

# **Factual & Action Taken report in compliance of Hon'ble NGT order dated 03/11/2023 in the matter of OA 159/2023 (CZ)**

**Sub: Factual report in compliance of Hon'ble NGT order dated 03/11/2023 in the matter of OA 159/2023 (CZ) of Nitin Saxena Vs State of Madhya Pradesh & Ors.**

Hon'ble NGT vide order dated 03/11/2023 issued following instructions in the matter of OA 159/2023 of Nitin Saxena Vs State of Madhya Pradesh & Ors.:

- “4. The respondents/project proponents are required to adopt eco-friendly construction practices such as dust control, noise reduction and proper waste management and there should be a proper mechanism for continuous monitoring and reporting of pollution levels in Kolar to ensure compliance with environmental standards.*
- 5. The applicant present in person has submitted some photographs especially the Air Quality Index installed by the MPPCB, Paryavaran Parisar, Bhopal dated 02.11.2023 at 5:25:21 which shows the air quality as 267 and is of poor quality. The Times of India on 31.08.2023 reported that the M.P. is the tenth (10th) most polluted State in India. When it comes to PM2.5 concentrations.... this worrying it has been revealed in report on air quality live index vide Energy Policy Institute, Chicago (EPIC).*
- 9. We deem it just and proper to call a report on the matter in issue in present Original Application, from a Joint Committee consisting of:-*
  - i. One representative from Collector, Bhopal, (M.P.).*
  - ii. One representative from Madhya Pradesh Pollution Control Board*
- 10. The Committee is directed to visit the place and submit the factual and action taken report within six weeks. The State PCB will be the nodal agency for coordination and logistic support.”*

Accordingly, in compliance of the order of Hon'ble NGT, joint committee comprising of following officials from different departments has been constituted, the details of which are as under:

1. Shri Brajesh Sharma, Regional officer, MPPCB, Bhopal
2. Shri Ashutosh Goswami, SDM, Kolar, Bhopal

Following officials, namely, Shri Akhilesh Sharma, Assistant Engineer (C) and Shri Jainendra Chandel, Chemist, RO, MPPCB, Bhopal were also present during the site visit.

The officials of the joint committee on dated 10/01/2024 and 11/01/2024 visited the complete length of the under construction Cement concrete road from Kolar Guest House at Bhopal to Villahe Kajli kheda Kalapani and the locations as mentioned in petition. During the site visit, the joint committee also interacted with Shri Sunil Haldhar, Deputy Project Manager of M/s Bansal Construction Pvt. Ltd.. The Geographical location, photographs and visual observations were recorded during inspection. The photographs and google map of construction of Kolar Road are enclosed as **Annexure- 1**.

### **Field Observation:**

During inspection, the Joint Committee visited the Kolar Road and observed the condition of Kolar road during its construction process. The details observed during the inspection are mentioned as under:-

1. A six lane Cement Concrete road is being constructed between Kolar Guest House, Bhopal to Kajlikheda Kalapani, the road is named as Shyama Prasad Mukharji 06 lane Road.
2. The road is constructed by MPPWD, Bhopal division through a civil contractor M/S Bansal Construction Pvt. Ltd.
3. As per contractor, total proposed length of construction of Kolar 06 lane road is 15.10 KM. The zero point of this road is Kolar Guest House, Bhopal and end point is Kajlikheda Kalapani, Bhopal.
4. The proposed six lane road is having two parts separated by a central verge. One part is having three lane for the movement of vehicle.

5. The road is being constructed to provide easy movement of vehicle as earlier road was narrow and the density of commuters using this road was very high compare to the space available for movement of vehicle.
6. The traffic congestion was the main cause, also the condition of the road was not very good as the shoulders were kaccha and not properly maintained and due to vehicle movement fugitive dust emission was predominant.
7. During inspection it is observed that for obtaining sufficient width for the laying of six lane road, at some places along the length of road the building / premises structures are dismantled and the encroachments are removed.
8. During inspection, some quantity of C&D waste was found near the dismantle area. As per Mr. Sunil Haldhar, Deputy Project Manager of M/S Bansal Construction Pvt. Ltd., BMC, the C & D waste from Kolar Road construction area is removed on regular basis.
9. During inspection it is observed that the construction material stored by contractor at a defined site at Village-Kajli kheda. Batch Mix plant is installed at Village- Kajli kheda. This site is approx 6 to 7 KM away from the Kolar Road, Baidagarh chichli, Bhopal.
- 10.No construction material was found store near the under construction six lane road.
- 11.The construction company transferred the road construction material to the site using trucks.
- 12.The present status of newly constructed road is given as under as per the information provided by PWD, Bhopal letter Dated 15/01/2024, copy is enclosed as **Annexure- 2**:

i. The location and length wise road construction status is as under:

<b>S. No</b>	<b>Name of Area</b>	<b>Total Distance</b>	<b>Remark</b>
1	Village Gehukheda (D	8KM	Construction work

	Mart) to Village Kalapani		of both the lane is Completed.
2	Village- Gehukheda (D Mart) to Sarbdharm locality	5 KM	Left side lane is completed; Right side lane pavement work is in progress.
3	Chuna Bhatti to Kolar Guest House	2KM	Left side lanes work is in progress

- ii. Water sprinkling at construction area of Kolar road is 2 times per day (at 10:00AM to 11:00 AM and 4:00PM to 5:00PM). Due to heavy traffic in this road (from 11:00AM to 1:00PM and 5:00PM to 8:30PM), other times are not possible to sprinkling of water. The effect of sprinkling of water is approx 01 to 02 Hours.
- iii. Construction company is using Proclaim machines-03 nos, Dumpers-10 nos, Rollers-02 nos, Grader-01 nos, JCB machine-01 nos, concrete transit mixer-04 nos and water tanks-04 nos for construction of Kolar Road.
- iv. Approx. 2 lakhs people living in the area between Sarbdharm bridge to D Mart area of Kolar Road are depends on road.
- v. Approx 10000 vehicles per day moves on the Kolar Road. Peak hours density is approx 1000 vehicles/hour and in normal hours approx 700 vehicles/hour move on this road

### **Causes of Fugitive Dust Emission:**

13. It is observed that the fugitive dust emission generation during the construction of the six lane road are due to following two prominent activities:

- i. Due to construction activity of roads that includes digging, excavation of soil and its removal from the

site.

- ii. Due to movement of traffic on the under constructed road in the area as no alternative road is available for commuters.

14. It is observed that the dust emission in road construction activity is limited to a small area only as no traffic of vehicle is allowed on this portion during construction.
15. There is no fugitive emission of dust is observed on the constructed portion of six lane road which is completed from Village Gehukheda (D Mart) to Village Kalapani - 8 KM and from Village- Gehukheda (D Mart) to Sarbdharm locality - 5 KM.
16. It is observed that when one side portion of cement concrete lane constructed is completed than that portion is opened for traffic movement.
17. No dust emission is observed due to vehicle movement on the constructed cement concrete road.
18. It is observed that during the under construction portion of road the traffic movement is diverted to other portion of the road which is not constructed.
19. During inspection the dust emission is observed from the unconstructed portion of six lane road from Kolar Guest house to Chunabhatti (Up to Sarvadharam bridge) on which traffic is diverted for movement.
20. This is the main source of dust emission and the water sprinkling is not sufficient to reduce the fugitive dust emission.
21. The contractor inform the committee that due to heavy traffic on the road the movement of truck mounted water sprinkling system is scheduled ply on peak hours duration.

## **Air quality monitoring at CAAQMA, Paryavaran Parisar:**

The Continues ambient air quality monitoring station is located at Paryavaran parisar, E-5, Arera Colony, Bhopal. The under construction Kolar Road is located on the west side of this station. The minimum distance of the road from the station is approx 700 meters away. This CAAQMS station covers an area of 2.0 KM radius all around. The data from this station are continuously transferred to MPPCB and CPCB server and shows the instant Air quality index (AQI). The monitoring results of January 2023 to December 2023 are enclosed as **Annexure - 3**. Some of the observations are as under:

- i. The Min, Max and Avg. AQI of the Year 2023 is plotted on the graph and the copy is enclosed as **Annexure - 4**
- ii. The graphical representation of Wind flow is also enclosed as **Annexure - 5**.
- iii. The graphical representation shows that in the month of November 2023 the AQI has reached the Max value of 300.

## **Action Taken by MPPCB**

1. MPPCB vide letter No 99 dated 10/01/2024 was issued to MPPWD to provide information pertaining to the under construction 06 lane Kolar Road. Copy is enclosed as **Annexure - 6**
2. MPPCB issued notice vide letter No 93 dated 10/01/2024 to EE, MPPWD, Bhopal regarding control of fugitive dust emission by increasing of water sprinkling on the road. Copy is enclosed as **Annexure -7**

## **Recommendations:**

1. The MPPWD should ensure the continues water sprinkling on the roads to reduce the fugitive dust emission from roads due to traffic movement.
2. The frequency of water sprinkling should be such that in no case loose dust on the road should get dried enough to increase fugitive dust emission.
3. Air quality monitoring should be carried out by the company at an regular interval to assess the fugitive dust emission.
4. Proper traffic arrangement should be made to avoid traffic congestion during construction phase.



**Ashutosh Goswami**  
**SDM, Kolar, Bhopal**



**Brajesh Sharma**  
**Regional Officer**  
**RO, MPPCB, Bhopal**

## Annexure- 1

### Inspection Photographs of Kolar Road Construction in the matter of OA 159/2023 (cz), Nitin Saxena Vs. State of M.P. & Ors.



**Kolar road Near Baidagarh Chichli**



**Kolar road Near Baidagarh Chichli**



**Kolar Road near MotherTeresa School**



**Kolar Road near D- Mart**



**Kolar Road near D- Mart**



**Kolar Road near Bhoj University**



**Water Sprinkling at D- Mart Area**

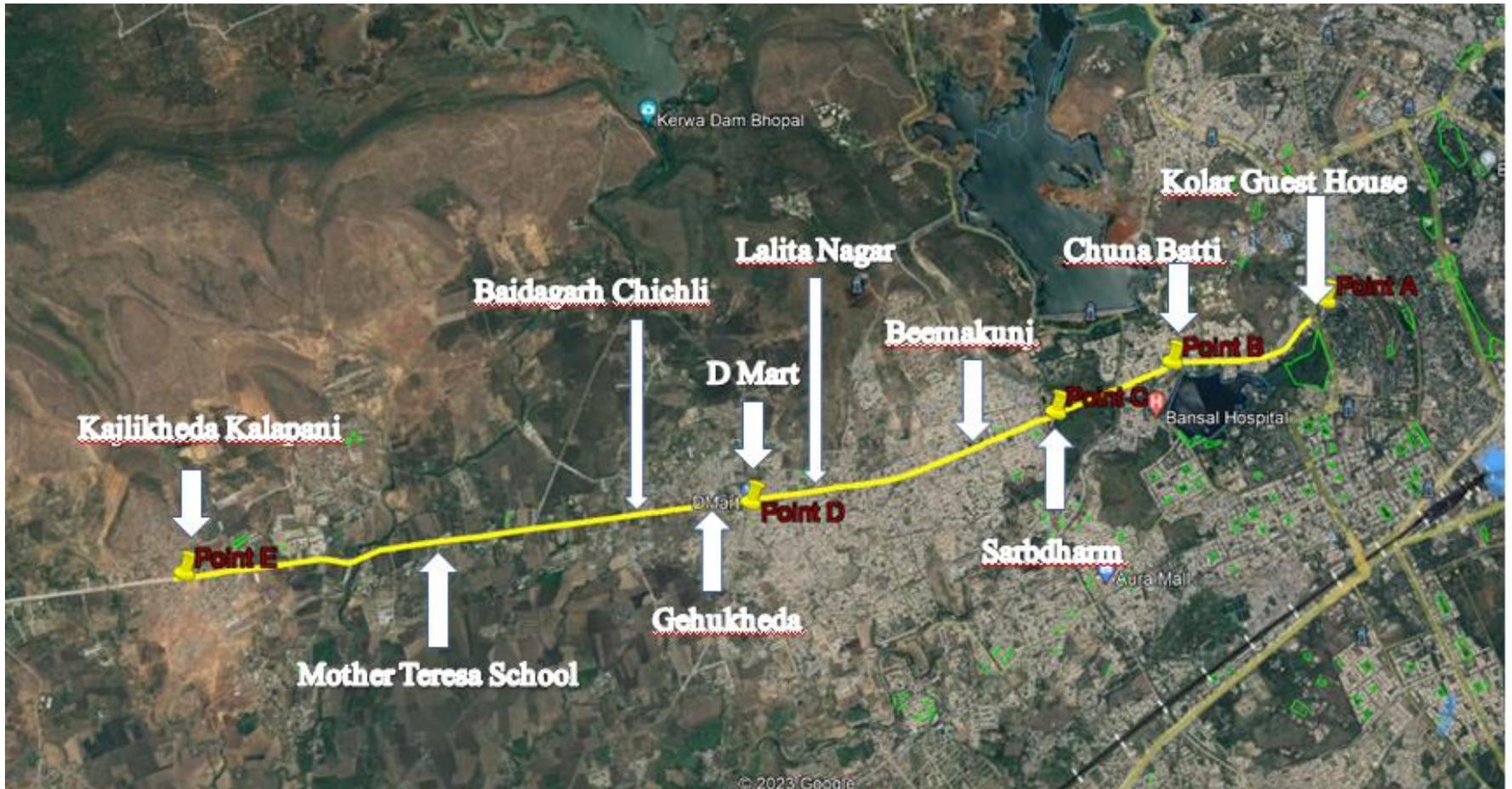


**Water Sprinkling at C I Square**



**Water Sprinkling at Sarbdharm, Kolar Road**

# Google Earth Map of Kolar Road



## कार्यालय कार्यपालन यंत्री

लोक निर्माण विभाग संधारण क्र.02 भोपाल

(रीड नं. 8-A अवाइल ऑफ, भोपाल -482003)

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पत्र क्रमांक /तक /भोपाल

दिनांक:

प्रति,

अधीक्षण यंत्री

लोक निर्माण विभाग

मण्डल क्रमांक-1 निर्माण भवन , भोपाल (म.प्र.)

विषय: माननीय राष्ट्रीय हरित न्यायाधिकरण के माध्यम से प्राप्त जनहित याचिका के सम्बन्ध में

सन्दर्भ: सचिव म.प्र. शासन लोक निर्माण विभाग का पत्र क्र. 5407/5696/2023 भोपाल दिनांक 14.11.2023.

