




ENVIRONMENT AUDIT ENVIRONMENT AUDIT



Global Eco Tech and Solutions, # 2309, 1 - cross Mahantesh nagar
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UKAI-GLHV-23-169178



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ENVIRONMENT AUDIT REPORT

This is to certify that, *Our Audit Team* has visited **KARNATAKA STATE LAW UNIVERSITY, HUBBALLI : 580 025** on 28th Dec 2023 and undertook the "*Environment Audit*" of University campus.

The University is located in HUBBALLI-DHARWAD city Corporation limits. The twin cities together make the second largest city in Karnataka by population of 9,43,788 in 2011 census with 86.79 literacy rate. *The twin cities are selected for solar cities / green cities in the year 2017 by Govt of India.* Hubballi-Dharwad cities emerged as an educational hub in north Karnataka.

AIRVEDA Camera Techniques Beta Attenuation Method (BAM) has been employed. All environment related data are collected and self explanatory graphical representation are worked out. 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).

Both cities are semi organized Industrial cities. It seems to be free from industrial harmful gas effluents.

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

The University campus is fit in all respects for academic developments.

Technical staff


Convener

Environment Audit Team

Date : 28th Dec 2023

Place : Hubballi


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GEOGRAPHICAL PARAMETERS

1. Altitude from sea level: 712m (2323.10 ft)
2. Latitude : 15.400967 N.
3. Longitude: 75.069252 E.
4. Geographical location: Krishna Basin (Varana Tungabhadra)
5. *Koppen Gieger Weather zone* : Blend of BSh-Aw
6. Topo sheet : enclosed
7. Perennial water flow direction : W-E and E-W
8. Nearby ridge points : 2 No
9. Low Contour pole level :680 m
10. Ridge Contour pole level: 715 m
11. Hubballi : Semi Agriculture and Semi Industrial oriented city .

PHYSICAL PARAMETERS

12. Average Temperature : 19 to 38.33 Celsius.
13. Average rainfall: 300 to 894 mm.
14. Peak rainy month : July-August
15. Snow fall : Nil
16. /Gust / Wind speed: 10 to 35 km/h
17. Average pressure : 1007.5 to 103.2 mb
18. Least pressure : June
19. Max pressure: January
20. UV Index : 5 to 8 normal
21. Average Humidity : 20 % to 70%
22. Least humid period : Jan to May
23. Ave Sun days : 15 to 400 hours
24. Clear Visibility : up to 7-10 km

SUSTANABLE POLLUTION LEVELS

25. AQI level : 92	Moderate	(Acceptable as per MoEF)
26. RPM : 92	33.83 $\mu\text{g m}^{-3}$ Good	(605 $\mu\text{g m}^{-3}$ as per MoEF.)
27. CO level: 2.00	190 $\mu\text{g m}^{-3}$ Good	(250 $\mu\text{g m}^{-3}$ as per MoEF)
28. NO ₂ level : 1.00	1.34 $\mu\text{g m}^{-3}$ Good	(80 $\mu\text{g m}^{-3}$ as per MoEF)
29. O ₃ level : 42.00	114.72 $\mu\text{g m}^{-3}$ Good	(100 $\mu\text{g m}^{-3}$ as per MoEF)
30. SPM: 44.00.	49.23 $\mu\text{g m}^{-3}$ Good	(100 $\mu\text{g m}^{-3}$ as per MoEF)

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31. SO_x level : 1.00 2.460 µgm⁻³ Good (50µgm⁻³ as per MoEF.)
32. The pollution levels : within the safe range (as per MoEF standard)
33. dB level: around 40 to 52 Very Good (as per the BIS standards).
34. The illumination level : Good (as per BIS mark 3646 part I.)

TYPE OF SOIL, PH, QUALITY OF WATER AND GREENARY

35. **Type of soil** : Yellowish Red loamy mix
36. PH of soil : 5 to 5.8
37. **Water quality** : Tested. (Test report is enclosed)
38. Greenery in the campus : Appreciable

MISCELLANEOUS

39. Max Hottest day 22nd April 12.26 PM + 5.30 GMT
40. Max Humid day 20th Aug 12.35 PM + 5.30 GMT
41. Distance from Equator 1705.39 km
42. Distance from Tropic Cancer 896.02 km
43. Electromagnetic Radiation < 40µT (safe as per the BIS standards).


