

## Air Pollution – Brief Analysis for October 2023

With the end of monsoon season, Air pollution has started deteriorating in the country esp. in the northern part of the country. Air pollution is a big issue and needs to be handled urgently. Air sheds which stretch across geographical boundaries need to be understood and plans made. Every stakeholder needs to ensure that all plans which have been made are implemented rigorously and any violation is strictly punished irrespective of politics. Air pollution impacts both rich and poor and it is imperative that steps are taken urgently. Use of purifiers and masks are the last resort and these options are not available to everyone. Pollution hotspots and sources are known, numerous source apportionment studies have been done. Instead of laying blame on one another, it is necessary to tackle the root cause of the problem urgently for the sake of everyone so that air quality improves all year round.

Below is a brief representation of data captured by portable devices installed in multiple locations in Korba and Delhi. The analysis has been done for two reporting periods – 1 October to 31 October 2023 and Jan 2022 to October 2023.

### Section 1 – Data Analysis for period Jan 2022 to October 2023

| Monthly Average AQI - Different Cities |        |        |        |        |        |        |        |        |        |        |        |        |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|  | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 | Oct-22 | Nov-22 | Dec-22 |
| Korba                                  | 344    | 239    | 304    | 256    | 102    | 118    | 72     | 80     | 93     | 204    | 320    | 318    |
| Delhi                                  | 355    | 303    | 218    | 133    | 98     | 75     | 71     | 67     | 85     | 323    | 380    | 372    |
| Ranchi                                 |        |        |        |        |        |        | 200    | 81     | 77     | 159    | 158    | 198    |

| Monthly Average AQI - Different Cities |        |        |        |        |        |        |        |        |        |        |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|  | Jan-23 | Feb-23 | Mar-23 | Apr-23 | May-23 | Jun-23 | Jul-23 | Aug-23 | Sep-23 | Oct-23 |
| Korba                                  | 319    | 283    | 245    | 197    | 124    | 94     | 63     | 67     | 88     | 160    |
| Delhi                                  | 412    | 328    | 198    | 125    | 124    | 71     | 80     | 62     | 85     | 264    |

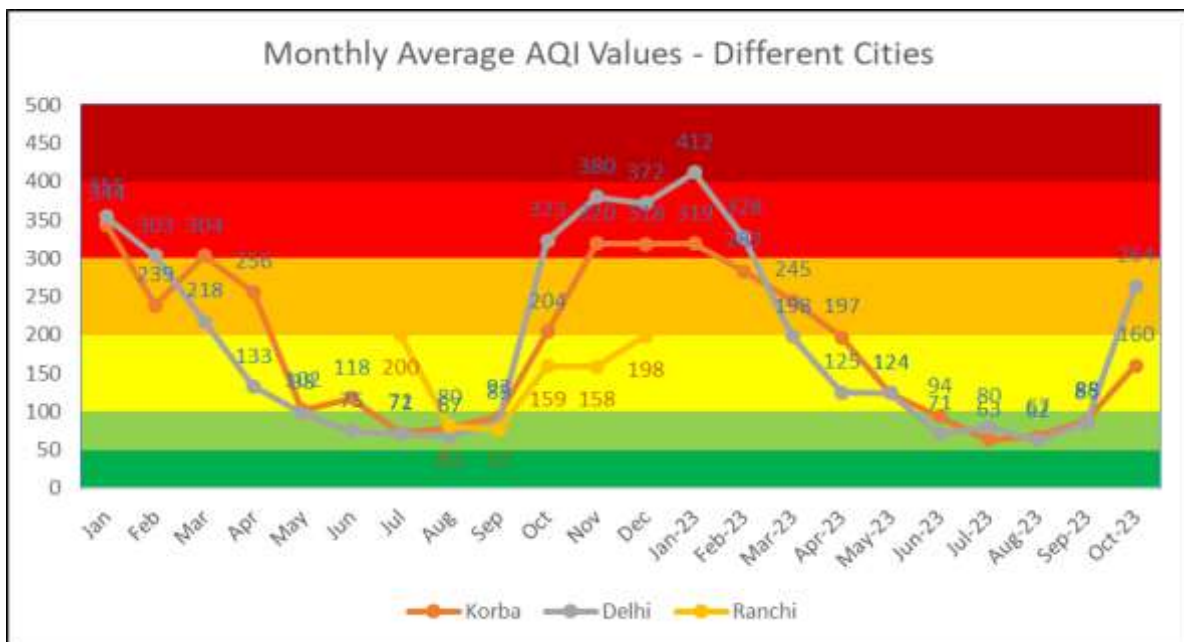
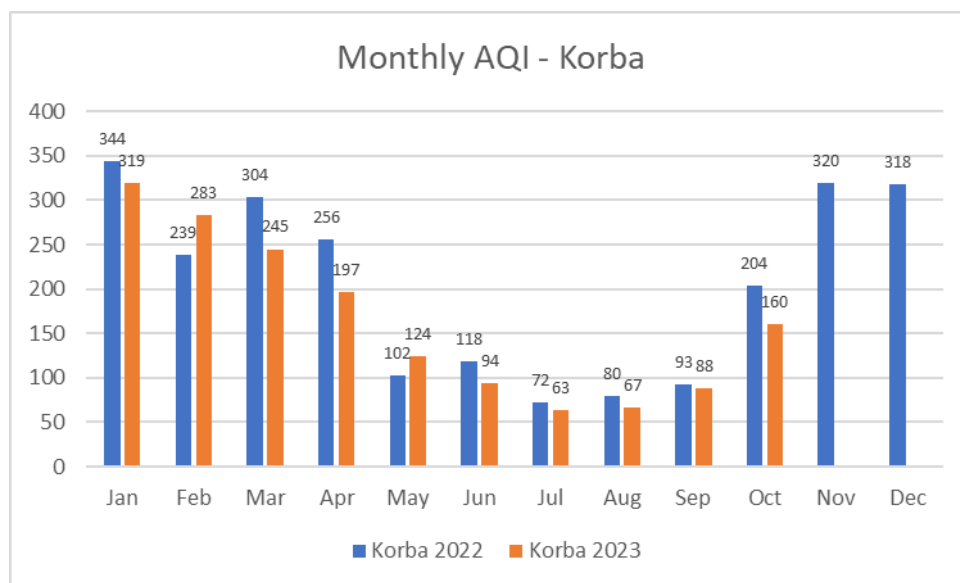
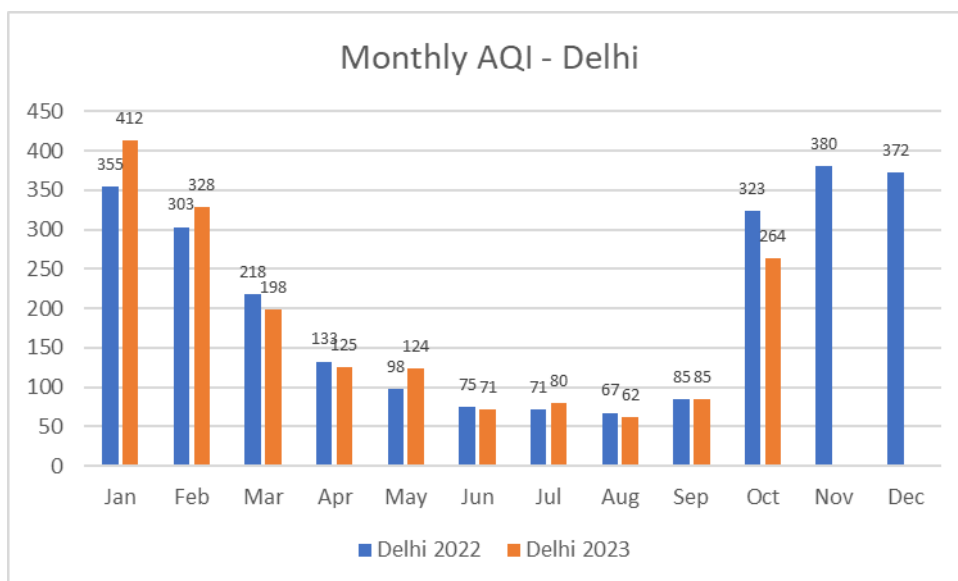


Table and Graph above show the Average Monthly AQI in different Cities. The graph and data clearly showcase the winter months when AQI comes under dangerous levels and summer and monsoon months when the air quality is Satisfactory. It is clear that AQI increases with the onset of winter and decreases as summer progresses. With the onset of monsoon, there is further improvement. This improvement in Air quality is primarily because of favourable weather conditions and not because of any mitigation aspects taken by the industries or government agencies. It is again approaching the time of the year when AQI has started going up. In Delhi, starting from the last week onwards, pollution levels have started increasing dramatically and need to be urgently watched and immediate measures taken to reduce AQI.

- During this period, Delhi recorded the worst AQI in the month of January 2023. Out of 22 months, for 14-months AQI in Delhi was above 100 while Korba had AQI above 100 for 16 months.
- October 2023 Air quality has deteriorated over the previous month figures for both Korba and Delhi.
- Air quality is poorer in Delhi as compared to Korba in October 2023
- The overall data for Korba shows that Korba Air is more polluted than Delhi for longer durations in the year.
- In comparison between October 2023 and 2022, AQI has decreased in both Delhi and Korba
- The different colour bands in the graph respond to the AQI categories as stated in the NAAQs (More later in the document)



The above graph shows the monthly AQI comparison between 2022 and 2023 for Korba



The above graph shows the monthly AQI comparison between 2022 and 2023 for Delhi

The below table shows the Monthly Average Heat Index for different cities.

| Monthly Average HI - Different Cities |        |        |        |        |        |        |        |        |        |        |        |        |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                       | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 | Oct-22 | Nov-22 | Dec-22 |
| <b>Korba</b>                          | 19     | 24     | 29     | 36     | 40     | 39     | 37     | 35     | 35     | 30     | 23     | 21     |
| <b>Delhi</b>                          | 17     | 20     | 26     | 32     | 35     | 36     | 39     | 37     | 36     | 28     | 24     | 18     |
| <b>Ranchi</b>                         |        |        |        |        |        |        | 31     | 30     | 29     | 24     | 20     | 18     |

| Monthly Average HI - Different Cities |        |        |        |        |        |        |        |        |        |        |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                       | Jan-23 | Feb-23 | Mar-23 | Apr-23 | May-23 | Jun-23 | Jul-23 | Aug-23 | Sep-23 | Oct-23 |
| <b>Korba</b>                          | 21     | 24     | 29     | 32     | 35     | 40     | 39     | 35     | 34     | 30     |
| <b>Delhi</b>                          | 16     | 21     | 25     | 29     | 32     | 38     | 39     | 38     | 37     | 30     |

**Particulate Matter** – Particulate matter or PM is the amount of dust particles in the air. These particles can be of different types i.e. organic, metallic etc. There are different sizes for these particles. Particles of size 10 micron are called PM 10. Those between size of 2.5 and 10 micron are called PM 2.5. Those between 1 and 2.5 micron are labelled as PM1. The smaller the size of the particles, the easier for it to enter the air stream of the body and cause more impact. NAAQS and WHO (World Health Organisation) have both set limits for amount of such particles in the air for PM 2.5 and PM 10. Below are the limits set. The Indian standard values are much higher than the WHO ADQ standard and need to be revised downwards. There are no standards yet for PM 1 which is considerably more harmful.

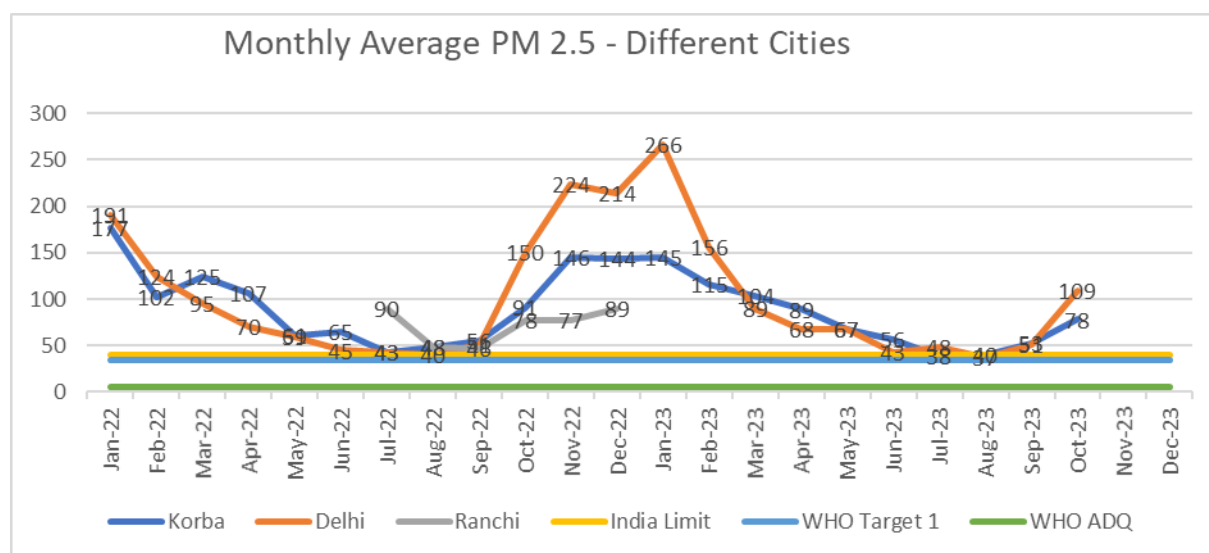
|                             | PM 2.5 (ug/m3) | PM 10 (ug/m3) |
|-----------------------------|----------------|---------------|
| NAAQS (India Annual target) | 40             | 60            |
| WHO Interim target 1        | 35             | 70            |
| WHO ADQ Target              | 5              | 15            |

Below is the table and graph showing Monthly Average PM 2.5 values in different cities. In only 2 months in both Korba and Delhi was the Indian standard met. In both Delhi and Korba, the values were more than 4 times the values in some of the months. Only during the monsoon period were the

values closer to the standard but were still above. In both Delhi and Korba count of PM 2.5 particles have decreased in comparison with September 2022.

| Monthly Average PM 2.5 - Different Cities |     |     |     |     |     |     |     |     |     |     |     |     |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|   | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| Korba                                     | 177 | 102 | 125 | 107 | 61  | 65  | 43  | 48  | 56  | 91  | 146 | 144 |
| Delhi                                     | 191 | 124 | 95  | 70  | 59  | 45  | 43  | 40  | 51  | 150 | 224 | 214 |
| Ranchi                                    |     |     |     |     |     |     | 90  | 48  | 46  | 78  | 77  | 89  |

| Monthly Average PM 2.5 - Different Cities |        |        |        |        |        |        |        |        |        |        |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|   | Jan-23 | Feb-23 | Mar-23 | Apr-23 | May-23 | Jun-23 | Jul-23 | Aug-23 | Sep-23 | Oct-23 |
| Korba                                     | 145    | 115    | 104    | 89     | 67     | 56     | 38     | 40     | 53     | 78     |
| Delhi                                     | 266    | 156    | 89     | 68     | 67     | 43     | 48     | 37     | 51     | 109    |

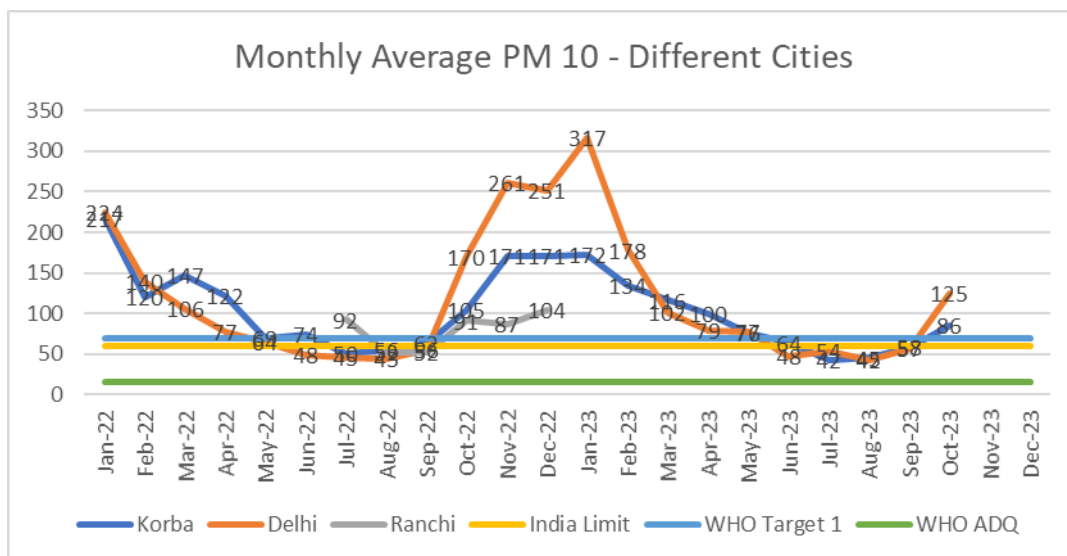


The table and graph below show the Monthly Average PM 10 values in different cities. Except for a few months (Highlighted in Green) which were during the summer and monsoon months, none of the cities met the Indian Standards. In comparison with the WHO ADQ standard, none even came close. Values have improved in both Korba and Delhi as compared to October 2022, values are still high. This shows that the base load of pollutants is very high in both these cities and dust which settles during rains is again air borne once the rain stops and sun comes out. Values have increased in comparison to September 2023

| Monthly Average PM 10 - Different Cities |     |     |     |     |     |      |       |       |       |     |     |     |
|--|-----|-----|-----|-----|-----|------|-------|-------|-------|-----|-----|-----|
|  | Jan | Feb | Mar | Apr | May | Jun  | Jul   | Aug   | Sep   | Oct | Nov | Dec |
| Korba                                    | 217 | 120 | 147 | 122 | 68  | 74   | 50.03 | 55.8  | 62.48 | 105 | 171 | 171 |
| Delhi                                    | 224 | 140 | 106 | 77  | 64  | 48.5 | 45.43 | 43.49 | 55.61 | 170 | 261 | 251 |
| Ranchi                                   |     |     |     |     |     |      | 92    | 51.97 | 52.39 | 91  | 87  | 104 |

| Monthly Average PM 10 - Different Cities |        |        |        |        |        |        |        |        |        |        |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|  | Jan-23 | Feb-23 | Mar-23 | Apr-23 | May-23 | Jun-23 | Jul-23 | Aug-23 | Sep-23 | Oct-23 |
| Korba                                    | 172    | 134    | 116    | 100    | 76     | 64     | 42     | 45     | 58     | 86     |

|       |     |     |     |    |    |    |    |    |    |     |
|-------|-----|-----|-----|----|----|----|----|----|----|-----|
| Delhi | 317 | 178 | 102 | 79 | 77 | 48 | 54 | 42 | 57 | 125 |
|-------|-----|-----|-----|----|----|----|----|----|----|-----|



