



ENVIRONMENT AUDIT

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Bula

-
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 2. Belgaum -16 Cell No : 9902428248

ENVIRONMENT AUDIT REPORT

This is to certify that, *Our Audit Team* has visited AHM's Anjuman Arts, Science and Commerce College, BHATKAL Commerce College, i Dist: Uttar Kannada **581 320** and undertook the "*Environment Audit*" of college campus.

The college is located in Bhatkal Town Municipal Council Limits. The population of city is 16,417 male 15,583 female total 32,000 as per 2011 census (44,000 extrapolated for 2024) The literacy rate is Average :94.12 % which is more than the national average

It seems that, the city 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 Bhatkal And related charts and their importance are submitted to the college.



Technical staff



Convener
Environment Audit Team

Place : Bhatkal

24/6/2024


PRINCIPAL

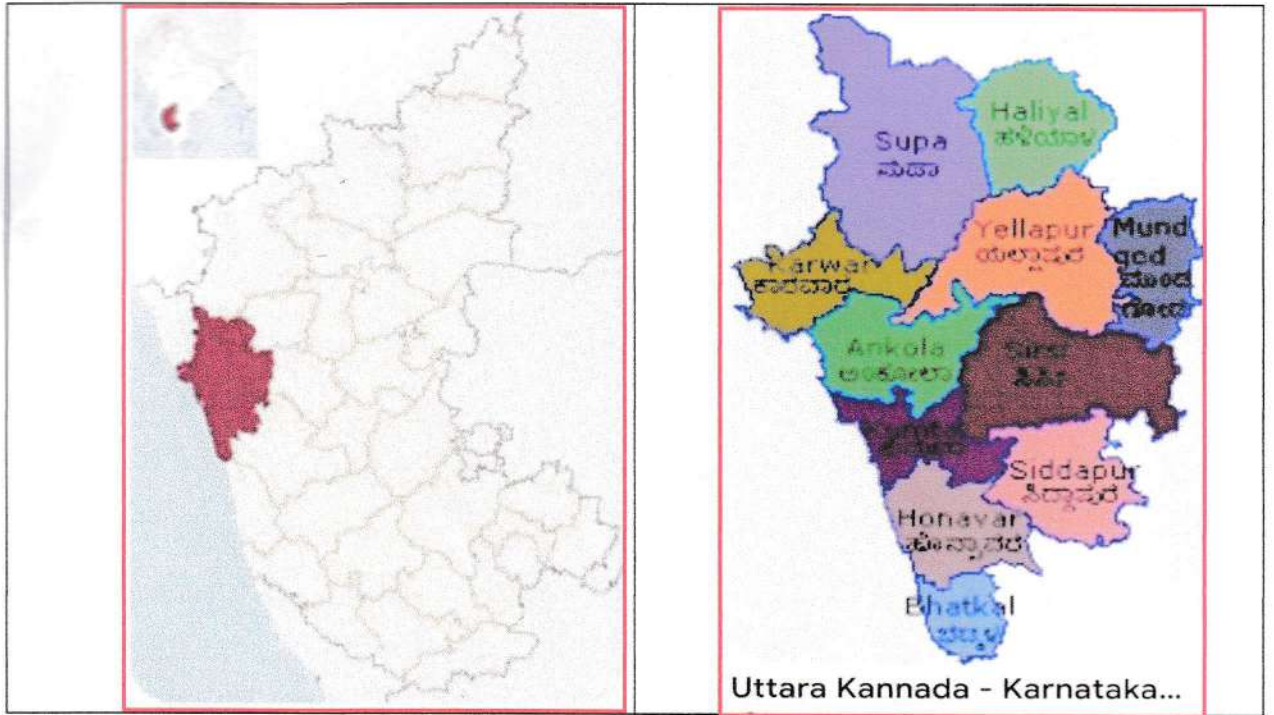
Anjuman Arts, Science & Commerce
College BHATKAL (U K) 581320