उपरोक्त विषयान्तर्गत आपके द्वारा संदर्भित पत्र के माध्यम से चाही गई जानकारी निम्नानुसार है:

क्र.	विषय	रिमार्क
1	कोलार सिक्स लेन मार्ग की कुल लम्बाई :	15.100 कि. मी.
2	अधतन स्थिति अनुसार निर्माण की स्थिति (क्षेत्र अनुसार निर्माण की लम्बाई का विवरण):	सड़क निर्माण पूर्ण: 8.00 कि.मी. (दोनों लेन - ग्राम गेहूखेडा (D-mart) से कालापानी), 5.00 कि.मी. (सिंगल लेन - ग्राम गेहूखेडा (D-mart) से सर्वधर्म) में कार्य पूर्ण हो गया है एवं निर्माणाधीन मार्ग की लम्बाई 2.00 कि.मी. (सिंगल लेन- घुना भट्टी से कोलार गेस्ट हाउस से) है।
3	सड़क निर्माण हेतु प्रयुक्त मशीनरी की जानकारी :	<ul style="list-style-type: none"> <li>• पोकलेन 3 no.</li> <li>• डम्पर 10 no.</li> <li>• रोलर 2 no.</li> <li>• रोडर 1 no.</li> <li>• जे.सी.बी 1 no.</li> <li>• कंक्रीट ट्रांजिट मिक्सर 4 no.</li> <li>• वाटर टैंकर 4 no.</li> <li>• बेंच मिक्स प्लांट काला-पानी गांव से 1 कि.मी. है जो प्रदूषण नियंत्रण बोर्ड की गाइडलाइन अनुसार ही संचालित है जिसकी अनुमति व अनापत्ति उनके द्वारा दी गयी है (प्रतिलिपि संलग्न)।</li> <li>• मिटटी की खदान भी 2 कि.मी. दूर स्थित है। जो विस्तारित शहरी क्षेत्र (बैरागढ़ चौकमी) से लगभग 6 से 8 कि.मी. दूर है। कार्य स्थल पर कोई भी क्लेशर प्लांट नहीं है सभी प्रकार का मेटल बाहर से ही ट्रांसपोर्ट किया जा रहा है। कार्य स्थल पर</li> </ul>

		<p>उपयोग की जा रही सभी प्रकार की मशीनरी (इम्पर व ट्रांजिट मिक्सर को छोड़कर) अत्यंत काम लम्बाई (50 से 100 मीटर) में ही प्रचालित होती है जिससे कोई प्रदूषण नहीं होता। फिर भी प्रदूषण के नियंत्रण हेतु मार्ग के विभिन्न हिस्सों में अलग अलग टैंकरों (लगभग 6) से नियमित पानी का छिड़काव किया जाता है। (फोटोग्राफ्स संलग्न)</p>
4	मार्ग निर्माण की प्रक्रिया विधि	<p>निर्माणाधीन मार्ग सीमेंट कंक्रीट मार्ग है जिसमें निम्नानुसार प्रक्रिया विधि अपनाई जा रही है।</p> <ol style="list-style-type: none"> <li>i. डिसेमेंटलिंग एवं कटाई</li> <li>ii. मुकम / मिट्टी की फिलिंग व कम्पैशन</li> <li>iii. सी आर एम् (क्रसर गिट्टी द्वारा)</li> <li>iv. लीन कंक्रीट (प्लांट पर निर्मित)</li> <li>v. पेवमेंट कंक्रीट (प्लांट पर निर्मित)</li> </ol> <p>उपरोक्तानुसार सरल क्र. 1 से 2 तक का कार्य ट्रैफिक को देखते हुए अधिकतर रात्रि में ही किया जाता है। सरल क्र.3 से 5 तक के कार्य में सामग्री प्लांट से तैयार होकर वेट कंडीशन में ही कार्य स्थल पर आती है जिसे मशीनो से लेइंग व कम्पैशन किया जाता है। अधिकांश कार्य सीमेंट बेस्ड होने से 28 दिन तक गोनी बैग बिछाकर क्युरिंग की जाती है साथ ही मार्ग के दूसरे हिस्से में निरंतर पानी का छिड़काव किया जाकर प्रदूषण को नियंत्रित किया जाता है।</p>
5	निर्माण अपशिष्ट का निपटान	<p>खुदाई से प्राप्त निर्माण अपशिष्ट व मिट्टी को रिक्त शासकीय भूमि में डालकर उनको अन्य प्रयोजन हेतु विकसित किया जा रहा है। जिसे स्थानीय जन प्रतिनिधियों व शासकीय संस्थाओं के परामर्श से किया जा रहा है। निजी भू-स्वामियों द्वारा भी मांगे जाने पर उनकी भूमि को भी उपरोक्तानुसार विकसित किया जा रहा है।</p>
6	सड़क निर्माण से उत्पन्न धूल कणों के नियंत्रण हेतु की गई व्यवस्था :	<p>सड़क निर्माण कार्य में उपयोग किये जा रहे वाहनों की तुलना में प्रतिदिन गुजरने वाले लगभग 10,000 वाहनों की संख्या बहुत अधिक है चूंकि वैकल्पिक मार्ग न होने से वाहनों का आवागमन निर्माणाधीन मार्ग पर ही हो रहा है। अतः उनका प्रदूषण ही ज्यादा है। निर्माण एजेंसी द्वारा मार्ग के विभिन्न हिस्सों में अलग अलग टैंकरों से नियमित पानी का छिड़काव किया जाता है एवं वर्तमान में प्रदूषण की मॉनिटरिंग हेतु NABL द्वारा प्रमाणित लैब से कराये गए टेस्ट मानक अनुसार पाए गए हैं। (प्रतिलिपि संलग्न )</p>
7	सड़क निर्माण के दौरान ट्रैफिक नियंत्रण हेतु व्यवस्था का विवरण - जैसे प्रतिघंटा कुल वाहनों की संख्या :	<p>सड़क निर्माण के दौरान ट्रैफिक नियंत्रण हेतु यातायात पुलिस को सहयोग करने ट्रैफिक वालंटियर निर्माण एजेंसी द्वारा लगाए गए हैं। जो यातायात के सुचारु रूप से आवागमन में सहयोग कर रहे हैं। (फोटोग्राफ्स संलग्न)</p>

		Peak Hours में 1000 वाहन प्रति घंटा एवं Normal Hours में 700 वाहन प्रति घंटा
8	वाहन परिवहन से उत्पन्न प्रदूषण के नियंत्रण हेतु व्यवस्था का विवरण ( वाटर स्प्रिंकलिंग आदि ) :	निर्माण एजेंसी द्वारा मार्ग के विभिन्न हिस्सों में अलग अलग टैंकरों (लगभग 6) से नियमित पानी का छिड़काव किया जाता है। (फोटोग्राफ्स संलग्न)
9	पस्तावित सिक्स लेन सड़क से उपयोग करने वाले क्षेत्र एवं जनसंख्या का विवरण :	सिक्स लेन को उपयोग करने वाले क्षेत्र क्रमशः पुना भंडी सर्वधर्म बंजारी बिमा कुंज महाबनी नगर दामिश् कुंज मयापुरा अकबरपुर मलिका नगर गेहूखेड़ा बैरागढ़ चौधरी बोरदा इनायतपुर कामापानी इत्यादि है। कोसार क्षेत्र एवं उसके आसपास की वर्तमान जनसंख्या लगभग 2.00 लाख है एवं वर्तमान वाहनों की संख्या लगभग 10,000 (फोर व्हीलर एवं टू व्हीलर) है।

(15)  
कार्यपालन यंत्री

संधारण संभाग क्रमांक-2  
लोक निर्माण विभाग, भोपाल

दिनांक: 15/01/20

पृ. क्र. 217 /तक. / भोपाल

प्रतिलिपि:

- (1) प्रमुख अभियंता मध्यप्रदेश लोक निर्माण विभाग निर्माण भवन भोपाल की ओर सूचनाार्थ।
- (2) मुख्य अभियंता (भो.परि.) लोक निर्माण विभाग निर्माण भवन भोपाल की ओर सूचनाार्थ।
- (3) क्षेत्रीय अधिकारी, म. प्र. प्रदूषण नियंत्रण बोर्ड, भोपाल की ओर सूचनाार्थ।

सह पत्र- शून्य

कार्यपालन यंत्री

संधारण संभाग क्रमांक-2  
लोक निर्माण विभाग, भोपाल

TS: 01/2024



# Madhya Pradesh Pollution Control Board

Environment Surveillance Centre

Paryawaran Parisar, E-5, Arera Colony, Bhopal -462 016 (M.P.)

## Air Quality Index of Bhopal, Paryawaran Parisar From 2023-01-01 To 2023-01-31

#	Date	AQI	AQI Category	Prominent Pollutant
1	2023-01-01	164	Moderate	PM <sub>10</sub>
2	2023-01-02	159	Moderate	PM <sub>10</sub>
3	2023-01-03	140	Moderate	PM <sub>10</sub>
4	2023-01-04	167	Moderate	PM <sub>10</sub>
5	2023-01-05	131	Moderate	PM <sub>10</sub>
6	2023-01-06	124	Moderate	PM <sub>10</sub>
7	2023-01-07	168	Moderate	PM <sub>10</sub>
8	2023-01-08	178	Moderate	PM <sub>10</sub>
9	2023-01-09	157	Moderate	PM <sub>10</sub>
10	2023-01-10	178	Moderate	PM <sub>10</sub>
11	2023-01-11	191	Moderate	PM <sub>10</sub>
12	2023-01-12	124	Moderate	PM <sub>10</sub>
13	2023-01-13	117	Moderate	PM <sub>10</sub>
14	2023-01-14	142	Moderate	PM <sub>10</sub>
15	2023-01-15	154	Moderate	PM <sub>10</sub>
16	2023-01-16	160	Moderate	PM <sub>10</sub>
17	2023-01-17	134	Moderate	PM <sub>10</sub>
18	2023-01-18	114	Moderate	PM <sub>2.5</sub>
19	2023-01-19	165	Moderate	PM <sub>10</sub>
20	2023-01-20	157	Moderate	PM <sub>10</sub>
21	2023-01-21	237	Poor	PM <sub>2.5</sub>
22	2023-01-22	225	Poor	PM <sub>2.5</sub>
23	2023-01-23	188	Moderate	PM <sub>2.5</sub>
24	2023-01-24	163	Moderate	PM <sub>10</sub>
25	2023-01-25	207	Poor	PM <sub>2.5</sub>
26	2023-01-26	ID		
27	2023-01-27	ID		
28	2023-01-28	188	Moderate	PM <sub>10</sub>
29	2023-01-29	169	Moderate	PM <sub>10</sub>
30	2023-01-30	175	Moderate	PM <sub>2.5</sub>
31	2023-01-31	141	Moderate	PM <sub>10</sub>
<b>Min. AQI</b>	2023-01-18	114	Moderate	PM <sub>2.5</sub>
<b>Max. AQI</b>	2023-01-21	237	Poor	PM <sub>2.5</sub>
<b>Avg. AQI</b>		163	Moderate	

**AQI Levels**

**Prominent Pollutant**

<b>AQI Category</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>	<b>Pollutant</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>
Good	0	0 %	PM <sub>10</sub>	23	79.31 %
Satisfactory	0	0 %	PM <sub>2.5</sub>	6	20.69 %
Moderate	26	89.66 %	NH <sub>3</sub>	0	0 %
Poor	3	10.34 %	SO <sub>2</sub>	0	0 %
Very Poor	0	0 %	CO	0	0 %
Severe	0	0 %	NO <sub>x</sub>	0	0 %
ID (Insufficient Data)/Total Days	2/31		O <sub>3</sub>	0	0 %



# Madhya Pradesh Pollution Control Board

Environment Surveillance Centre

Paryawaran Parisar, E-5, Arera Colony, Bhopal -462 016 (M.P.)

## Air Quality Index of Bhopal, Paryawaran Parisar From 2023-02-01 To 2023-02-28

#	Date	AQI	AQI Category	Prominent Pollutant
1	2023-02-01	140	Moderate	PM <sub>10</sub>
2	2023-02-02	145	Moderate	PM <sub>10</sub>
3	2023-02-03	154	Moderate	PM <sub>10</sub>
4	2023-02-04	169	Moderate	PM <sub>10</sub>
5	2023-02-05	165	Moderate	PM <sub>10</sub>
6	2023-02-06	159	Moderate	PM <sub>10</sub>
7	2023-02-07	115	Moderate	PM <sub>10</sub>
8	2023-02-08	146	Moderate	PM <sub>10</sub>
9	2023-02-09	182	Moderate	PM <sub>10</sub>
10	2023-02-10	138	Moderate	PM <sub>10</sub>
11	2023-02-11	105	Moderate	PM <sub>10</sub>
12	2023-02-12	150	Moderate	PM <sub>10</sub>
13	2023-02-13	126	Moderate	PM <sub>10</sub>
14	2023-02-14	ID		
15	2023-02-15	ID		
16	2023-02-16	ID		
17	2023-02-17	129	Moderate	PM <sub>10</sub>
18	2023-02-18	158	Moderate	PM <sub>10</sub>
19	2023-02-19	164	Moderate	PM <sub>10</sub>
20	2023-02-20	144	Moderate	PM <sub>10</sub>
21	2023-02-21	119	Moderate	PM <sub>10</sub>
22	2023-02-22	120	Moderate	PM <sub>10</sub>
23	2023-02-23	136	Moderate	PM <sub>10</sub>
24	2023-02-24	148	Moderate	PM <sub>10</sub>
25	2023-02-25	149	Moderate	PM <sub>10</sub>
26	2023-02-26	147	Moderate	PM <sub>10</sub>
27	2023-02-27	134	Moderate	PM <sub>10</sub>
28	2023-02-28	158	Moderate	PM <sub>10</sub>
<b>Min. AQI</b>	2023-02-11	105	Moderate	PM <sub>10</sub>
<b>Max. AQI</b>	2023-02-09	182	Moderate	PM <sub>10</sub>
<b>Avg. AQI</b>		144	Moderate	

AQI Levels			Prominent Pollutant		
AQI Category	Days in Number	Days in %(Per.)	Pollutant	Days in Number	Days in %(Per.)
Good	0	0 %	PM <sub>10</sub>	25	100 %

Satisfactory	0	0 %	PM <sub>2.5</sub>	0	0 %
Moderate	25	100 %	NH <sub>3</sub>	0	0 %
Poor	0	0 %	SO <sub>2</sub>	0	0 %
Very Poor	0	0 %	CO	0	0 %
Severe	0	0 %	NO <sub>x</sub>	0	0 %
ID (Insufficient Data)/Total Days	3/28		O <sub>3</sub>	0	0 %



# Madhya Pradesh Pollution Control Board

Environment Surveillance Centre

Paryawaran Parisar, E-5, Arera Colony, Bhopal -462 016 (M.P.)