**Data on AQI categories** – Under the NAAQS, AQI categories have been listed which lists the different levels of Air pollution. AQI Classification as per NAAQS -

|      |        |         |         |         |      |
|------|--------|---------|---------|---------|------|
| 0-50 | 51-100 | 101-200 | 201-300 | 301-400 | >401 |
|------|--------|---------|---------|---------|------|

The Table below shows the AQI Categories for All device’s location wise since January 2022. The numbers are daily figures for individual devices which have been added up based on cities. It means that AQI in Korba was between 0-50 on 453 daily intervals as recorded by all devices installed in Korba. The data shows that in all locations more than 60% of the days, AQI has been above 100. Delhi and Korba recorded more than 33% of the intervals with AQI above 200.

| Location wise Totals (Since January 2022) |      |        |         |         |         |      |             |              |        |
|---|------|--------|---------|---------|---------|------|-------------|--------------|--------|
|   | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Grand Total | Percent >100 | >200   |
| Korba                                     | 453  | 1350   | 2038    | 1064    | 665     | 195  | 5765        | 68.73%       | 33.37% |
| Delhi                                     | 567  | 1199   | 1299    | 711     | 464     | 258  | 4498        | 60.74%       | 31.86% |
| Ranchi                                    | 4    | 30     | 63      | 11      | 2       | 0    | 110         | 69.09%       | 11.82% |

The Table below show City wise and month wise AQI categories wise information. The numbers are daily figures for individual devices which have been added up based on locations for each month. It means that AQI in Korba was between 50-100 on 12 daily intervals in January 2022 as recorded by all devices installed in Korba. The data shows the severe AQI months for both Korba and Delhi. Atmospheric conditions play a vital role in Air Pollution hence, AQI is Satisfactory in the summer and monsoon month when dispersion of pollutants is high. Weather conditions along with emission sources should be carefully considered and emissions controlled to ensure AQI remains below 100 throughout the year.

In Delhi, during October 2023, 84% of recorded AQI intervals were above 100 while the figure is 69% for Korba. Both figures show an increase in comparison with September 2023. The corresponding figure in October ‘22 for Delhi was 80% and 74% for Korba.

|        |        | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Grand Total | Percent >100 | Percent >200 |
|--------|--------|------|--------|---------|---------|---------|------|-------------|--------------|--------------|
| Korba  | Jan    | 0    | 12     | 36      | 48      | 31      | 6    | 133         | 91%          | 64%          |
|        | Feb    | 0    | 22     | 118     | 102     | 19      | 4    | 265         | 92%          | 47%          |
|        | Mar    | 0    | 28     | 99      | 56      | 29      | 16   | 228         | 88%          | 44%          |
|        | Apr    | 2    | 13     | 72      | 55      | 27      | 6    | 175         | 91%          | 50%          |
|        | May    | 4    | 70     | 101     | 9       | 0       | 0    | 184         | 60%          | 5%           |
|        | June   | 3    | 68     | 113     | 21      | 0       | 0    | 205         | 65%          | 10%          |
|        | July   | 50   | 74     | 46      | 5       | 0       | 0    | 175         | 29%          | 3%           |
|        | Aug    | 58   | 61     | 52      | 13      | 1       | 0    | 185         | 36%          | 8%           |
|        | Sep    | 19   | 68     | 35      | 2       | 0       | 0    | 124         | 30%          | 2%           |
|        | Oct    | 25   | 63     | 127     | 72      | 44      | 13   | 344         | 74%          | 38%          |
|        | Nov    | 3    | 23     | 64      | 115     | 141     | 40   | 386         | 93%          | 77%          |
|        | Dec    | 0    | 21     | 99      | 112     | 90      | 47   | 369         | 94%          | 67%          |
|        | Jan-23 | 0    | 9      | 97      | 117     | 113     | 27   | 363         | 98%          | 71%          |
| Feb-23 | 2      | 38   | 149    | 82      | 38      | 20      | 329  | 88%         | 43%          |              |
| Mar-23 | 2      | 32   | 157    | 113     | 56      | 6       | 366  | 91%         | 48%          |              |
| Apr-23 | 11     | 111  | 150    | 63      | 34      | 8       | 377  | 68%         | 28%          |              |
| May-23 | 11     | 105  | 213    | 27      | 10      | 2       | 368  | 68%         | 11%          |              |
| Jun-23 | 35     | 163  | 115    | 12      | 2       | 0       | 327  | 39%         | 4%           |              |
| Jul-23 | 124    | 116  | 30     | 4       | 0       | 0       | 274  | 12%         | 1%           |              |
| Aug-23 | 59     | 111  | 24     | 3       | 0       | 0       | 197  | 14%         | 2%           |              |
| Sep-23 | 36     | 90   | 54     | 13      | 2       | 0       | 195  | 35%         | 8%           |              |
| Oct-23 | 9      | 52   | 87     | 20      | 28      | 0       | 196  | 69%         | 24%          |              |
| Delhi  | Jan    | 0    | 2      | 20      | 88      | 101     | 81   | 292         | 99%          | 92%          |
|        | Feb    | 15   | 32     | 74      | 96      | 85      | 14   | 316         | 85%          | 62%          |
|        | Mar    | 2    | 49     | 172     | 145     | 27      | 0    | 395         | 87%          | 44%          |
|        | Apr    | 10   | 85     | 219     | 59      | 0       | 0    | 373         | 75%          | 16%          |
|        | May    | 44   | 119    | 187     | 12      | 0       | 0    | 362         | 55%          | 3%           |
|        | June   | 152  | 134    | 63      | 9       | 3       | 1    | 362         | 21%          | 4%           |
|        | July   | 76   | 192    | 71      | 5       | 0       | 0    | 344         | 22%          | 1%           |
|        | Aug    | 47   | 83     | 29      | 0       | 0       | 0    | 159         | 18%          | 0%           |
|        | Sep    | 24   | 50     | 38      | 7       | 0       | 0    | 119         | 38%          | 6%           |
|        | Oct    | 10   | 13     | 16      | 31      | 24      | 21   | 115         | 80%          | 66%          |
|        | Nov    | 0    | 0      | 5       | 26      | 57      | 32   | 120         | 100%         | 96%          |
|        | Dec    | 0    | 0      | 7       | 20      | 58      | 39   | 124         | 100%         | 94%          |
|        | Jan-23 | 0    | 0      | 3       | 21      | 44      | 56   | 124         | 100%         | 98%          |
| Feb-23 | 0      | 4    | 17     | 44      | 35      | 12      | 112  | 96%         | 81%          |              |
| Mar-23 | 1      | 14   | 55     | 51      | 1       | 0       | 122  | 88%         | 43%          |              |
| Apr-23 | 5      | 40   | 84     | 16      | 1       | 0       | 146  | 69%         | 12%          |              |
| May-23 | 26     | 54   | 45     | 30      | 0       | 0       | 155  | 48%         | 19%          |              |
| Jun-23 | 37     | 82   | 29     | 1       | 0       | 0       | 149  | 20%         | 1%           |              |
| Jul-23 | 22     | 90   | 41     | 2       | 0       | 0       | 155  | 28%         | 1%           |              |
| Aug-23 | 61     | 74   | 17     | 0       | 0       | 0       | 152  | 11%         | 0%           |              |
| Sep-23 | 33     | 59   | 48     | 7       | 0       | 0       | 147  | 37%         | 5%           |              |
| Oct-23 | 2      | 23   | 59     | 41      | 28      | 2       | 155  | 84%         | 46%          |              |

The Table below show Device wise AQI categories wise information. The numbers are daily figures for individual devices which have been added up till date. It means that AQI measured by device number ending with 66644 was between 50-100 on 41 daily intervals. Most of the devices are measuring AQI above 100 for majority of the intervals.

|  |
|--|
| Device Wise Totals (Selected Devices) – Since January 2022 |
|--|

|                 | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Grand Total | Percent >100 | Percent >200 |
|-----------------|------|--------|---------|---------|---------|------|-------------|--------------|--------------|
| 861480034766644 | 14   | 41     | 129     | 53      | 60      | 33   | 330         | 83.33%       | 44.24%       |
| 861480034786105 | 21   | 71     | 213     | 141     | 84      | 11   | 541         | 82.99%       | 43.62%       |
| 861480034775850 | 67   | 229    | 214     | 95      | 32      | 1    | 638         | 53.61%       | 20.06%       |
| 861480034777765 | 9    | 50     | 111     | 64      | 22      | 3    | 259         | 77.22%       | 34.36%       |
| 861480034765562 | 83   | 164    | 200     | 77      | 45      | 0    | 569         | 56.59%       | 21.44%       |
| 861480034757130 | 32   | 109    | 188     | 43      | 8       | 2    | 382         | 63.09%       | 13.87%       |
| 862649042673930 | 1    | 59     | 143     | 85      | 28      | 8    | 324         | 81.48%       | 37.35%       |
| 861480034765406 | 21   | 27     | 183     | 155     | 51      | 16   | 453         | 89.40%       | 49.01%       |
| 861480034774176 | 7    | 55     | 109     | 73      | 51      | 3    | 298         | 79.19%       | 42.62%       |
| 862649042685215 | 37   | 107    | 86      | 12      | 3       | 2    | 247         | 41.70%       | 6.88%        |
|                 |      |        |         |         |         |      |             |              |              |
| 861480034766461 | 38   | 170    | 175     | 131     | 85      | 69   | 668         | 68.86%       | 42.66%       |
| 861480034784522 | 89   | 180    | 179     | 77      | 53      | 35   | 613         | 56.12%       | 26.92%       |
| 862649043466961 | 82   | 170    | 178     | 97      | 81      | 46   | 654         | 61.47%       | 34.25%       |
| 861480034785552 | 106  | 170    | 146     | 100     | 81      | 31   | 634         | 56.47%       | 33.44%       |

## Section 2 –Information and Analysis for October 2023

| Location wise Information |                |               |             |             |
|---------------------------|----------------|---------------|-------------|-------------|
| Location                  | Average PM 2.5 | Average PM 10 | Average AQI | Maximum AQI |
| Korba                     | 78             | 86            | 160         | 1995        |
| Delhi                     | 109            | 125           | 264         | 1053        |

Table above shows the city wise Average PM 2.5, PM 10, AQI and Maximum AQI for October 2023. During this period Maximum AQI is recorded highest in Korba which is recorded just above 2000. Although such high numbers have been recorded only for a few intervals but getting such high number for AQI is a matter of grave concern. In Delhi also, the Maximum AQI recorded has exceeded 1000 which is a matter of concern and immediate action. Average AQI is higher in Delhi.

Comparison of data between October 2022 and October 2023 can be seen in table below. The air quality is improved in both Korba and Delhi. This clearly shows the impact of monsoon and winds on the Air pollution in Delhi. As soon as weather elements become adverse, pollution starts rising.

|       | Oct-22 |       |     | Oct-23 |       |     |
|-------|--------|-------|-----|--------|-------|-----|
|       | PM 2.5 | PM 10 | AQI | PM 2.5 | PM 10 | AQI |
| Korba | 91     | 105   | 204 | 78     | 86    | 160 |
| Delhi | 150    | 170   | 323 | 109    | 125   | 264 |

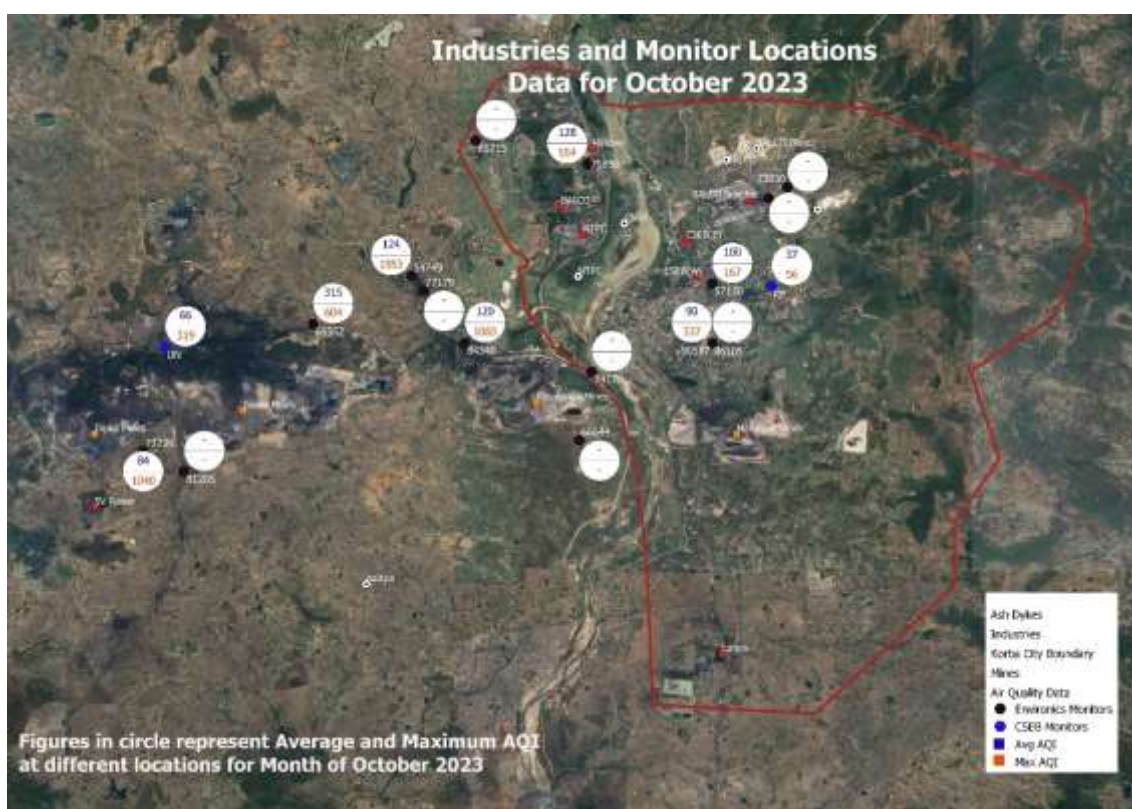
Data for individual devices placed at Korba can be seen in below table. Out of 8 devices which worked in Korba in this period 4 devices recorded maximum AQI greater than 1000. Average Monthly AQI is above 100 in 6 locations. Device placed at Gevra Rehabilitated Area recorded the highest Average AQI at 315. Device placed at Hardi bazaar measured the best AQI at 84

| Location Wise Average and Maximum AQI for Devices at Korba |                  |             |             |
|--|------------------|-------------|-------------|
| Device Number  | Location         | Average AQI | Maximum AQI |
| 861480034766644  | Village Pali     | -           | -           |
| 861480034786105  | RSS nagar        | -           | -           |
| 861480034775850  | Child Home Darri | 128         | 554         |

|                 |                                      |     |      |
|-----------------|--------------------------------------|-----|------|
| 861480034777765 | Sirki. Dipka Rehab Colony            | 239 | 1995 |
| 861480034765562 | Gevra Mines Rehabilitated Area       | 315 | 604  |
| 861480034757130 | Korba City, Patharipara              | 100 | 167  |
| 862649042673930 | Balco Housing Board                  | -   | -    |
| 861480034765406 | Vijaynagar. Gevra Rehab Colony       | -   | -    |
| 861480034774176 | Old Age Home, Near Sarvmangla Mandir | -   | -    |
| 862649042685215 | NTPC Jamnipalli Housing Colony       | -   | -    |
| 861480034781205 | sarai singar chowk                   | -   | -    |
| 861480034777179 | Surakachar chowk (underground Mines) | -   | -    |
| 861480034784340 | Kanha Auto repairs, Station road     | 120 | 1065 |
| 861480034773236 | Aryan Public School, Hardi Bazaar    | 84  | 1040 |
| 862649042690587 | BALCO, Ring Road                     | 90  | 337  |
| 861480034754749 | Gud Deva                             | 124 | 1953 |

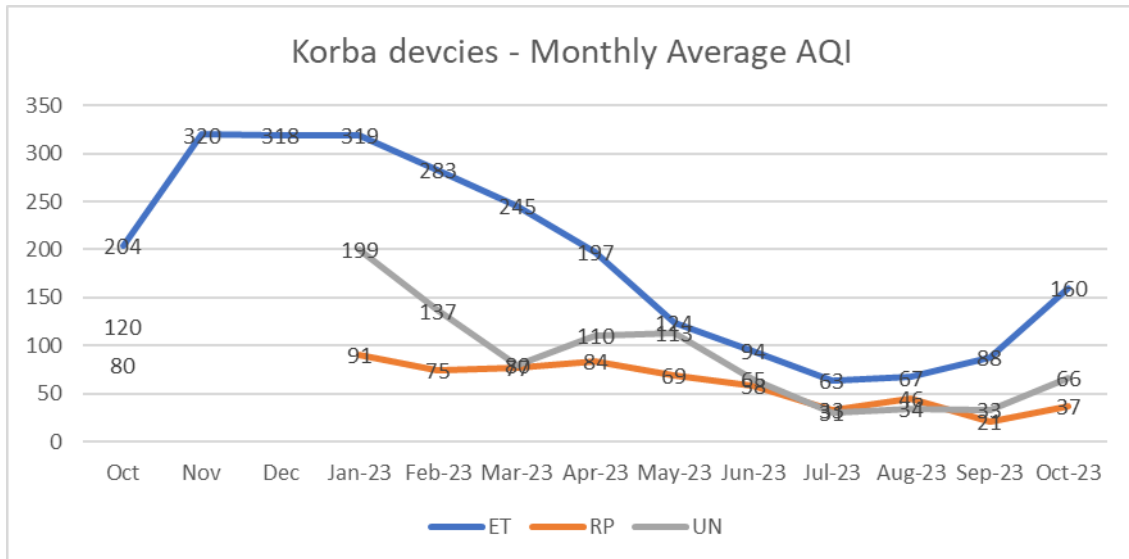
The map image below shows the locations of the devices installed in Korba along with the locations of major coal mines, Thermal power plants and ash dykes. The Korba municipal boundary is marked in Red colour. The numbers in the map show the Average and Maximum AQI for each location along with the device number. Two monitors have been installed by CSEB at Ram Pur and Urja Nagar. Average Monthly AQI for October 2023 recorded by these devices is as below. Devices placed by Environics have been consistently recording higher AQI values. It may be because of placement of devices around Pollution sources which show such stark differences

|              | Ram Pur | Urja Nagar | ET Devices |
|--------------|---------|------------|------------|
| October 2023 | 37      | 66         | 160        |

