

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI
Original Application No. 1233 of 2024**

In the matter of:

News Item titled "Heavy metals in PM 2.5 New Study reveals air quality concerns in East Delhi" appearing in the Times of India dated 29.09.2024

**REPLY AFFIDAVIT ON BEHALF OF RESPONDENT NO. 3
CENTRAL POLLUTION CONTROL BOARD (CPCB) IN
PURSUANT TO ORDER DATED 06.02.2025 PASSED BY THIS
HON'BLE TRIBUNAL.**

MOST RESPECTFULLY SHOWETH:

1. That this Hon'ble Tribunal has taken up Suo Motu cognizance in the instant matter which is based on the news item titled "*Heavy metals in PM 2.5 New Study reveals air quality concerns in East Delhi*" appearing in the Times of India dated 29.09.2024".
2. That the Hon'ble NGT (PB) in the matter of OA No. 1233 of 2024 titled "News Item titled "Heavy metals in PM25 New Study reveals air quality concerns in East Delhi" appearing in the Times of India dated 29.09.2024", issued an order dated 15.05.2025, wherein Para No.06 inter alia states that:

"The CPCB is directed to disclose the above details in the form of affidavit of the Competent Officer and also respond to the



observations which have been made in this order. Let this affidavit be filed within four weeks."

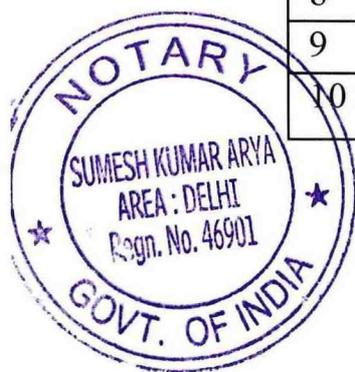
3. Therefore, in pursuance to this Order dated 15.05.2025, the answering Respondent CPCB herein humbly submits that ambient air quality monitoring with respect to particulate matter (PM10) and metals under consideration, namely Zinc, Chromium, Copper, and Molybdenum was undertaken at ten (10) metropolitan cities across the country i.e. Jaipur, Bhopal, Lucknow, Ahmedabad, Delhi, Nagpur, Kolkata, Bengaluru, Visakhapatnam and Chennai to assess the current levels of these parameters in the ambient air.

The monitoring was carried out through SPCBs, during June–July, 2025 at forty (40) locations falling under different activity profiles viz. industrial, commercial, residential, transport etc. in above mentioned ten (10) cities to have 16 observations (24hr) in each of the city.

4. That the location-wise monitoring results are detailed at **Annexure-I**, and mean values observed in the cities are summarized as below:

| S.No. | City | PM10 | Cu | Cr | Mo | Zn |
|-------|---------------|--------------------------|------------------------|--------|------|--------|
| | | $\mu\text{g}/\text{m}^3$ | ng/m^3 | | | |
| 1 | Jaipur | 94.44 | 13.33 | 3.47 | 0.14 | 100.2 |
| 2 | Bhopal | 51.59 | 51.19 | 114.57 | 0.14 | 547.5 |
| 3 | Lucknow | 140.25 | 25.18 | 11.04 | 0.59 | 264.3 |
| 4 | Ahmedabad | 87.47 | 37.69 | 5.54 | 0.94 | 1774.3 |
| 5 | Delhi | 130.06 | 55.13 | 12.25 | 0.91 | 243.5 |
| 6 | Nagpur | 71.64 | 9.26 | 8.20 | 0.43 | 411.4 |
| 7 | Kolkata | 23.19 | 7.66 | 0.93 | 0.14 | 28.79 |
| 8 | Bengaluru | 66.50 | 63.77 | 5.53 | 0.14 | 167.9 |
| 9 | Visakhapatnam | 75.25 | 8.51 | 10.18 | 0.30 | - |
| 10 | Chennai | 61.06 | 9.87 | 15.43 | 1.55 | 41.79 |

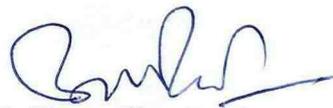
Note:- $1 \mu\text{g}/\text{m}^3 = 1000 \text{ng}/\text{m}^3$