## Air Quality Index of Bhopal, Paryawaran Parisar From 2023-03-01 To 2023-03-31

#	Date	AQI	AQI Category	Prominent Pollutant
1	2023-03-01	164	Moderate	PM <sub>10</sub>
2	2023-03-02	170	Moderate	PM <sub>2.5</sub>
3	2023-03-03	159	Moderate	PM <sub>10</sub>
4	2023-03-04	141	Moderate	PM <sub>10</sub>
5	2023-03-05	117	Moderate	PM <sub>10</sub>
6	2023-03-06	96	Satisfactory	PM <sub>10</sub>
7	2023-03-07	85	Satisfactory	CO
8	2023-03-08	290	Poor	PM <sub>2.5</sub>
9	2023-03-09	76	Satisfactory	CO
10	2023-03-10	86	Satisfactory	PM <sub>10</sub>
11	2023-03-11	94	Satisfactory	PM <sub>10</sub>
12	2023-03-12	116	Moderate	PM <sub>10</sub>
13	2023-03-13	120	Moderate	PM <sub>10</sub>
14	2023-03-14	104	Moderate	PM <sub>10</sub>
15	2023-03-15	102	Moderate	PM <sub>10</sub>
16	2023-03-16	76	Satisfactory	PM <sub>10</sub>
17	2023-03-17	58	Satisfactory	PM <sub>10</sub>
18	2023-03-18	66	Satisfactory	O <sub>3</sub>
19	2023-03-19	52	Satisfactory	O <sub>3</sub>
20	2023-03-20	53	Satisfactory	CO
21	2023-03-21	88	Satisfactory	PM <sub>10</sub>
22	2023-03-22	93	Satisfactory	PM <sub>10</sub>
23	2023-03-23	116	Moderate	PM <sub>10</sub>
24	2023-03-24	80	Satisfactory	PM <sub>10</sub>
25	2023-03-25	82	Satisfactory	PM <sub>10</sub>
26	2023-03-26	88	Satisfactory	PM <sub>10</sub>
27	2023-03-27	108	Moderate	PM <sub>10</sub>
28	2023-03-28	135	Moderate	PM <sub>10</sub>
29	2023-03-29	139	Moderate	PM <sub>10</sub>
30	2023-03-30	122	Moderate	PM <sub>10</sub>
31	2023-03-31	93	Satisfactory	PM <sub>10</sub>
<b>Min. AQI</b>	2023-03-19	52	Satisfactory	O <sub>3</sub>
<b>Max. AQI</b>	2023-03-08	290	Poor	PM <sub>2.5</sub>
<b>Avg. AQI</b>		109	Moderate	

**AQI Levels**

**Prominent Pollutant**

<b>AQI Category</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>	<b>Pollutant</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>
Good	0	0 %	PM <sub>10</sub>	24	77.42 %
Satisfactory	16	51.61 %	PM <sub>2.5</sub>	2	6.45 %
Moderate	14	45.16 %	NH <sub>3</sub>	0	0 %
Poor	1	3.23 %	SO <sub>2</sub>	0	0 %
Very Poor	0	0 %	CO	3	9.68 %
Severe	0	0 %	NO <sub>x</sub>	0	0 %
ID (Insufficient Data)/Total Days	0/31		O <sub>3</sub>	2	6.45 %



# Madhya Pradesh Pollution Control Board

Environment Surveillance Centre

Paryawaran Parisar, E-5, Arera Colony, Bhopal -462 016 (M.P.)

## Air Quality Index of Bhopal, Paryawaran Parisar From 2023-04-01 To 2023-04-30

#	Date	AQI	AQI Category	Prominent Pollutant
1	2023-04-01	85	Satisfactory	PM <sub>10</sub>
2	2023-04-02	83	Satisfactory	PM <sub>10</sub>
3	2023-04-03	98	Satisfactory	PM <sub>10</sub>
4	2023-04-04	100	Satisfactory	PM <sub>10</sub>
5	2023-04-05	101	Moderate	PM <sub>10</sub>
6	2023-04-06	104	Moderate	PM <sub>10</sub>
7	2023-04-07	121	Moderate	PM <sub>10</sub>
8	2023-04-08	81	Satisfactory	PM <sub>10</sub>
9	2023-04-09	98	Satisfactory	PM <sub>10</sub>
10	2023-04-10	192	Moderate	PM <sub>2.5</sub>
11	2023-04-11	142	Moderate	PM <sub>10</sub>
12	2023-04-12	142	Moderate	PM <sub>10</sub>
13	2023-04-13	90	Satisfactory	PM <sub>10</sub>
14	2023-04-14	104	Moderate	PM <sub>10</sub>
15	2023-04-15	109	Moderate	PM <sub>10</sub>
16	2023-04-16	84	Satisfactory	PM <sub>10</sub>
17	2023-04-17	92	Satisfactory	PM <sub>10</sub>
18	2023-04-18	100	Satisfactory	PM <sub>10</sub>
19	2023-04-19	98	Satisfactory	PM <sub>10</sub>
20	2023-04-20	102	Moderate	PM <sub>10</sub>
21	2023-04-21	76	Satisfactory	PM <sub>10</sub>
22	2023-04-22	104	Moderate	PM <sub>10</sub>
23	2023-04-23	91	Satisfactory	PM <sub>10</sub>
24	2023-04-24	100	Satisfactory	PM <sub>10</sub>
25	2023-04-25	103	Moderate	PM <sub>10</sub>
26	2023-04-26	89	Satisfactory	PM <sub>10</sub>
27	2023-04-27	66	Satisfactory	O <sub>3</sub>
28	2023-04-28	57	Satisfactory	O <sub>3</sub>
29	2023-04-29	64	Satisfactory	PM <sub>10</sub>
30	2023-04-30	71	Satisfactory	SO <sub>2</sub>
<b>Min. AQI</b>	2023-04-28	57	Satisfactory	O <sub>3</sub>
<b>Max. AQI</b>	2023-04-10	192	Moderate	PM <sub>2.5</sub>
<b>Avg. AQI</b>		98	Satisfactory	

**AQI Levels**

**Prominent Pollutant**

<b>AQI Category</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>	<b>Pollutant</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>
Good	0	0 %	PM <sub>10</sub>	26	86.67 %
Satisfactory	19	63.33 %	PM <sub>2.5</sub>	1	3.33 %
Moderate	11	36.67 %	NH <sub>3</sub>	0	0 %
Poor	0	0 %	SO <sub>2</sub>	1	3.33 %
Very Poor	0	0 %	CO	0	0 %
Severe	0	0 %	NO <sub>x</sub>	0	0 %
ID (Insufficient Data)/Total Days	0/30		O <sub>3</sub>	2	6.67 %



# Madhya Pradesh Pollution Control Board

Environment Surveillance Centre

Paryawaran Parisar, E-5, Arera Colony, Bhopal -462 016 (M.P.)

## Air Quality Index of Bhopal, Paryawaran Parisar From 2023-05-01 To 2023-05-31

#	Date	AQI	AQI Category	Prominent Pollutant
1	2023-05-01	72	Satisfactory	SO <sub>2</sub>
2	2023-05-02	71	Satisfactory	SO <sub>2</sub>
3	2023-05-03	66	Satisfactory	SO <sub>2</sub>
4	2023-05-04	59	Satisfactory	SO <sub>2</sub>
5	2023-05-05	84	Satisfactory	PM <sub>2.5</sub>
6	2023-05-06	73	Satisfactory	PM <sub>2.5</sub>
7	2023-05-07	77	Satisfactory	O <sub>3</sub>
8	2023-05-08	85	Satisfactory	PM <sub>2.5</sub>
9	2023-05-09	87	Satisfactory	PM <sub>10</sub>
10	2023-05-10	101	Moderate	PM <sub>10</sub>
11	2023-05-11	118	Moderate	PM <sub>10</sub>
12	2023-05-12	108	Moderate	PM <sub>10</sub>
13	2023-05-13	91	Satisfactory	PM <sub>10</sub>
14	2023-05-14	71	Satisfactory	PM <sub>10</sub>
15	2023-05-15	53	Satisfactory	PM <sub>10</sub>
16	2023-05-16	56	Satisfactory	PM <sub>10</sub>
17	2023-05-17	55	Satisfactory	PM <sub>10</sub>
18	2023-05-18	59	Satisfactory	PM <sub>10</sub>
19	2023-05-19	58	Satisfactory	PM <sub>10</sub>
20	2023-05-20	62	Satisfactory	PM <sub>10</sub>
21	2023-05-21	57	Satisfactory	PM <sub>10</sub>
22	2023-05-22	57	Satisfactory	O <sub>3</sub>
23	2023-05-23	59	Satisfactory	O <sub>3</sub>
24	2023-05-24	54	Satisfactory	PM <sub>10</sub>
25	2023-05-25	53	Satisfactory	PM <sub>10</sub>
26	2023-05-26	48	Good	PM <sub>10</sub>
27	2023-05-27	64	Satisfactory	PM <sub>10</sub>
28	2023-05-28	58	Satisfactory	PM <sub>10</sub>
29	2023-05-29	51	Satisfactory	PM <sub>10</sub>
30	2023-05-30	ID		
31	2023-05-31	ID		
<b>Min. AQI</b>	2023-05-26	48	Good	PM <sub>10</sub>
<b>Max. AQI</b>	2023-05-11	118	Moderate	PM <sub>10</sub>
<b>Avg. AQI</b>		69	Satisfactory	

**AQI Levels**

**Prominent Pollutant**

<b>AQI Category</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>	<b>Pollutant</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>
<b>Good</b>	1	3.45 %	PM <sub>10</sub>	19	65.52 %
<b>Satisfactory</b>	25	86.21 %	PM <sub>2.5</sub>	3	10.34 %
<b>Moderate</b>	3	10.34 %	NH <sub>3</sub>	0	0 %
<b>Poor</b>	0	0 %	SO <sub>2</sub>	4	13.79 %
<b>Very Poor</b>	0	0 %	CO	0	0 %
<b>Severe</b>	0	0 %	NO <sub>x</sub>	0	0 %
<b>ID (Insufficient Data)/Total Days</b>	2/31		O <sub>3</sub>	3	10.34 %



# Madhya Pradesh Pollution Control Board

Environment Surveillance Centre

Paryawaran Parisar, E-5, Arera Colony, Bhopal -462 016 (M.P.)

## Air Quality Index of Bhopal, Paryawaran Parisar From 2023-06-01 To 2023-06-30

#	Date	AQI	AQI Category	Prominent Pollutant
1	2023-06-01	ID		
2	2023-06-02	ID		
3	2023-06-03	ID		
4	2023-06-04	54	Satisfactory	O <sub>3</sub>
5	2023-06-05	62	Satisfactory	PM <sub>10</sub>
6	2023-06-06	88	Satisfactory	PM <sub>10</sub>
7	2023-06-07	148	Moderate	PM <sub>10</sub>
8	2023-06-08	79	Satisfactory	PM <sub>10</sub>
9	2023-06-09	67	Satisfactory	PM <sub>10</sub>
10	2023-06-10	66	Satisfactory	PM <sub>10</sub>
11	2023-06-11	48	Good	O <sub>3</sub>
12	2023-06-12	56	Satisfactory	PM <sub>10</sub>
13	2023-06-13	69	Satisfactory	PM <sub>10</sub>
14	2023-06-14	76	Satisfactory	PM <sub>10</sub>
15	2023-06-15	73	Satisfactory	PM <sub>10</sub>
16	2023-06-16	84	Satisfactory	PM <sub>10</sub>
17	2023-06-17	82	Satisfactory	PM <sub>10</sub>
18	2023-06-18	111	Moderate	PM <sub>10</sub>
19	2023-06-19	105	Moderate	PM <sub>10</sub>
20	2023-06-20	103	Moderate	PM <sub>10</sub>
21	2023-06-21	102	Moderate	PM <sub>10</sub>
22	2023-06-22	43	Good	SO <sub>2</sub>
23	2023-06-23	40	Good	SO <sub>2</sub>
24	2023-06-24	ID		
25	2023-06-25	108	Moderate	PM <sub>10</sub>
26	2023-06-26	182	Moderate	PM <sub>10</sub>
27	2023-06-27	122	Moderate	PM <sub>10</sub>
28	2023-06-28	93	Satisfactory	PM <sub>10</sub>
29	2023-06-29	73	Satisfactory	PM <sub>10</sub>
30	2023-06-30	50	Good	PM <sub>10</sub>
<b>Min. AQI</b>	2023-06-23	40	Good	SO <sub>2</sub>
<b>Max. AQI</b>	2023-06-26	182	Moderate	PM <sub>10</sub>
<b>Avg. AQI</b>		84	Satisfactory	

**AQI Levels**

**Prominent Pollutant**

<b>AQI Category</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>	<b>Pollutant</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>
Good	4	15.38 %	PM <sub>10</sub>	22	84.62 %
Satisfactory	14	53.85 %	PM <sub>2.5</sub>	0	0 %
Moderate	8	30.77 %	NH <sub>3</sub>	0	0 %
Poor	0	0 %	SO <sub>2</sub>	2	7.69 %
Very Poor	0	0 %	CO	0	0 %
Severe	0	0 %	NO <sub>x</sub>	0	0 %
ID (Insufficient Data)/Total Days	4/30		O <sub>3</sub>	2	7.69 %



# Madhya Pradesh Pollution Control Board

Environment Surveillance Centre

Paryawaran Parisar, E-5, Arera Colony, Bhopal -462 016 (M.P.)

## Air Quality Index of Bhopal, Paryawaran Parisar From 2023-07-01 To 2023-07-31

#	Date	AQI	AQI Category	Prominent Pollutant
1	2023-07-01	60	Satisfactory	PM <sub>10</sub>
2	2023-07-02	54	Satisfactory	PM <sub>10</sub>
3	2023-07-03	94	Satisfactory	PM <sub>10</sub>
4	2023-07-04	98	Satisfactory	PM <sub>10</sub>
5	2023-07-05	76	Satisfactory	PM <sub>10</sub>
6	2023-07-06	69	Satisfactory	PM <sub>10</sub>
7	2023-07-07	51	Satisfactory	PM <sub>10</sub>
8	2023-07-08	46	Good	PM <sub>10</sub>
9	2023-07-09	61	Satisfactory	PM <sub>10</sub>
10	2023-07-10	51	Satisfactory	PM <sub>10</sub>
11	2023-07-11	65	Satisfactory	CO
12	2023-07-12	59	Satisfactory	PM <sub>10</sub>
13	2023-07-13	66	Satisfactory	PM <sub>10</sub>
14	2023-07-14	68	Satisfactory	PM <sub>10</sub>
15	2023-07-15	106	Moderate	PM <sub>10</sub>
16	2023-07-16	80	Satisfactory	PM <sub>10</sub>
17	2023-07-17	78	Satisfactory	PM <sub>10</sub>
18	2023-07-18	112	Moderate	PM <sub>10</sub>
19	2023-07-19	118	Moderate	PM <sub>10</sub>
20	2023-07-20	156	Moderate	PM <sub>10</sub>
21	2023-07-21	91	Satisfactory	PM <sub>10</sub>
22	2023-07-22	84	Satisfactory	PM <sub>10</sub>
23	2023-07-23	101	Moderate	PM <sub>2.5</sub>
24	2023-07-24	56	Satisfactory	PM <sub>10</sub>
25	2023-07-25	42	Good	PM <sub>10</sub>
26	2023-07-26	54	Satisfactory	PM <sub>10</sub>
27	2023-07-27	67	Satisfactory	PM <sub>10</sub>
28	2023-07-28	47	Good	PM <sub>10</sub>
29	2023-07-29	54	Satisfactory	PM <sub>10</sub>
30	2023-07-30	33	Good	PM <sub>10</sub>
31	2023-07-31	43	Good	PM <sub>10</sub>
<b>Min. AQI</b>	2023-07-30	33	Good	PM <sub>10</sub>
<b>Max. AQI</b>	2023-07-20	156	Moderate	PM <sub>10</sub>
<b>Avg. AQI</b>		72	Satisfactory	

**AQI Levels**

**Prominent Pollutant**

<b>AQI Category</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>	<b>Pollutant</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>
Good	5	16.13 %	PM <sub>10</sub>	29	93.55 %
Satisfactory	21	67.74 %	PM <sub>2.5</sub>	1	3.23 %
Moderate	5	16.13 %	NH <sub>3</sub>	0	0 %
Poor	0	0 %	SO <sub>2</sub>	0	0 %
Very Poor	0	0 %	CO	1	3.23 %
Severe	0	0 %	NO <sub>x</sub>	0	0 %
ID (Insufficient Data)/Total Days	0/31		O <sub>3</sub>	0	0 %



# Madhya Pradesh Pollution Control Board

Environment Surveillance Centre

Paryawaran Parisar, E-5, Arera Colony, Bhopal -462 016 (M.P.)