MAIN BUILDING OF THE COLLEGE

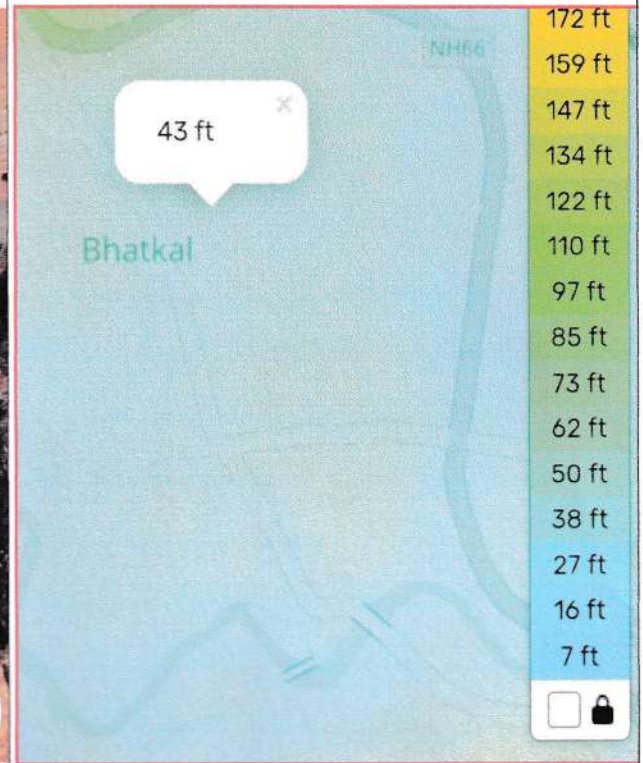


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LOCATION DETAILS



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91

Moderate

Primary Pollutant: PM2.5



Air Quality Index

Summary

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.

Primary Pollutant



Moderate

PM2.5

(Particulate matter less than 2.5 microns)

28.32 µg/m³

All Pollutants



Moderate

PM2.5 (Particulate matter less than 2.5 microns)

28.32 µg/m³



Good

CO (Carbon Monoxide)

200 µg/m³



Good

NO2 (Nitrogen Dioxide)

1.56 µg/m³



Moderate

O3 (Ozone)

121.62 µg/m³



Good

PM10 (Particulate matter less than 10 microns)

48.93 µg/m³



Good

SO2 (Sulfur Dioxide)

2.93 µg/m³



Signature



UKAI-GLHV-23-169178



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GEOGRAPHICAL PARAMETERS

1. Altitude from sea level : 13.1 meter 969m (43 ft)
2. Latitude : 13.9993 N.
3. Longitude: 74.5408 E.
4. Geographical location: Venkatapur (western flow Joining Arabian sea)
5. Weather zone : *Koppen Gieger* - Tropical wet Aw
6. Topo sheet : enclosed
7. Perennial water flow direction : N-S and S-N
8. Ridge points in Campus : No
9. Low Contour pole level : No
10. Slope of the land :1:200
11. Bhatkal : Semi Agriculture based mainly coconut .

PHYSICAL PARAMETERS

12. Average Temperature : 18 to 38 Celsius.
13. Average rainfall: 500 to 1034 mm.
14. Peak rainy month : July-August
15. Snow fall : Nil
16. /Gust / Wind speed: 8 to 32 km/h
17. Average pressure : 1008 to 1012 mb
18. Least pressure : June
19. Max pressure: January
20. UV Index : 5 to 7 normal
21. Average Humidity : 25 % to 80%
22. Least humid period : Jan to May
23. Ave Sun days :85 to 310 hours
24. Clear Visibility : up to 5.5 to 9 km



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SUSTANABLE POLLUTION LEVELS

25. AQI level : 91	Moderate	(Acceptable as per MoEF)
26. RPM : : 91	28.32 $\mu\text{g m}^{-3}$ Good	(605 μgm^{-3} as per MoEF.)
27. CO level: 2	200 $\mu\text{g m}^{-3}$ Good	(250 $\mu\text{g m}^{-3}$ as per MoEF)
28. NO _x level : 1	1.56 $\mu\text{g m}^{-3}$ Good	(80 μgm^{-3} as per MoEF)
29. O ₃ level : 51	121.62 $\mu\text{g m}^{-3}$ Good	(200 μgm^{-3} as per MoEF)
30. SPM : 39	40.03 μgm^{-3} Good	(100 μgm^{-3} as per MoEF)
31. SO _x level : 1.00	2.93 μgm^{-3} Good	(50 μgm^{-3} as per MoEF.)
32. The pollution levels : within the safe range		(as per MoEF standard)
33. dB level: around 45 to 55	Good	(as per the BIS standards).
34. The illumination level : Appreciable		(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 : 5.82 to 7.8
- 37. **Water quality** : (Water is used from dug well in the campus /Municipal water for drinking purpose)
- 38. Greenery in the campus : Appreciable