5. That it is humbly submitted that the above results indicate that these metal parameters are generally found bound to Particulate Matter (PM₁₀) in the ambient air and percentage fraction of these metal parameters in PM₁₀ found to be ranging in between 0.1% to 2.1%. Therefore, reduction in PM concentrations should in turn lower the levels of these parameters in ambient air.
6. That it is humbly submitted that nation-wide programme National Clean Air Programme (NCAP), launched in 2019 by the Ministry of Environment, Forest and Climate Change, targets up to a 40% reduction in PM₁₀ levels or attainment of NAAQS (60 µg/m³) by 2025-26, over the 2017-18 baseline. It seeks to improve air quality in non-attainments and million-plus cities.

As of 2024-25, 95 cities have recorded a reduction in PM₁₀ concentrations, including 59 cities with reductions above 20%, 20 cities above 40%, and 17 cities that have achieved the prescribed NAAQS.

7. That, the answering respondent no. 3 craves leave of the Hon'ble Tribunal to file additional reply, if required, in future.
8. That, in the light of the above submissions, it is respectfully submitted that this Answering Respondent, i.e., CPCB, shall abide by any order(s) or direction(s) passed by this Hon'ble Court in the instant OA.


(Aditya Sharma)
Scientist 'E'

Central Pollution Control Board



**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI
Original Application No. 1233 of 2024**

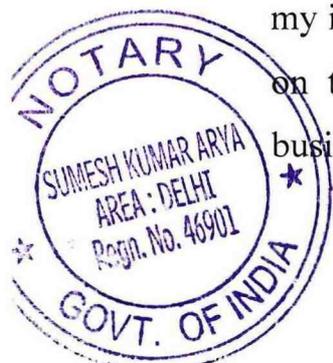
In the matter of:

News Item titled "Heavy metals in PM 2.5 New Study reveals air quality concerns in East Delhi" appearing in the Times of India dated 29.09.2024

AFFIDAVIT

I, **Aditya Sharma** working as Scientist 'E' in Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi, the Respondent No. 3 in the above matter, do hereby solemnly affirm, declare on oath and state as under: -

1. That I, the deponent herein is authorized representative to represent the Respondent CPCB in the present case, and as such, I am well conversant with the facts and circumstances of the present case on the basis of the information derived from the official records, and hence, I am competent and authorized to verify, sign and swear this affidavit on behalf of the Respondent CPCB.
2. That the accompanying reply may be read part and parcel of the present affidavit.
3. That the accompanying reply has been drafted and filed under my instructions and authority the contents thereof are true and correct on the basis of the record maintained during ordinary course of business of CPCB and available records and documents and the



contents of the same are read over and explained to me and are not repeated herein for the sake of brevity.



DEPONENT

आदित्य शर्मा / Aditya Sharma
वैज्ञानिक "ई" / Scientist "E"
केन्द्रीय प्रदूषण नियंत्रण बोर्ड
Central Pollution Control Board
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार
Mo Env. Forest & Climate Change, Govt. of India
परिवेश भवन, पूर्वी अर्जुन नगर
Parvesh Bhawan, East Arjun Nagar
दिल्ली / Delhi-110032

VERIFICATION

24 SEP 2025

Verified at New Delhi on this day of _____ 2025 that the contents of the above reply are correct and true on the basis of the records of the case as mentioned in the day-to-day affairs of the CPCB. Nothing has been concealed therefrom or mis- stated.



DEPONENT

आदित्य शर्मा / Aditya Sharma
वैज्ञानिक "ई" / Scientist "E"
केन्द्रीय प्रदूषण नियंत्रण बोर्ड
Central Pollution Control Board
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार
Mo Env. Forest & Climate Change, Govt. of India
परिवेश भवन, पूर्वी अर्जुन नगर
Parvesh Bhawan, East Arjun Nagar
दिल्ली / Delhi-110032

ATTESTED

NOTARY PUBLIC, DELHI
GOVT. OF INDIA

24 SEP 2025



Day wise results of ambient air quality monitoring (with respect to PM₁₀ and metals Copper, Chromium, Molybdenum and Zinc) conducted across ten (10) metropolitan Indian cities.