## Air Quality Index of Bhopal, Paryawaran Parisar From 2023-08-01 To 2023-08-31

#	Date	AQI	AQI Category	Prominent Pollutant
1	2023-08-01	50	Good	PM <sub>10</sub>
2	2023-08-02	33	Good	PM <sub>10</sub>
3	2023-08-03	41	Good	PM <sub>10</sub>
4	2023-08-04	44	Good	PM <sub>10</sub>
5	2023-08-05	45	Good	PM <sub>10</sub>
6	2023-08-06	50	Good	PM <sub>10</sub>
7	2023-08-07	60	Satisfactory	PM <sub>10</sub>
8	2023-08-08	49	Good	PM <sub>10</sub>
9	2023-08-09	ID		
10	2023-08-10	83	Satisfactory	PM <sub>10</sub>
11	2023-08-11	71	Satisfactory	PM <sub>10</sub>
12	2023-08-12	81	Satisfactory	PM <sub>10</sub>
13	2023-08-13	52	Satisfactory	PM <sub>10</sub>
14	2023-08-14	49	Good	PM <sub>10</sub>
15	2023-08-15	58	Satisfactory	PM <sub>10</sub>
16	2023-08-16	61	Satisfactory	PM <sub>10</sub>
17	2023-08-17	86	Satisfactory	PM <sub>10</sub>
18	2023-08-18	79	Satisfactory	PM <sub>10</sub>
19	2023-08-19	87	Satisfactory	PM <sub>10</sub>
20	2023-08-20	64	Satisfactory	PM <sub>10</sub>
21	2023-08-21	44	Good	PM <sub>10</sub>
22	2023-08-22	56	Satisfactory	PM <sub>10</sub>
23	2023-08-23	66	Satisfactory	PM <sub>10</sub>
24	2023-08-24	51	Satisfactory	PM <sub>10</sub>
25	2023-08-25	102	Moderate	PM <sub>10</sub>
26	2023-08-26	100	Satisfactory	PM <sub>10</sub>
27	2023-08-27	121	Moderate	PM <sub>10</sub>
28	2023-08-28	132	Moderate	PM <sub>10</sub>
29	2023-08-29	106	Moderate	PM <sub>10</sub>
30	2023-08-30	113	Moderate	PM <sub>10</sub>
31	2023-08-31	115	Moderate	PM <sub>10</sub>
<b>Min. AQI</b>	2023-08-02	33	Good	PM <sub>10</sub>
<b>Max. AQI</b>	2023-08-28	132	Moderate	PM <sub>10</sub>
<b>Avg. AQI</b>		72	Satisfactory	

**AQI Levels**

**Prominent Pollutant**

<b>AQI Category</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>	<b>Pollutant</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>
Good	9	30 %	PM <sub>10</sub>	30	100 %
Satisfactory	15	50 %	PM <sub>2.5</sub>	0	0 %
Moderate	6	20 %	NH <sub>3</sub>	0	0 %
Poor	0	0 %	SO <sub>2</sub>	0	0 %
Very Poor	0	0 %	CO	0	0 %
Severe	0	0 %	NO <sub>x</sub>	0	0 %
ID (Insufficient Data)/Total Days	1/31		O <sub>3</sub>	0	0 %



# Madhya Pradesh Pollution Control Board

Environment Surveillance Centre

Paryawaran Parisar, E-5, Arera Colony, Bhopal -462 016 (M.P.)

Air Quality Index of Bhopal, Paryawaran Parisar From 2023-09-01 To 2023-09-30

#	Date	AQI	AQI Category	Prominent Pollutant
1	2023-09-01	111	Moderate	PM <sub>10</sub>
2	2023-09-02	104	Moderate	PM <sub>10</sub>
3	2023-09-03	104	Moderate	PM <sub>10</sub>
4	2023-09-04	91	Satisfactory	PM <sub>10</sub>
5	2023-09-05	74	Satisfactory	PM <sub>10</sub>
6	2023-09-06	35	Good	PM <sub>10</sub>
7	2023-09-07	70	Satisfactory	PM <sub>10</sub>
8	2023-09-08	374	Very Poor	PM <sub>2.5</sub>
9	2023-09-09	ID		
10	2023-09-10	39	Good	SO <sub>2</sub>
11	2023-09-11	53	Satisfactory	PM <sub>10</sub>
12	2023-09-12	52	Satisfactory	CO
13	2023-09-13	30	Good	SO <sub>2</sub>
14	2023-09-14	49	Good	PM <sub>10</sub>
15	2023-09-15	52	Satisfactory	CO
16	2023-09-16	26	Good	O <sub>3</sub>
17	2023-09-17	31	Good	PM <sub>10</sub>
18	2023-09-18	50	Good	PM <sub>10</sub>
19	2023-09-19	53	Satisfactory	PM <sub>10</sub>
20	2023-09-20	51	Satisfactory	CO
21	2023-09-21	47	Good	PM <sub>10</sub>
22	2023-09-22	38	Good	PM <sub>10</sub>
23	2023-09-23	ID		
24	2023-09-24	ID		
25	2023-09-25	ID		
26	2023-09-26	ID		
27	2023-09-27	104	Moderate	PM <sub>10</sub>
28	2023-09-28	107	Moderate	PM <sub>10</sub>
29	2023-09-29	118	Moderate	PM <sub>2.5</sub>
30	2023-09-30	110	Moderate	PM <sub>10</sub>
<b>Min. AQI</b>	2023-09-16	26	Good	O <sub>3</sub>
<b>Max. AQI</b>	2023-09-08	374	Very Poor	PM <sub>2.5</sub>
<b>Avg. AQI</b>		79	Satisfactory	

AQI Levels

Prominent Pollutant

<b>AQI Category</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>	<b>Pollutant</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>
Good	9	36 %	PM <sub>10</sub>	17	68 %
Satisfactory	8	32 %	PM <sub>2.5</sub>	2	8 %
Moderate	7	28 %	NH <sub>3</sub>	0	0 %
Poor	0	0 %	SO <sub>2</sub>	2	8 %
Very Poor	1	4 %	CO	3	12 %
Severe	0	0 %	NO <sub>x</sub>	0	0 %
ID (Insufficient Data)/Total Days	5/30		O <sub>3</sub>	1	4 %



# Madhya Pradesh Pollution Control Board

Environment Surveillance Centre

Paryawaran Parisar, E-5, Arera Colony, Bhopal -462 016 (M.P.)

## Air Quality Index of Bhopal, Paryawaran Parisar From 2023-10-01 To 2023-10-31

#	Date	AQI	AQI Category	Prominent Pollutant
1	2023-10-01	114	Moderate	PM <sub>10</sub>
2	2023-10-02	134	Moderate	PM <sub>2.5</sub>
3	2023-10-03	104	Moderate	PM <sub>10</sub>
4	2023-10-04	95	Satisfactory	PM <sub>10</sub>
5	2023-10-05	96	Satisfactory	PM <sub>10</sub>
6	2023-10-06	85	Satisfactory	PM <sub>10</sub>
7	2023-10-07	83	Satisfactory	PM <sub>10</sub>
8	2023-10-08	81	Satisfactory	PM <sub>10</sub>
9	2023-10-09	87	Satisfactory	PM <sub>10</sub>
10	2023-10-10	80	Satisfactory	PM <sub>10</sub>
11	2023-10-11	69	Satisfactory	PM <sub>10</sub>
12	2023-10-12	70	Satisfactory	PM <sub>10</sub>
13	2023-10-13	84	Satisfactory	PM <sub>10</sub>
14	2023-10-14	76	Satisfactory	PM <sub>2.5</sub>
15	2023-10-15	70	Satisfactory	PM <sub>2.5</sub>
16	2023-10-16	78	Satisfactory	PM <sub>2.5</sub>
17	2023-10-17	75	Satisfactory	PM <sub>10</sub>
18	2023-10-18	100	Satisfactory	PM <sub>2.5</sub>
19	2023-10-19	90	Satisfactory	PM <sub>10</sub>
20	2023-10-20	122	Moderate	PM <sub>2.5</sub>
21	2023-10-21	132	Moderate	PM <sub>2.5</sub>
22	2023-10-22	134	Moderate	PM <sub>2.5</sub>
23	2023-10-23	134	Moderate	PM <sub>2.5</sub>
24	2023-10-24	122	Moderate	PM <sub>2.5</sub>
25	2023-10-25	105	Moderate	PM <sub>2.5</sub>
26	2023-10-26	ID		
27	2023-10-27	146	Moderate	PM <sub>2.5</sub>
28	2023-10-28	171	Moderate	PM <sub>2.5</sub>
29	2023-10-29	208	Poor	PM <sub>2.5</sub>
30	2023-10-30	261	Poor	PM <sub>2.5</sub>
31	2023-10-31	241	Poor	PM <sub>2.5</sub>
<b>Min. AQI</b>	2023-10-11	69	Satisfactory	PM <sub>10</sub>
<b>Max. AQI</b>	2023-10-30	261	Poor	PM <sub>2.5</sub>
<b>Avg. AQI</b>		115	Moderate	

**AQI Levels**

**Prominent Pollutant**

<b>AQI Category</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>	<b>Pollutant</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>
Good	0	0 %	PM <sub>10</sub>	14	46.67 %
Satisfactory	16	53.33 %	PM <sub>2.5</sub>	16	53.33 %
Moderate	11	36.67 %	NH <sub>3</sub>	0	0 %
Poor	3	10 %	SO <sub>2</sub>	0	0 %
Very Poor	0	0 %	CO	0	0 %
Severe	0	0 %	NO <sub>x</sub>	0	0 %
ID (Insufficient Data)/Total Days	1/31		O <sub>3</sub>	0	0 %



# Madhya Pradesh Pollution Control Board

Environment Surveillance Centre

Paryawaran Parisar, E-5, Arera Colony, Bhopal -462 016 (M.P.)

## Air Quality Index of Bhopal, Paryawaran Parisar From 2023-11-01 To 2023-11-30

#	Date	AQI	AQI Category	Prominent Pollutant
1	2023-11-01	267	Poor	PM <sub>2.5</sub>
2	2023-11-02	243	Poor	PM <sub>2.5</sub>
3	2023-11-03	240	Poor	PM <sub>2.5</sub>
4	2023-11-04	264	Poor	PM <sub>2.5</sub>
5	2023-11-05	313	Very Poor	PM <sub>2.5</sub>
6	2023-11-06	304	Very Poor	PM <sub>2.5</sub>
7	2023-11-07	231	Poor	PM <sub>2.5</sub>
8	2023-11-08	239	Poor	PM <sub>2.5</sub>
9	2023-11-09	257	Poor	PM <sub>2.5</sub>
10	2023-11-10	248	Poor	PM <sub>2.5</sub>
11	2023-11-11	140	Moderate	PM <sub>2.5</sub>
12	2023-11-12	304	Very Poor	PM <sub>2.5</sub>
13	2023-11-13	361	Very Poor	PM <sub>2.5</sub>
14	2023-11-14	332	Very Poor	PM <sub>2.5</sub>
15	2023-11-15	294	Poor	PM <sub>2.5</sub>
16	2023-11-16	278	Poor	PM <sub>2.5</sub>
17	2023-11-17	301	Very Poor	PM <sub>2.5</sub>
18	2023-11-18	321	Very Poor	PM <sub>2.5</sub>
19	2023-11-19	337	Very Poor	PM <sub>2.5</sub>
20	2023-11-20	305	Very Poor	PM <sub>2.5</sub>
21	2023-11-21	306	Very Poor	PM <sub>2.5</sub>
22	2023-11-22	285	Poor	PM <sub>2.5</sub>
23	2023-11-23	317	Very Poor	PM <sub>2.5</sub>
24	2023-11-24	335	Very Poor	PM <sub>2.5</sub>
25	2023-11-25	281	Poor	PM <sub>2.5</sub>
26	2023-11-26	296	Poor	PM <sub>2.5</sub>
27	2023-11-27	112	Moderate	PM <sub>2.5</sub>
28	2023-11-28	106	Moderate	PM <sub>10</sub>
29	2023-11-29	109	Moderate	PM <sub>10</sub>
30	2023-11-30	112	Moderate	PM <sub>2.5</sub>
<b>Min. AQI</b>	2023-11-28	106	Moderate	PM <sub>10</sub>
<b>Max. AQI</b>	2023-11-13	361	Very Poor	PM <sub>2.5</sub>
<b>Avg. AQI</b>		261	Poor	

**AQI Levels**

**Prominent Pollutant**

<b>AQI Category</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>	<b>Pollutant</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>
Good	0	0 %	PM <sub>10</sub>	2	6.67 %
Satisfactory	0	0 %	PM <sub>2.5</sub>	28	93.33 %
Moderate	5	16.67 %	NH <sub>3</sub>	0	0 %
Poor	13	43.33 %	SO <sub>2</sub>	0	0 %
Very Poor	12	40 %	CO	0	0 %
Severe	0	0 %	NO <sub>x</sub>	0	0 %
ID (Insufficient Data)/Total Days	0/30		O <sub>3</sub>	0	0 %



# Madhya Pradesh Pollution Control Board

Environment Surveillance Centre

Paryawaran Parisar, E-5, Arera Colony, Bhopal -462 016 (M.P.)