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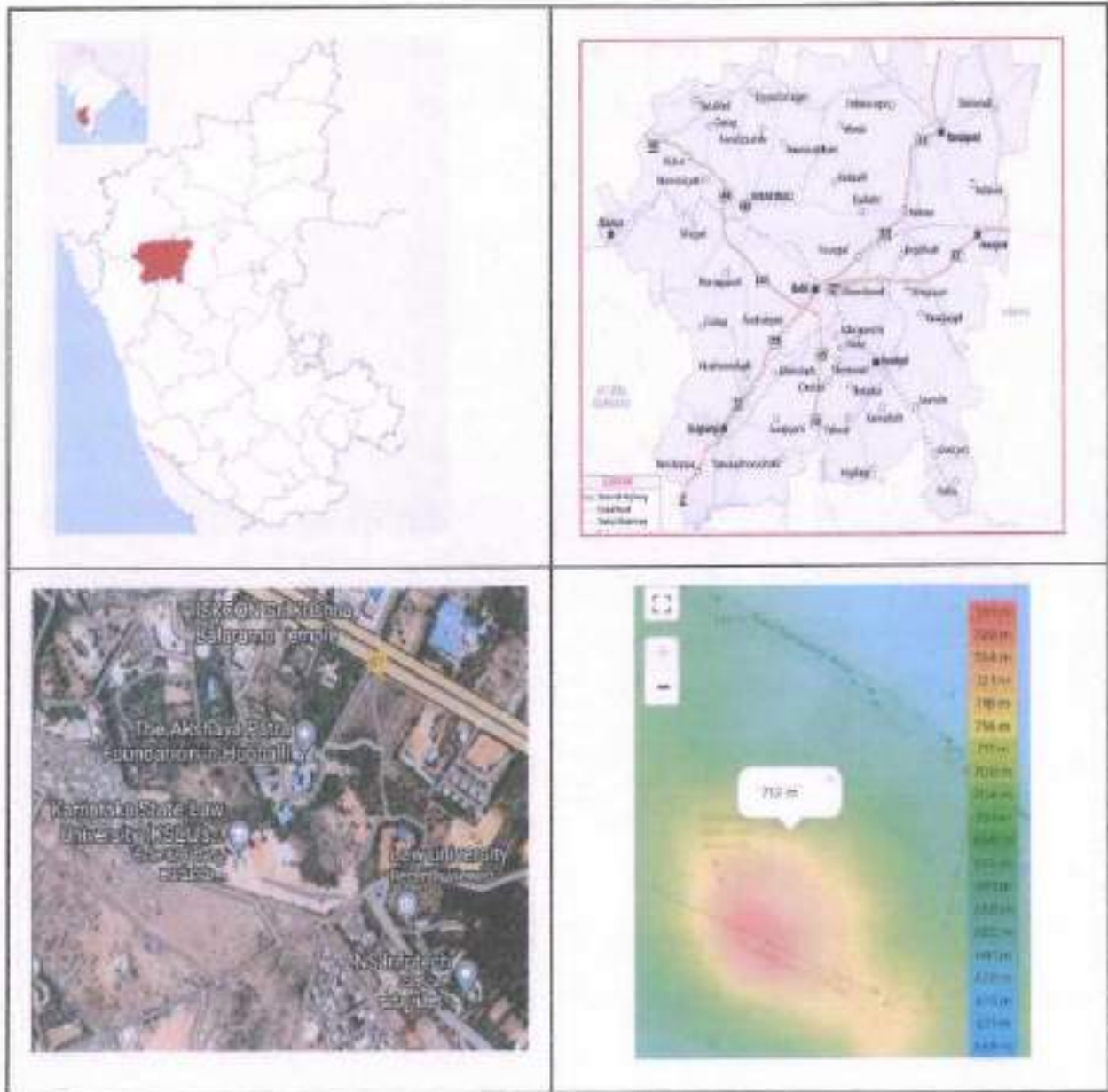
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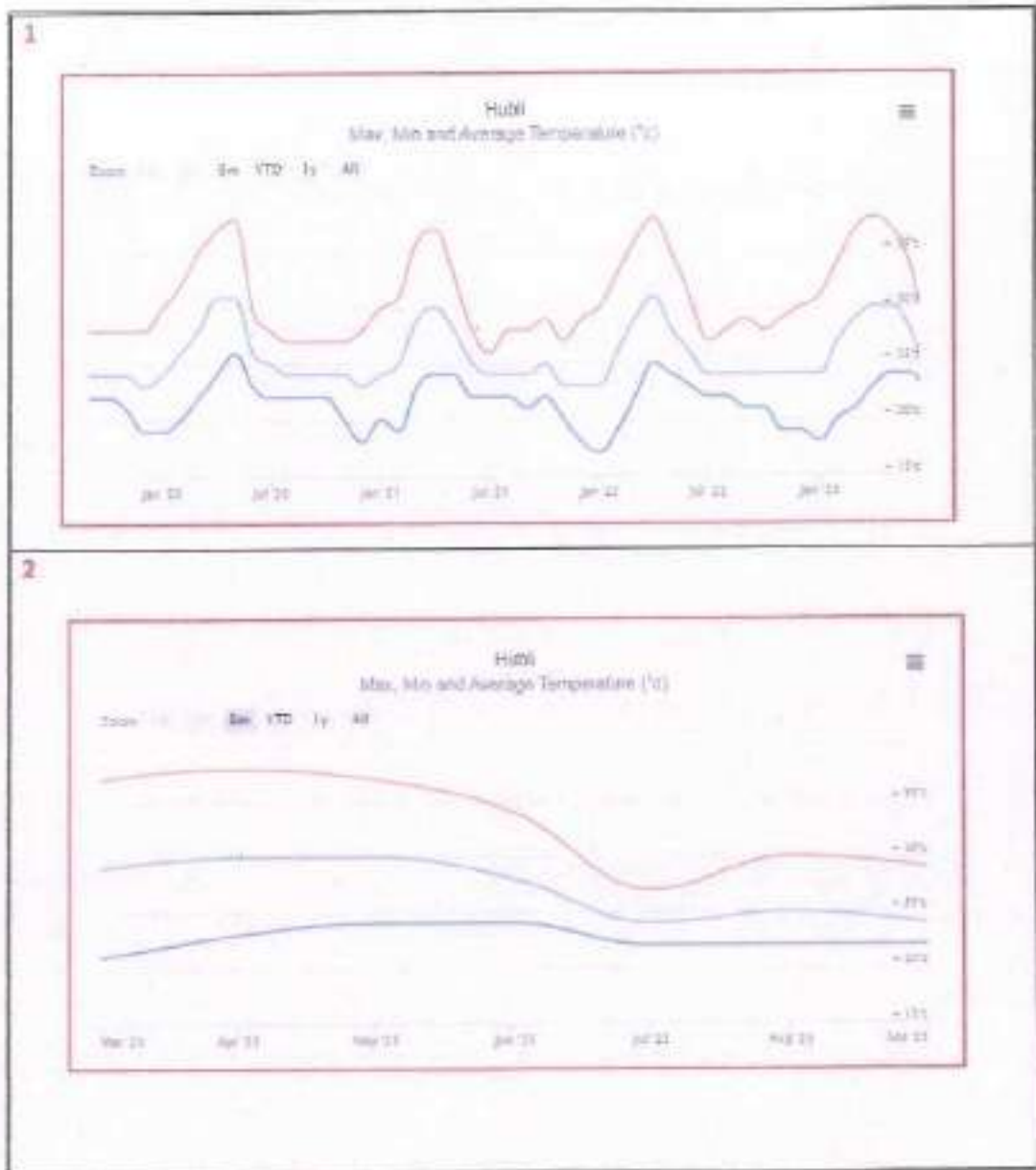
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ENVIRONMENT RELATED PARAMETER