| S.No. | City | Date | Location | PM ₁₀ | Cu | Cr | Mo | Zn |
|-------|--------|------------|--|-------------------|--|--------|-----|--------|
| | | | | µg/m ³ | ng/m ³ (1 µg/m ³ = 1000 ng/m ³) | | | |
| 1 | Jaipur | 24-06-2025 | RIICO Office Baise Godam, Jaipur | 74 | 4.91 | 4.68 | BDL | 96.33 |
| | | 25-06-2025 | V.K.I.A., Sikar Road, Jaipur | 180 | 8.33 | 3.67 | BDL | 143.17 |
| | | 02-07-2025 | V.K.I.A., Sikar Road, Jaipur | 121 | 19.20 | 4.21 | BDL | 367.87 |
| | | 05-07-2025 | V.K.I.A., Sikar Road, Jaipur | 111 | 5.81 | 1.96 | BDL | 119.54 |
| | | 09-07-2025 | V.K.I.A., Sikar Road, Jaipur | 108 | 4.08 | 1.46 | BDL | 171.65 |
| | | 03-07-2025 | RSPCB Office, Jhalana Doongri, Jaipur | 53 | 6.49 | 1.82 | BDL | 34.57 |
| | | 07-07-2025 | RSPCB Office, Jhalana Doongri, Jaipur | 64 | 4.14 | 1.38 | BDL | 21.93 |
| | | 10-07-2025 | RSPCB Office, Jhalana Doongri, Jaipur | 55 | 3.35 | 1.22 | BDL | 19.62 |
| | | 14-07-2025 | RSPCB Office, Jhalana Doongri, Jaipur | 39 | 2.84 | 0.37 | BDL | 16.42 |
| | | 03-07-2025 | Nagar Nigam Office, Mansarovar, Jaipur | 100 | 11.27 | 1.56 | BDL | 30.01 |
| | | 07-07-2025 | Nagar Nigam Office, Mansarovar, Jaipur | 90 | 9.77 | 1.35 | BDL | 82.19 |
| | | 10-07-2025 | Nagar Nigam Office, Mansarovar, Jaipur | 104 | 7.60 | 1.23 | BDL | 26.63 |
| | | 14-07-2025 | Nagar Nigam Office, Mansarovar, Jaipur | 66 | 9.51 | 1.68 | BDL | 35.52 |
| | | 01-07-2025 | RIICO Office Baise Godam, Jaipur | 104 | 41.16 | 8.38 | BDL | 167.30 |
| | | 04-07-2025 | RIICO Office Baise Godam, Jaipur | 92 | 31.05 | 7.01 | BDL | 110.25 |
| | | 08-07-2025 | RIICO Office Baise Godam, Jaipur | 150 | 43.77 | 13.53 | BDL | 161.41 |
| 2 | Bhopal | 16-06-2025 | CETP Govindpura, Bhopal | 67.23 | 95.00 | 450.00 | BDL | BDL |
| | | 17-06-2025 | CETP Govindpura, Bhopal | 59 | 92.30 | 286.00 | BDL | BDL |
| | | 26-06-2025 | Mrignayani Emporiyam Hamidia Road Bhopal | 71.28 | 62.00 | BDL | BDL | 568.00 |
| | | 28-06-2025 | Mrignayani Emporiyam Hamidia Road Bhopal | 71.17 | 173.00 | 44.00 | BDL | BDL |
| | | 25-06-2025 | Kolar Road | 48.1 | 37.00 | BDL | BDL | 519.00 |
| | | 28-06-2025 | Kolar Road | 45.39 | 9.90 | BDL | BDL | BDL |

Note. BDL – Below Detection Limit: Cu: 0.0243 ng/m³, Cr: 0.0243 ng/m³, Mo: 0.1389 ng/m³, Zn: 0.041 ng/m³