## Air Quality Index of Bhopal, Paryawaran Parisar From 2023-12-01 To 2023-12-31

#	Date	AQI	AQI Category	Prominent Pollutant
1	2023-12-01	58	Satisfactory	PM <sub>2.5</sub>
2	2023-12-02	94	Satisfactory	PM <sub>2.5</sub>
3	2023-12-03	115	Moderate	PM <sub>2.5</sub>
4	2023-12-04	199	Moderate	PM <sub>2.5</sub>
5	2023-12-05	123	Moderate	PM <sub>2.5</sub>
6	2023-12-06	84	Satisfactory	PM <sub>10</sub>
7	2023-12-07	83	Satisfactory	PM <sub>10</sub>
8	2023-12-08	84	Satisfactory	PM <sub>10</sub>
9	2023-12-09	152	Moderate	PM <sub>2.5</sub>
10	2023-12-10	147	Moderate	PM <sub>2.5</sub>
11	2023-12-11	135	Moderate	PM <sub>2.5</sub>
12	2023-12-12	93	Satisfactory	PM <sub>2.5</sub>
13	2023-12-13	120	Moderate	PM <sub>10</sub>
14	2023-12-14	131	Moderate	PM <sub>10</sub>
15	2023-12-15	191	Moderate	PM <sub>2.5</sub>
16	2023-12-16	261	Poor	PM <sub>2.5</sub>
17	2023-12-17	194	Moderate	PM <sub>2.5</sub>
18	2023-12-18	131	Moderate	PM <sub>10</sub>
19	2023-12-19	194	Moderate	PM <sub>2.5</sub>
20	2023-12-20	197	Moderate	PM <sub>2.5</sub>
21	2023-12-21	221	Poor	PM <sub>2.5</sub>
22	2023-12-22	169	Moderate	PM <sub>2.5</sub>
23	2023-12-23	258	Poor	PM <sub>2.5</sub>
24	2023-12-24	303	Very Poor	PM <sub>2.5</sub>
25	2023-12-25	333	Very Poor	PM <sub>2.5</sub>
26	2023-12-26	307	Very Poor	PM <sub>2.5</sub>
27	2023-12-27	273	Poor	PM <sub>2.5</sub>
28	2023-12-28	133	Moderate	PM <sub>2.5</sub>
29	2023-12-29	184	Moderate	PM <sub>2.5</sub>
30	2023-12-30	261	Poor	PM <sub>2.5</sub>
31	2023-12-31	308	Very Poor	PM <sub>2.5</sub>
<b>Min. AQI</b>	2023-12-01	58	Satisfactory	PM <sub>2.5</sub>
<b>Max. AQI</b>	2023-12-25	333	Very Poor	PM <sub>2.5</sub>
<b>Avg. AQI</b>		179	Moderate	

**AQI Levels**

**Prominent Pollutant**

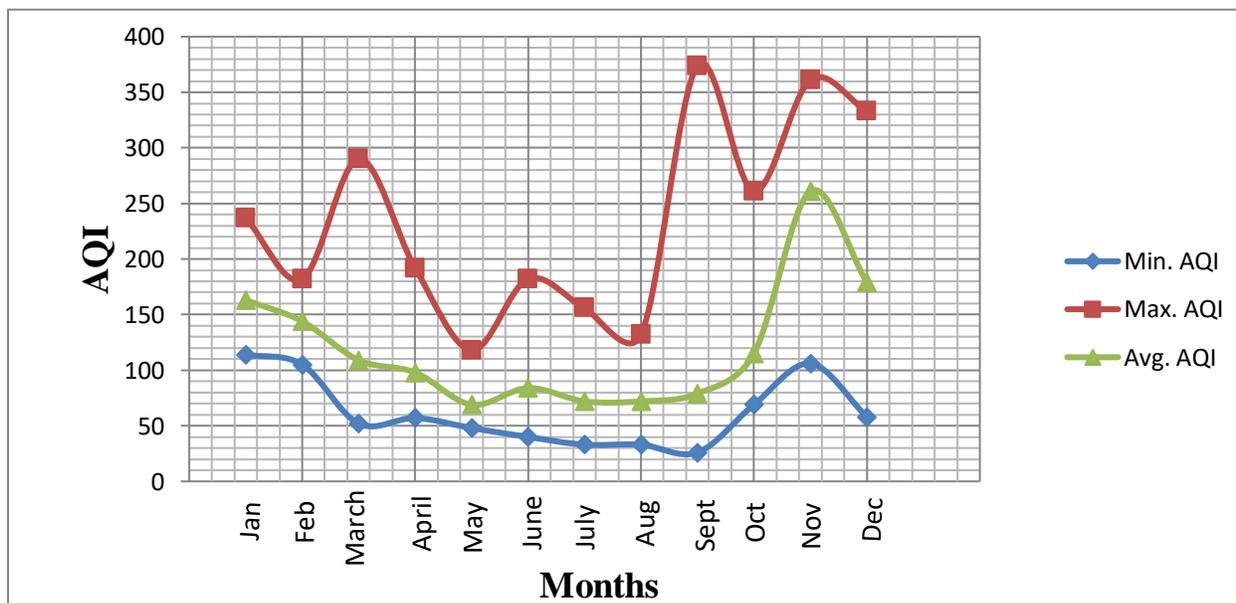
<b>AQI Category</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>	<b>Pollutant</b>	<b>Days in Number</b>	<b>Days in %(Per.)</b>
Good	0	0 %	PM <sub>10</sub>	6	19.35 %
Satisfactory	6	19.35 %	PM <sub>2.5</sub>	25	80.65 %
Moderate	16	51.61 %	NH <sub>3</sub>	0	0 %
Poor	5	16.13 %	SO <sub>2</sub>	0	0 %
Very Poor	4	12.9 %	CO	0	0 %
Severe	0	0 %	NO <sub>x</sub>	0	0 %
ID (Insufficient Data)/Total Days	0/31		O <sub>3</sub>	0	0 %

## AQI of the Year 2023

## Monthly AQI Value

S. No	Month	Min. AQI	Max. AQI	Avg. AQI
1	January	114	237	163
2	February	105	182	144
3	March	52	290	109
4	April	57	192	98
5	May	48	118	69
6	June	40	182	84
7	July	33	156	72
8	August	33	132	72
9	September	26	374	79
10	October	69	261	115
11	November	106	361	261
12	December	58	333	179