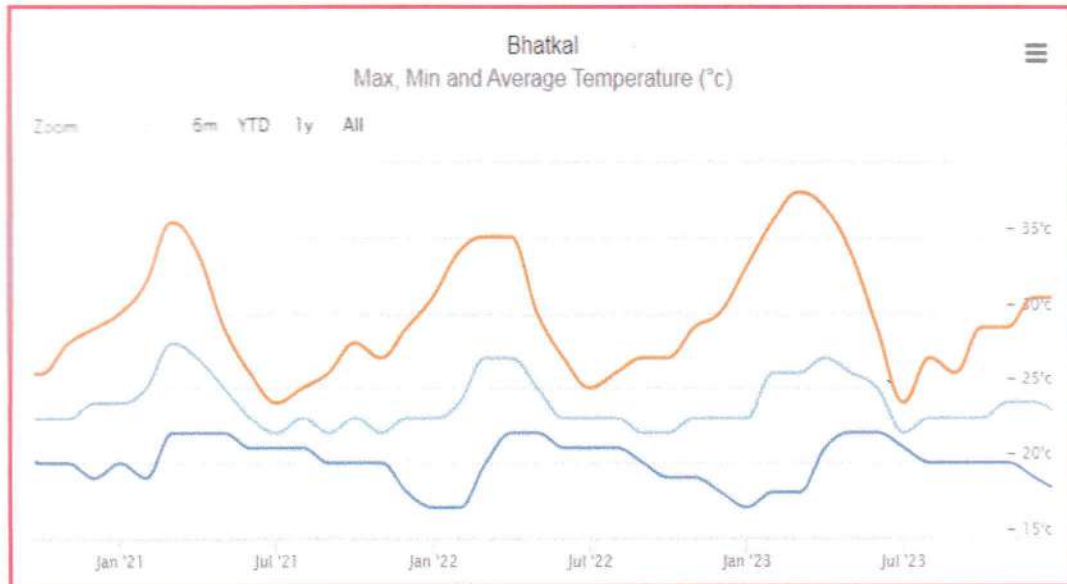
MISCELLANEOUS

- 39. Max Hottest day 27th April 12.29 PM + 5.30 GMT
- 40. Max Humid day 15th Aug 12.37 PM + 5.30 GMT
- 41. Distance from Equator 1532.37 km
- 42. Distance from Tropic Cancer 1049.03 km
- 43. Electromagnetic Radiation < 40 μT (safe as per the BIS standards).