| S.No. | City | Date | Location | PM ₁₀ | Cu | Cr | Mo | Zn |
|------------|----------------------|------------|--|-------------------|--|---------|------|---------|
| | | | | µg/m ³ | ng/m ³ (1 µg/m ³ = 1000 ng/m ³) | | | |
| | Bhopal | 25-06-2025 | Sarathi Hospital Hoshangabad Road | 47.19 | 115.00 | 250.00 | BDL | 36.00 |
| | | 27-06-2025 | Sarathi Hospital Hoshangabad Road | 49.36 | 83.00 | 205.00 | BDL | 990.00 |
| | | 01-07-2025 | CETP Govindpura, Bhopal | 48.97 | 22.00 | 88.00 | BDL | 692.00 |
| | | 02-07-2025 | CETP Govindpura, Bhopal | 40.48 | 16.00 | 102.00 | BDL | 934.00 |
| | | 01-07-2025 | Mrignayani Emporiyam Hamidia Road Bhopal | 56.3 | 23.00 | 75.00 | BDL | 771.00 |
| | | 03-07-2025 | Mrignayani Emporiyam Hamidia Road Bhopal | 60.32 | 19.00 | 76.00 | BDL | 720.00 |
| | | 03-07-2025 | Kolar Road | 50.14 | 19.90 | 31.00 | BDL | 1078.00 |
| | | 04-07-2025 | Kolar Road | 34.04 | 23.00 | 30.00 | BDL | 800.00 |
| | | 01-07-2025 | Sarathi Hospital Hoshangabad Road | 41.57 | 11.00 | 86.00 | BDL | 753.00 |
| | | 04-07-2025 | Sarathi Hospital Hoshangabad Road | 34.95 | 18.00 | 110.00 | BDL | 900.00 |
| 3 | | Ahmedabad | 07-07-2025 | LD Engg. College | 41.32 | 45.00 | 3.55 | 0.33 |
| | 08-07-2025 | | LD Engg. College | 56.85 | 33.00 | 2.22 | 0.27 | 1070.00 |
| | 14-07-2025 | | LD Engg. College | 52.43 | 36.00 | 5.70 | 0.15 | 2040.00 |
| | 15-07-2025 | | LD Engg. College | 76.08 | 18.00 | 2.30 | BDL | 1690.00 |
| | 07-07-2025 | | School for Deaf-Mute Society | 116.8 | 24.00 | 4.50 | 1.12 | 1700.00 |
| | 08-07-2025 | | School for Deaf-Mute Society | 65.06 | 5.00 | 1.26 | 1.05 | 2440.00 |
| | 14-07-2025 | | School for Deaf-Mute Society | 93.16 | 11.00 | 2.95 | 0.55 | 3130.00 |
| | 15-07-2025 | | School for Deaf-Mute Society | 42.73 | 5.00 | 0.07 | BDL | 30.00 |
| | 07-07-2025 | | Sat. Pumping Stn. | 122.74 | 90.00 | 10.22 | 1.41 | 2290.00 |
| | 08-07-2025 | | Sat. Pumping Stn. | 97.17 | 71.00 | 7.39 | 0.65 | 1840.00 |
| | 14-07-2025 | | Sat. Pumping Stn. | 89.99 | 58.00 | 6.33 | 0.95 | 1630.00 |
| | 15-07-2025 | | Sat. Pumping Stn. | 76.33 | 35.00 | 3.89 | 0.21 | 540.00 |
| | 07-07-2025 | | Vatva Ind. Ass. Hall | 130.22 | 46.00 | 7.81 | 1.74 | 1960.00 |
| | 08-07-2025 | | Vatva Ind. Ass. Hall | 121.45 | 37.00 | 5.23 | 1.52 | 2140.00 |
| | 14-07-2025 | | Vatva Ind. Ass. Hall | 105.86 | 52.00 | 12.16 | 2.80 | 2980.00 |
| 15-07-2025 | Vatva Ind. Ass. Hall | 111.3 | 37.00 | 13.01 | 1.96 | 1710.00 | | |

Note. BDL – Below Detection Limit: Cu: 0.0243 ng/m³, Cr: 0.0243 ng/m³, Mo: 0.1389 ng/m³, Zn: 0.041 ng/m³