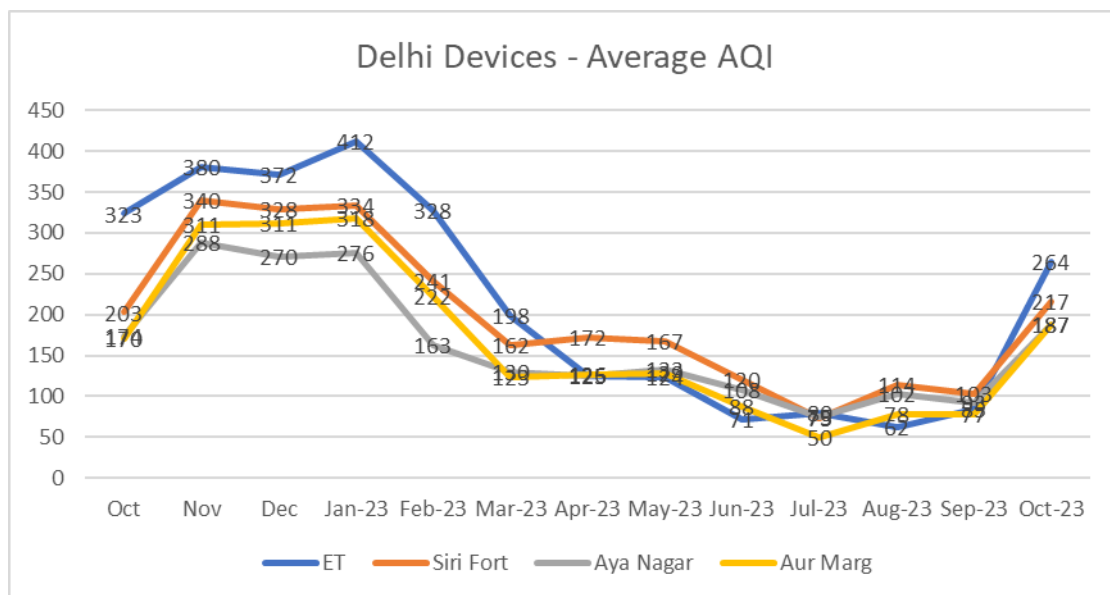




Map – Device Install and industrial locations at Korba. Numbers reflect Average and Maximum AQI of the location for October 2023. Map also shows the location of major coal mines, Thermal Power Plants and Ash Dykes. Korba Municipal Boundary is marked in Red colour



The above graph shows the monthly AQI comparison between devices installed by Environics and those installed by the Chhattisgarh Environment board. In all the instances the devices installed by ET are recording higher AQI values.



The above graph shows the comparison between Environics Devices in Delhi and CPCB devices installed at three nearest locations to our office

The Tables below show Daily Average AQI between different cities for October 2023. Cells where AQI >100 have been highlighted. AQI in Delhi was the lowest at 82 and went up to 378. Even in Korba, AQI has been between 58 and 278. Both Korba and Delhi are fighting for the top spot in bad air quality with Delhi edging out Korba in number of bad air days in this month.

**Daily average AQI for Different Cities for October 2023**

|       | 1   | 2  | 3  | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  |
|-------|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Korba | 78  | 66 | 58 | 98  | 109 | 96  | 172 | 216 | 195 | 217 | 196 | 201 | 221 | 215 | 191 | 224 |
| Delhi | 117 | 99 | 89 | 124 | 212 | 189 | 156 | 151 | 166 | 82  | 200 | 251 | 305 | 315 | 214 | 135 |

| Daily average AQI for Different Cities for October 2023 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|   | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  |
| Korba   | 224 | 191 | 196 | 161 | 107 | 127 | 171 | 167 | 198 | 186 | 210 | 172 | 261 | 253 | 245 | 278 |
| Delhi   | 135 | 96  | 89  | 116 | 253 | 327 | 340 | 316 | 225 | 309 | 303 | 310 | 349 | 344 | 359 | 378 |

This information in terms of AQI categories can be seen in the table below

|       | 0-50 | 51-100 | 101-200 | 201-300 | 301-400 | >401 | Not Work |    |
|-------|------|--------|---------|---------|---------|------|----------|----|
| Korba | 0    | 5      | 15      | 11      | 0       | 0    | 0        | 31 |
| Delhi | 0    | 5      | 9       | 5       | 12      | 0    | 0        | 31 |

Table - City wise categories for October 2023

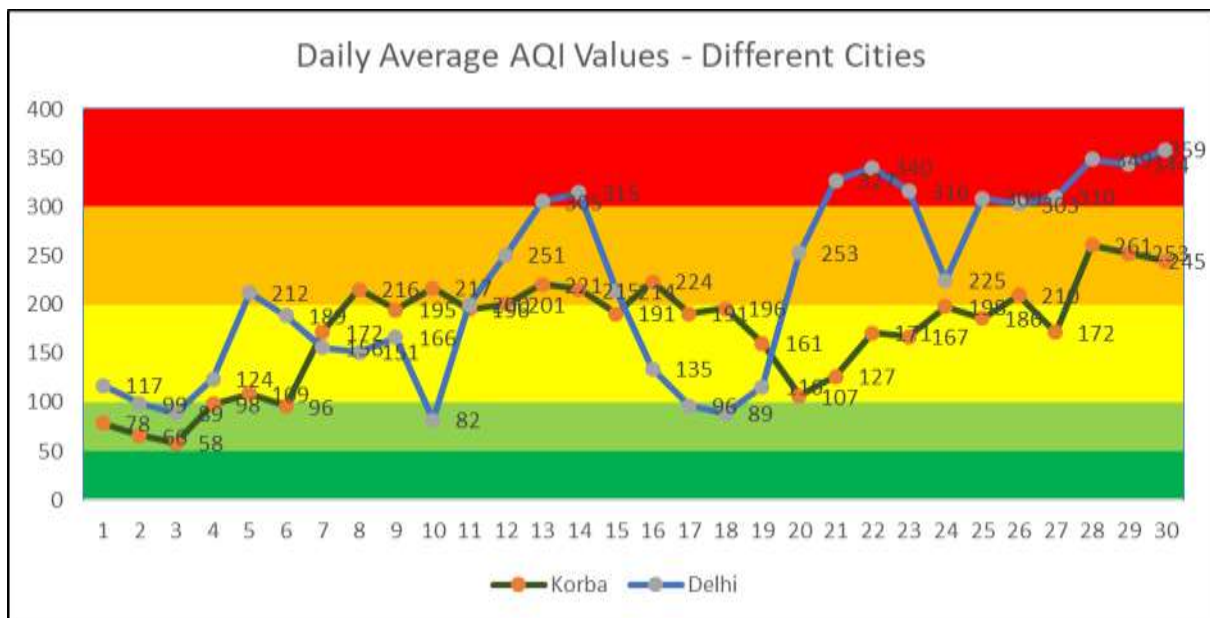


Table below shows the Daily Average AQI for individual devices placed at Korba. Figures above 250 have been marked in Red. Blank implies device did not work

| Average AQI, Device Wise at Korba for October 2023 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Date   | 66644 | 86105 | 75850 | 77765 | 65562 | 57130 | 73930 | 65406 | 74176 | 85215 | 81205 | 77179 | 84340 | 73236 | 90587 | 54749 |
| 1  | -     | -     | 51    | 161   | 126   | -     | -     | -     | -     | -     | -     | -     | 61    | 73    | 67    | 61    |
| 2  | -     | -     | 35    | 70    | 154   | -     | -     | -     | -     | -     | -     | -     | 69    | 54    | 43    | 71    |
| 3  | -     | -     | 29    | 69    | 149   | -     | -     | -     | -     | -     | -     | -     | 35    | 34    | 40    | 40    |
| 4  | -     | -     | 68    | 127   | 308   | -     | -     | -     | -     | -     | -     | -     | 90    | 59    | 91    | 66    |
| 5  | -     | -     | 69    | 162   | 309   | -     | -     | -     | -     | -     | -     | -     | 85    | 85    | 82    | 73    |
| 6  | -     | -     | 59    | 145   | 314   | -     | -     | -     | -     | -     | -     | -     | 90    | 75    | 49    | 49    |
| 7  | -     | -     | 99    | 230   | 314   | -     | -     | -     | -     | -     | -     | -     | 116   | 82    |       | 103   |
| 8  | -     | -     | 135   | 254   | 327   | -     | -     | -     | -     | -     | -     | -     | 120   | 104   |       |       |
| 9  | -     | -     | 117   | 229   | 330   | -     | -     | -     | -     | -     | -     | -     | 84    | 89    |       |       |
| 10   | -     | -     | 127   | 296   | 328   | -     | -     | -     | -     | -     | -     | -     | 129   | 122   | 97    |       |
| 11   | -     | -     | 128   | 240   | 325   | -     | -     | -     | -     | -     | -     | -     | 112   | 99    | 93    | 245   |

|    |   |   |     |     |     |     |   |   |   |   |   |   |     |     |     |     |
|----|---|---|-----|-----|-----|-----|---|---|---|---|---|---|-----|-----|-----|-----|
| 12 | - | - | 132 | 280 | 330 | -   | - | - | - | - | - | - | 134 | 87  | 132 | 146 |
| 13 | - | - | 133 | 307 | 331 | -   | - | - | - | - | - | - | 126 | 94  |     | 149 |
| 14 | - | - | 125 | 263 | 314 | -   | - | - | - | - | - | - | 123 | 106 |     | 169 |
| 15 | - | - | 134 | 249 | 336 | -   | - | - | - | - | - | - | 122 | 102 | 104 | 127 |
| 16 | - | - | 180 | 296 | 340 | -   | - | - | - | - | - | - | 159 | 97  | 128 | 138 |
| 17 | - | - | 123 | 300 | 306 | -   | - | - | - | - | - | - | 108 | 82  | 106 | 96  |
| 18 | - | - | 164 | 307 | 221 | -   | - | - | - | - | - | - | 153 | 96  |     | 134 |
| 19 | - | - | 135 | 263 | 217 | -   | - | - | - | - | - | - | 135 | 66  |     | 139 |
| 20 | - | - | 84  | 193 | 233 | -   | - | - | - | - | - | - | 106 | 55  |     | 83  |
| 21 | - | - | 144 | 186 |     | -   | - | - | - | - | - | - | 109 | 58  |     | 146 |
| 22 | - | - | 110 | 171 | 333 | -   | - | - | - | - | - | - | 110 | 63  |     | 137 |
| 23 | - | - | 122 | 199 | 333 | -   | - | - | - | - | - | - | 91  | 52  |     | 130 |
| 24 | - | - | 156 | 238 | 329 | -   | - | - | - | - | - | - | 138 | 73  |     | 137 |
| 25 | - | - | 197 |     | 337 | 86  | - | - | - | - | - | - | 136 | 98  | 162 | 152 |
| 26 | - | - | 171 |     | 327 |     | - | - | - | - | - | - | 267 | 78  | 114 | 162 |
| 27 | - | - | 158 |     | 323 |     | - | - | - | - | - | - | 152 | 80  | 107 | 116 |
| 28 | - | - | 130 | 302 | 367 |     | - | - | - | - | - | - | 174 | 93  |     | 131 |
| 29 | - | - | 187 | 299 | 307 |     | - | - | - | - | - | - | 159 | 86  |     | 155 |
| 30 | - | - | 219 | 360 | 253 | 115 | - | - | - | - | - | - | 170 | 128 |     | 161 |
| 31 |   |   | 184 | 337 | 352 |     | - | - | - | - | - | - | 127 | 89  |     | 165 |

Table - AQI Category wise information for individual devices

| AQI categories Wise Information for Different Devices - October 2023 |          |      |        |         |         |         |      |             |              |              |
|--|----------|------|--------|---------|---------|---------|------|-------------|--------------|--------------|
| Device Number  | Location | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Grand Total | Percent >100 | Percent >200 |
| 861480034766644  | Korba    | -    | -      | -       | -       | -       | -    | 0           | -            | -            |
| 861480034786105  | Korba    | -    | -      | -       | -       | -       | -    | 0           | -            | -            |
| 861480034775850  | Korba    | 2    | 6      | 22      | 1       |         |      | 31          | 74%          | 3%           |
| 861480034777765  | Korba    |      | 2      | 8       | 13      | 5       |      | 28          | 93%          | 64%          |
| 861480034765562  | Korba    |      |        | 3       | 4       | 23      |      | 30          | 100%         | 90%          |
| 861480034757130  | Korba    |      | 1      | 1       |         |         |      | 2           | 50%          | 0%           |
| 862649042673930  | Korba    | -    | -      | -       | -       | -       | -    | 0           | -            | -            |
| 861480034765406  | Korba    | -    | -      | -       | -       | -       | -    | 0           | -            | -            |
| 861480034774176  | Korba    | -    | -      | -       | -       | -       | -    | 0           | -            | -            |
| 862649042685215  | Korba    | -    | -      | -       | -       | -       | -    | 0           | -            | -            |
| 861480034781205  | Korba    | -    | -      | -       | -       | -       | -    | 0           | -            | -            |
| 861480034777179  | Korba    | -    | -      | -       | -       | -       | -    | 0           | -            | -            |
| 861480034784340  | Korba    | 1    | 7      | 22      | 1       |         |      | 31          | 74%          | 3%           |
| 861480034773236  | Korba    | 1    | 25     | 5       |         |         |      | 31          | 16%          | 0%           |
| 862649042690587  | Korba    | 3    | 5      | 7       |         |         |      | 15          | 47%          | 0%           |
| 861480034754749  | Korba    | 2    | 6      | 19      | 1       |         |      | 28          | 71%          | 4%           |
| 861480034766461  | Delhi    |      |        | 12      | 11      | 8       |      | 31          | 100%         | 61%          |
| 861480034784522  | Delhi    | 2    | 13     | 15      | 1       |         |      | 31          | 52%          | 3%           |
| 862649043466961  | Delhi    |      | 2      | 12      | 9       | 7       | 1    | 31          | 94%          | 55%          |
| 861480034785552  | Delhi    |      | 8      | 11      | 8       | 4       |      | 31          | 74%          | 39%          |
| 861480034766453  | Delhi    |      |        | 9       | 12      | 9       | 1    | 31          | 100%         | 71%          |

Time Interval Wise Average AQI at different Cities and devices for October 2023 can be seen in table below

| Row Labels   | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to midnight |
|--------------|------------------|-----------------|-----------------|------------------|
| <b>delhi</b> | <b>240</b>       | <b>235</b>      | <b>134</b>      | <b>216</b>       |
| _66453       | 288              | 290             | 163             | 253              |
| _66461       | 301              | 263             | 135             | 266              |
| _66961       | 278              | 273             | 168             | 269              |
| _84522       | 131              | 139             | 73              | 111              |
| _85552       | 203              | 203             | 122             | 186              |
| <b>Korba</b> | <b>137</b>       | <b>162</b>      | <b>125</b>      | <b>204</b>       |
| _54749       | 93               | 110             | 93              | 195              |
| _57130       |                  |                 | 53              | 107              |
| _65562       | 313              | 312             | 302             | 336              |
| _73236       | 72               | 106             | 60              | 97               |
| _75850       | 114              | 133             | 76              | 190              |
| _77765       | 235              | 242             | 192             | 289              |
| _84340       | 84               | 131             | 77              | 184              |
| _90587       | 78               | 107             | 78              | 94               |

Time Interval Wise Maximum AQI at different Cities and devices for September 2023 can be seen in table below

| Row Labels   | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to midnight |
|--------------|------------------|-----------------|-----------------|------------------|
| <b>delhi</b> | <b>522</b>       | <b>585</b>      | <b>1053</b>     | <b>878</b>       |
| _66453       | 467              | 549             | 421             | 498              |
| _66461       | 522              | 567             | 1053            | 878              |
| _66961       | 506              | 585             | 558             | 565              |
| _84522       | 450              | 513             | 440             | 464              |
| _85552       | 452              | 569             | 456             | 522              |
| <b>Korba</b> | <b>1953</b>      | <b>1386</b>     | <b>1995</b>     | <b>725</b>       |
| _54749       | 1953             | 1386            | 1605            | 479              |
| _57130       |                  |                 | 53              | 167              |
| _65562       | 358              | 489             | 604             | 560              |
| _73236       | 481              | 1040            | 582             | 382              |
| _75850       | 352              | 554             | 475             | 529              |
| _77765       | 1143             | 839             | 1995            | 725              |
| _84340       | 325              | 363             | 1065            | 602              |
| _90587       | 302              | 337             | 301             | 330              |