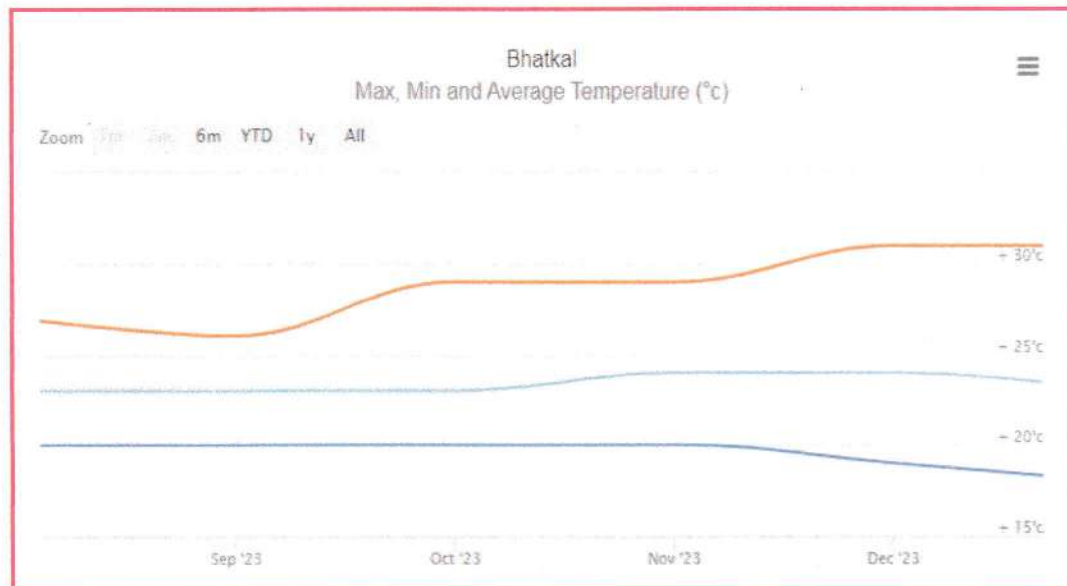


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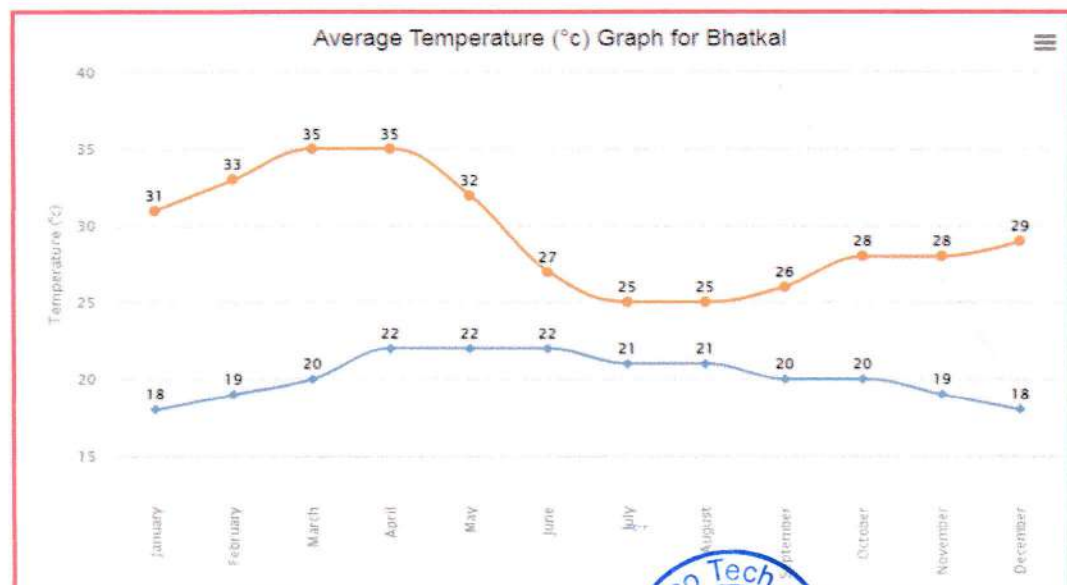
1 Average Temperature last three years