## Graphical representation of Min., Max. and Avg. AQI of the Year 2023



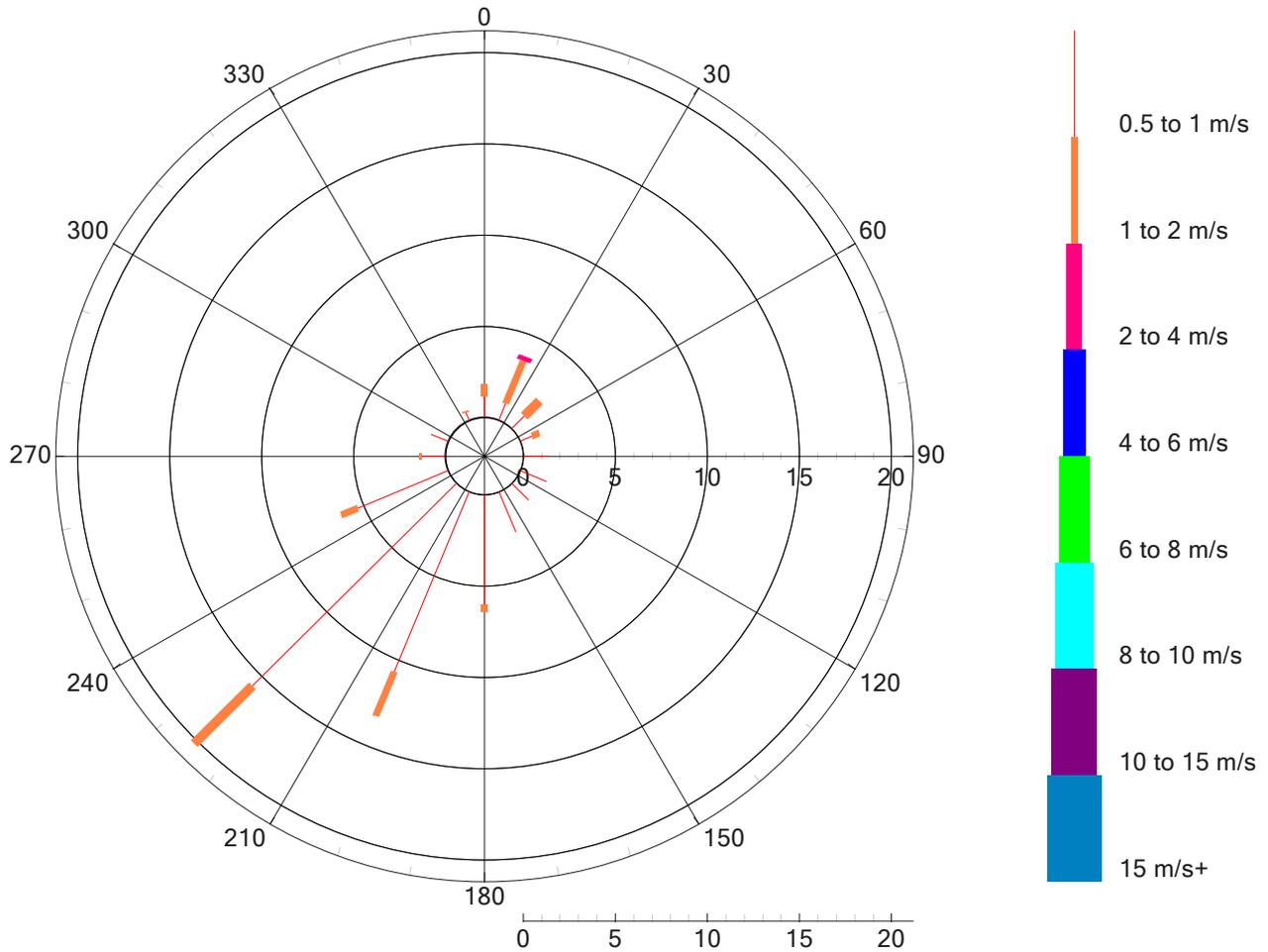


# Madhya Pradesh Pollution Control Board

Continuous Ambient Air Quality Monitoring Station : Bhopal : Paryavaran Parisar

Wind Rose

January 2023



35.5% calm

96.1% valid data present

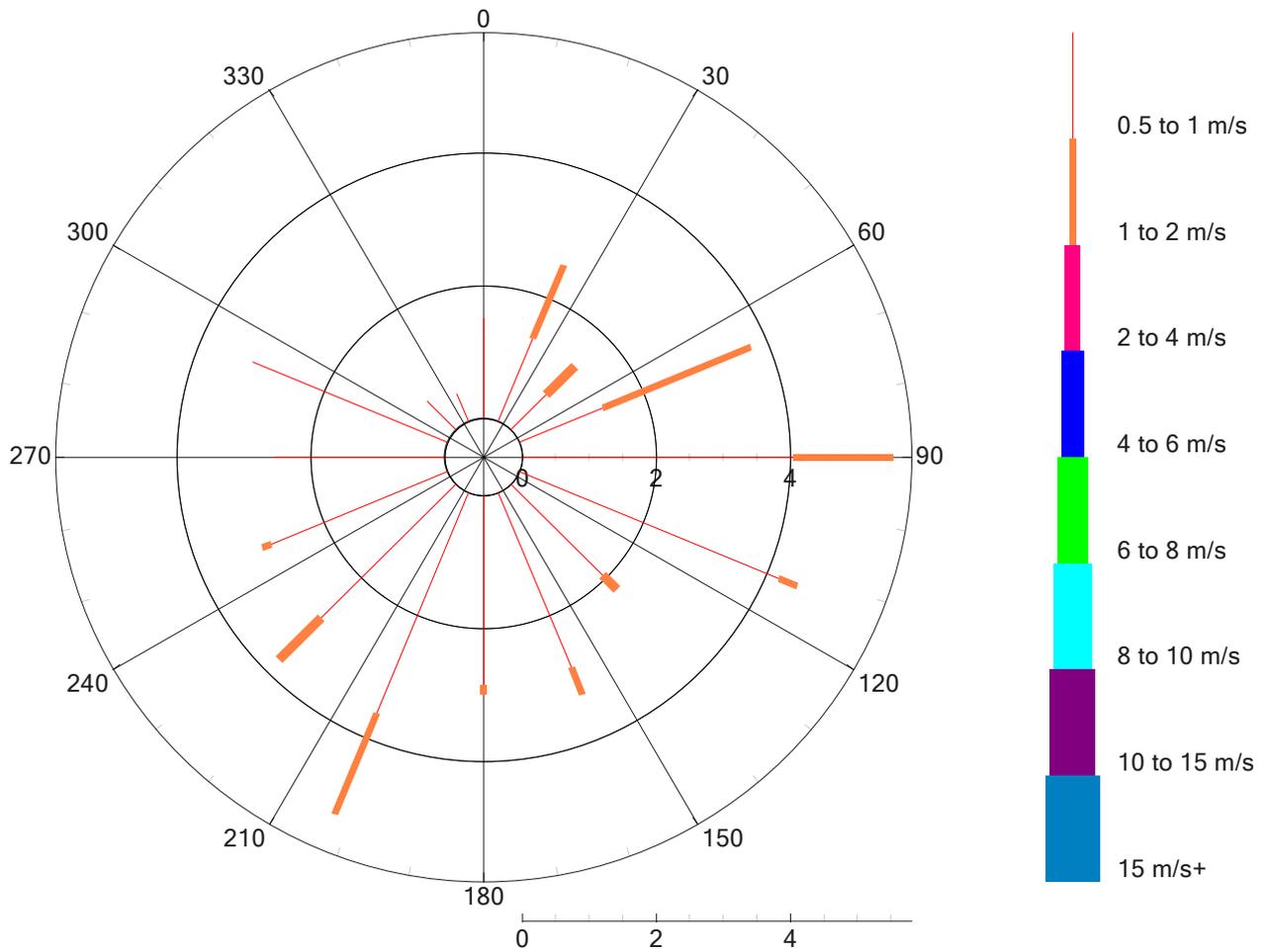


# Madhya Pradesh Pollution Control Board

Continuous Ambient Air Quality Monitoring Station : Bhopal : Paryavaran Parisar

Wind Rose

February 2023



53.7% calm

99.6% valid data present

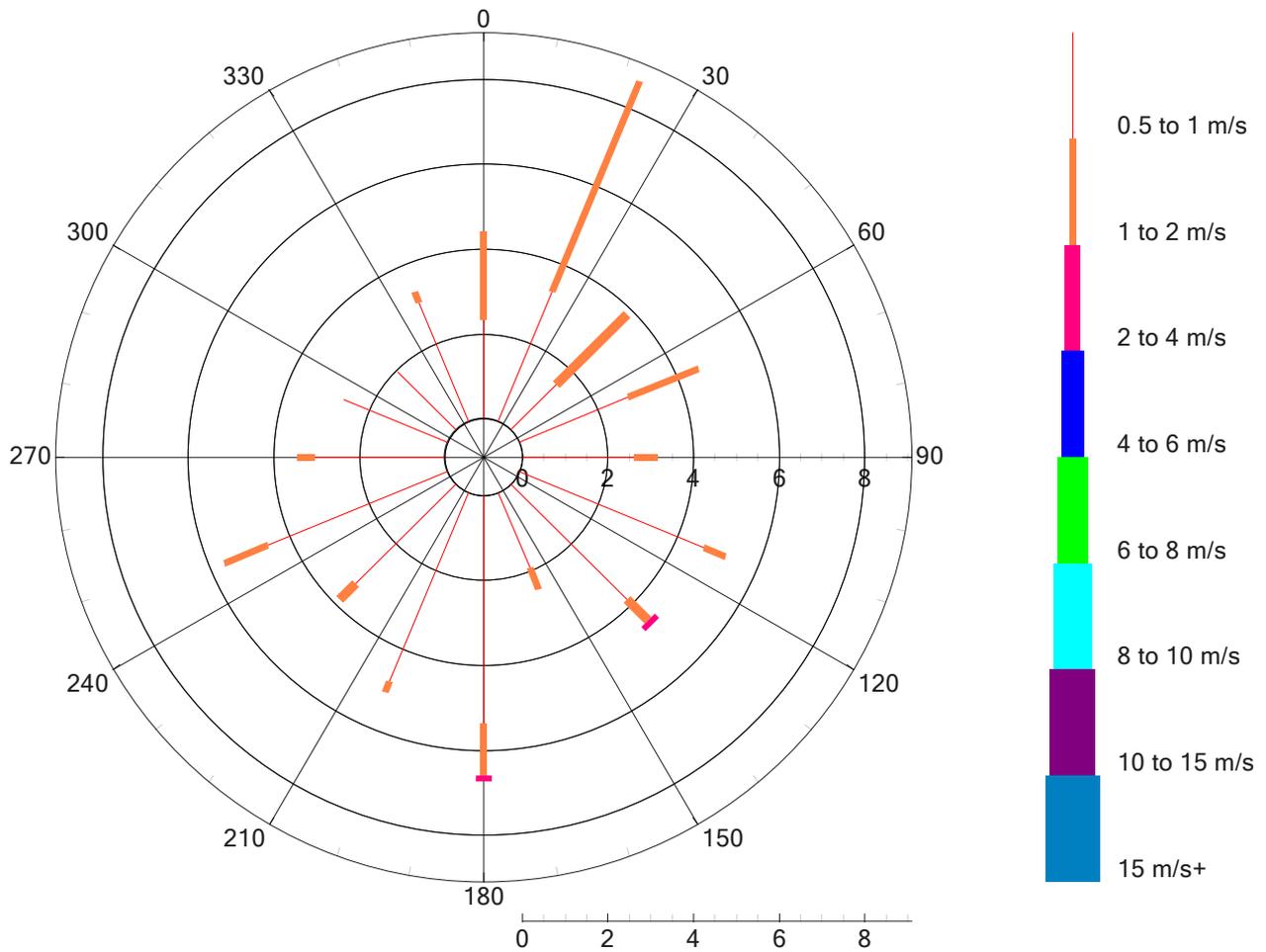


# Madhya Pradesh Pollution Control Board

Continuous Ambient Air Quality Monitoring Station : Bhopal : Paryavaran Parisar

Wind Rose

March 2023



30.5% calm

97.8% valid data present

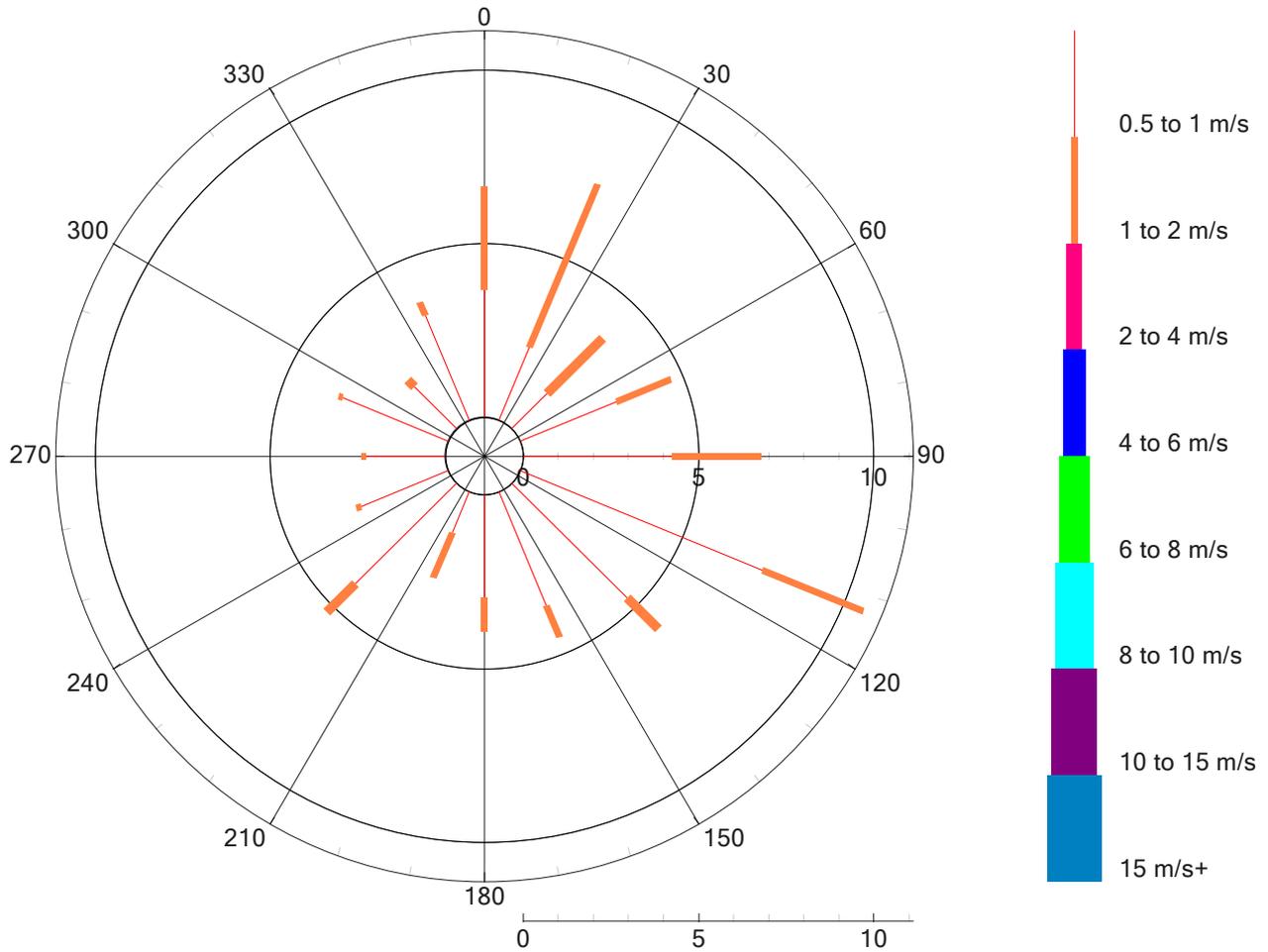


# Madhya Pradesh Pollution Control Board

Continuous Ambient Air Quality Monitoring Station : Bhopal : Paryavaran Parisar

Wind Rose

April 2023



23.8% calm

98.5% valid data present

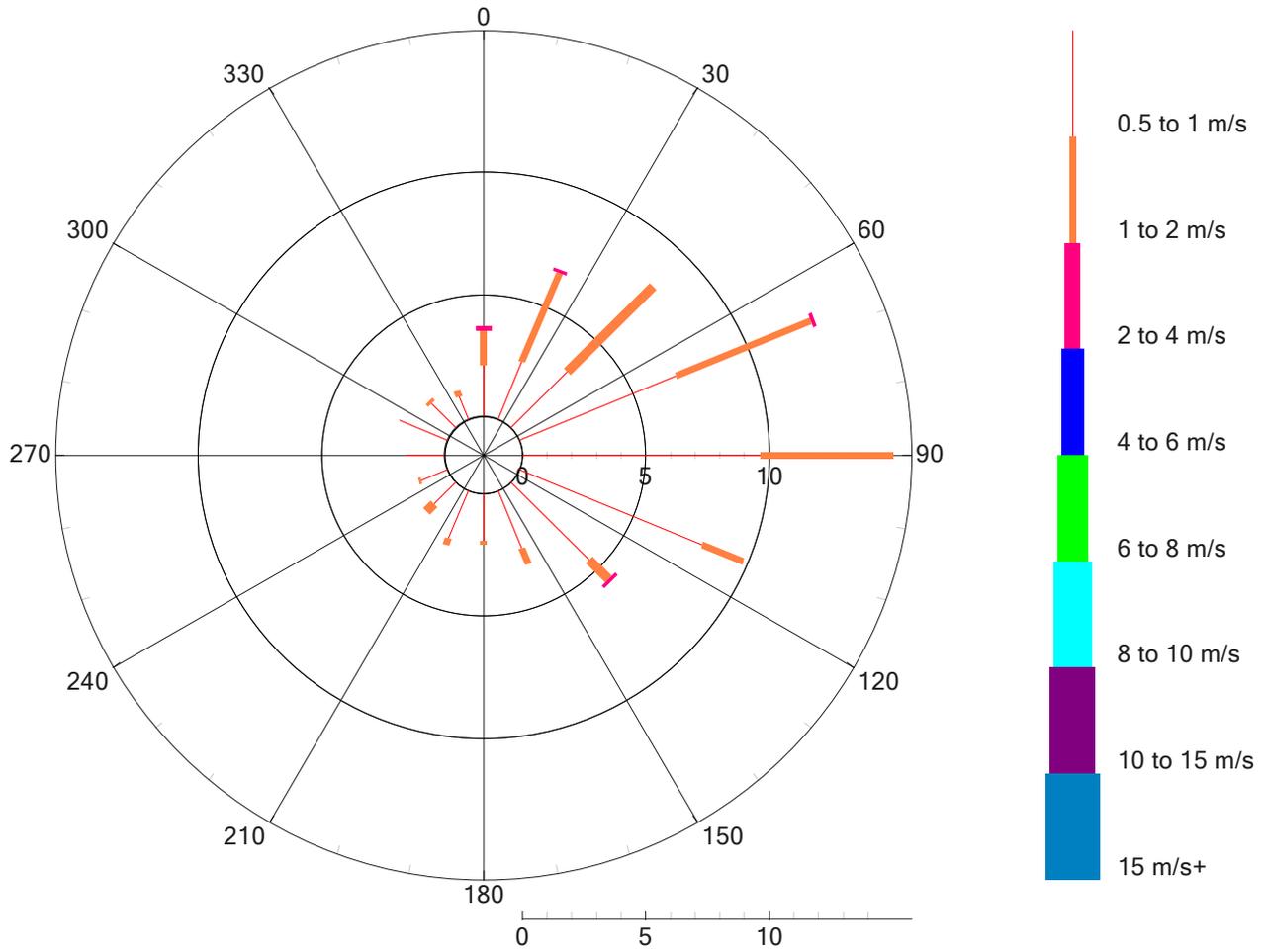


# Madhya Pradesh Pollution Control Board

Continuous Ambient Air Quality Monitoring Station : Bhopal : Paryavaran Parisar

Wind Rose

May 2023



21.0% calm

95.8% valid data present

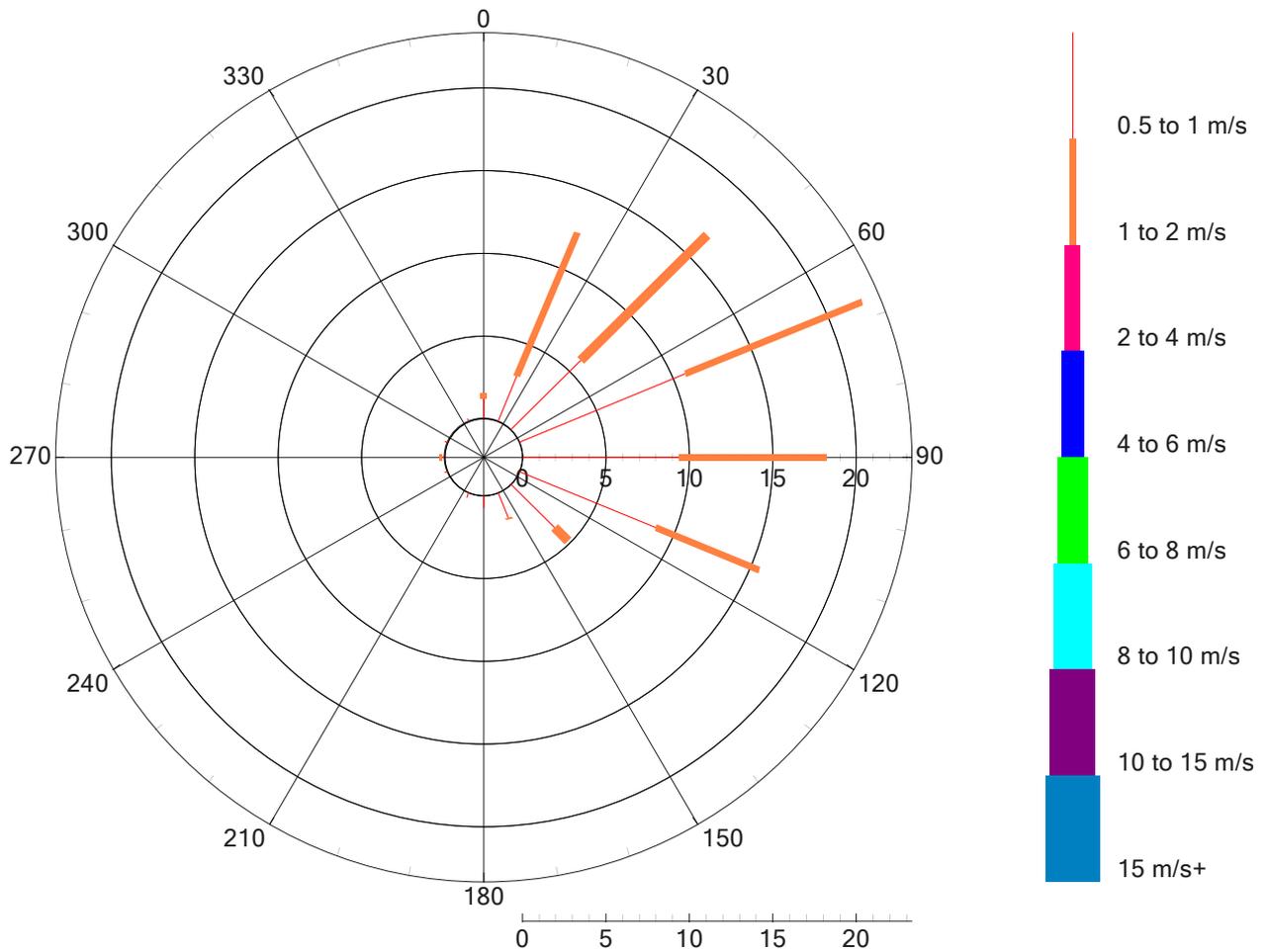


# Madhya Pradesh Pollution Control Board

Continuous Ambient Air Quality Monitoring Station : Bhopal : Paryavaran Parisar

Wind Rose

June 2023



5.3% calm  
94.6% valid data present

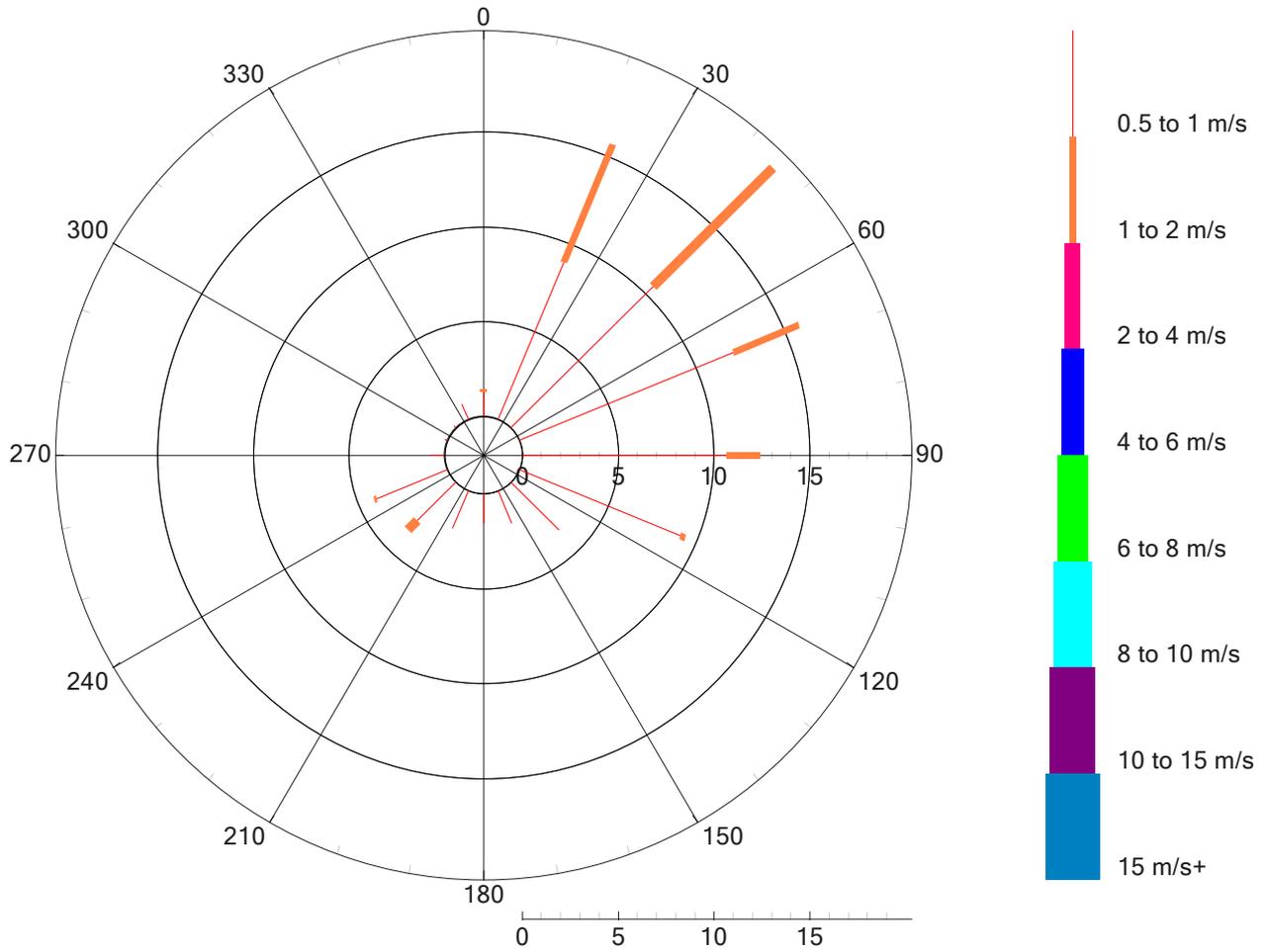


# Madhya Pradesh Pollution Control Board

Continuous Ambient Air Quality Monitoring Station : Bhopal : Paryavaran Parisar

Wind Rose

July 2023



7.5% calm

94.6% valid data present

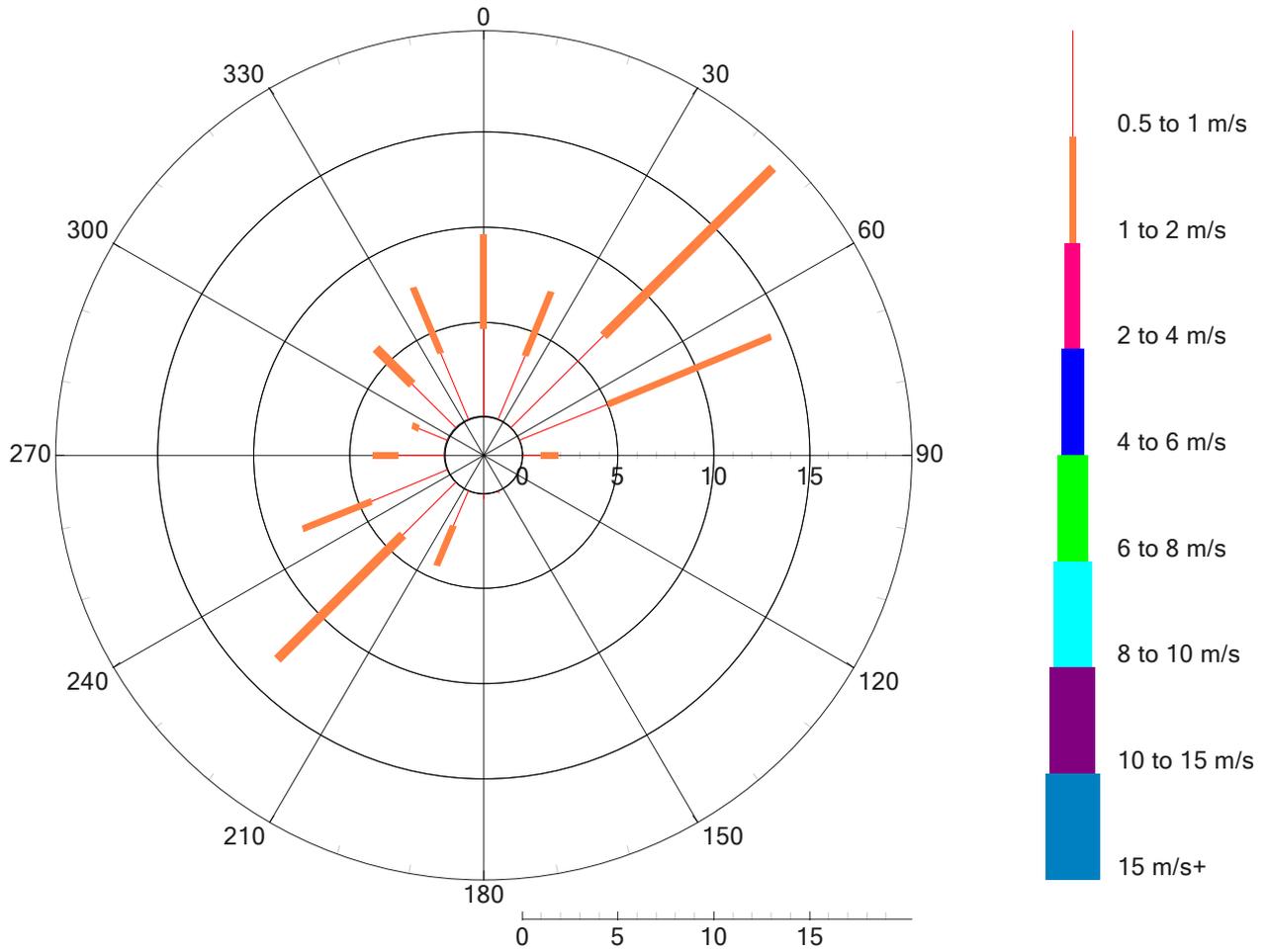


# Madhya Pradesh Pollution Control Board

Continuous Ambient Air Quality Monitoring Station : Bhopal : Paryavaran Parisar

Wind Rose

August 2023



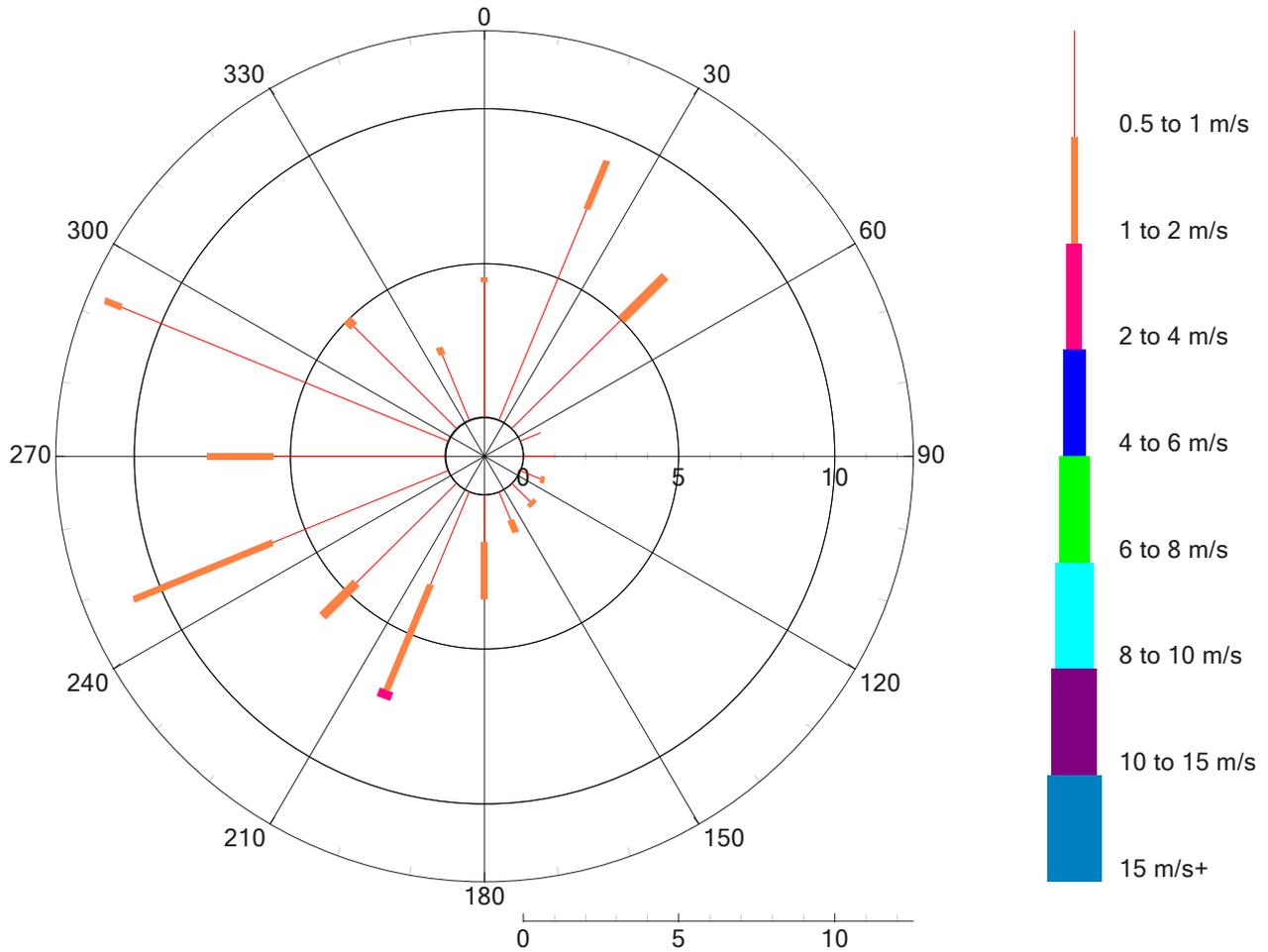


# Madhya Pradesh Pollution Control Board

Continuous Ambient Air Quality Monitoring Station : Bhopal : Paryavaran Parisar