| S.No. | City | Date | Location | PM ₁₀ | Cu | Cr | Mo | Zn |
|------------|----------|------------|--------------------------|-------------------|--|--------|------|---------|
| | | | | µg/m ³ | ng/m ³ (1 µg/m ³ = 1000 ng/m ³) | | | |
| 4 | Delhi | 18-06-2025 | Pitampura | 187 | 125.00 | 6.00 | BDL | 342.00 |
| | | 26-06-2025 | Pitampura | 120 | 70.00 | 33.00 | 2.00 | 326.00 |
| | | 18-06-2025 | Sirifort | 160 | 23.00 | 2.00 | BDL | 166.00 |
| | | 26-06-2025 | Sirifort | 111 | 30.00 | 2.00 | BDL | 214.00 |
| | | 17-06-2025 | Janakpuri | 137 | 28.00 | 4.00 | BDL | 128.00 |
| | | 25-06-2025 | Janakpuri | 127 | 13.00 | 1.00 | BDL | 127.00 |
| | | 18-06-2025 | Shahdara | 222 | 111.00 | 3.00 | BDL | 265.00 |
| | | 26-06-2025 | Shahdara | 128 | 4.00 | 10.00 | 3.00 | 313.00 |
| | | 02-07-2025 | Pitampura | 94 | 111.00 | 45.00 | 1.00 | 323.00 |
| | | 10-07-2025 | Pitampura | 70 | 36.00 | 11.00 | BDL | 194.00 |
| | | 02-07-2025 | Sirifort | 64 | 13.00 | 10.00 | BDL | 184.00 |
| | | 10-07-2025 | Sirifort | 56 | 13.00 | 11.00 | BDL | 136.00 |
| | | 03-07-2025 | Janakpuri | 206 | 45.00 | 15.00 | BDL | 315.00 |
| | | 11-07-2025 | Janakpuri | 136 | 33.00 | 11.00 | BDL | 245.00 |
| | | 02-07-2025 | Shahdara | 97 | 132.00 | 17.00 | 3.00 | 319.00 |
| 10-07-2025 | Shahdara | 166 | 95.00 | 15.00 | 4.00 | 300.00 | | |
| 5 | Nagpur | 28-06-2025 | Udyog Bhavan | 42 | 5.70 | 5.70 | 2.80 | 122.00 |
| | | 28-06-2025 | Institute of Engineering | 38 | 8.10 | 33.10 | BDL | 130.00 |
| | | 28-06-2025 | MIDC Hingana | 69 | 15.70 | 14.90 | BDL | 484.00 |
| | | 28-06-2025 | Government Polytechnic | 43 | 8.10 | | BDL | 109.00 |
| | | 30-06-2025 | Udyog Bhavan | 41 | 7.00 | 5.70 | BDL | 475.00 |
| | | 30-06-2025 | Institute of Engineering | 39.2 | 13.10 | 11.00 | BDL | 125.00 |
| | | 30-06-2025 | MIDC Hingana | 66 | 10.40 | 13.30 | BDL | 1678.00 |
| | | 30-06-2025 | Government Polytechnic | 90 | 5.90 | 18.70 | BDL | 147.00 |
| | | 11-07-2025 | Udyog Bhavan | 40 | 5.10 | 0.60 | BDL | 134.00 |
| | | 18-07-2025 | Institute of Engineering | 98 | 4.20 | 0.40 | BDL | 104.00 |

Note. BDL – Below Detection Limit: Cu: 0.0243 ng/m³, Cr: 0.0243 ng/m³, Mo: 0.1389 ng/m³, Zn: 0.041 ng/m³