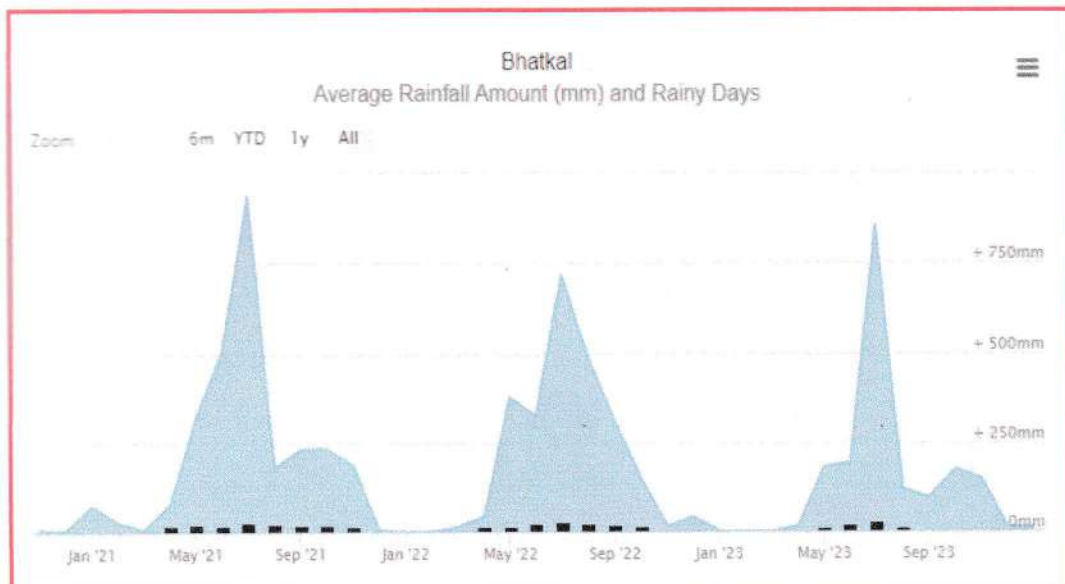
2 Average temperature last three months



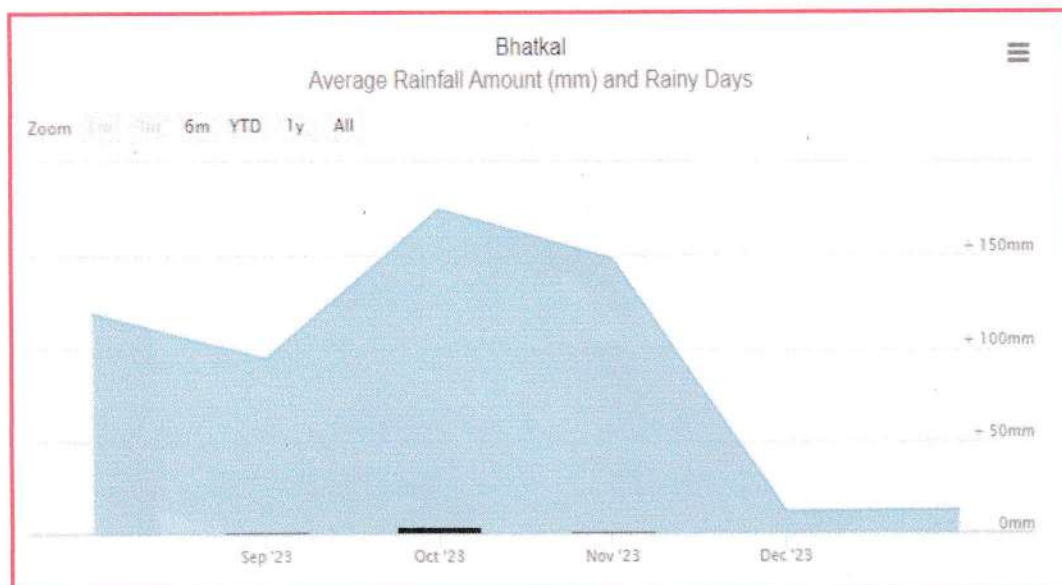
3 Monthly average temperature



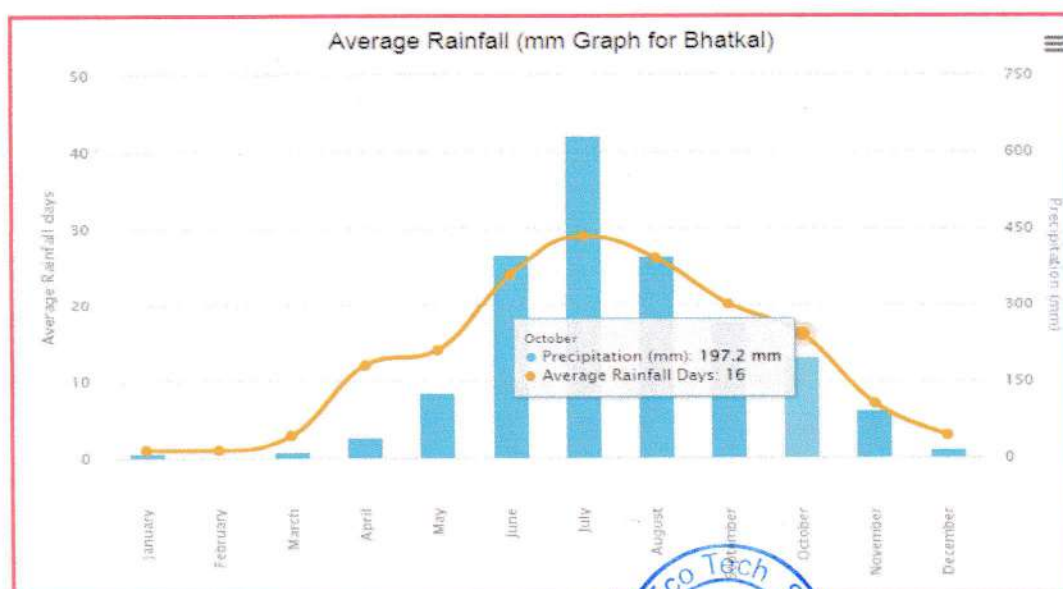
4 Average rain fall Rain fall lain (last three years)



5 5) Average Rain fall rain fall (last three months)

