



UKAI-GLHV-23-169178



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ENVIRONMENT AUDIT REPORT

This is to certify that, *Our Audit Team* has visited GWSociety's Arts & Commerce First Grade College, **Kalaghatgi**, Ta & Dist : Dharwad **581 204**, on 17th Aug 2023 and undertook the "**Environment Audit**" of college campus.

The college is located in Kalaghatgi Town Municipal limits. The population of Kalaghatgi is 16,917 as per 2011 census. Kalaghatgi is absolutely agriculture cum business centre, The whole taluka is known for **mango, vegetable and millet production**. This is mainly because of temperature and soil fertility. It seems to be that, the town is free from industrial harmful- gas effluents.

AIRVEDA Camera Techniques Beta Attenuation Method (BAM) has been employed to check the air quality parameters in terms of Air Quality Index (**AQI**) and audible intensity measured by standard sensors of sound, in decibel Bell (**dB**).

The details of Geographical, Environmental and Weather parameters of Kalaghatgi Ta & Dist : Dharwad, are follows.

GEOGRAPHICAL PARAMETERS

1. Altitude from sea level : 559.28 m. (1835 ft)
2. Latitude: 15.194287 N.
3. Longitude: 74.969923 E.
4. Geographical location: Bedati basin.
5. Weather Chart of Kudachi (Ref: *Koppen Gieger Weather Chart.*) : Aw
6. Topo sheet : enclosed
7. Perennial water flow direction : S-W
8. Kalghatgi : Town Municipality.

PHYSICAL PARAMETERS

9. Average Temperature : 21 to 39 Celsius.
10. UV Index : 5 to 7 normal
11. Average rainfall : 100 - 750 mm.
12. Rainy peak month : August-September
13. Average Humidity : 30 % to 65 %
14. Least humid period : March to May
15. Clear Visibility : up to 6 to 10 km
16. Gust and wind velocity 5 to 26 km/h
17. Average pressure : 1007 to 1012mb
18. Snow fall : Nil



SUSTANABLE POLLUTION LEVELS

19. AQI level :	32	07.88	Moderate	(safe as MoEF per standards)
20. RPM :	10	11.26 $\mu\text{g m}^{-3}$	Good	(605 $\mu\text{g m}^{-3}$ as per MoEF standards.)
21. SPM:	32	07.88 $\mu\text{g m}^{-3}$	Good	(100 $\mu\text{g m}^{-3}$ as per MoEF standards)
22. NO _x level :	03	5.87 $\mu\text{g m}^{-3}$	Good	(80 $\mu\text{g m}^{-3}$ as per MoEF standards.)
23. SO _x level :	01	01.48 $\mu\text{g m}^{-3}$	Good	(50 $\mu\text{g m}^{-3}$ as per MoEF standards.)
24. O ₃ level :	19	26.71 $\mu\text{g m}^{-3}$	Good	(100 $\mu\text{g m}^{-3}$ as per MoEF standards.)
25. CO level:	01	117.18 $\mu\text{g m}^{-3}$	Good	(250 $\mu\text{g m}^{-3}$ as per MoEF standards.)
26. Pollution levels :		Well within safe range		(as per MoEF standard)
27. dB level: 40 to 50		Better range		(as per the BIS audible standards).
28. The illumination level :		Better range		(as per BIS mark 3646 part I.)

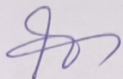
TYPE OF SOIL, PH, QUALITY OF WATER AND GREENARY

29. **Type of soil** : Laterite / yellowish loamy /black type soil with PH of soil : 6.8 to 7.8
30. **Water quality** : Good/ RO and UV filter used for drinking
31. Greenery in the campus : Quite Exemplary beyond appreciation

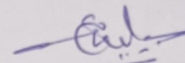
MISCELLANEOUS

32. Max Hottest day 01st May , 12.27 PM + 5.30 GMT
33. Max Humid day 11th Aug , 12.336 PM + 5.30 GMT
34. Distance from Equator : 1685.35 km
35. Distance from Tropic Cancer 7916.07 km
36. Electromagnetic Radiation < 40 μT (safe as per the BIS standards).