| S.No. | City | Date | Location | PM ₁₀ | Cu | Cr | Mo | Zn |
|------------|-----------|------------|--------------------------|-------------------|--|-------|------|---------|
| | | | | µg/m ³ | ng/m ³ (1 µg/m ³ = 1000 ng/m ³) | | | |
| | Nagpur | 11-07-2025 | MIDC Hingana | 105 | 13.60 | 9.00 | 2.10 | 1432.00 |
| | | 11-07-2025 | Government Polytechnic | 120 | 19.30 | 2.80 | BDL | 116.00 |
| | | 14-07-2025 | Udyog Bhavan | 58 | 4.20 | BDL | BDL | 394.00 |
| | | 22-07-2025 | Institute of Engineering | 98 | 5.40 | 0.40 | BDL | 141.00 |
| | | 14-07-2025 | MIDC Hingana | 106 | 14.20 | 6.80 | BDL | 797.00 |
| | | 14-07-2025 | Government Polytechnic | 93 | 8.10 | 0.60 | BDL | 195.00 |
| 6 | Kolkata | 03-07-2025 | Gariahat | 21 | 3.50 | 0.20 | BDL | 24.30 |
| | | 24-07-2025 | Gariahat | 41 | 1.90 | 0.60 | BDL | 13.00 |
| | | 30-07-2025 | Gariahat | 16 | 3.40 | 0.70 | BDL | 39.90 |
| | | 12-08-2025 | Gariahat | 32 | 21.40 | 1.40 | BDL | 67.80 |
| | | 03-07-2025 | Picnic Garden | 22 | 22.40 | 1.70 | BDL | 40.90 |
| | | 24-07-2025 | Picnic Garden | 23 | 11.60 | 0.90 | BDL | 46.50 |
| | | 30-07-2025 | Picnic Garden | 21 | 2.20 | 0.70 | BDL | 37.90 |
| | | 12-08-2025 | Picnic Garden | 15 | 3.50 | 0.90 | BDL | 20.40 |
| | | 03-07-2025 | Ultadanga | 16 | 1.20 | 0.90 | BDL | 8.50 |
| | | 24-07-2025 | Ultadanga | 35 | 38.00 | 1.80 | BDL | |
| | | 30-07-2025 | Ultadanga | 23 | 1.10 | 0.40 | BDL | 9.30 |
| | | 12-08-2025 | Ultadanga | 18 | 3.30 | 1.60 | BDL | 29.90 |
| | | 03-07-2025 | Moulali | 29 | 0.70 | 0.80 | BDL | 4.90 |
| | | 24-07-2025 | Moulali | 21 | 3.00 | 0.60 | BDL | 40.10 |
| 30-07-2025 | Moulali | 20 | 1.00 | 0.30 | BDL | 8.50 | | |
| 12-08-2025 | Moulali | 18 | 4.40 | 1.30 | BDL | 39.90 | | |
| 7 | Bengaluru | 28-06-2025 | CPCB | 87 | 9.95 | 2.90 | BDL | 50.72 |
| | | 27-06-2025 | Yeshwanthpura | 141 | 31.38 | 0.14 | BDL | 130.25 |
| | | 27-06-2025 | Victoria Hospital | 43 | 59.54 | 3.80 | BDL | 105.11 |
| | | 27-06-2025 | Peenya | 42 | 33.79 | 1.20 | BDL | 150.64 |

Note. BDL – Below Detection Limit: Cu: 0.0243 ng/m³, Cr: 0.0243 ng/m³, Mo: 0.1389 ng/m³, Zn: 0.041 ng/m³

| S.No. | City | Date | Location | PM ₁₀ | Cu | Cr | Mo | Zn |
|-------|------------|---------------|--|---|--|-------|-------|--------|
| | | | | µg/m ³ | ng/m ³ (1 µg/m ³ = 1000 ng/m ³) | | | |
| | Bengaluru | 30-06-2025 | CPCB | 46 | 18.30 | 5.96 | BDL | 56.55 |
| | | 30-06-2025 | Yeshwanthpura | 161 | 33.17 | 0.54 | BDL | 72.84 |
| | | 30-06-2025 | Victoria Hospital | 39 | 21.16 | 6.24 | BDL | 67.68 |
| | | 30-06-2025 | Peenya | 35 | 41.00 | 1.20 | BDL | 84.40 |
| | | 16-07-2025 | CPCB | 45 | 21.59 | 4.81 | BDL | 224.80 |
| | | 17-07-2025 | Yeshwanthpura | 85 | 111.92 | 7.58 | BDL | 244.13 |
| | | 17-07-2025 | Victoria Hospital | 32 | 40.96 | 14.51 | BDL | 123.55 |
| | | 17-07-2025 | Peenya | 35 | 113.51 | 7.35 | BDL | 233.04 |
| | | 18-07-2025 | CPCB | 50 | 241.82 | 18.64 | BDL | 251.77 |
| | | 19-07-2025 | Yeshwanthpura | 131 | 165.40 | 5.97 | BDL | 486.58 |
| | | 19-07-2025 | Victoria Hospital | 59 | 17.49 | 3.93 | BDL | 171.23 |
| | | 19-07-2025 | Peenya | 33 | 59.43 | 3.74 | BDL | 233.71 |
| 8 | | Visakhapatnam | 20-06-2025 | AMG-Ruth Deichmann Hospital, Nakkavanipalem, Seetammadhara, Visakhapatnam | 105 | 8.31 | 11.36 | 0.14 |
| | 28-06-2025 | | AMG-Ruth Deichmann Hospital, Nakkavanipalem, Seetammadhara, Visakhapatnam | 59 | 7.93 | 15.16 | BDL | |
| | 05-07-2025 | | AMG-Ruth Deichmann Hospital, Nakkavanipalem, Seetammadhara, Visakhapatnam | 94 | 6.21 | 6.59 | 0.64 | |
| | 08-07-2025 | | AMG-Ruth Deichmann Hospital, Nakkavanipalem, Seetammadhara, Visakhapatnam | 54 | 8.38 | 12.09 | 1.41 | |
| | 20-06-2025 | | GVMC Building, 4th Zone, Near Bishop K Mariyadas Communicy Hall Kalyanamandapam, Gnanapuram, Visakhapatnam | 64 | 9.32 | 13.88 | 0.95 | |
| | 28-06-2025 | | GVMC Building, 4th Zone, Near Bishop K Mariyadas Communicy Hall Kalyanamandapam, Gnanapuram, Visakhapatnam | 49 | 6.35 | 8.34 | BDL | |
| | 05-07-2025 | | GVMC Building, 4th Zone, Near Bishop K Mariyadas Communicy Hall Kalyanamandapam, Gnanapuram, Visakhapatnam | 72 | 4.43 | 6.59 | BDL | |