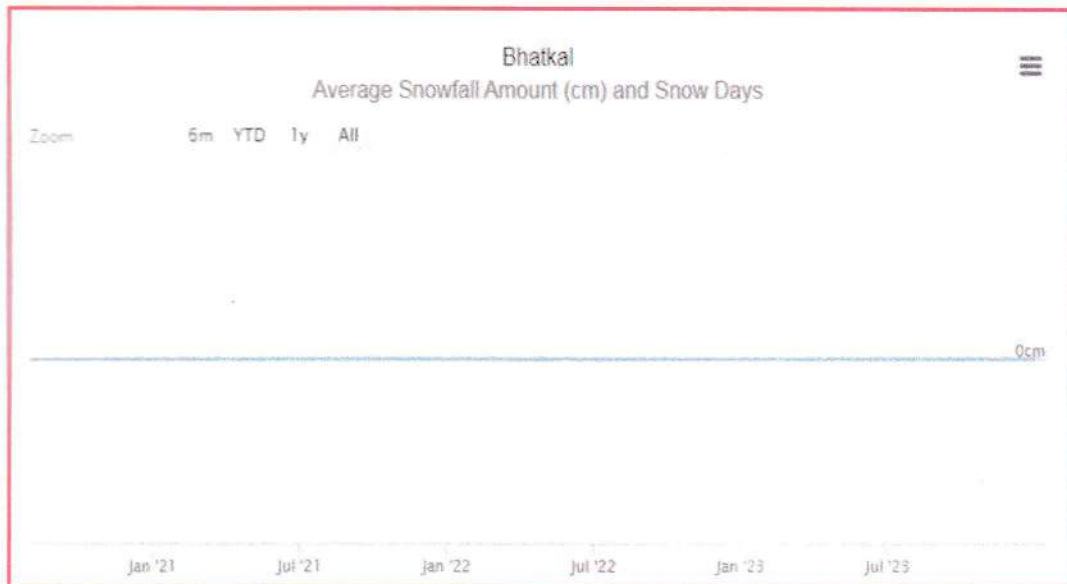


6 6) Monthly average rain fall

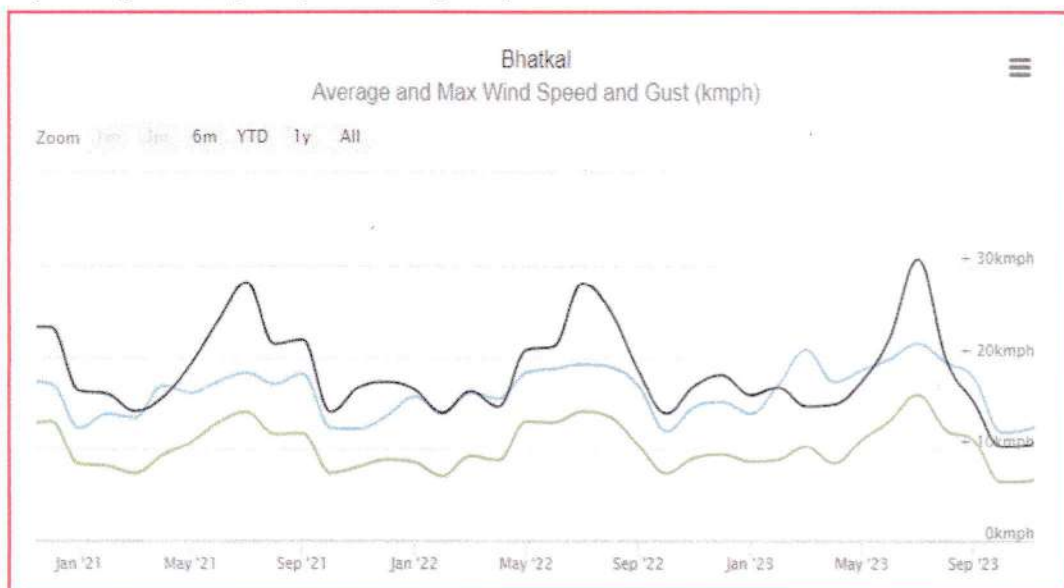


Signature

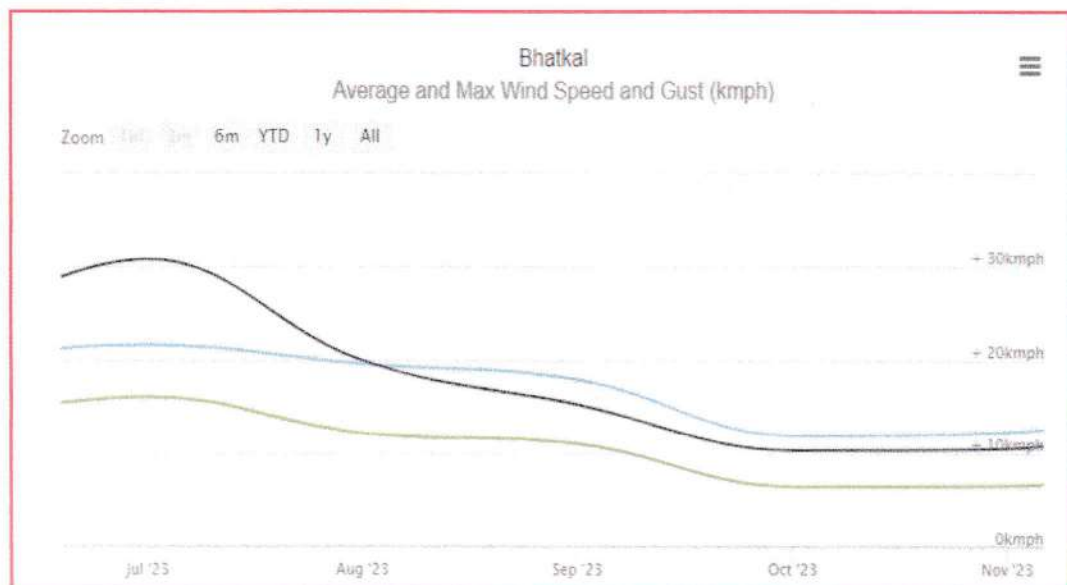
7 7) Snow fall