Annexure 1 – Device Locations

| <b>Device Name / Location</b> | <b>Current City</b>                  | <b>City</b> |
|-------------------------------|--------------------------------------|-------------|
| 861480034766644               | Village Pali                         | Korba       |
| 861480034786105               | RSS nagar                            | Korba       |
| 861480034775850               | Child Home Darri                     | Korba       |
| 861480034777765               | Sirki Village                        | Korba       |
| 861480034765562               | Gevra Mines Rehabilitated Area       | Korba       |
| 861480034757130               | Korba City, Patharipara              | Korba       |
| 862649042673930               | Balco Housing Board                  | Korba       |
| 861480034765406               | Vijaynagar                           | Korba       |
| 861480034774176               | Old Age Home, Near Sarvmangla Mandir | Korba       |
| 862649042685215               | NTPC Jamnipalli Housing Colony       | Korba       |
| 861480034781205               | Raliya Village                       | Korba       |
| 861480034777179               | Surakachar chowk (underground Mines) | Korba       |
| 861480034784340               | Station road                         | Korba       |
| 861480034773236               | Hardi Bazaar                         | Korba       |
| 862649042690587               | Near BALCO Main Plant                | Korba       |
| 861480034754749               | Gud Deva                             | Korba       |
| 861480034766461               | Delhi                                | Delhi       |
| 861480034784522               | Delhi                                | Delhi       |
| 862649043466961               | Delhi                                | Delhi       |
| 861480034785552               | Delhi                                | Delhi       |
| 861480034766453               | Delhi – since April 2023             | Delhi       |

## Some Graphs and Data for Devices Placed at Korba

- 861480034766644 - Relocated to Village Pali in October

Table - Monthly Average and Maximum AQI and HI

|        | Avg AQI | Avg HI | Max AQI | Max HI |
|--------|---------|--------|---------|--------|
| Jan    | 426     | 19     | 1994    | 22     |
| Feb    | 258     | 23     | 1326    | 34     |
| May    | 128     | 40     | 1150    | 54     |
| Jun    | 147     | 39     | 1033    | 54     |
| Jul    | 85      | 36     | 560     | 50     |
| Aug    | 102     | 34     | 558     | 53     |
| Sep    | 163     | 35     | 394     | 53     |
| Oct    | 312     | 30     | 6113    | 50     |
| Nov    | 384     | 23     | 2001    | 49     |
| Dec    | 349     | 22     | 1910    | 47     |
| Jan-23 | 360     | 20     | 1998    | 28     |
| Mar-23 | 182     | 32     | 1336    | 42     |
| Apr-23 | 178     | 32     | 1646    | 43     |
| May-23 | 162     | 37     | 1720    | 50     |
| Jun-23 | 143     | 41     | 1315    | 54     |
| Jul-23 | 44      | 43     | 388     | 53     |

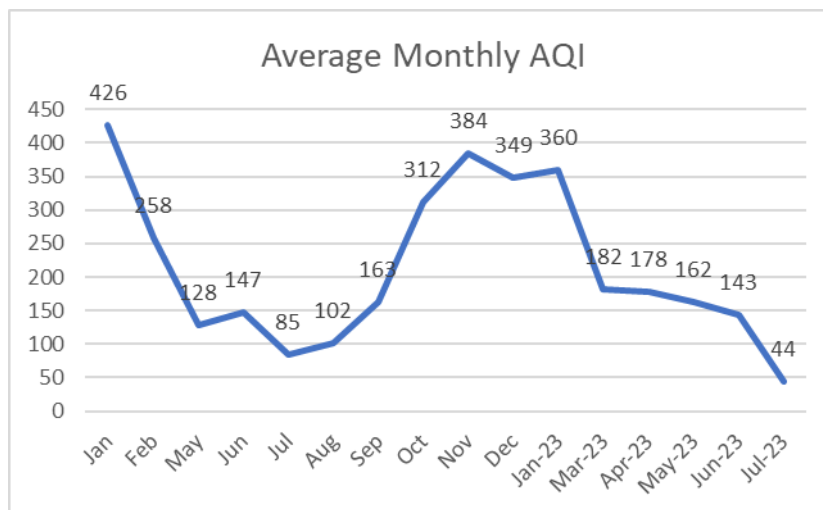


Table - AQI Categories Month Wise

|     | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Total |
|-----|------|--------|---------|---------|---------|------|-------|
| Jan |      |        |         | 2       | 1       | 1    | 4     |
| Feb |      |        | 1       | 15      | 5       |      | 21    |
| May |      | 7      | 17      |         |         |      | 24    |
| Jun |      | 4      | 24      | 2       |         |      | 30    |
| Jul | 9    | 12     | 9       |         |         |      | 30    |
| Aug | 3    | 7      | 6       | 1       |         |      | 17    |
| Sep |      |        | 2       |         |         |      | 2     |

|        |   |   |    |   |    |    |    |
|--------|---|---|----|---|----|----|----|
| Oct    |   |   | 3  | 5 | 13 | 2  | 23 |
| Nov    |   |   |    |   | 19 | 11 | 30 |
| Dec    |   |   | 2  | 6 | 13 | 10 | 31 |
| Jan-23 |   |   |    | 6 | 6  | 9  | 21 |
| Mar-23 |   |   | 2  | 2 |    |    | 4  |
| Apr-23 |   | 3 | 17 | 8 | 2  |    | 30 |
| May-23 |   | 1 | 27 | 3 |    |    | 31 |
| Jun-23 |   | 7 | 19 | 3 | 1  |    | 30 |
| Jul-23 | 2 |   |    |   |    |    | 2  |

Table - Maximum AQI Time Intervals Wise (15 Minute Interval)

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Jan    | 391              |                 | 1994            | 1205             |
| Feb    | 978              | 1221            | 514             | 1326             |
| May    | 1003             | 507             | 1150            | 836              |
| Jun    | 381              | 677             | 514             | 1033             |
| Jul    | 409              | 413             | 560             | 423              |
| Aug    | 412              | 451             | 369             | 558              |
| Sep    | 48               | 277             | 327             | 394              |
| Oct    | 889              | 6113            | 6113            | 1675             |
| Nov    | 1538             | 2001            | 1988            | 1726             |
| Dec    | 1174             | 1895            | 1910            | 1839             |
| Jan-23 | 983              | 1954            | 1878            | 1998             |
| Mar-23 | 342              | 1336            | 394             | 452              |
| Apr-23 | 624              | 1646            | 1418            | 1579             |
| May-23 | 1720             | 880             | 1288            | 1533             |
| Jun-23 | 1315             | 1228            | 1158            | 1225             |
| Jul-23 | 270              | 388             | 167             | 127              |

Table - Average AQI Time Interval Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Jan    | 237              |                 | 340             | 474              |
| Feb    | 234              | 318             | 121             | 364              |
| May    | 132              | 145             | 90              | 148              |
| Jun    | 141              | 175             | 105             | 167              |
| Jul    | 62               | 88              | 85              | 103              |
| Aug    | 74               | 117             | 87              | 131              |
| Sep    | 26               | 132             | 194             | 187              |
| Oct    | 241              | 366             | 295             | 343              |
| Nov    | 338              | 434             | 342             | 424              |
| Dec    | 308              | 401             | 287             | 398              |
| Jan-23 | 296              | 424             | 294             | 425              |
| Mar-23 | 209              | 229             | 104             | 190              |
| Apr-23 | 184              | 232             | 90              | 198              |
| May-23 | 187              | 177             | 90              | 187              |
| Jun-23 | 155              | 159             | 95              | 158              |
| Jul-23 | 37               | 61              | 34              | 42               |

Note - The device did not work between 21 Feb to 6 May 2022. Device did not work in Feb 2023

- 861480034786105 - RSS Nagar

Table - Monthly Average and Maximum AQI and HI

|        | Avg AQI | Avg HI | Max AQI | Max HI |
|--------|---------|--------|---------|--------|
| Jan    | 298     | 18     | 1898    | 29     |
| Feb    | 205     | 22     | 939     | 36     |
| Mar    | 273     | 29     | 1225    | 44     |
| Apr    | 238     | 36     | 1190    | 52     |
| May    | 125     | 39     | 1205    | 58     |
| Jun    | 134     | 39     | 1278    | 58     |
| Jul    | 81      | 36     | 1010    | 62     |
| Aug    | 102     | 34     | 963     | 58     |
| Sep    | 119     | 34     | 730     | 60     |
| Oct    | 179     | 29     | 1125    | 49     |
| Nov    | 327     | 23     | 1115    | 38     |
| Dec    | 317     | 21     | 1315    | 36     |
| Jan-23 | 312     | 22     | 1781    | 40     |
| Feb-23 | 217     | 25     | 1480    | 53     |
| Mar-23 | 246     | 30     | 1310    | 57     |
| Apr-23 | 194     | 34     | 1738    | 63     |
| May-23 | 156     | 40     | 1380    | 71     |
| Jun-23 | 118     | 42     | 1365    | 88     |
| Jul-23 | 99      | 40     | 495     | 87     |

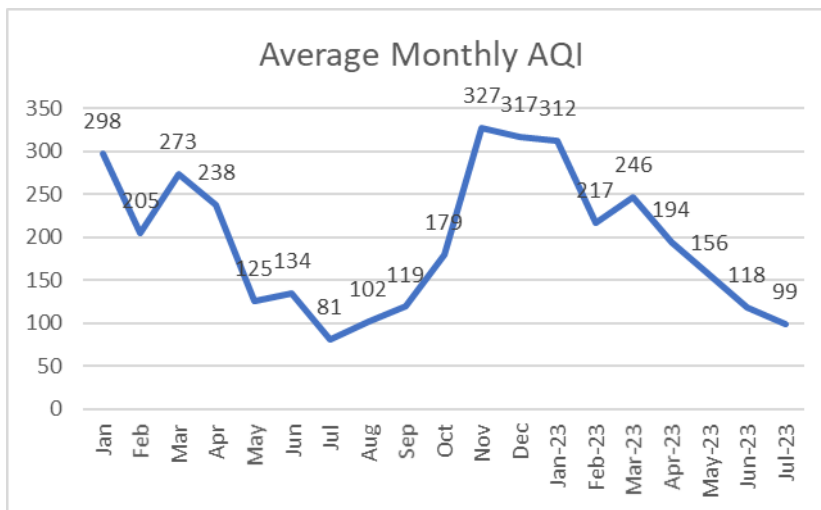


Table - AQI Categories Month Wise

|     | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Total |
|-----|------|--------|---------|---------|---------|------|-------|
| Jan |      |        |         | 11      | 9       |      | 20    |
| Feb |      |        | 14      | 12      | 2       |      | 28    |
| Mar |      |        | 12      | 7       | 8       | 4    | 31    |
| Apr |      |        | 6       | 18      | 5       | 1    | 30    |
| May |      | 6      | 25      |         |         |      | 31    |
| Jun |      | 3      | 26      | 1       |         |      | 30    |
| Jul | 9    | 14     | 7       |         |         |      | 30    |
| Aug | 5    | 11     | 11      | 2       |         |      | 29    |



|        |   |    |    |    |    |   |    |
|--------|---|----|----|----|----|---|----|
| Sep    | 2 | 7  | 19 | 2  |    |   | 30 |
| Oct    | 1 | 7  | 8  | 15 |    |   | 31 |
| Nov    |   |    |    | 7  | 22 | 1 | 30 |
| Dec    |   |    | 1  | 6  | 12 | 2 | 21 |
| Jan-23 |   |    | 1  | 14 | 13 | 3 | 31 |
| Feb-23 |   | 1  | 10 | 14 | 3  |   | 28 |
| Mar-23 |   |    | 6  | 19 | 6  |   | 31 |
| Apr-23 |   | 1  | 16 | 9  | 4  |   | 30 |
| May-23 |   | 2  | 26 | 3  |    |   | 31 |
| Jun-23 | 2 | 8  | 20 |    |    |   | 30 |
| Jul-23 | 2 | 11 | 5  | 1  |    |   | 19 |

Table - Maximum AQI Time Intervals Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Jan    | 554              | 758             | 1898            | 1593             |
| Feb    | 562              | 918             | 582             | 939              |
| Mar    | 1060             | 1068            | 1225            | 1048             |
| Apr    | 845              | 1103            | 1190            | 1118             |
| May    | 628              | 1040            | 1030            | 1205             |
| Jun    | 625              | 1118            | 1278            | 970              |
| Jul    | 709              | 635             | 1010            | 505              |
| Aug    | 359              | 963             | 394             | 629              |
| Sep    | 330              | 578             | 377             | 730              |
| Oct    | 494              | 705             | 363             | 1125             |
| Nov    | 765              | 853             | 1115            | 1115             |
| Dec    | 1203             | 1130            | 1180            | 1315             |
| Jan-23 | 1033             | 844             | 840             | 1781             |
| Feb-23 | 1144             | 1018            | 1095            | 1480             |
| Mar-23 | 933              | 775             | 1310            | 1065             |
| Apr-23 | 913              | 1470            | 875             | 1738             |
| May-23 | 963              | 1380            | 1118            | 628              |
| Jun-23 | 346              | 805             | 1365            | 563              |
| Jul-23 | 331              | 495             | 325             | 445              |

Table - Average AQI Time Interval Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Jan    | 258              | 344             | 209             | 383              |
| Feb    | 170              | 265             | 109             | 278              |
| Mar    | 287              | 328             | 141             | 337              |
| Apr    | 232              | 288             | 134             | 298              |
| May    | 105              | 156             | 97              | 142              |
| Jun    | 114              | 173             | 100             | 151              |
| Jul    | 58               | 86              | 75              | 102              |
| Aug    | 82               | 103             | 74              | 148              |
| Sep    | 94               | 140             | 84              | 156              |
| Oct    | 158              | 188             | 123             | 247              |
| Nov    | 311              | 355             | 238             | 404              |
| Dec    | 306              | 362             | 209             | 389              |
| Jan-23 | 313              | 348             | 219             | 374              |

|        |     |     |     |     |
|--------|-----|-----|-----|-----|
| Feb-23 | 195 | 248 | 111 | 311 |
| Mar-23 | 272 | 278 | 141 | 294 |
| Apr-23 | 188 | 241 | 106 | 237 |
| May-23 | 149 | 200 | 84  | 188 |
| Jun-23 | 108 | 135 | 75  | 156 |
| Jul-23 | 89  | 95  | 62  | 153 |

- 861480034775850 - Child Home Darri

Table - Monthly Average and Maximum AQI and HI

|        | Avg AQI | Avg HI | Max AQI | Max HI |
|--------|---------|--------|---------|--------|
| Jan    | 293     | 19     | 694     | 28     |
| Feb    | 175     | 23     | 1574    | 41     |
| Mar    | 194     | 30     | 723     | 49     |
| Apr    | 159     | 35     | 586     | 55     |
| May    | 76      | 39     | 545     | 58     |
| Jun    | 88      | 38     | 1225    | 59     |
| Jul    | 65      | 34     | 466     | 54     |
| Aug    | 77      | 33     | 726     | 57     |
| Sep    | 80      | 33     | 547     | 54     |
| Oct    | 134     | 30     | 1511    | 53     |
| Nov    | 252     | 24     | 1275    | 43     |
| Dec    | 219     | 22     | 985     | 41     |
| Jan-23 | 232     | 22     | 928     | 43     |
| Feb-23 | 141     | 25     | 998     | 45     |
| Mar-23 | 154     | 28     | 1561    | 49     |
| Apr-23 | 124     | 32     | 725     | 53     |
| May-23 | 98      | 36     | 717     | 60     |
| Jun-23 | 73      | 40     | 626     | 64     |
| Jul-23 | 59      | 39     | 502     | 63     |
| Aug-23 | 67      | 35     | 661     | 61     |
| Sep-23 | 80      | 35     | 496     | 65     |
| Oct-23 | 128     | 32     | 554     | 61     |

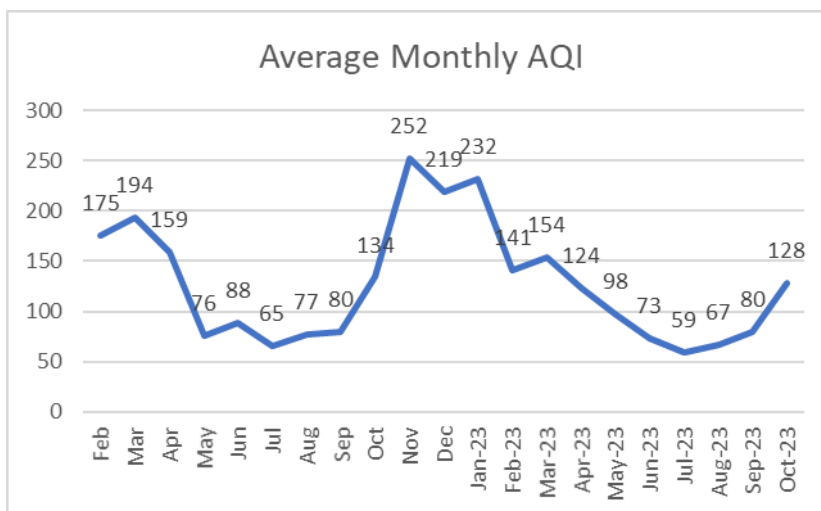


Table - AQI Categories Month Wise

|     | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Total |
|-----|------|--------|---------|---------|---------|------|-------|
| Jan |      | 1      |         | 8       | 4       | 1    | 14    |
| Feb |      | 1      | 18      | 8       | 1       |      | 28    |
| Mar |      | 5      | 12      | 9       | 5       |      | 31    |
| Apr |      | 2      | 22      | 4       | 2       |      | 30    |

|        |    |    |    |    |   |    |
|--------|----|----|----|----|---|----|
| May    | 3  | 21 | 3  |    |   | 27 |
| Jun    | 2  | 17 | 11 |    |   | 30 |
| Jul    | 12 | 13 | 3  |    |   | 28 |
| Aug    | 12 | 11 | 8  |    |   | 31 |
| Sep    | 5  | 18 | 4  |    |   | 27 |
| Oct    | 1  | 9  | 18 | 3  |   | 31 |
| Nov    |    |    | 4  | 22 | 4 | 30 |
| Dec    |    | 4  | 5  | 17 | 5 | 31 |
| Jan-23 |    |    | 13 | 9  | 9 | 31 |
| Feb-23 | 1  | 8  | 14 | 4  | 1 | 28 |
| Mar-23 |    | 3  | 23 | 4  | 1 | 31 |
| Apr-23 |    | 12 | 14 | 4  |   | 30 |
| May-23 |    | 15 | 11 | 1  |   | 27 |
| Jun-23 | 3  | 25 | 2  |    |   | 30 |
| Jul-23 | 14 | 15 | 2  |    |   | 31 |
| Aug-23 | 7  | 23 | 1  |    |   | 31 |
| Sep-23 | 5  | 20 | 4  | 1  |   | 30 |
| Oct-23 | 2  | 6  | 22 | 1  |   | 31 |