All Environmental related charts and their importance are submitted to the college.



Technical staff



Convener

Environment Audit Team

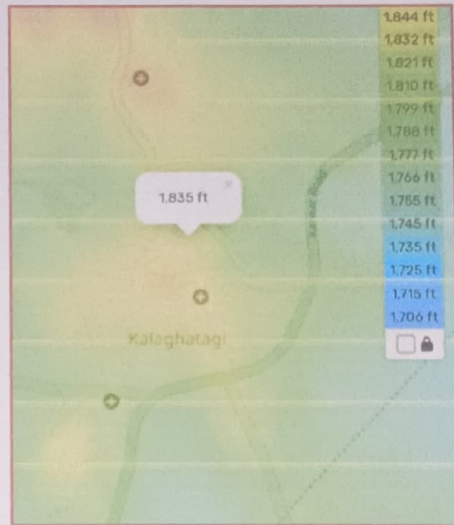
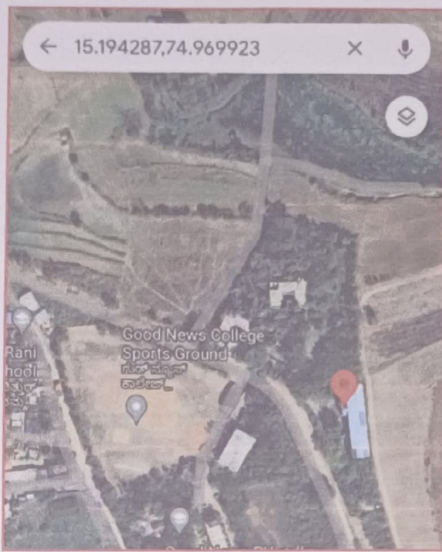
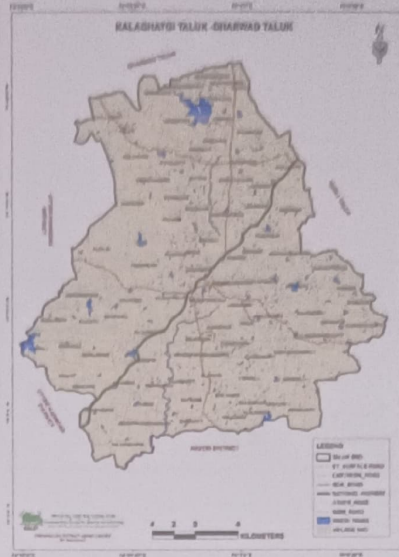
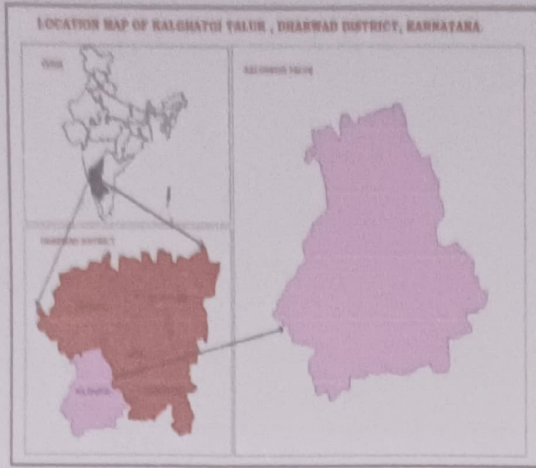
Date : 17th Aug 2023