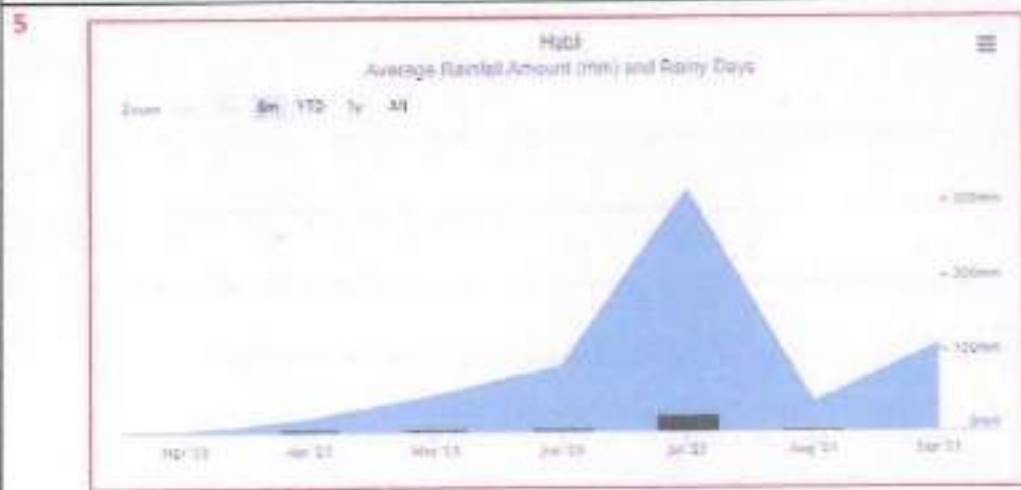
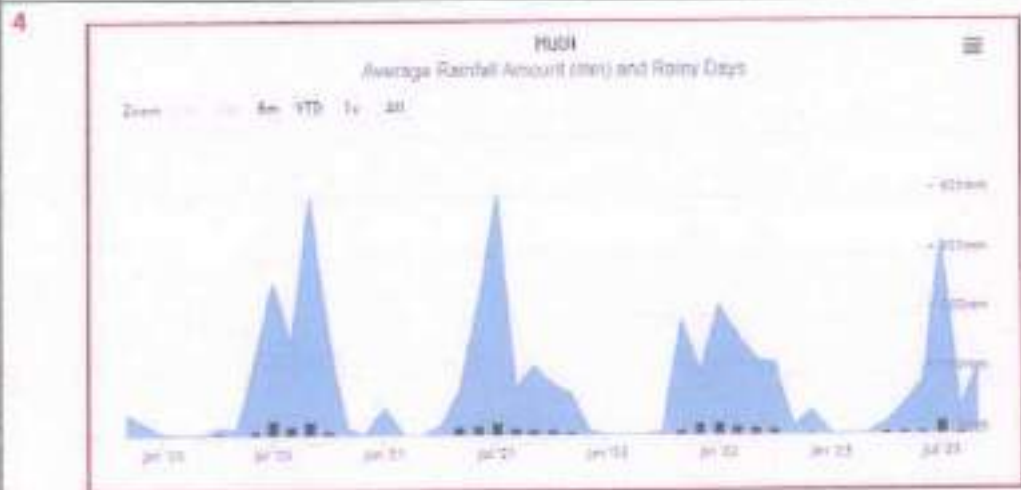
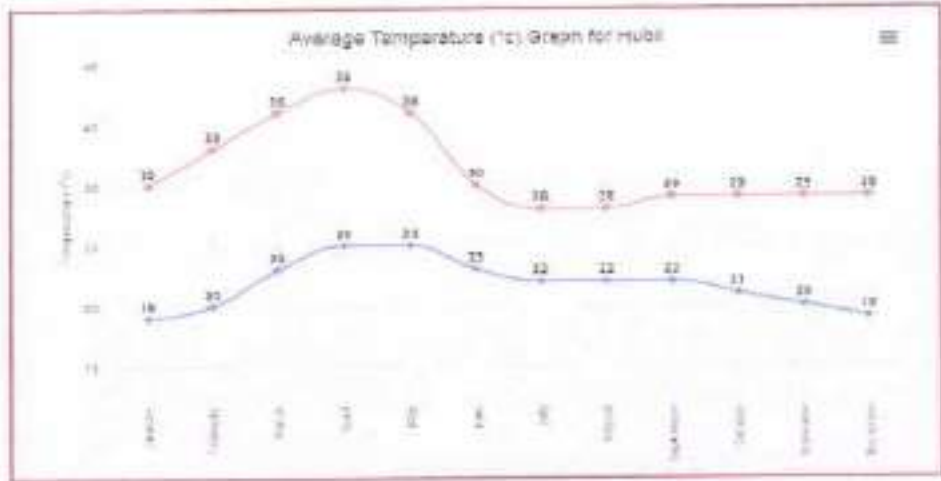