Table - Maximum AQI Time Intervals Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Jan    | 411              | 562             | 501             | 694              |
| Feb    | 426              | 876             | 368             | 1574             |
| Mar    | 582              | 723             | 418             | 628              |
| Apr    | 469              | 586             | 333             | 583              |
| May    | 367              | 417             | 436             | 545              |
| Jun    | 433              | 1225            | 297             | 963              |
| Jul    | 378              | 369             | 305             | 466              |
| Aug    | 381              | 445             | 306             | 726              |
| Sep    | 311              | 514             | 381             | 547              |
| Oct    | 423              | 420             | 849             | 1511             |
| Nov    | 393              | 675             | 751             | 1275             |
| Dec    | 607              | 602             | 728             | 985              |
| Jan-23 | 432              | 789             | 768             | 928              |
| Feb-23 | 870              | 998             | 512             | 565              |
| Mar-23 | 748              | 1561            | 329             | 793              |
| Apr-23 | 581              | 512             | 217             | 725              |
| May-23 | 447              | 524             | 307             | 717              |
| Jun-23 | 458              | 530             | 342             | 626              |
| Jul-23 | 302              | 392             | 325             | 502              |
| Aug-23 | 552              | 420             | 318             | 661              |
| Sep-23 | 358              | 342             | 320             | 496              |
| Oct-23 | 352              | 554             | 475             | 529              |

Table - Average AQI Time Interval Wise

|     | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|-----|------------------|-----------------|-----------------|------------------|
| Jan | 272              | 327             | 224             | 346              |
| Feb | 148              | 201             | 87              | 263              |
| Mar | 195              | 222             | 102             | 259              |

|        |     |     |     |     |
|--------|-----|-----|-----|-----|
| Apr    | 172 | 195 | 73  | 198 |
| May    | 68  | 91  | 50  | 95  |
| Jun    | 73  | 113 | 59  | 107 |
| Jul    | 38  | 71  | 57  | 87  |
| Aug    | 57  | 75  | 62  | 116 |
| Sep    | 57  | 87  | 71  | 106 |
| Oct    | 108 | 119 | 98  | 207 |
| Nov    | 257 | 259 | 163 | 332 |
| Dec    | 229 | 227 | 128 | 293 |
| Jan-23 | 225 | 249 | 152 | 301 |
| Feb-23 | 123 | 150 | 65  | 216 |
| Mar-23 | 151 | 174 | 72  | 217 |
| Apr-23 | 124 | 142 | 54  | 167 |
| May-23 | 92  | 115 | 50  | 128 |
| Jun-23 | 68  | 88  | 47  | 83  |
| Jul-23 | 41  | 62  | 45  | 86  |
| Aug-23 | 49  | 71  | 47  | 100 |
| Sep-23 | 61  | 82  | 61  | 113 |
| Oct-23 | 114 | 133 | 76  | 190 |

- 861480034777765- Sikri Village (Relocated to sikri in Feb 2023)

Table - Monthly Average and Maximum AQI and HI

|        | Avg AQI | Avg HI | Max AQI | Max HI |
|--------|---------|--------|---------|--------|
| Jan    | 194     | 18     | 1543    | 28     |
| Feb    | 157     | 22     | 1371    | 47     |
| Mar    | 137     | 28     | 1281    | 43     |
| Jul    | 43      | 42     | 103     | 52     |
| Aug    | 91      | 38     | 694     | 51     |
| Feb-23 | 303     | 26     | 1875    | 37     |
| Mar-23 | 270     | 27     | 1466    | 42     |
| Apr-23 | 217     | 34     | 908     | 44     |
| May-23 | 178     | 37     | 1378    | 49     |
| Jun-23 | 151     | 40     | 1264    | 53     |
| Jul-23 | 110     | 37     | 869     | 55     |
| Aug-23 | 106     | 32     | 1670    | 48     |
| Sep-23 | 161     | 34     | 555     | 52     |
| Oct-23 | 239     | 30     | 1995    | 44     |

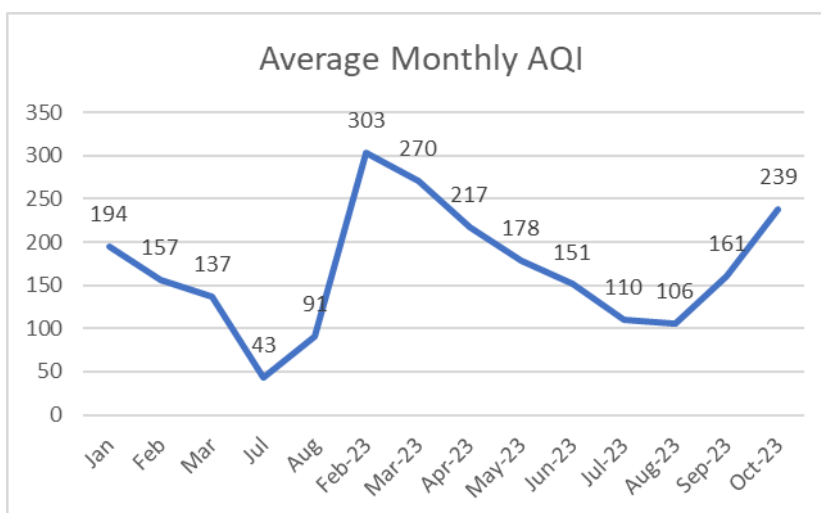


Table - AQI Categories Month Wise

|        | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Total |
|--------|------|--------|---------|---------|---------|------|-------|
| Jan    |      |        | 7       | 3       | 1       |      | 11    |
| Feb    |      | 3      | 16      | 5       |         |      | 24    |
| Mar    |      | 4      | 14      | 1       | 1       |      | 20    |
| Jul    | 1    |        |         |         |         |      | 1     |
| Aug    | 3    | 4      | 4       |         |         |      | 11    |
| Feb-23 |      |        |         | 6       | 3       | 2    | 11    |
| Mar-23 |      |        | 3       | 18      | 8       | 1    | 30    |
| Apr-23 |      |        | 2       | 2       | 1       |      | 5     |
| May-23 | 1    | 1      | 18      | 7       |         |      | 27    |
| Jun-23 |      | 7      | 15      | 4       | 1       |      | 27    |
| Jul-23 |      | 18     | 8       | 2       |         |      | 28    |
| Aug-23 | 3    | 8      | 6       | 1       |         |      | 18    |

|        |   |   |    |    |   |  |    |
|--------|---|---|----|----|---|--|----|
| Sep-23 | 1 | 3 | 10 | 2  | 2 |  | 18 |
| Oct-23 |   | 2 | 8  | 13 | 5 |  | 28 |

Table - Maximum AQI Time Intervals Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Jan    | 464              | 700             | 1543            | 1501             |
| Feb    | 458              | 1179            | 1145            | 1371             |
| Mar    | 405              | 884             | 392             | 1281             |
| Jul    | 67               | 68              | 103             | 97               |
| Aug    | 335              | 408             | 499             | 694              |
| Feb-23 | 544              | 1875            | 628             | 1609             |
| Mar-23 | 615              | 1466            | 1324            | 1408             |
| Apr-23 | 635              | 908             | 360             | 522              |
| May-23 | 1093             | 1378            | 556             | 776              |
| Jun-23 | 874              | 1264            | 1036            | 520              |
| Jul-23 | 452              | 841             | 869             | 587              |
| Aug-23 | 350              | 368             | 1670            | 693              |
| Sep-23 | 441              | 555             | 514             | 511              |
| Oct-23 | 1143             | 839             | 1995            | 725              |

Table - Average AQI Time Interval Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Jan    | 164              | 209             | 100             | 306              |
| Feb    | 133              | 174             | 81              | 234              |
| Mar    | 122              | 126             | 76              | 220              |
| Jul    | 36               | 41              | 40              | 59               |
| Aug    | 61               | 101             | 101             | 102              |
| Feb-23 | 268              | 310             | 165             | 464              |
| Mar-23 | 256              | 302             | 171             | 355              |
| Apr-23 | 289              | 248             | 98              | 231              |
| May-23 | 214              | 208             | 86              | 212              |
| Jun-23 | 182              | 155             | 97              | 168              |
| Jul-23 | 90               | 118             | 89              | 140              |
| Aug-23 | 80               | 100             | 123             | 121              |
| Sep-23 | 146              | 170             | 158             | 168              |
| Oct-23 | 235              | 242             | 192             | 289              |

- 861480034765562 - Gevra Mines Rehabilitated Area

Table - Monthly Average and Maximum AQI and HI

|        | Avg AQI | Avg HI | Max AQI | Max HI |
|--------|---------|--------|---------|--------|
| Jan    | 350     | 20     | 1168    | 27     |
| Feb    | 185     | 23     | 1640    | 39     |
| Mar    | 212     | 29     | 1515    | 48     |
| Apr    | 238     | 35     | 1040    | 52     |
| May    | 98      | 38     | 1300    | 56     |
| Jun    | 109     | 38     | 1156    | 52     |
| Jul    | 66      | 36     | 939     | 56     |
| Aug    | 69      | 35     | 633     | 49     |
| Sep    | 74      | 36     | 1110    | 55     |
| Oct    | 99      | 31     | 883     | 54     |
| Nov    | 185     | 25     | 1220    | 38     |
| Dec    | 230     | 23     | 1468    | 31     |
| Jan-23 | 210     | 21     | 1228    | 28     |
| Feb-23 | 131     | 25     | 1473    | 37     |
| Mar-23 | 144     | 29     | 1090    | 40     |
| Apr-23 | 92      | 32     | 1183    | 43     |
| May-23 | 97      | 37     | 540     | 56     |
| Jun-23 | 64      | 40     | 1250    | 54     |
| Jul-23 | 47      | 40     | 1170    | 54     |
| Aug-23 | 66      | 38     | 1263    | 54     |
| Sep-23 | 194     | 39     | 430     | 60     |
| Oct-23 | 315     | 34     | 604     | 50     |

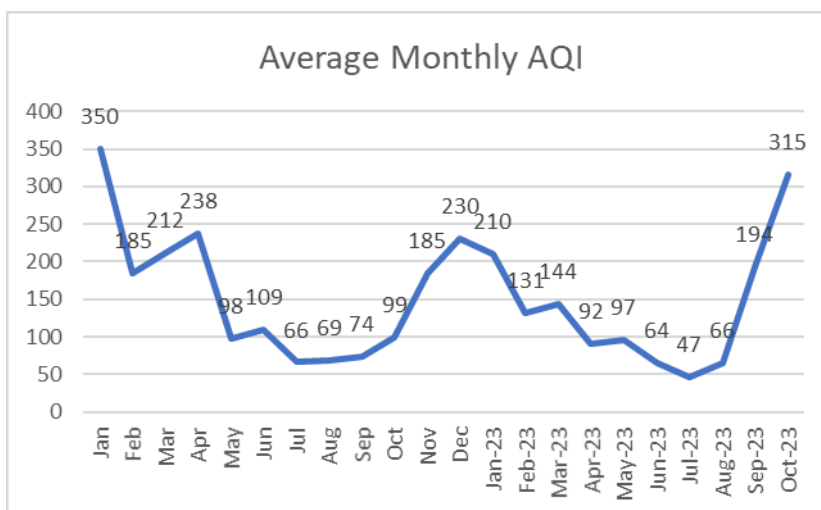


Table - AQI Categories Month Wise

|     | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Total |
|-----|------|--------|---------|---------|---------|------|-------|
| Jan |      |        |         |         | 1       |      | 1     |
| Feb |      |        | 17      | 9       | 1       |      | 27    |
| Mar |      | 1      | 14      | 10      | 6       |      | 31    |
| Apr |      |        | 7       | 13      | 5       |      | 25    |



|        |    |    |    |    |    |  |    |
|--------|----|----|----|----|----|--|----|
| May    | 1  | 14 | 13 |    |    |  | 28 |
| Jun    |    | 15 | 14 | 1  |    |  | 30 |
| Jul    | 11 | 17 | 3  |    |    |  | 31 |
| Aug    | 15 | 11 | 5  |    |    |  | 31 |
| Sep    | 6  | 15 | 3  |    |    |  | 24 |
| Oct    | 5  | 10 | 16 |    |    |  | 31 |
| Nov    |    |    | 11 | 7  |    |  | 18 |
| Dec    |    |    | 8  | 8  | 5  |  | 21 |
| Jan-23 |    | 1  | 9  | 5  | 4  |  | 19 |
| Feb-23 |    | 7  | 17 | 4  |    |  | 28 |
| Mar-23 |    | 6  | 21 | 4  |    |  | 31 |
| Apr-23 |    | 11 | 4  |    |    |  | 15 |
| May-23 |    | 17 | 14 |    |    |  | 31 |
| Jun-23 | 12 | 16 | 2  |    |    |  | 30 |
| Jul-23 | 18 | 13 |    |    |    |  | 31 |
| Aug-23 | 15 | 10 | 4  | 2  |    |  | 31 |
| Sep-23 |    |    | 15 | 10 |    |  | 25 |
| Oct-23 |    |    | 3  | 4  | 23 |  | 30 |

Table - Maximum AQI Time Intervals Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Jan    |                  |                 | 267             | 1168             |
| Feb    | 750              | 1448            | 1248            | 1640             |
| Mar    | 550              | 1515            | 1415            | 1064             |
| Apr    | 1040             | 546             | 463             | 1020             |
| May    | 330              | 970             | 798             | 1300             |
| Jun    | 1114             | 598             | 358             | 1156             |
| Jul    | 522              | 939             | 619             | 673              |
| Aug    | 277              | 633             | 409             | 485              |
| Sep    | 227              | 450             | 1110            | 728              |
| Oct    | 883              | 706             | 585             | 443              |
| Nov    | 362              | 589             | 1220            | 414              |
| Dec    | 428              | 1468            | 1164            | 993              |
| Jan-23 | 1015             | 568             | 993             | 1228             |
| Feb-23 | 675              | 1135            | 1473            | 417              |
| Mar-23 | 474              | 905             | 452             | 1090             |
| Apr-23 | 345              | 634             | 645             | 1183             |
| May-23 | 327              | 400             | 308             | 540              |
| Jun-23 | 335              | 398             | 1250            | 351              |
| Jul-23 | 348              | 336             | 542             | 1170             |
| Aug-23 | 1263             | 447             | 1173            | 385              |
| Sep-23 | 337              | 430             | 391             | 362              |
| Oct-23 | 358              | 489             | 604             | 560              |

Table - Average AQI Time Interval Wise

|     | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|-----|------------------|-----------------|-----------------|------------------|
| Jan |                  |                 | 81              | 519              |
| Feb | 179              | 194             | 99              | 271              |

|        |     |     |     |     |
|--------|-----|-----|-----|-----|
| Mar    | 214 | 231 | 126 | 278 |
| Apr    | 265 | 284 | 140 | 249 |
| May    | 93  | 111 | 69  | 120 |
| Jun    | 110 | 125 | 70  | 131 |
| Jul    | 46  | 85  | 62  | 72  |
| Aug    | 51  | 79  | 65  | 84  |
| Sep    | 50  | 87  | 80  | 82  |
| Oct    | 75  | 100 | 83  | 147 |
| Nov    | 150 | 187 | 155 | 257 |
| Dec    | 210 | 242 | 159 | 313 |
| Jan-23 | 200 | 221 | 158 | 275 |
| Feb-23 | 101 | 116 | 76  | 222 |
| Mar-23 | 134 | 163 | 90  | 191 |
| Apr-23 | 89  | 119 | 63  | 96  |
| May-23 | 109 | 110 | 49  | 117 |
| Jun-23 | 63  | 71  | 49  | 72  |
| Jul-23 | 39  | 52  | 39  | 57  |
| Aug-23 | 67  | 63  | 55  | 76  |
| Sep-23 | 181 | 195 | 185 | 212 |
| Oct-23 | 313 | 312 | 302 | 336 |

- 861480034757130 - Korba City

Table - Monthly Average and Maximum AQI and HI

|        | Avg AQI | Avg HI | Max AQI | Max HI |
|--------|---------|--------|---------|--------|
| Jan    | 393     | 19     | 1984    | 24     |
| Feb    | 252     | 23     | 1243    | 46     |
| Mar    | 275     | 25     | 413     | 31     |
| Apr    | 165     | 37     | 1305    | 50     |
| May    | 119     | 40     | 1210    | 59     |
| Jun    | 132     | 39     | 445     | 53     |
| Jul    | 96      | 36     | 1965    | 53     |
| Aug    | 58      | 34     | 1455    | 44     |
| Sep    | 71      | 35     | 1278    | 45     |
| Oct    | 85      | 32     | 3158    | 44     |
| Nov    | 158     | 22     | 885     | 41     |
| Dec    | 150     | 22     | 1260    | 37     |
| Jan-23 | 157     | 23     | 1463    | 39     |
| Feb-23 | 137     | 24     | 1283    | 42     |
| Mar-23 | 167     | 28     | 1235    | 47     |
| Apr-23 | 120     | 30     | 1418    | 52     |
| May-23 | 116     | 37     | 1420    | 57     |
| Jun-23 | 101     | 40     | 1323    | 58     |
| Jul-23 | 89      | 38     | 143     | 41     |
| Sep-23 | 62      | 27     | 133     | 34     |
| Oct-23 | 100     | 24     | 167     | 26     |