Note. BDL – Below Detection Limit: Cu: 0.0243 ng/m³, Cr: 0.0243 ng/m³, Mo: 0.1389 ng/m³, Zn: 0.041 ng/m³

| S.No. | City | Date | Location | PM ₁₀ | Cu | Cr | Mo | Zn |
|---------------|---------------|------------|--|-------------------|--|--------|--------|---|
| | | | | µg/m ³ | ng/m ³ (1 µg/m ³ = 1000 ng/m ³) | | | |
| Visakhapatnam | Visakhapatnam | 08-07-2025 | GVMC Building, 4th Zone, Near Bishop K Mariyadas Communicy Hall Kalyanamandapam, Gnanapuram, Visakhapatnam | 106 | 5.13 | 6.06 | BDL | Results are discarded as APPCB reported the ambiguity in the concentration of Zinc measured, both in blank and samples. |
| | | 20-06-2025 | Police Commissioner Office Complex, 4 roads Junction, Police Barracks, Visakhapatnam | 99 | 13.40 | 14.42 | BDL | |
| | | 28-06-2025 | Police Commissioner Office Complex, 4 roads Junction, Police Barracks, Visakhapatnam | 42 | 10.66 | 10.54 | BDL | |
| | | 05-07-2025 | Police Commissioner Office Complex, 4 roads Junction, Police Barracks, Visakhapatnam | 57 | 4.12 | 6.05 | BDL | |
| | | 08-07-2025 | Police Commissioner Office Complex, 4 roads Junction, Police Barracks, Visakhapatnam | 165 | 19.52 | 10.20 | BDL | |
| | | 20-06-2025 | Gudivada Appanna Kalyanamandapam, Plot No. 4/94, Minidi, Gajuwaka, Visakhapatnam | 78 | 11.75 | 15.35 | BDL | |
| | | 28-06-2025 | Gudivada Appanna Kalyanamandapam, Plot No. 4/94, Minidi, Gajuwaka, Visakhapatnam | 41 | 7.32 | 8.35 | BDL | |
| | | 05-07-2025 | Gudivada Appanna Kalyanamandapam, Plot No. 4/94, Minidi, Gajuwaka, Visakhapatnam | 45 | 5.40 | 6.94 | BDL | |
| | | 08-07-2025 | Gudivada Appanna Kalyanamandapam, Plot No. 4/94, Minidi, Gajuwaka, Visakhapatnam | 74 | 7.86 | 10.92 | BDL | |
| 9 | Chennai | 20-06-2025 | Adyar | 50 | 8.517 | 25.208 | 2.431 | 16.458 |
| | | 24-06-2025 | Adyar | 53 | 21.851 | 19.583 | 0.625 | 113.819 |
| | | 01-07-2025 | Adyar | 53 | 11.781 | 21.250 | 0.903 | 37.639 |
| | | 04-07-2025 | Adyar | 51 | 16.990 | 24.653 | 2.292 | 73.750 |
| | | 20-06-2025 | Anna Nagar | 53 | 9.003 | | 0.903 | 7.847 |
| | | 24-06-2025 | Anna Nagar | 55 | 12.753 | 17.639 | BDL | 75.556 |
| | | 01-07-2025 | Anna Nagar | 58 | 9.628 | 25.625 | 1.736 | 20.903 |
| | | 04-07-2025 | Anna Nagar | 56 | 13.656 | 23.056 | 0.903 | 63.194 |
| | | 21-06-2025 | Nungambakkam | 58 | 3.448 | 5.972 | BDL | 0.041 |
| | | 23-06-2025 | Nungambakkam | 66 | 2.059 | 3.681 | 12.500 | 140.347 |
| | | 02-07-2025 | Nungambakkam | 67 | 12.128 | 21.111 | BDL | 21.458 |
| 07-07-2025 | Nungambakkam | 62 | 11.781 | 7.292 | BDL | 22.569 | | |