Place : Kalaghatgi



GNW society's Arts and Commerce first Grade College, KALAGHATGI

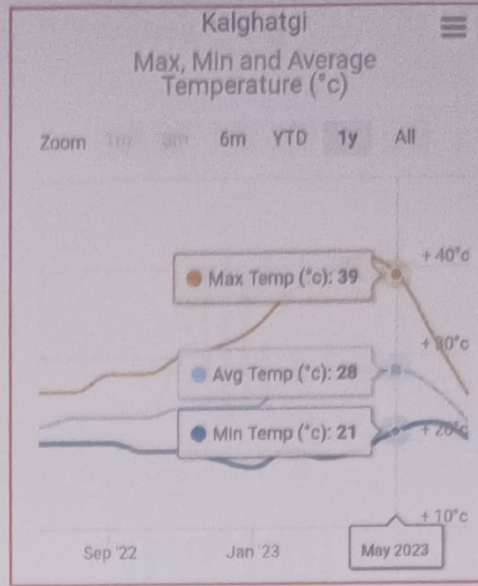
Dist: Dharwad



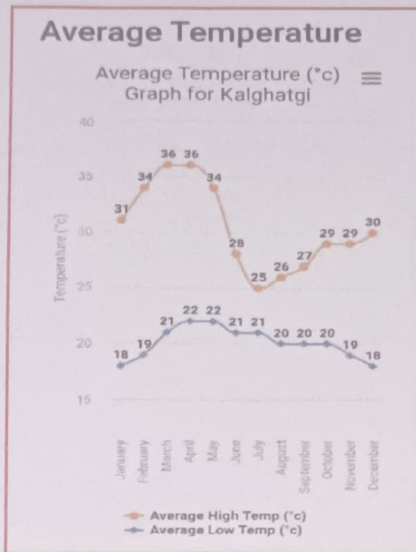
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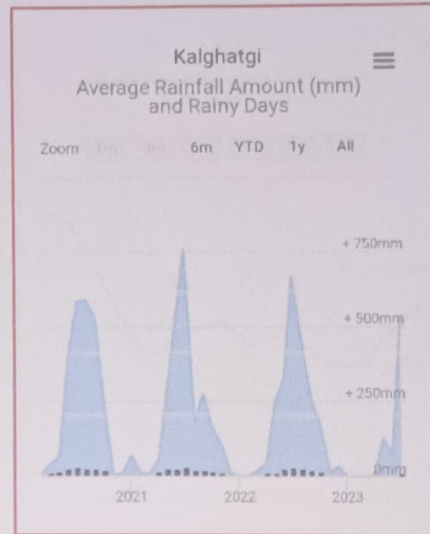
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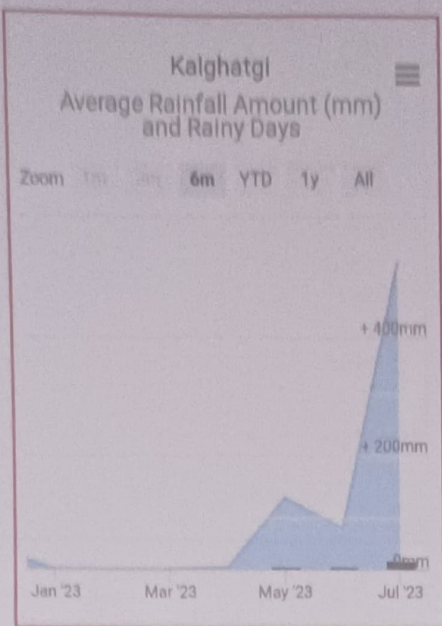
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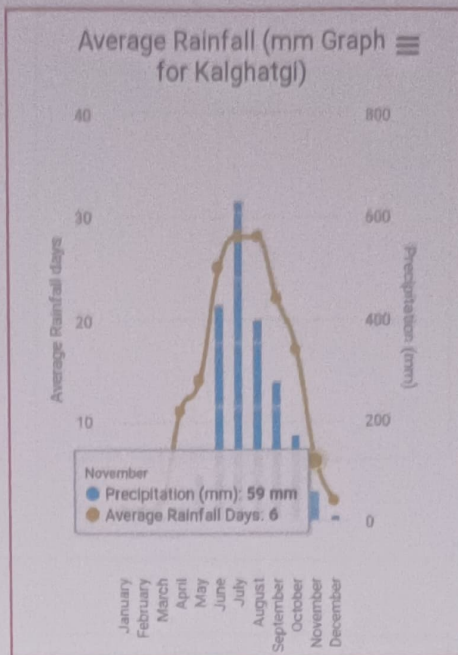
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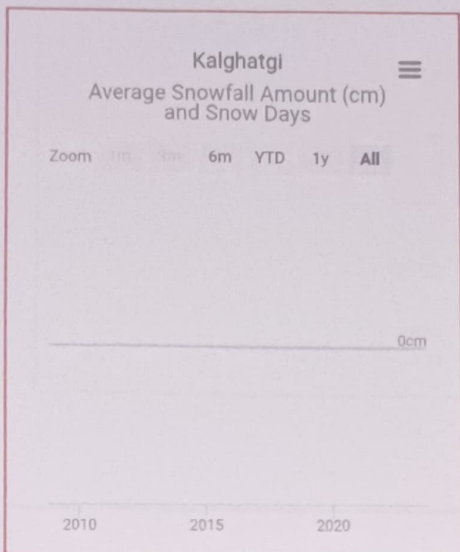
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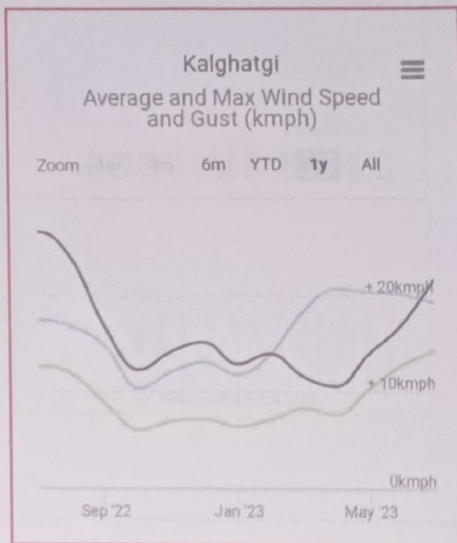