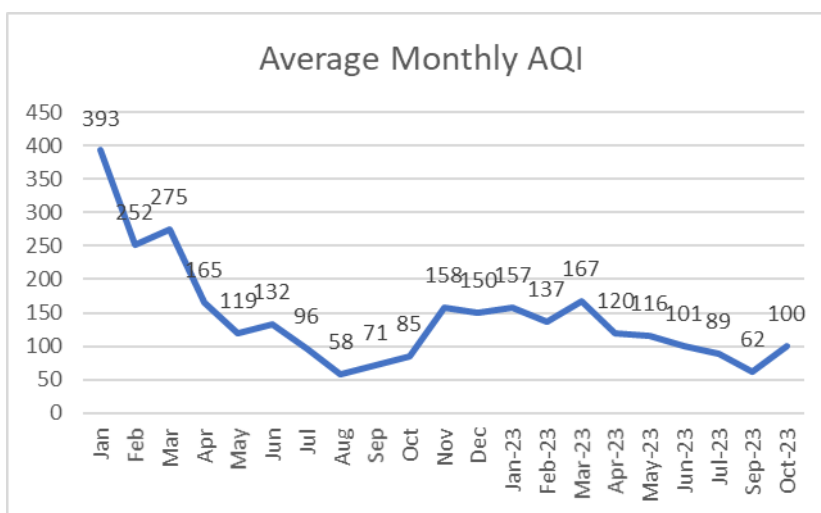


Table - AQI Categories Month Wise

|     | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Total |
|-----|------|--------|---------|---------|---------|------|-------|
| Jan |      |        | 2       | 1       | 3       | 1    | 7     |
| Feb |      | 1      | 3       | 21      | 3       |      | 28    |
| Mar |      |        | 1       |         |         | 1    | 2     |
| Apr |      |        | 5       |         |         |      | 5     |
| May |      | 7      | 17      |         |         |      | 24    |

|        |    |    |    |   |   |    |
|--------|----|----|----|---|---|----|
| Jun    |    | 3  | 12 | 1 |   | 16 |
| Jul    | 3  | 6  | 3  | 1 |   | 13 |
| Aug    | 12 | 11 | 2  |   |   | 25 |
| Sep    | 5  | 22 | 3  |   |   | 30 |
| Oct    | 3  | 10 | 7  |   |   | 20 |
| Nov    |    | 1  | 14 | 1 |   | 16 |
| Dec    |    | 3  | 23 | 2 |   | 28 |
| Jan-23 |    |    | 18 | 3 |   | 21 |
| Feb-23 |    | 5  | 20 | 3 |   | 28 |
| Mar-23 | 1  | 4  | 19 | 6 | 1 | 31 |
| Apr-23 |    | 17 | 8  | 4 | 1 | 30 |
| May-23 | 2  | 8  | 21 |   |   | 31 |
| Jun-23 | 2  | 9  | 8  |   |   | 19 |
| Jul-23 | 1  |    | 1  |   |   | 2  |
| Sep-23 | 3  | 1  |    |   |   | 4  |
| Oct-23 |    | 1  | 1  |   |   | 2  |

Table – Maximum AQI Time Intervals Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Jan    | 367              | 387             | 1984            | 1369             |
| Feb    | 368              | 923             | 1243            | 1011             |
| Mar    | 0                | 137             |                 | 413              |
| Apr    | 598              | 955             | 328             | 1305             |
| May    | 933              | 1210            | 1175            | 389              |
| Jun    | 207              | 445             | 429             | 435              |
| Jul    | 808              | 1233            | 1965            | 385              |
| Aug    | 948              | 468             | 1348            | 1455             |
| Sep    | 1100             | 435             | 673             | 1278             |
| Oct    | 609              | 3158            | 1303            | 1280             |
| Nov    | 306              | 885             | 810             | 585              |
| Dec    | 1260             | 1185            | 918             | 885              |
| Jan    | 320              | 1463            | 1273            | 1048             |
| Feb-23 | 335              | 1238            | 1283            | 821              |
| Mar-23 | 1113             | 663             | 1140            | 1235             |
| Apr-23 | 1290             | 865             | 1418            | 455              |
| May-23 | 1328             | 1178            | 1420            | 1253             |
| Jun-23 | 1190             | 1308            | 1323            | 835              |
| Jul-23 |                  |                 |                 | 143              |
| Sep-23 |                  |                 |                 | 133              |
| Oct-23 |                  |                 | 53              | 167              |

Table - Average AQI Time Interval Wise

|     | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|-----|------------------|-----------------|-----------------|------------------|
| Jan | 282              | 364             | 334             | 445              |
| Feb | 209              | 328             | 127             | 340              |
| Mar |                  | 137             |                 | 413              |
| Apr | 117              | 244             | 87              | 212              |
| May | 97               | 134             | 104             | 140              |

|        |     |     |     |     |
|--------|-----|-----|-----|-----|
| Jun    | 93  | 159 | 112 | 162 |
| Jul    | 52  | 95  | 128 | 114 |
| Aug    | 40  | 49  | 56  | 82  |
| Sep    | 43  | 76  | 64  | 100 |
| Oct    | 51  | 103 | 72  | 114 |
| Nov    | 107 | 209 | 100 | 215 |
| Dec    | 114 | 194 | 102 | 189 |
| Jan    | 100 | 198 | 109 | 213 |
| Feb-23 | 88  | 173 | 79  | 196 |
| Mar-23 | 166 | 204 | 102 | 191 |
| Apr-23 | 108 | 157 | 77  | 131 |
| May-23 | 91  | 152 | 91  | 127 |
| Jun-23 | 72  | 138 | 87  | 107 |
| Jul-23 |     |     |     | 89  |
| Sep-23 |     |     |     | 62  |
| Oct-23 |     |     | 53  | 107 |

- 862649042673930- Balco Housing Area

Table - Monthly Average and Maximum AQI and HI

|        | Average AQI | Average HI | Maximum AQI | Maximum HI |
|--------|-------------|------------|-------------|------------|
| Jan    | 240         | 17         | 770         | 26         |
| Feb    | 137         | 23         | 958         | 52         |
| Mar    | 215         | 31         | 1059        | 62         |
| Apr    | 181         | 38         | 703         | 70         |
| May    | 86          | 44         | 335         | 76         |
| Jun    | 86          | 42         | 306         | 77         |
| Oct    | 73          | 44         | 123         | 53         |
| Nov    | 221         | 20         | 1005        | 43         |
| Dec    | 202         | 21         | 1418        | 44         |
| Jan-23 | 218         | 21         | 565         | 46         |
| Feb-23 | 160         | 23         | 1368        | 51         |
| Mar-23 | 177         | 29         | 791         | 64         |
| Apr-23 | 144         | 34         | 565         | 77         |

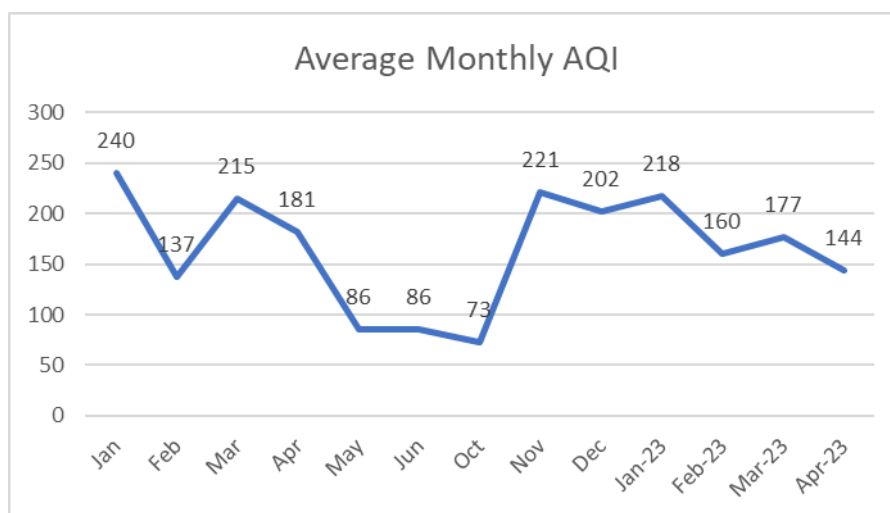


Table - AQI Categories Month Wise

|        | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Total |
|--------|------|--------|---------|---------|---------|------|-------|
| Jan    |      |        | 5       | 15      | 8       | 3    | 31    |
| Feb    |      | 6      | 18      | 4       |         |      | 28    |
| Mar    |      | 7      | 10      | 8       | 2       | 4    | 31    |
| Apr    |      | 2      | 19      | 5       | 3       | 1    | 30    |
| May    |      | 15     | 6       |         |         |      | 21    |
| Jun    |      | 10     | 6       |         |         |      | 16    |
| Oct    |      | 1      |         |         |         |      | 1     |
| Nov    |      |        | 5       | 10      | 5       |      | 20    |
| Dec    |      | 1      | 14      | 15      | 1       |      | 31    |
| Jan-23 |      |        | 14      | 11      | 6       |      | 31    |
| Feb-23 | 1    | 4      | 17      | 5       | 1       |      | 28    |

|        |  |   |    |   |   |  |    |
|--------|--|---|----|---|---|--|----|
| Mar-23 |  | 4 | 18 | 7 | 2 |  | 31 |
| Apr-23 |  | 9 | 11 | 5 |   |  | 25 |

Table - Maximum AQI Time Intervals Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Jan    | 475              | 770             | 352             | 701              |
| Feb    | 364              | 836             | 277             | 958              |
| Mar    | 1059             | 1019            | 394             | 824              |
| Apr    | 703              | 559             | 336             | 519              |
| May    | 240              | 328             | 240             | 335              |
| Jun    | 300              | 306             | 233             | 302              |
| Oct    |                  | 123             |                 |                  |
| Nov    | 451              | 471             | 925             | 1005             |
| Dec    | 477              | 534             | 843             | 1418             |
| Jan    | 465              | 427             | 420             | 565              |
| Feb-23 | 1368             | 614             | 328             | 951              |
| Mar-23 | 791              | 560             | 396             | 588              |
| Apr-23 | 565              | 511             | 313             | 435              |

Table - Average AQI Time Interval Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Jan    | 215              | 292             | 128             | 307              |
| Feb    | 118              | 169             | 76              | 186              |
| Mar    | 252              | 248             | 117             | 242              |
| Apr    | 190              | 229             | 109             | 197              |
| May    | 85               | 85              | 77              | 96               |
| Jun    | 94               | 112             | 59              | 81               |
| Oct    |                  | 73              |                 |                  |
| Nov    | 177              | 222             | 171             | 312              |
| Dec    | 178              | 202             | 136             | 294              |
| Jan    | 223              | 213             | 158             | 276              |
| Feb-23 | 205              | 154             | 75              | 201              |
| Mar-23 | 205              | 183             | 108             | 210              |
| Apr-23 | 166              | 172             | 80              | 157              |

- 861480034765406 - Kusmunda Mines Area

Table - Monthly Average and Maximum AQI and HI

|        | Avg AQI | Avg HI | Max AQI | Max HI |
|--------|---------|--------|---------|--------|
| Jan    | 221     | 18     | 1555    | 25     |
| Feb    | 258     | 25     | 1683    | 52     |
| Mar    | 260     | 32     | 1774    | 60     |
| Apr    | 319     | 37     | 1921    | 49     |
| May    | 179     | 40     | 1996    | 61     |
| Jun    | 200     | 40     | 1969    | 55     |
| Jul    | 157     | 37     | 1984    | 50     |
| Aug    | 168     | 36     | 1955    | 53     |
| Sep    | 184     | 41     | 452     | 44     |
| Oct    | 176     | 30     | 8675    | 42     |
| Nov    | 279     | 24     | 1948    | 31     |
| Jan-23 | 342     | 23     | 1979    | 33     |
| Feb-23 | 236     | 24     | 1980    | 36     |
| Mar-23 | 226     | 28     | 1903    | 48     |
| Apr-23 | 193     | 34     | 1541    | 55     |
| May-23 | 180     | 38     | 1715    | 67     |
| Jun-23 | 130     | 41     | 1631    | 72     |
| Jul-23 | 97      | 40     | 606     | 79     |

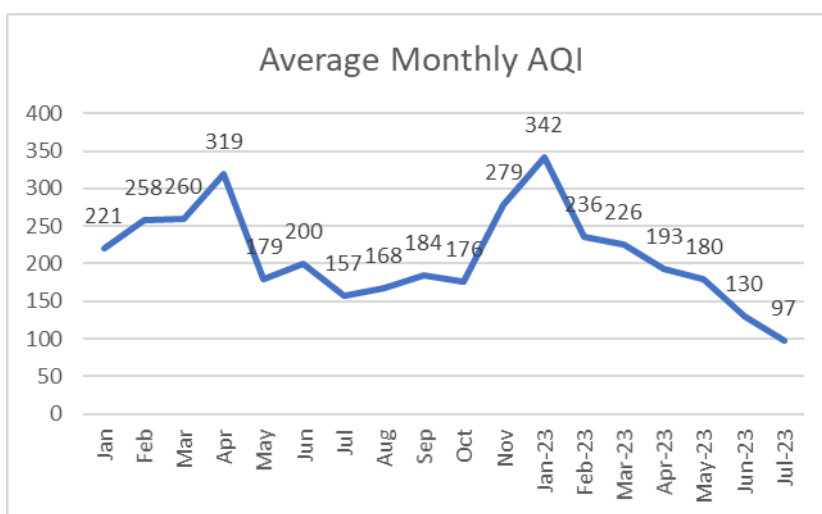


Table - AQI Categories Month Wise

|     | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Total |
|-----|------|--------|---------|---------|---------|------|-------|
| Jan |      | 1      | 8       | 7       | 4       |      | 20    |
| Feb |      |        | 5       | 17      | 4       | 1    | 27    |
| Mar |      |        | 10      | 9       | 2       | 5    | 26    |
| Apr |      |        |         | 14      | 12      | 4    | 30    |
| May |      |        | 20      | 9       |         |      | 29    |
| Jun |      |        | 14      | 16      |         |      | 30    |
| Jul |      | 6      | 21      | 4       |         |      | 31    |
| Aug |      | 4      | 16      | 10      | 1       |      | 31    |



|        |    |   |    |    |   |   |    |
|--------|----|---|----|----|---|---|----|
| Sep    |    |   | 2  |    |   |   | 2  |
| Oct    |    | 1 | 17 | 2  | 1 |   | 21 |
| Nov    |    |   | 2  | 12 | 9 | 1 | 24 |
| Jan-23 |    |   | 1  | 6  | 5 | 5 | 17 |
| Feb-23 |    |   | 10 | 11 | 7 |   | 28 |
| Mar-23 |    |   | 11 | 16 | 4 |   | 31 |
| Apr-23 | 1  |   | 12 | 6  | 2 |   | 21 |
| May-23 |    | 4 | 16 | 11 |   |   | 31 |
| Jun-23 | 2  | 9 | 15 | 4  |   |   | 30 |
| Jul-23 | 18 | 2 | 3  | 1  |   |   | 24 |

Table - Maximum AQI Time Intervals Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Jan    | 434              | 497             | 580             | 1555             |
| Feb    | 590              | 1428            | 1683            | 1646             |
| Mar    | 660              | 1371            | 1234            | 1774             |
| Apr    | 936              | 1921            | 1816            | 1725             |
| May    | 508              | 1730            | 1996            | 1013             |
| Jun    | 681              | 1969            | 1853            | 1169             |
| Jul    | 492              | 1984            | 1786            | 1261             |
| Aug    | 427              | 1955            | 1853            | 946              |
| Sep    | 270              | 452             | 308             | 414              |
| Oct    | 427              | 835             | 766             | 8675             |
| Nov    | 457              | 720             | 1489            | 1948             |
| Jan    | 881              | 1733            | 876             | 1979             |
| Feb-23 | 1155             | 1219            | 1648            | 1980             |
| Mar-23 | 1558             | 1751            | 1676            | 1903             |
| Apr-23 | 759              | 1541            | 458             | 1400             |
| May-23 | 1238             | 1715            | 543             | 1355             |
| Jun-23 | 913              | 1421            | 487             | 1631             |
| Jul-23 | 466              | 364             | 493             | 606              |

Table - Average AQI Time Interval Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Jan    | 181              | 234             | 119             | 342              |
| Feb    | 170              | 283             | 159             | 421              |
| Mar    | 183              | 304             | 174             | 383              |
| Apr    | 265              | 402             | 245             | 367              |
| May    | 116              | 249             | 169             | 182              |
| Jun    | 117              | 291             | 210             | 183              |
| Jul    | 65               | 241             | 179             | 139              |
| Aug    | 83               | 219             | 200             | 169              |
| Sep    | 103              | 241             | 164             | 292              |
| Oct    | 99               | 159             | 101             | 340              |
| Nov    | 201              | 276             | 210             | 445              |
| Jan    | 294              | 383             | 212             | 478              |
| Feb-23 | 189              | 192             | 100             | 458              |
| Mar-23 | 201              | 239             | 124             | 339              |

|        |     |     |    |     |
|--------|-----|-----|----|-----|
| Apr-23 | 204 | 212 | 88 | 267 |
| May-23 | 192 | 191 | 75 | 252 |
| Jun-23 | 143 | 137 | 66 | 168 |
| Jul-23 | 192 | 47  | 82 | 100 |

- 861480034774176 - Old Age Home near Sarvmangla Mandir

Table - Monthly Average and Maximum AQI and HI

|        | Average AQI | Average HI | Maximum AQI | Maximum HI |
|--------|-------------|------------|-------------|------------|
| Feb    | 116         | 21         | 686         | 51         |
| Mar    | 199         | 28         | 1043        | 52         |
| Apr    | 165         | 34         | 666         | 51         |
| May    | 73          | 37         | 438         | 50         |
| Jul    | 35          | 39         | 318         | 44         |
| Sep    | 93          | 31         | 367         | 41         |
| Oct    | 176         | 31         | 1419        | 56         |
| Nov    | 322         | 24         | 1138        | 46         |
| Dec    | 280         | 23         | 1149        | 41         |
| Jan_23 | 257         | 22         | 1749        | 43         |
| Feb-23 | 188         | 25         | 1464        | 44         |
| Mar-23 | 175         | 28         | 1558        | 50         |
| Apr-23 | 95          | 31         | 466         | 51         |
| May-23 | 39          | 23         | 65          | 25         |

