Commercial  | 2-Residential<br>1-Traffic dominant area<br>1- Commercial<br>1-Industrial area | 8            |
| ≥50,00,000                      | 1-Background in upwind direction<br>1-Background in down wind direction<br>2-Residential/ Commercial | 4-Residential<br>3-Traffic dominant area<br>3- Commercial<br>2-Industrial area | 16           |