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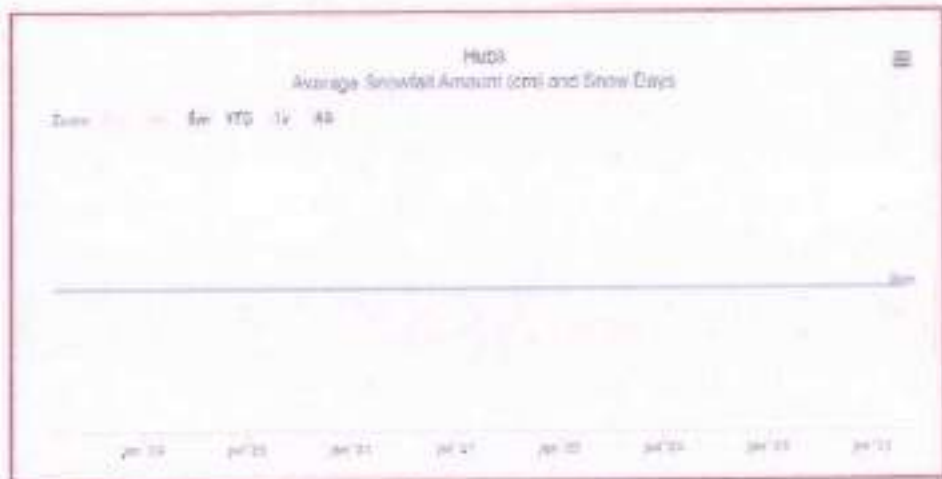