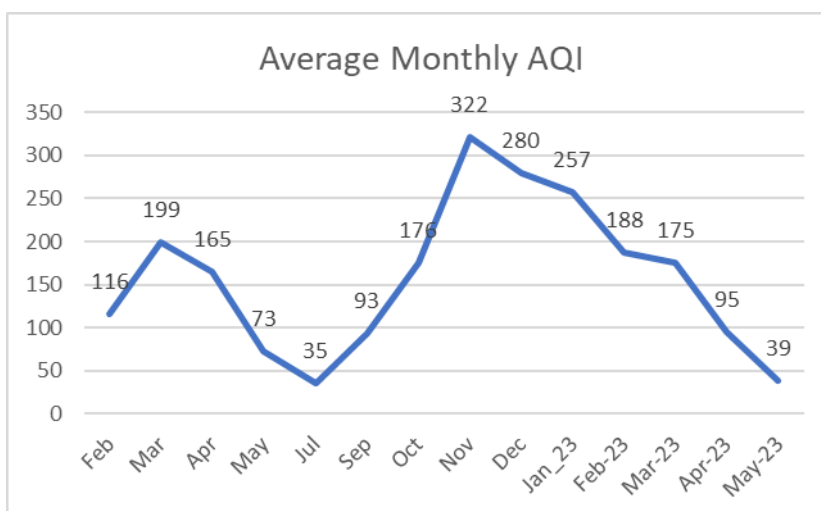


Table - AQI Categories Month Wise

|        | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Total |
|--------|------|--------|---------|---------|---------|------|-------|
| Feb    |      | 10     | 14      | 1       |         |      | 25    |
| Mar    |      | 10     | 7       | 8       | 3       | 3    | 31    |
| Apr    |      | 5      | 15      | 6       | 2       |      | 28    |
| May    | 2    | 9      | 3       |         |         |      | 14    |
| Jul    | 4    | 1      |         |         |         |      | 5     |
| Sep    |      | 2      | 1       |         |         |      | 3     |
| Oct    |      | 4      | 16      | 8       |         |      | 28    |
| Nov    |      |        |         | 8       | 22      |      | 30    |
| Dec    |      |        | 6       | 13      | 12      |      | 31    |
| Jan_23 |      |        | 8       | 13      | 10      |      | 31    |

|        |   |   |    |   |   |  |    |
|--------|---|---|----|---|---|--|----|
| Feb-23 |   | 3 | 16 | 7 | 2 |  | 28 |
| Mar-23 |   | 2 | 20 | 9 |   |  | 31 |
| Apr-23 |   | 9 | 3  |   |   |  | 12 |
| May-23 | 1 |   |    |   |   |  | 1  |

Table - Maximum AQI Time Intervals Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Feb    | 383              | 556             | 514             | 686              |
| Mar    | 1043             | 939             | 385             | 856              |
| Apr    | 666              | 592             | 329             | 437              |
| May    | 263              | 438             | 273             | 280              |
| Jul    | 17               | 95              | 43              | 318              |
| Sep    | 283              | 367             | 342             | 338              |
| Oct    | 626              | 1061            | 1419            | 550              |
| Nov    | 1138             | 988             | 431             | 728              |
| Dec    | 805              | 828             | 474             | 1149             |
| Jan    | 504              | 924             | 1749            | 700              |
| Feb-23 | 655              | 1400            | 1464            | 713              |
| Mar-23 | 1558             | 998             | 527             | 565              |
| Apr-23 | 383              | 409             | 466             | 453              |
| May-23 |                  |                 |                 | 65               |

Table - Average AQI Time Interval Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Feb    | 106              | 126             | 65              | 165              |
| Mar    | 249              | 209             | 91              | 244              |
| Apr    | 192              | 200             | 81              | 187              |
| May    | 77               | 79              | 58              | 79               |
| Jul    | 13               | 25              | 16              | 52               |
| Sep    | 58               | 143             | 72              | 101              |
| Oct    | 174              | 200             | 114             | 215              |
| Nov    | 343              | 343             | 232             | 367              |
| Dec    | 302              | 307             | 171             | 336              |
| Jan    | 262              | 287             | 169             | 303              |
| Feb-23 | 172              | 228             | 88              | 246              |
| Mar-23 | 189              | 210             | 89              | 209              |
| Apr-23 | 85               | 101             | 63              | 126              |
| May-23 |                  |                 |                 | 39               |

- 862649042685215 - NTPC Jamnipalli

Table - Monthly Average and Maximum AQI and HI

|        | Average AQI | Average HI | Maximum AQI | Maximum HI |
|--------|-------------|------------|-------------|------------|
| Feb    | 152         | 22         | 1369        | 33         |
| Mar    | 193         | 28         | 1343        | 43         |
| Apr    | 179         | 36         | 764         | 51         |
| Jun    | 84          | 37         | 537         | 56         |
| Jul    | 72          | 34         | 338         | 51         |
| Aug    | 37          | 34         | 365         | 50         |
| Sep    | 66          | 34         | 383         | 52         |
| Oct    | 61          | 29         | 496         | 46         |
| Nov    | 99          | 21         | 568         | 32         |
| Dec    | 119         | 21         | 981         | 29         |
| Jan    | 133         | 18         | 1275        | 28         |
| Mar-23 | 86          | 30         | 377         | 45         |
| Apr-23 | 74          | 31         | 496         | 46         |
| May-23 | 66          | 33         | 430         | 51         |

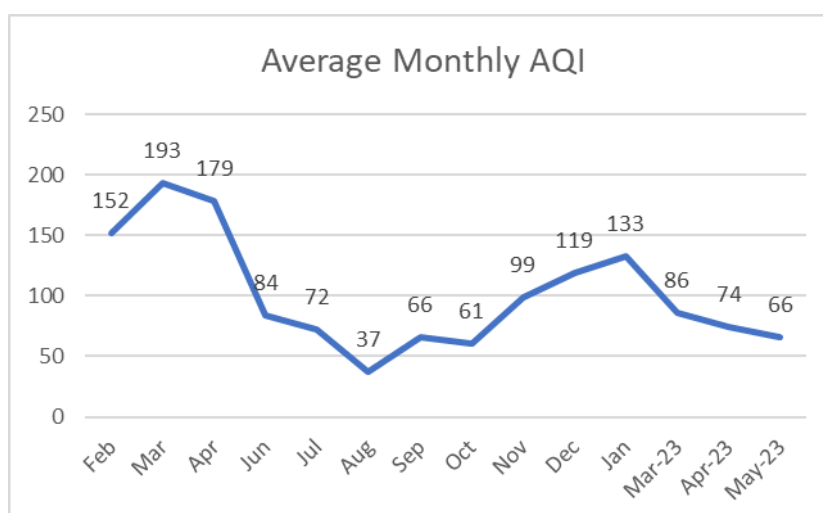


Table - AQI Categories Month Wise

|        | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Total |
|--------|------|--------|---------|---------|---------|------|-------|
| Feb    |      | 1      | 19      | 3       |         |      | 23    |
| Mar    |      | 6      | 11      | 6       | 3       | 2    | 28    |
| Apr    |      |        | 10      | 1       |         |      | 11    |
| Jun    | 1    | 16     | 6       |         |         |      | 23    |
| Jul    | 1    | 5      |         |         |         |      | 6     |
| Aug    | 8    | 2      |         |         |         |      | 10    |
| Sep    | 1    | 4      | 1       |         |         |      | 6     |
| Oct    | 12   | 12     | 1       |         |         |      | 25    |
| Nov    |      | 16     | 8       |         |         |      | 24    |
| Dec    |      | 9      | 14      |         |         |      | 23    |
| Jan    |      | 7      | 9       | 2       |         |      | 18    |
| Mar-23 |      | 2      | 1       |         |         |      | 3     |

|        |    |    |   |  |  |  |    |
|--------|----|----|---|--|--|--|----|
| Apr-23 | 10 | 15 | 5 |  |  |  | 30 |
| May-23 | 4  | 12 | 1 |  |  |  | 17 |

Table - Maximum AQI Time Intervals Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Feb    | 351              | 619             | 313             | 1369             |
| Mar    | 718              | 861             | 346             | 1343             |
| Apr    | 385              | 443             | 431             | 764              |
| Jun    | 458              | 365             | 336             | 537              |
| Jul    | 150              | 287             | 338             | 325              |
| Aug    | 167              | 365             | 163             | 314              |
| Sep    | 200              | 383             | 157             | 341              |
| Oct    | 325              | 429             | 335             | 496              |
| Nov    | 326              | 360             | 442             | 568              |
| Dec    | 353              | 418             | 380             | 981              |
| Jan    | 372              | 1275            | 489             | 591              |
| Feb-23 |                  |                 |                 |                  |
| Mar-23 | 377              | 300             | 167             | 316              |
| Apr-23 | 496              | 473             | 352             | 399              |
| May-23 | 331              | 395             | 312             | 430              |

Table - Average AQI Time Interval Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Feb    | 139              | 176             | 83              | 207              |
| Mar    | 186              | 231             | 111             | 243              |
| Apr    | 187              | 238             | 86              | 207              |
| Jun    | 78               | 108             | 61              | 90               |
| Jul    | 46               | 70              | 77              | 100              |
| Aug    | 29               | 41              | 35              | 42               |
| Sep    | 65               | 56              | 47              | 96               |
| Oct    | 50               | 61              | 54              | 76               |
| Nov    | 86               | 101             | 83              | 121              |
| Dec    | 99               | 141             | 91              | 141              |
| Jan    | 115              | 154             | 109             | 151              |
| Feb-23 |                  |                 |                 |                  |
| Mar-23 | 96               | 98              | 67              | 88               |
| Apr-23 | 84               | 87              | 47              | 76               |
| May-23 | 62               | 76              | 43              | 78               |

- **861480034777179 Surakachar chowk (underground Mines)** – Installed in October 2022

Table - Monthly Average and Maximum AQI and HI

|        | Avg AQI | Avg HI | Max AQI | Max HI |
|--------|---------|--------|---------|--------|
| Oct    | 370     | 29     | 1371    | 45     |
| Nov    | 428     | 22     | 1620    | 36     |
| Dec    | 443     | 21     | 1168    | 30     |
| Jan    | 382     | 22     | 850     | 32     |
| Feb-23 | 404     | 23     | 1180    | 35     |
| Mar-23 | 375     | 27     | 733     | 46     |
| Apr-23 | 385     | 31     | 1928    | 46     |
| May-23 | 191     | 36     | 1303    | 53     |
| Jun-23 | 102     | 40     | 1448    | 55     |
| Jul-23 | 43      | 36     | 1215    | 53     |

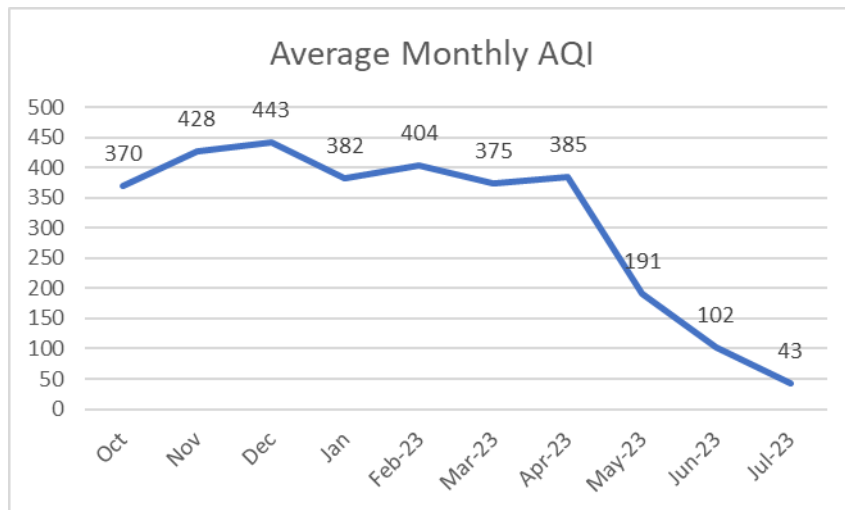


Table - AQI Categories Month Wise

|        | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Total |
|--------|------|--------|---------|---------|---------|------|-------|
| Oct    |      |        | 1       | 3       | 17      | 6    | 27    |
| Nov    |      |        |         |         | 9       | 21   | 30    |
| Dec    |      |        |         |         | 5       | 19   | 24    |
| Jan    |      |        |         |         | 17      |      | 17    |
| Feb-23 |      |        |         |         | 11      | 17   | 28    |
| Mar-23 |      |        |         |         | 27      | 4    | 31    |
| Apr-23 |      |        |         |         | 22      | 8    | 30    |
| May-23 |      | 10     | 7       | 1       | 10      | 2    | 30    |
| Jun-23 |      | 7      | 7       |         |         |      | 14    |
| Jul-23 | 13   | 2      |         |         |         |      | 15    |

Table - Maximum AQI Time Intervals Wise

|     | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|-----|------------------|-----------------|-----------------|------------------|
| Oct | 646              | 701             | 652             | 1371             |

|        |      |      |      |      |
|--------|------|------|------|------|
| Nov    | 804  | 1228 | 948  | 1620 |
| Dec    | 585  | 826  | 916  | 1168 |
| Jan    | 483  | 610  | 546  | 850  |
| Feb-23 | 586  | 1180 | 668  | 710  |
| Mar-23 | 483  | 610  | 546  | 850  |
| Apr-23 | 678  | 1928 | 840  | 635  |
| May-23 | 1303 | 878  | 733  | 718  |
| Jun-23 | 522  | 940  | 1448 | 1433 |
| Jul-23 | 213  | 1215 | 170  | 421  |

Table - Average AQI Time Interval Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Oct    | 332              | 355             | 342             | 439              |
| Nov    | 383              | 425             | 459             | 459              |
| Dec    | 436              | 438             | 395             | 487              |
| Jan    | 368              | 384             | 361             | 412              |
| Feb-23 | 400              | 405             | 386             | 423              |
| Mar-23 | 368              | 384             | 361             | 412              |
| Apr-23 | 380              | 379             | 386             | 396              |
| May-23 | 203              | 191             | 173             | 193              |
| Jun-23 | 89               | 104             | 58              | 142              |
| Jul-23 | 27               | 53              | 33              | 57               |



- 861480034784340 Kanha Auto repairs, Station road – Installed in October 2022

Table - Monthly Average and Maximum AQI and HI

|        | Avg AQI | Avg HI | Max AQI | Max HI |
|--------|---------|--------|---------|--------|
| Oct    | 218     | 27     | 2295    | 46     |
| Nov    | 331     | 21     | 1300    | 31     |
| Dec    | 326     | 20     | 1948    | 29     |
| Jan    | 281     | 19     | 1666    | 30     |
| Feb-23 | 202     | 23     | 1369    | 32     |
| Mar-23 | 186     | 27     | 1131    | 43     |
| Apr-23 | 157     | 31     | 945     | 44     |
| May-23 | 134     | 34     | 1113    | 50     |
| Jun-23 | 87      | 39     | 1043    | 56     |
| Jul-23 | 54      | 38     | 715     | 52     |
| Aug-23 | 75      | 34     | 1060    | 51     |
| Sep-23 | 74      | 34     | 1315    | 50     |
| Oct-23 | 120     | 29     | 1065    | 43     |

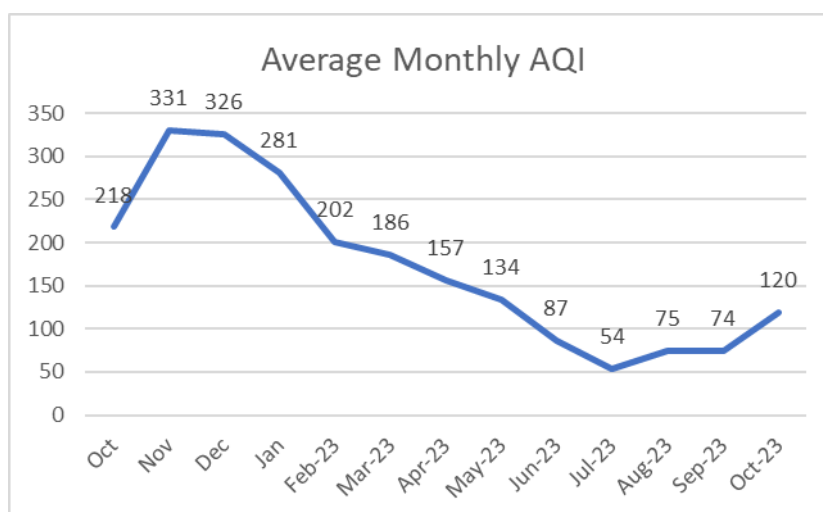


Table - AQI Categories Month Wise

|        | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Total |
|--------|------|--------|---------|---------|---------|------|-------|
| Oct    |      |        | 9       | 13      |         | 1    | 23    |
| Nov    |      |        | 2       | 5       | 14      | 4    | 25    |
| Dec    |      |        | 2       | 7       | 15      | 7    | 31    |
| Jan    |      |        | 3       | 11      | 16      | 1    | 31    |
| Feb-23 |      | 1      | 12      | 14      | 1       |      | 28    |
| Mar-23 |      | 2      | 18      | 11      |         |      | 31    |
| Apr-23 |      | 4      | 20      | 6       |         |      | 30    |
| May-23 |      | 3      | 22      |         |         |      | 25    |
| Jun-23 | 2    | 18     | 7       | 1       |         |      | 28    |
| Jul-23 | 14   | 16     |         |         |         |      | 30    |

|        |   |    |    |   |  |  |    |
|--------|---|----|----|---|--|--|----|
| Aug-23 | 4 | 24 | 2  |   |  |  | 30 |
| Sep-23 | 7 | 18 | 5  |   |  |  | 30 |
| Oct-23 | 1 | 7  | 22 | 1 |  |  | 31 |