Wind Rose

September 2023



19.7% calm

97.9% valid data present

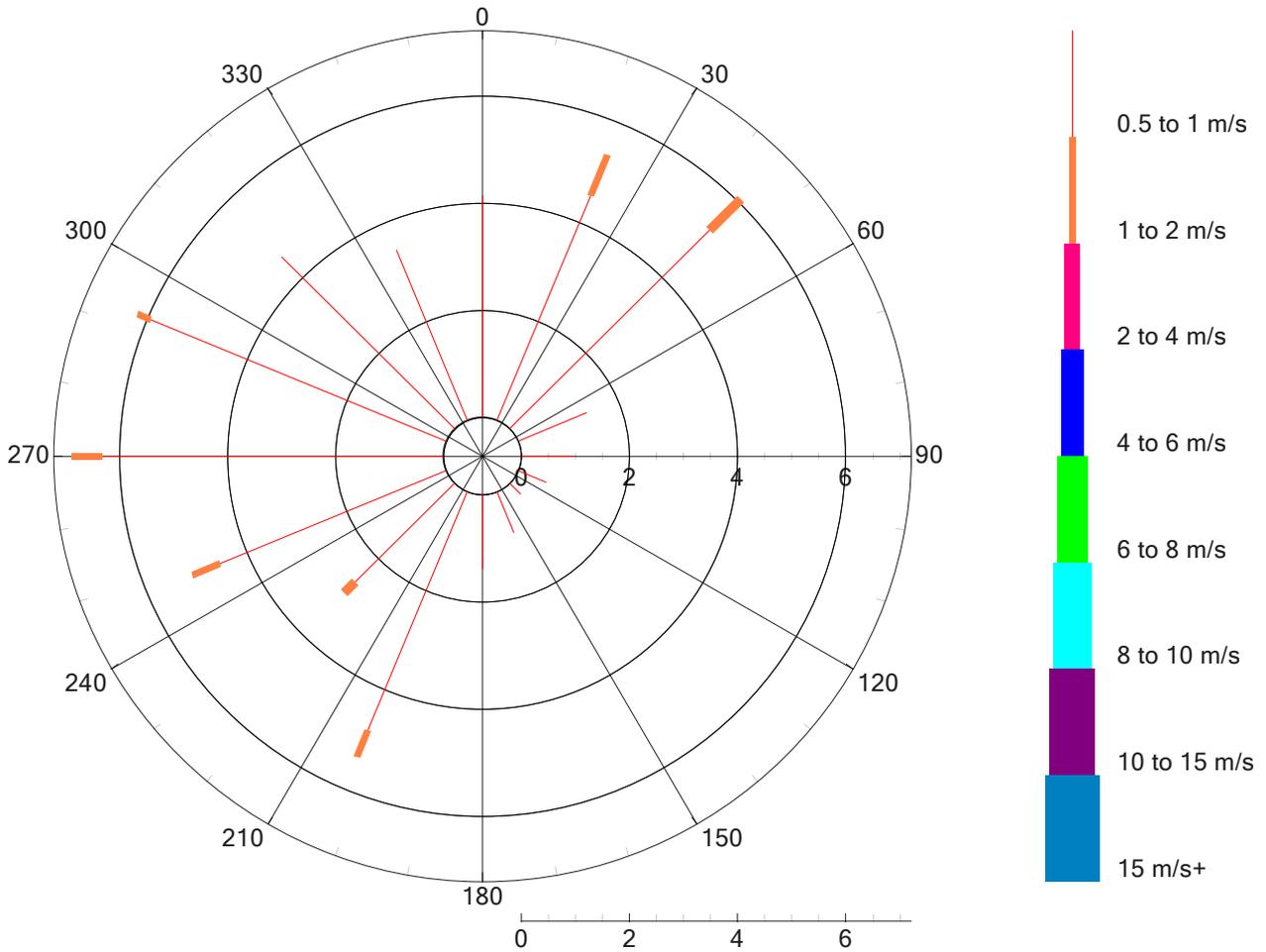


# Madhya Pradesh Pollution Control Board

Continuous Ambient Air Quality Monitoring Station : Bhopal : Paryavaran Parisar

Wind Rose

October 2023



44.9% calm

98.0% valid data present

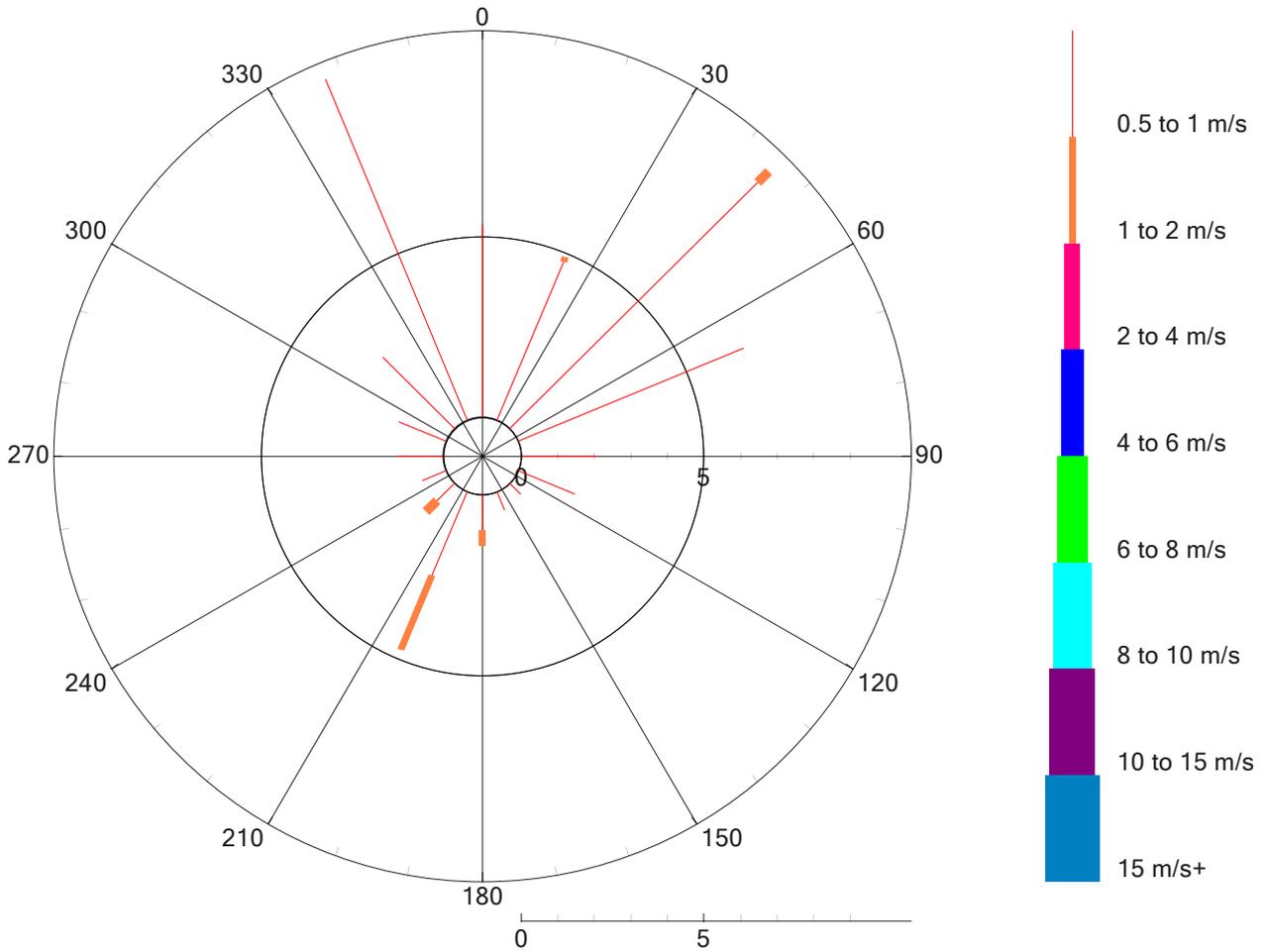


# Madhya Pradesh Pollution Control Board

Continuous Ambient Air Quality Monitoring Station : Bhopal : Paryavaran Parisar

Wind Rose

November 2023



44.9% calm

99.9% valid data present

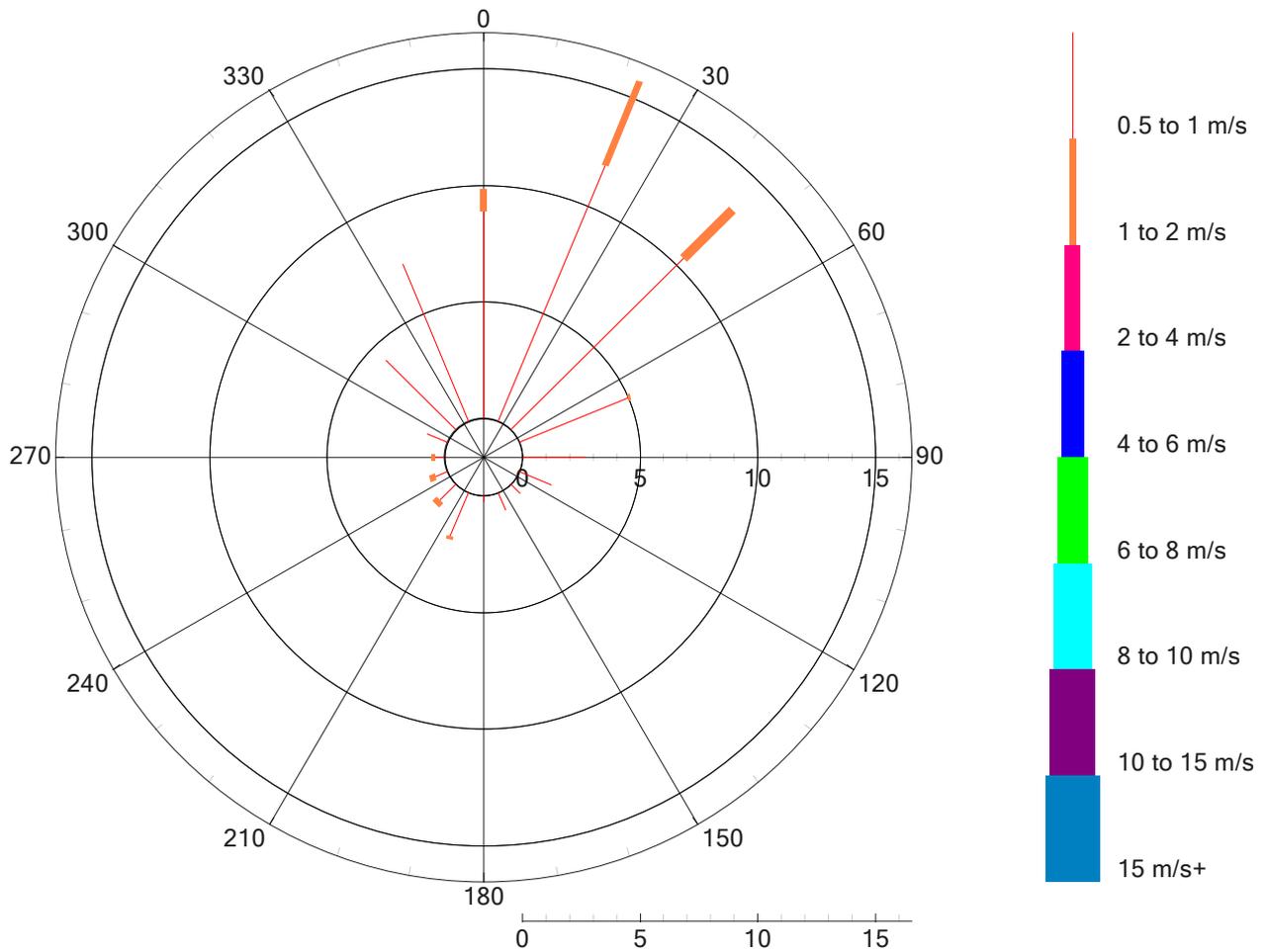


# Madhya Pradesh Pollution Control Board

Continuous Ambient Air Quality Monitoring Station : Bhopal : Paryavaran Parisar

Wind Rose

December 2023



33.2% calm  
100.0% valid data present

क्षेत्रीय कार्यालय  
मध्य प्रदेश प्रदूषण नियंत्रण बोर्ड  
पर्यावरण परिसर, ई-5, अरेरा कॉलोनी, भोपाल  
Telephone:- 0755-2466392 Email:-romppcb\_bpl@rediffmail.com

कमांक 99 /क्षेका/प्रनिबो/2024  
प्रति,

भोपाल, दिनांक 10/01/2024

श्री दीपक भण्डारी,  
एस.डी.ओ., पी.डब्ल्यू.डी.,  
श्यामा प्रसाद मुखर्जी रोड,  
6 लेन, कोलार रोड,  
भोपाल, (म0प्र0)

विषय :- माननीय राष्ट्रीय हरित अधिकरण, भोपाल प्रिंसिपल बेंच द्वारा याचिका ओ.ए. कमांक 159/2023 (सीजेड) (नितिन सक्सेना विरुद्ध म.प्र. शासन व अन्य) के अंतर्गत पारित आदेश दिनांक 03.11.2023 के अनुपालन बावत ।

उपरोक्त विषयांतर्गत लेख है कि, माननीय राष्ट्रीय हरित अधिकरण के प्रकरण ओ. ए. कमांक 159/2023 (नितिन सक्सेना विरुद्ध म.प्र. शासन व अन्य) के संबंध में कोलार रोड, जिला-भोपाल के निर्माण से होने वाले वायु एवं ध्वनि प्रदूषण के संबंध में कृपया निम्नानुसार जानकारी दिनांक 12.01.2024 तक प्रदान करने का कष्ट करें :-

1. कोलार सिक्स लेन मार्ग की कुल लंबाई ।
2. अद्यतन स्थिति अनुसार निर्माण की स्थिति (क्षेत्र अनुसार निर्माण की लंबाई का विवरण) ।
3. सड़क निर्माण हेतु प्रयुक्त मशीनरी की जानकारी ।
4. सड़क निर्माण से उत्पन्न धूल कणों के नियंत्रण हेतु की गई व्यवस्था ।
5. सड़क निर्माण के दौरान ट्रेफिक नियंत्रण हेतु व्यवस्था का विवरण जैसे, प्रतिघंटा कुल वाहनों की संख्या ।