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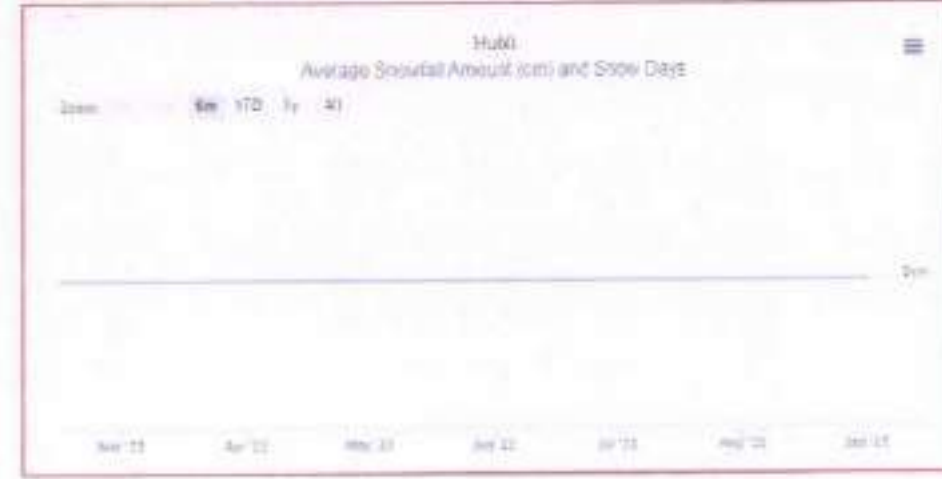
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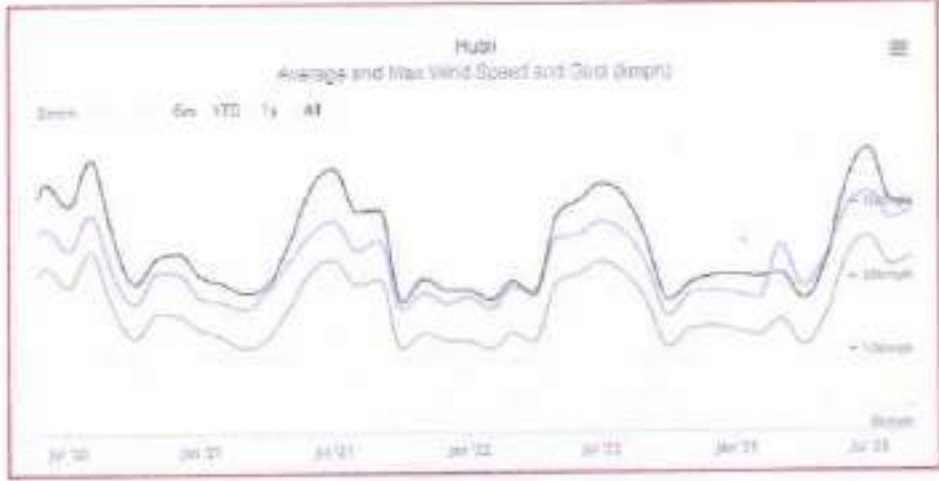
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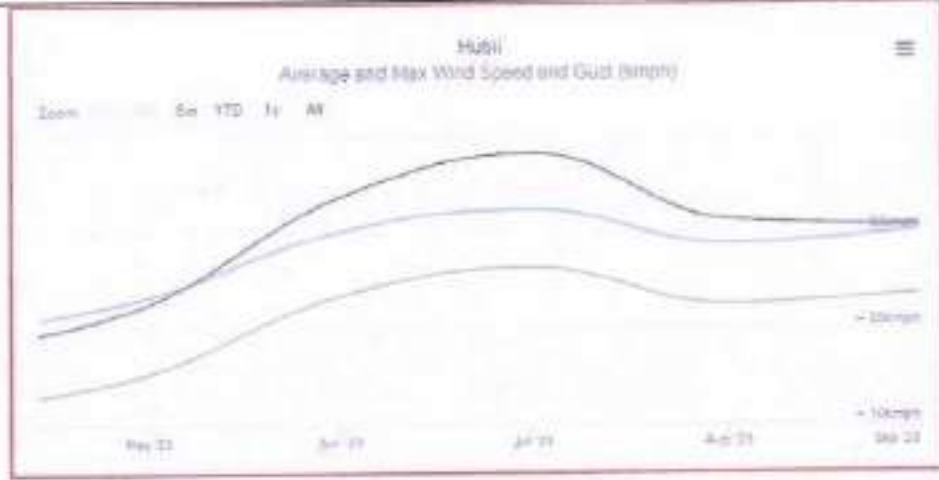