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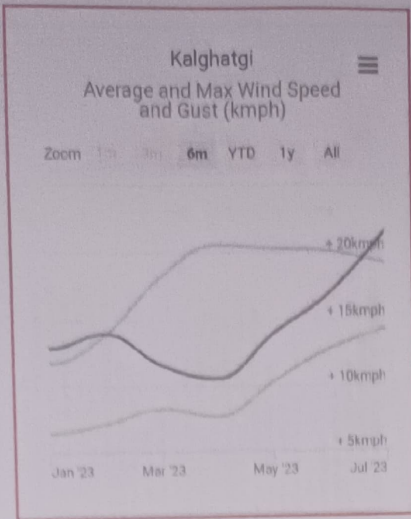
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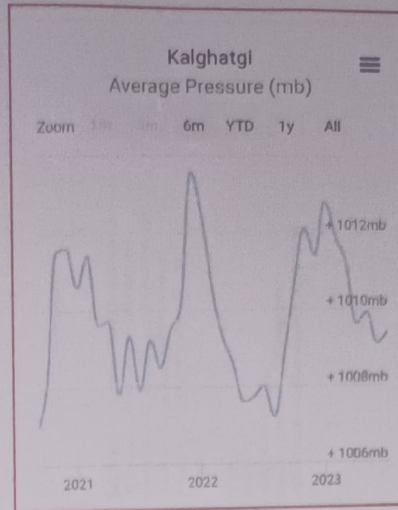
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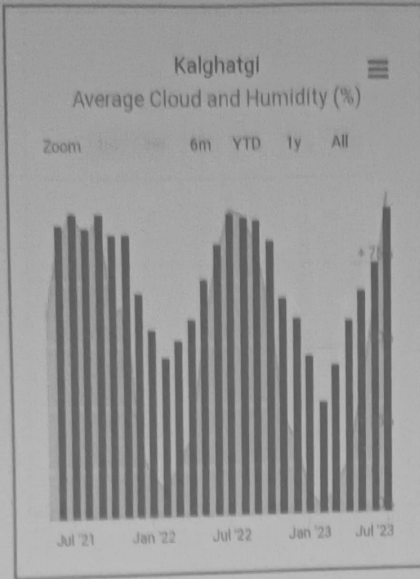
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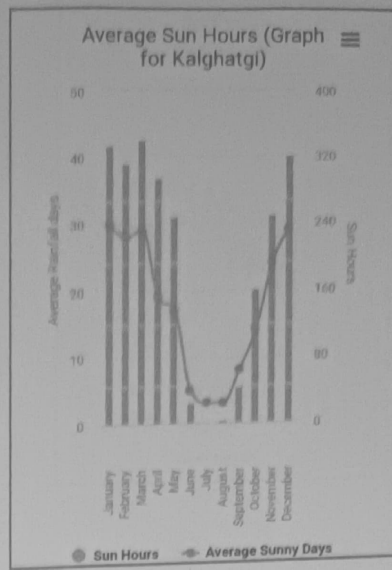
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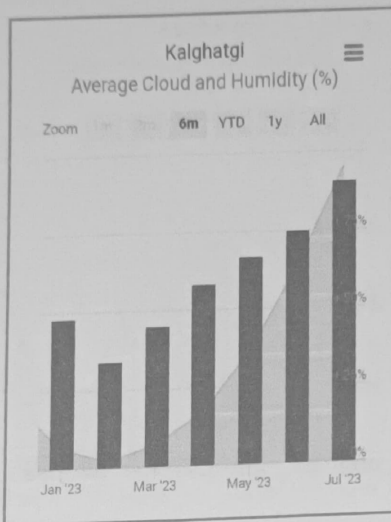
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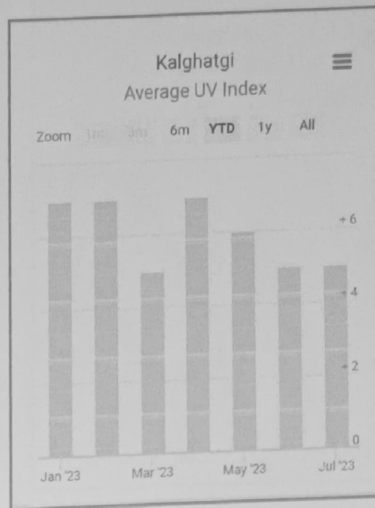
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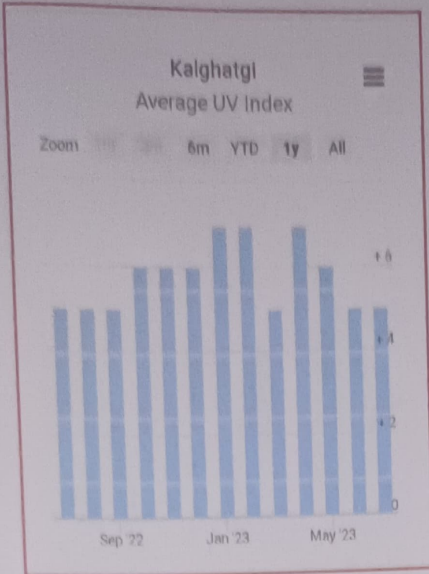