Table - Maximum AQI Time Intervals Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Oct    | 674              | 1083            | 1083            | 2295             |
| Nov    | 808              | 1073            | 1029            | 1300             |
| Dec    | 841              | 1948            | 1121            | 1714             |
| Jan    | 552              | 1666            | 603             | 1165             |
| Feb-23 | 623              | 597             | 389             | 1369             |
| Mar-23 | 515              | 1131            | 551             | 720              |
| Apr-23 | 409              | 484             | 349             | 945              |
| May-23 | 717              | 1113            | 1080            | 1088             |
| Jun-23 | 1043             | 980             | 398             | 722              |
| Jul-23 | 352              | 715             | 382             | 392              |
| Aug-23 | 331              | 1060            | 331             | 677              |
| Sep-23 | 763              | 566             | 1315            | 1063             |
| Oct-23 | 325              | 363             | 1065            | 602              |

Table - Average AQI Time Interval Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Oct    | 148              | 209             | 163             | 347              |
| Nov    | 285              | 325             | 257             | 451              |
| Dec    | 286              | 332             | 197             | 478              |
| Jan    | 232              | 312             | 191             | 379              |
| Feb-23 | 181              | 199             | 78              | 342              |
| Mar-23 | 172              | 202             | 106             | 261              |
| Apr-23 | 156              | 185             | 90              | 197              |
| May-23 | 117              | 156             | 75              | 185              |
| Jun-23 | 77               | 106             | 57              | 102              |
| Jul-23 | 38               | 70              | 49              | 59               |
| Aug-23 | 55               | 105             | 61              | 77               |
| Sep-23 | 60               | 88              | 68              | 79               |
| Oct-23 | 84               | 131             | 77              | 184              |

- 861480034773236 - Hardi Bazaar Installed in October 2022

Table - Monthly Average and Maximum AQI and HI

|        | Avg AQI | Avg HI | Max AQI | Max HI |
|--------|---------|--------|---------|--------|
| Oct    | 141     | 26     | 1491    | 49     |
| Nov    | 171     | 23     | 865     | 31     |
| Dec    | 223     | 22     | 1908    | 28     |
| Jan    | 228     | 21     | 1659    | 29     |
| Feb-23 | 145     | 24     | 1940    | 31     |
| Mar-23 | 100     | 29     | 1590    | 39     |
| Apr-23 | 141     | 31     | 1213    | 41     |
| May-23 | 111     | 35     | 1086    | 47     |
| Jun-23 | 82      | 39     | 1028    | 53     |
| Jul-23 | 46      | 36     | 1145    | 47     |
| Aug-23 | 53      | 33     | 878     | 41     |
| Sep-23 | 76      | 32     | 1125    | 46     |
| Oct-23 | 84      | 28     | 1040    | 38     |

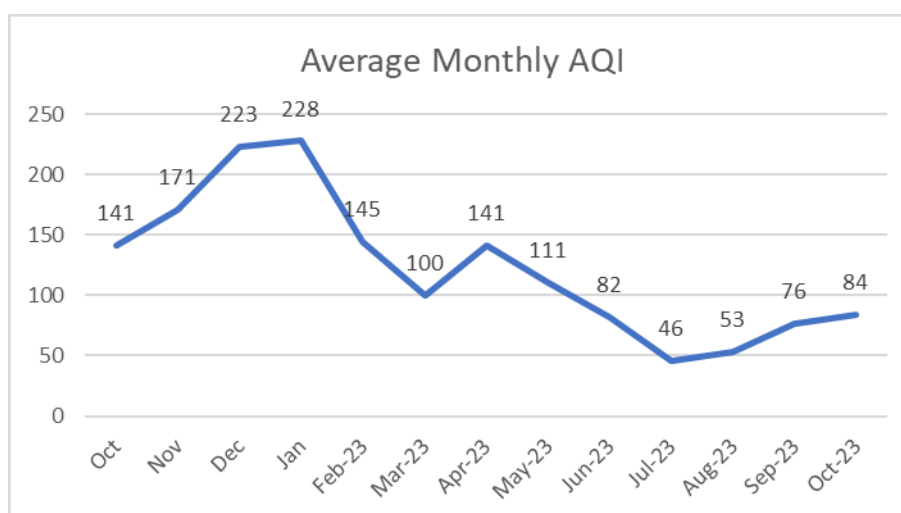


Table - AQI Categories Month Wise

|        | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Total |
|--------|------|--------|---------|---------|---------|------|-------|
| Oct    | 2    | 4      | 12      | 4       |         | 1    | 23    |
| Nov    | 3    | 6      | 10      | 11      |         |      | 30    |
| Dec    |      | 2      | 7       | 15      | 7       |      | 31    |
| Jan    |      | 1      | 13      | 10      | 6       | 1    | 31    |
| Feb-23 |      | 8      | 16      | 3       | 1       |      | 28    |
| Mar-23 | 1    | 8      | 5       | 1       |         |      | 15    |
| Apr-23 |      | 11     | 13      | 6       |         |      | 30    |
| May-23 | 1    | 9      | 21      |         |         |      | 31    |
| Jun-23 | 5    | 20     | 5       |         |         |      | 30    |
| Jul-23 | 19   | 12     |         |         |         |      | 31    |
| Aug-23 | 14   | 16     | 1       |         |         |      | 31    |

|        |   |    |   |  |  |  |    |
|--------|---|----|---|--|--|--|----|
| Sep-23 | 6 | 19 | 4 |  |  |  | 29 |
| Oct-23 | 1 | 25 | 5 |  |  |  | 31 |

Table - Maximum AQI Time Intervals Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Oct    | 1491             | 801             | 796             | 846              |
| Nov    | 397              | 729             | 443             | 865              |
| Dec    | 562              | 878             | 507             | 1908             |
| Jan    | 829              | 1291            | 1475            | 1659             |
| Feb-23 | 758              | 1393            | 1621            | 1940             |
| Mar-23 | 406              | 1131            | 1590            | 475              |
| Apr-23 | 532              | 575             | 1213            | 1046             |
| May-23 | 502              | 860             | 370             | 1086             |
| Jun-23 | 480              | 691             | 810             | 1028             |
| Jul-23 | 1120             | 689             | 1145            | 768              |
| Aug-23 | 878              | 544             | 825             | 648              |
| Sep-23 | 1125             | 938             | 413             | 586              |
| Oct-23 | 481              | 1040            | 582             | 382              |

Table - Average AQI Time Interval Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Oct    | 139              | 138             | 94              | 192              |
| Nov    | 175              | 173             | 117             | 218              |
| Dec    | 223              | 248             | 134             | 287              |
| Jan    | 228              | 250             | 156             | 279              |
| Feb-23 | 146              | 142             | 71              | 200              |
| Mar-23 | 87               | 99              | 74              | 131              |
| Apr-23 | 152              | 168             | 76              | 165              |
| May-23 | 118              | 149             | 49              | 122              |
| Jun-23 | 84               | 101             | 48              | 88               |
| Jul-23 | 31               | 57              | 39              | 56               |
| Aug-23 | 50               | 62              | 42              | 56               |
| Sep-23 | 70               | 102             | 58              | 72               |
| Oct-23 | 72               | 106             | 60              | 97               |

- 862649042690587 Near BALCO Main Road – Installed in October 2022

Table - Monthly Average and Maximum AQI and HI

|        | Avg AQI | Avg HI | Max AQI | Max HI |
|--------|---------|--------|---------|--------|
| Oct    | 181     | 31     | 926     | 53     |
| Nov    | 254     | 21     | 659     | 40     |
| Dec    | 223     | 22     | 516     | 42     |
| Jan    | 246     | 21     | 626     | 44     |
| Feb-23 | 131     | 23     | 449     | 43     |
| Mar-23 | 154     | 32     | 536     | 49     |
| Apr-23 | 149     | 32     | 561     | 58     |
| May-23 | 92      | 35     | 356     | 61     |
| Jun-23 | 71      | 39     | 436     | 72     |
| Jul-23 | 53      | 38     | 415     | 76     |
| Aug-23 | 65      | 32     | 337     | 59     |
| Sep-23 | 67      | 34     | 334     | 66     |
| Oct-23 | 90      | 31     | 337     | 54     |

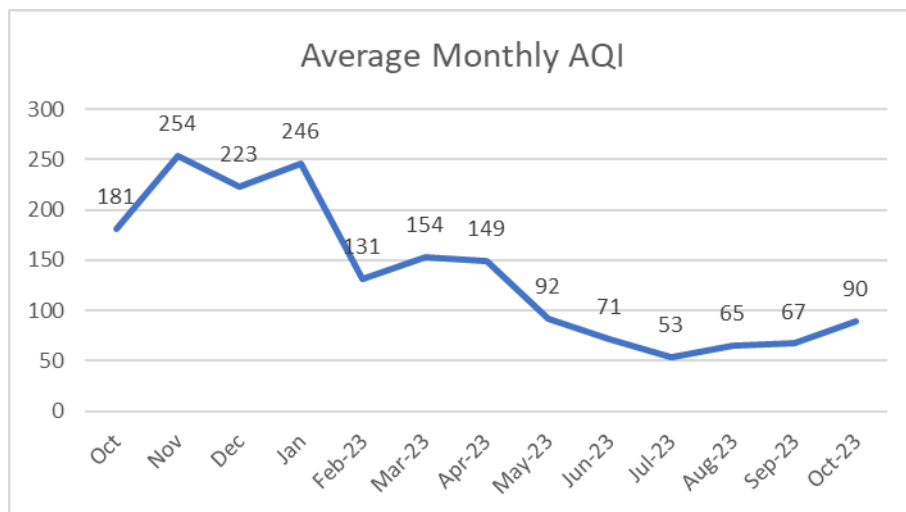


Table - AQI Categories Month Wise

|        | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Total |
|--------|------|--------|---------|---------|---------|------|-------|
| Oct    |      | 2      | 9       | 6       |         | 1    | 18    |
| Nov    |      |        |         | 18      | 1       |      | 19    |
| Dec    |      | 2      | 10      | 15      | 4       |      | 31    |
| Jan    |      |        | 8       | 15      | 8       |      | 31    |
| Feb-23 |      | 1      | 9       |         |         |      | 10    |
| Mar-23 |      | 1      | 2       |         |         | 1    | 4     |
| Apr-23 |      | 9      | 13      | 4       | 2       |      | 28    |
| May-23 | 1    | 13     | 10      |         |         |      | 24    |
| Jun-23 | 3    | 23     | 3       |         |         |      | 29    |
| Jul-23 | 18   | 11     | 2       |         |         |      | 31    |
| Aug-23 | 6    | 17     | 2       |         |         |      | 25    |
| Sep-23 | 11   | 16     | 3       |         |         |      | 30    |
| Oct-23 | 3    | 5      | 7       |         |         |      | 15    |

Table - Maximum AQI Time Intervals Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Oct    | 358              | 613             | 581             | 926              |
| Nov    | 397              | 434             | 383             | 659              |
| Dec    | 394              | 516             | 418             | 508              |
| Jan    | 453              | 626             | 511             | 506              |
| Feb-23 | 329              | 449             | 345             | 432              |
| Mar-23 | 333              | 335             | 314             | 536              |
| Apr-23 | 508              | 561             | 318             | 442              |
| May-23 | 342              | 356             | 307             | 332              |
| Jun-23 | 305              | 436             | 233             | 310              |
| Jul-23 | 322              | 250             | 351             | 415              |
| Aug-23 | 170              | 337             | 243             | 305              |
| Sep-23 | 267              | 331             | 320             | 334              |
| Oct-23 | 302              | 337             | 301             | 330              |

Table - Average AQI Time Interval Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Oct    | 117              | 164             | 145             | 279              |
| Nov    | 256              | 272             | 175             | 298              |
| Dec    | 222              | 251             | 151             | 269              |
| Jan    | 243              | 268             | 181             | 287              |
| Feb-23 | 117              | 149             | 67              | 194              |
| Mar-23 | 211              | 173             | 106             | 129              |
| Apr-23 | 169              | 172             | 77              | 179              |
| May-23 | 97               | 102             | 57              | 102              |
| Jun-23 | 74               | 76              | 57              | 77               |
| Jul-23 | 45               | 47              | 52              | 70               |
| Aug-23 | 55               | 70              | 61              | 73               |
| Sep-23 | 58               | 80              | 58              | 70               |
| Oct-23 | 78               | 107             | 78              | 94               |

- 861480034754749 Gud Deva Coal Siding – Installed in October 2022

Table - Monthly Average and Maximum AQI and HI

|        | Avg AQI | Avg HI | Max AQI | Max HI |
|--------|---------|--------|---------|--------|
| Oct    | 216     | 27     | 1906    | 53     |
| Nov    | 325     | 23     | 1990    | 37     |
| Dec    | 346     | 21     | 1974    | 33     |
| Jan    | 355     | 21     | 1994    | 33     |
| Feb-23 | 259     | 24     | 1984    | 37     |
| Mar-23 | 248     | 28     | 1884    | 48     |
| Apr-23 | 154     | 32     | 1968    | 49     |
| May-23 | 123     | 36     | 1285    | 57     |
| Jun-23 | 98      | 40     | 1978    | 63     |
| Jul-23 | 82      | 38     | 1916    | 56     |
| Aug-23 | 74      | 35     | 1979    | 55     |
| Sep-23 | 93      | 34     | 2180    | 60     |
| Oct-23 | 124     | 30     | 1953    | 52     |

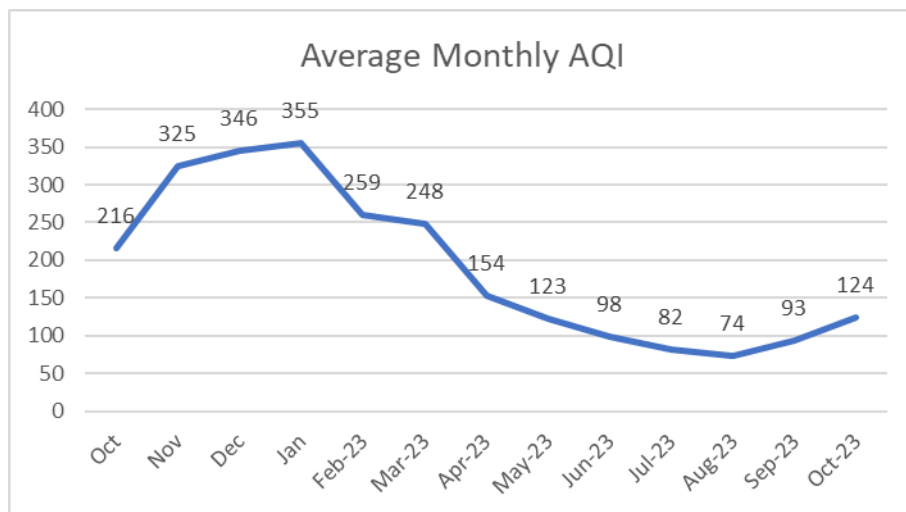


Table - AQI Categories Month Wise

|        | 0-50 | 50-100 | 100-200 | 200-300 | 300-400 | >400 | Total |
|--------|------|--------|---------|---------|---------|------|-------|
| Oct    |      | 1      | 5       | 7       | 3       | 1    | 17    |
| Nov    |      |        |         | 8       | 20      | 2    | 30    |
| Dec    |      |        | 2       | 7       | 11      | 9    | 29    |
| Jan    |      |        |         | 10      | 13      | 8    | 31    |
| Feb-23 |      |        | 8       | 11      | 8       | 1    | 28    |
| Mar-23 |      |        | 8       | 16      | 7       |      | 31    |
| Apr-23 |      | 10     | 12      | 8       |         |      | 30    |
| May-23 | 1    | 10     | 19      | 1       |         |      | 31    |
| Jun-23 | 4    | 14     | 12      |         |         |      | 30    |
| Jul-23 | 5    | 16     | 9       |         |         |      | 30    |
| Aug-23 | 10   | 13     | 8       |         |         |      | 31    |

|        |   |    |    |   |  |    |
|--------|---|----|----|---|--|----|
| Sep-23 | 3 | 13 | 13 |   |  | 29 |
| Oct-23 | 2 | 6  | 19 | 1 |  | 28 |

Table - Maximum AQI Time Intervals Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Oct    | 511              | 1249            | 1906            | 1801             |
| Nov    | 1958             | 1851            | 1990            | 1839             |
| Dec    | 1884             | 1744            | 1974            | 1933             |
| Jan    | 1921             | 1946            | 1990            | 1994             |
| Feb-23 | 1984             | 1913            | 1923            | 1915             |
| Mar-23 | 1884             | 1474            | 1845            | 1473             |
| Apr-23 | 1968             | 1258            | 1274            | 1860             |
| May-23 | 868              | 1285            | 586             | 550              |
| Jun-23 | 1978             | 1303            | 1696            | 603              |
| Jul-23 | 1916             | 1313            | 1713            | 597              |
| Aug-23 | 1979             | 565             | 1613            | 556              |
| Sep-23 | 899              | 1525            | 2180            | 776              |
| Oct-23 | 1953             | 1386            | 1605            | 479              |

Table - Average AQI Time Interval Wise

|        | Midnight to 6 AM | 6 AM to 12 Noon | 12 Noon to 6 PM | 6 PM to Midnight |
|--------|------------------|-----------------|-----------------|------------------|
| Oct    | 138              | 192             | 157             | 353              |
| Nov    | 283              | 327             | 273             | 411              |
| Dec    | 303              | 319             | 279             | 483              |
| Jan    | 293              | 378             | 278             | 472              |
| Feb-23 | 238              | 250             | 144             | 397              |
| Mar-23 | 251              | 272             | 166             | 301              |
| Apr-23 | 155              | 175             | 87              | 193              |
| May-23 | 143              | 129             | 61              | 142              |
| Jun-23 | 110              | 102             | 75              | 99               |
| Jul-23 | 91               | 84              | 88              | 66               |
| Aug-23 | 57               | 68              | 81              | 88               |
| Sep-23 | 63               | 95              | 104             | 102              |
| Oct-23 | 93               | 110             | 93              | 195              |