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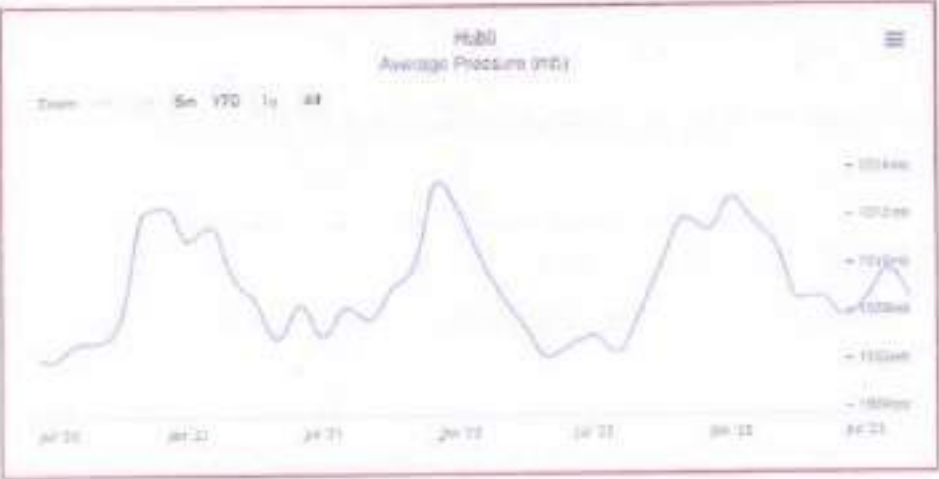
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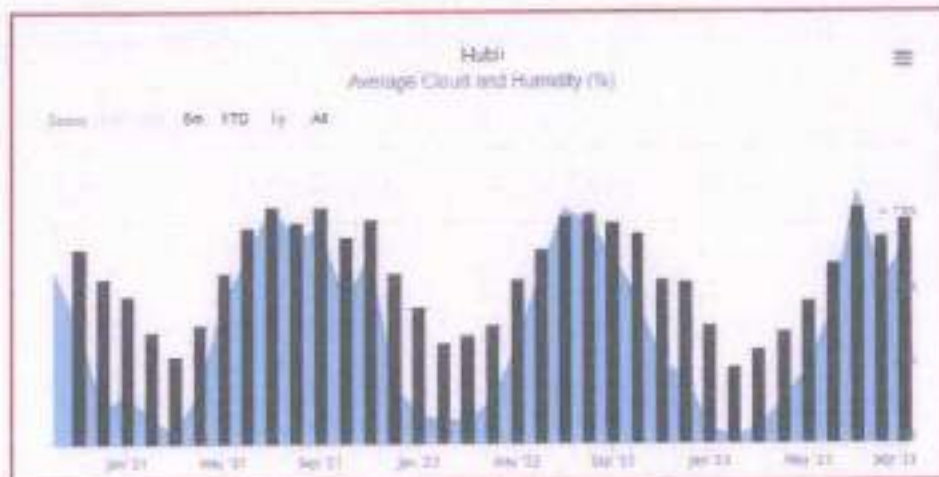
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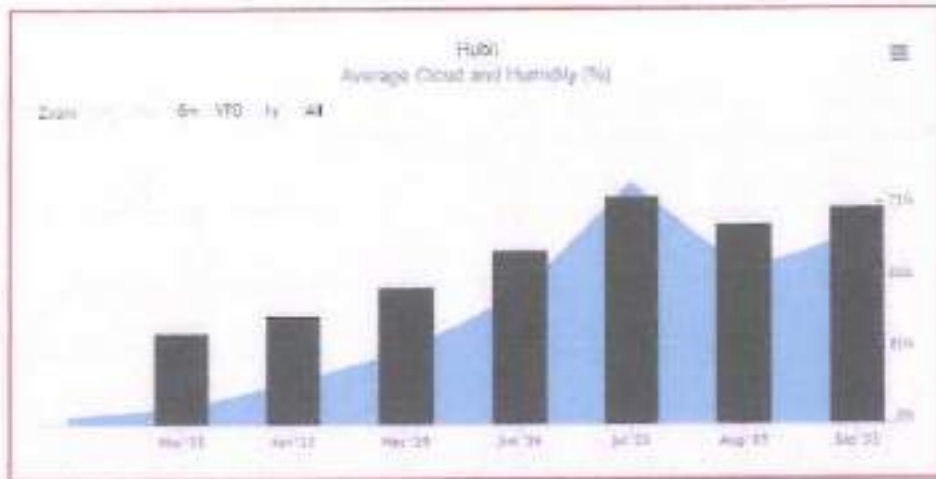
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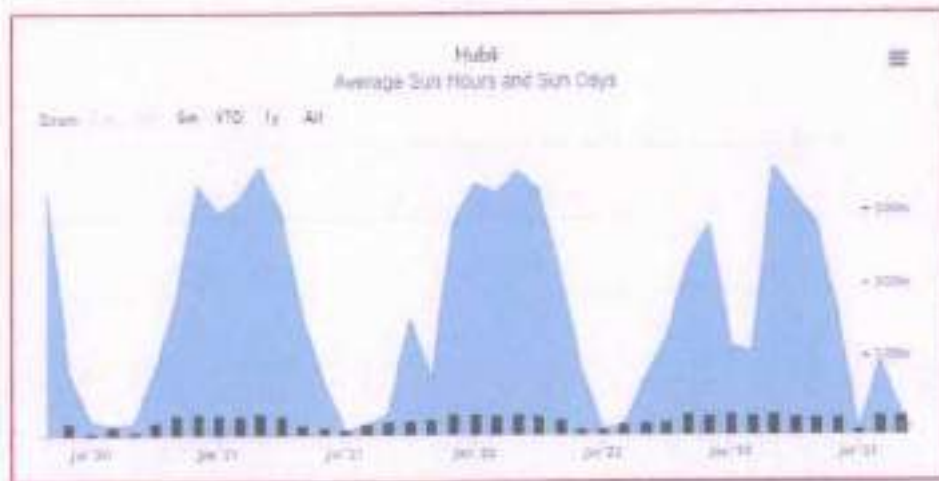