6. वाहन परिवहन से उत्पन्न प्रदूषण के नियंत्रण हेतु व्यवस्था का विवरण (वाटर स्प्रींकलिंग आदि) ।
7. प्रस्तावित सिक्स लेन सड़क से उपयोग करने वाले क्षेत्र एवं जनसंख्या का विवरण ।

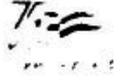
प्रकरण में आगामी तिथि 16.01.2024 नियत है । कृपया समय-सीमा में उत्तर प्रस्तुत करने का कष्ट करें ।

(बृजेश शर्मा)  
क्षेत्रीय अधिकारी  
म.प्र. प्रदूषण नियंत्रण बोर्ड,  
भोपाल

Or



क्षेत्रीय कार्यालय  
मध्य प्रदेश प्रदूषण नियंत्रण बोर्ड  
पर्यावरण परिसर, ई-5, अरेरा कॉलोनी, भोपाल



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भोपाल, दिनांक 10/01 / 2024

प्रति,

कार्यपालन यंत्री  
कार्यालय कार्यपालन यंत्री,  
संघारण क्रमांक 02,  
जवाहर चौक, क्षेत्र नं. 6-A,  
भोपाल (म.प्र.)।

**विषय:-** वायु (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1981 के प्रावधानों के अनुसार कोलार सिक्स लाईन निर्माण से धूल उत्सर्जन के नियंत्रण हेतु आवश्यक व्यवस्था करने के संबंध में।

उपरोक्त विषयांतर्गत लेख है कि लोक निर्माण विभाग, भोपाल द्वारा कोलार रोड 6 लाईन का निर्माण किया जा रहा है। उक्त सड़क पर वाहनों के आवागमन से एवं सड़क निर्माण के दौरान सड़क पर सतत जल छिड़काव न करने के कारण अत्याधिक धूल उत्सर्जन हो रहा है। जिससे समीपस्थ क्षेत्र की वायु गुणवत्ता प्रभावित हो रही है। इस क्षेत्र में मध्यप्रदेश प्रदूषण नियंत्रण बोर्ड द्वारा स्थापित वायु गुणवत्ता केन्द्र में पार्टिकुलेट मीटर की मापित मात्रा निर्धारित मात्रा 100 मिलीग्राम/मीटरक्यू से अधिक पायी जा रही है।

उपरोक्तानुसार वायु गुणवत्ता के परिणामों के आधार पर लेख है कि सड़क निर्माण के दौरान सतत जल छिड़काव नहीं होने के कारण वायु गुणवत्ता निर्धारित मानकों से अधिक पाई जा रही है। जो कि वायु (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1981 की धारा 22 का उल्लंघन है।

अतः वायु (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1981 के प्रावधानों के तहत सड़क निर्माण के दौरान सतत जल छिड़काव की व्यवस्था स्थापित कर संचालित करावें। जिससे परिवेशीय वायु गुणवत्ता निर्धारित मानकों के अनुरूप हो सकें। इस हेतु की गई कार्यवाही से 15 दिवस के भीतर इस कार्यालय को अवगत करावें।

संलग्नक: उपरोक्तानुसार।

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(बृजेश शर्मा)  
क्षेत्रीय अधिकारी