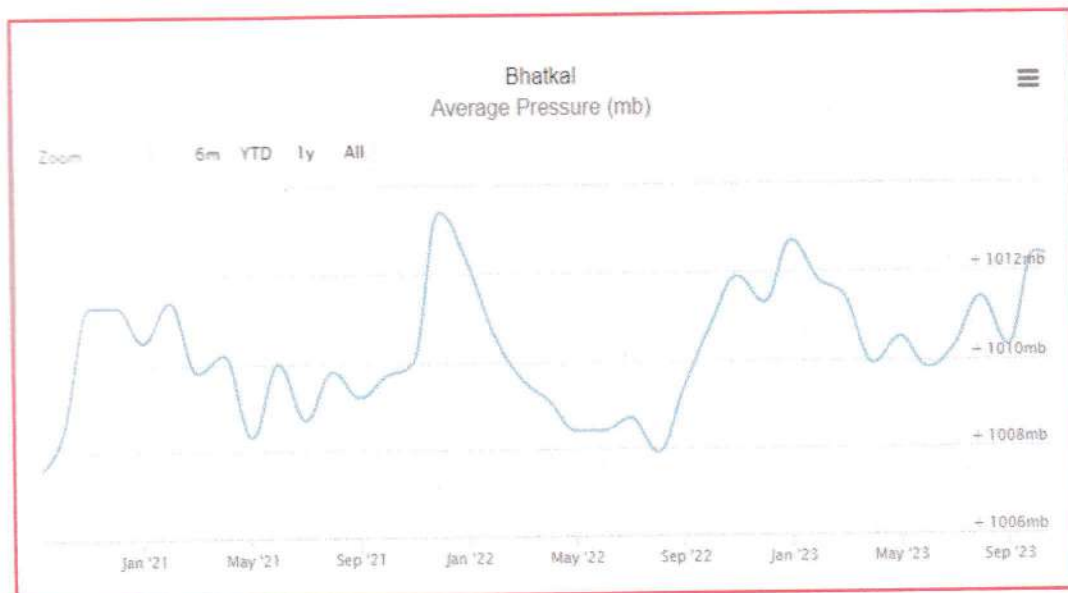
8 8) Average wind speed (last three years)



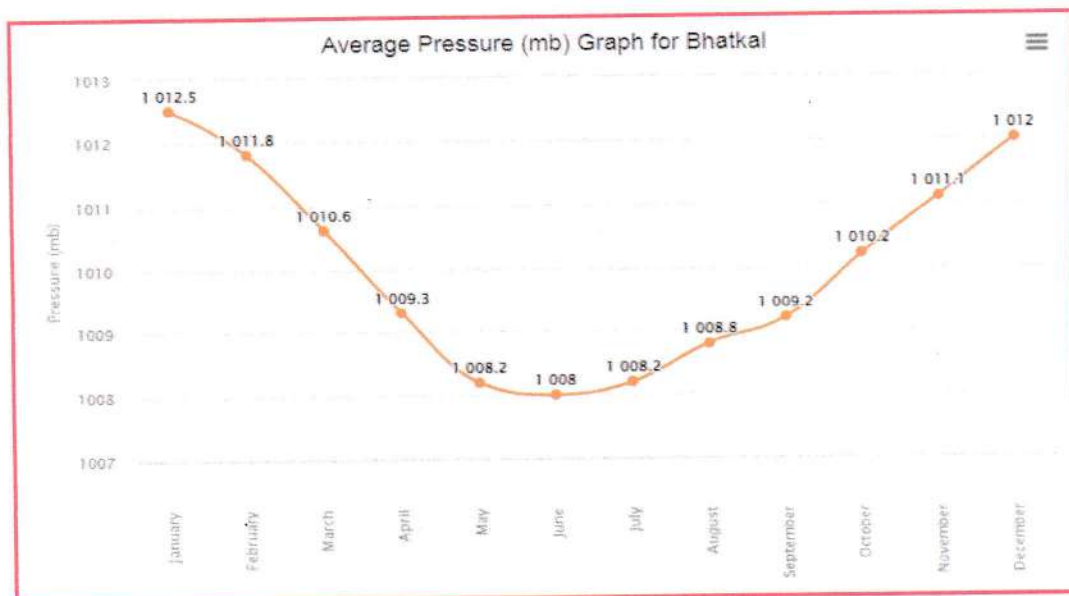
9 10) Average wind speed (last three months)