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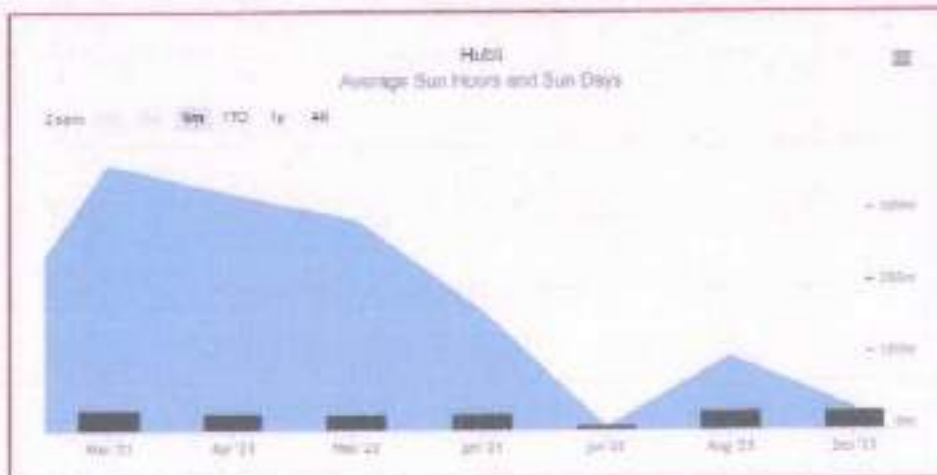
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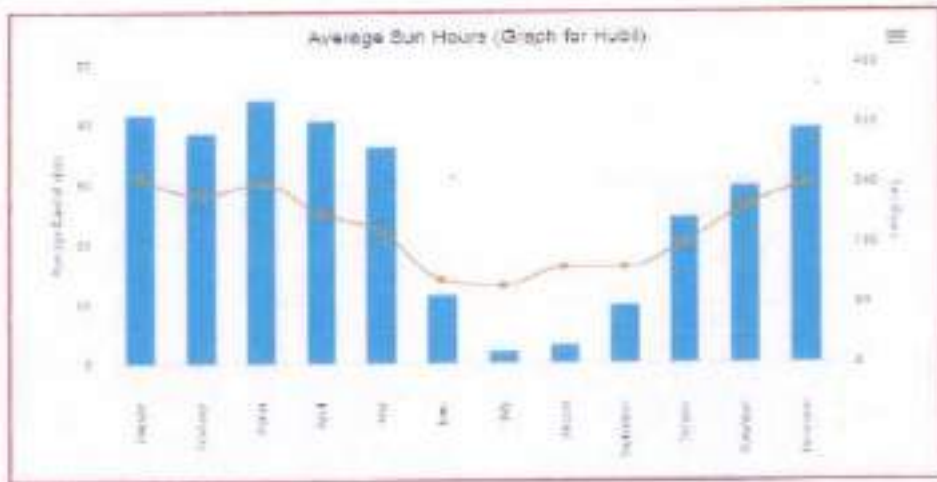
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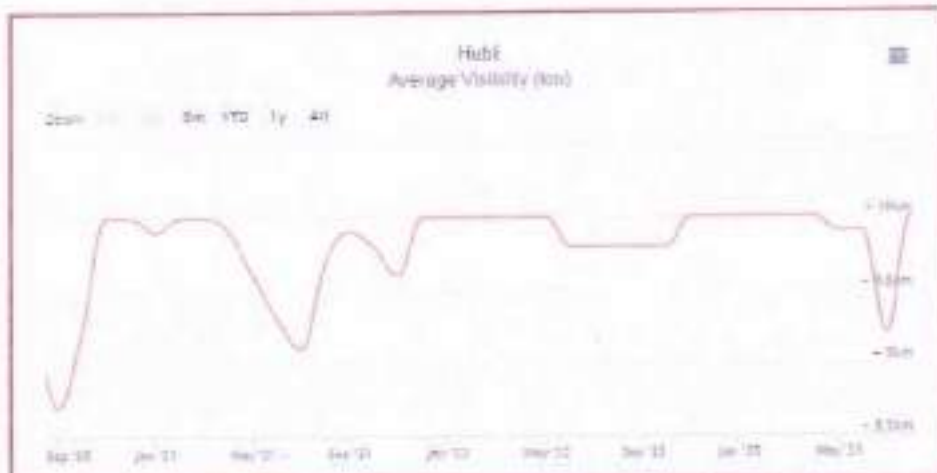


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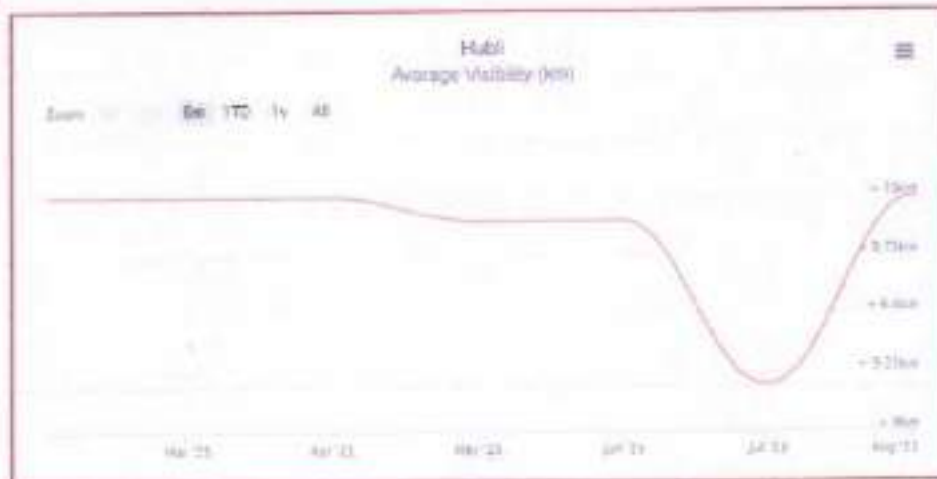
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Air Quality Index (AQI)