Note. BDL – Below Detection Limit: Cu: 0.0243 ng/m³, Cr: 0.0243 ng/m³, Mo: 0.1389 ng/m³, Zn: 0.041 ng/m³

| S.No. | City | Date | Location | PM ₁₀ | Cu | Cr | Mo | Zn |
|-------|---------|------------|-------------|-------------------|--|--------|------|--------|
| | | | | µg/m ³ | ng/m ³ (1 µg/m ³ = 1000 ng/m ³) | | | |
| | Chennai | 20-06-2025 | Manali | 75 | 6.365 | 13.611 | | 3.125 |
| | | 23-06-2025 | Manali | 73 | 11.712 | 12.847 | BDL | 68.542 |
| | | 02-07-2025 | Manali | 75 | 0.024 | 0.024 | BDL | 3.333 |
| | | 07-07-2025 | Manali | 72 | 6.156 | 9.931 | BDL | 0.041 |
| 10 | Lucknow | 24-06-2025 | Hazratganj | 131.57 | 71.70 | 13.90 | BDL | 271.00 |
| | | 27-06-2025 | Hazratganj | 152.1 | 104.00 | 51.60 | BDL | 317.00 |
| | | 24-06-2025 | Talkatora | 117.73 | 26.70 | 41.00 | BDL | 199.00 |
| | | 27-06-2025 | Talkatora | 135.43 | 30.00 | 16.50 | BDL | 232.00 |
| | | 25-06-2025 | Gomti Nagar | 129.37 | 0.57 | BDL | BDL | 63.90 |
| | | 28-06-2025 | Gomti Nagar | 131.03 | 7.77 | 3.61 | BDL | 108.00 |
| | | 26-06-2025 | Aliganj | 160.87 | 3.08 | BDL | BDL | 57.30 |
| | | 30-06-2025 | Aliganj | 132.57 | BDL | BDL | BDL | 57.70 |
| | | 01.07.2025 | Hazratganj | 155.83 | 35.00 | 8.00 | 2.00 | 442.00 |
| | | 04.07.2025 | Hazratganj | 162.8 | 27.00 | 6.00 | 1.00 | 367.00 |
| | | 01.07.2025 | Talkatora | 141 | 26.00 | 11.00 | 1.00 | 338.00 |
| | | 04.07.2025 | Talkatora | 125.8 | BDL | BDL | BDL | 323.00 |
| | | 02.07.2025 | Gomti Nagar | 129.8 | 13.00 | 6.00 | 2.00 | 319.00 |
| | | 05.07.2025 | Gomti Nagar | 131.83 | 14.00 | 7.00 | 1.00 | 301.00 |
| | | 03.07.2025 | Aliganj | 144.7 | 36.00 | 6.00 | 1.00 | 336.00 |
| | | 07.07.2025 | Aliganj | 161.5 | 8.00 | 6.00 | BDL | 497.00 |

Note. BDL – Below Detection Limit: Cu: 0.0243 ng/m³, Cr: 0.0243 ng/m³, Mo: 0.1389 ng/m³, Zn: 0.041 ng/m³