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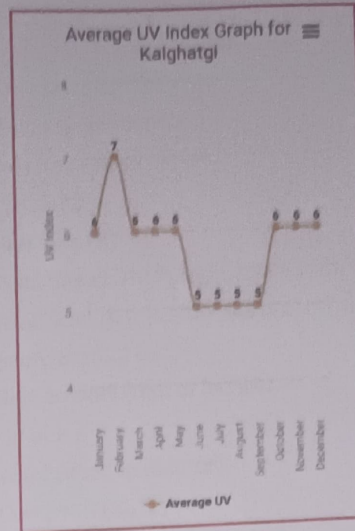
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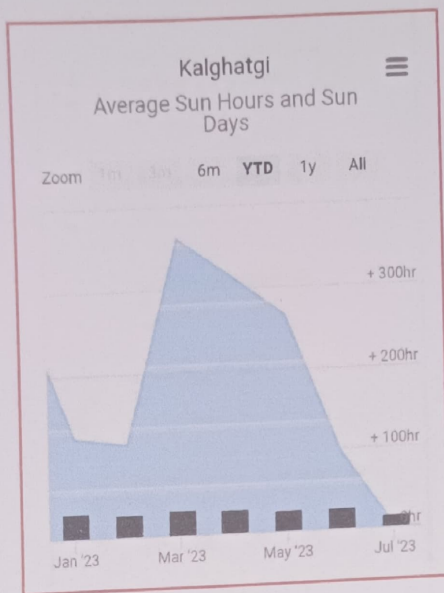
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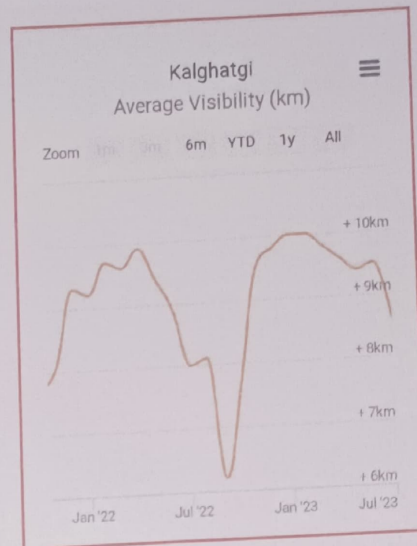
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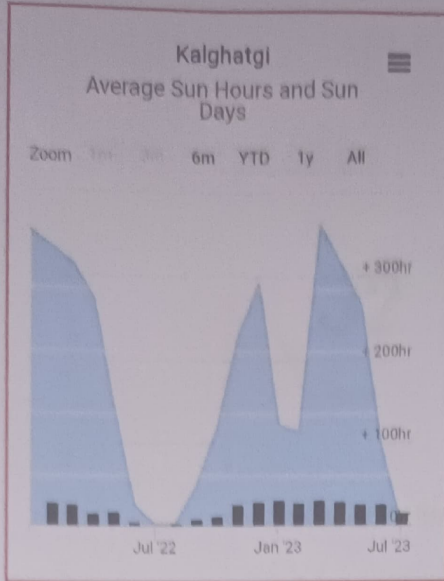
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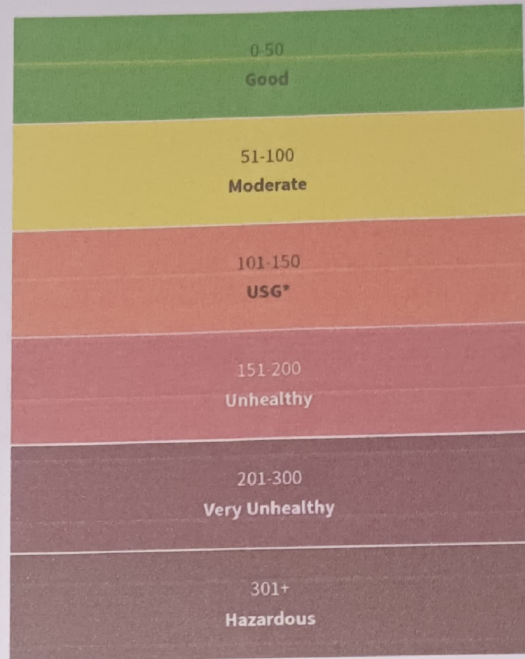
- Temperature(*C/*F)
- Visibility (km or miles)
- Pressure (mb or inches)
- Cloud (%)
- Humidity (%)
- Wind Speed (km/h, mph, knots or m/s)
- Wind Gust (km/h, mph, knots or m/s)
- Snow amount (cm)
- Rain amount (mm or inches)
- UV Index
- Wind direction (degree)
- Dew point (*C/*F)
- Sky condition description text

23

All Pollutants

- 32** PM2.5 (Particulate matter less than 2.5 microns)
Good
7.88 µg/m3
- 1** CO (Carbon Monoxide)
Good
117.18 µg/m3
- 3** NO2 (Nitrogen Dioxide)
Good
5.87 µg/m3
- 19** O3 (Ozone)
Good
26.71 µg/m3
- 10** PM10 (Particulate matter less than 10 microns)
Good
11.26 µg/m3
- 1** SO2 (Sulfur Dioxide)
Good
1.48 µg/m3

24



*Unhealthy for Sensitive Groups



AIR QUALITY INDEX

AQI

32

Good

Air quality is considered satisfactory, and air pollution poses little or no risk.

Primary Pollutant:

PM2.5 (Particulate matter less than 2.5 microns)