S.NO	Air Quality Index (AQI) Values	Levels of Health Concern	Colors	Meaning
1	0 to 25	Good	Green	Air quality is considered satisfactory, and air pollution poses little or no risk.
2	51 to 100	Moderate	Yellow	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.
3	101 to 150	Unhealthy for Sensitive Groups	Orange	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
4	151 to 200	Unhealthy	Red	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
5	201 to 300	Very Unhealthy	Purple	Health alert: everyone may experience more serious health effects.
6	301 to 500	Hazardous	Maroon	Health warnings of emergency conditions. The entire population is more likely to be affected.

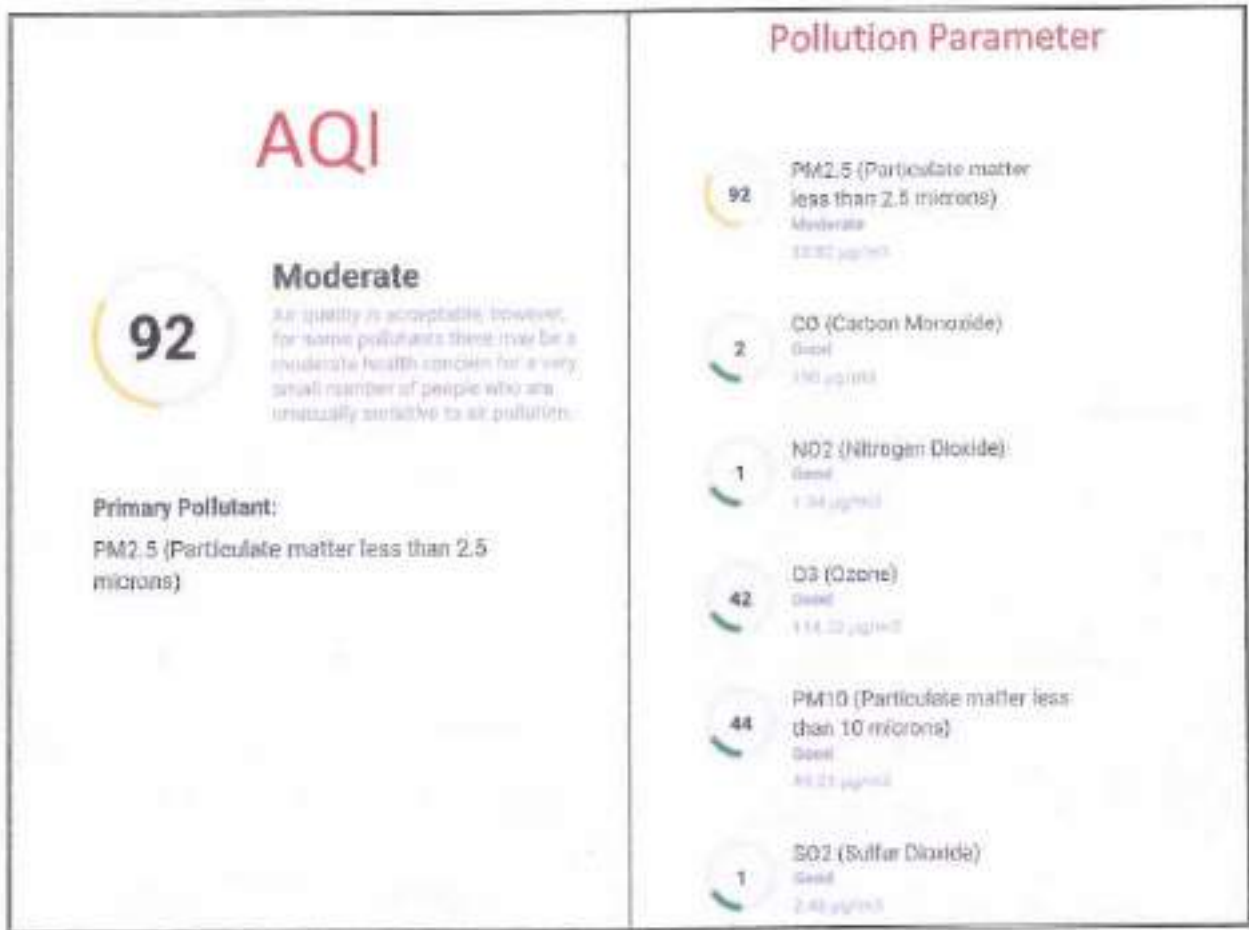
AQI is divided into six categories:


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