10 Average pressure (last three years)



11 Average pressure (last three months)



12 Average cloud and Humidity (last three years)

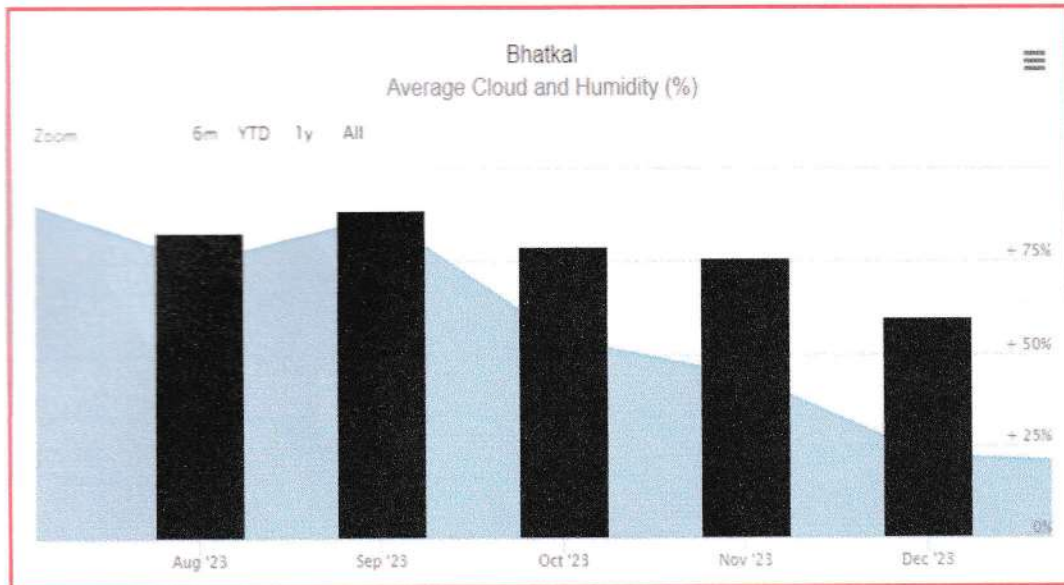


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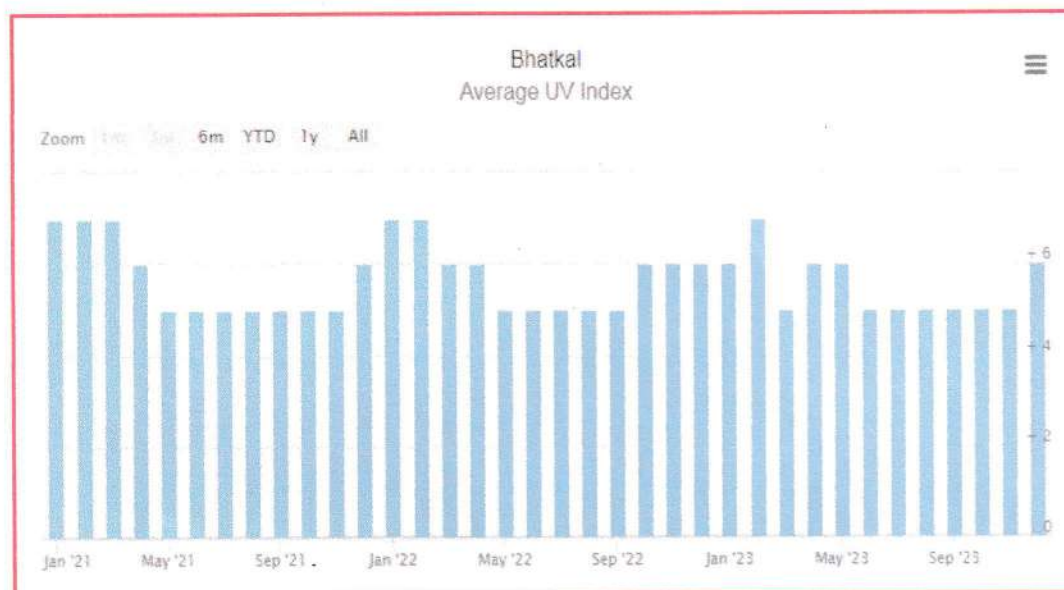
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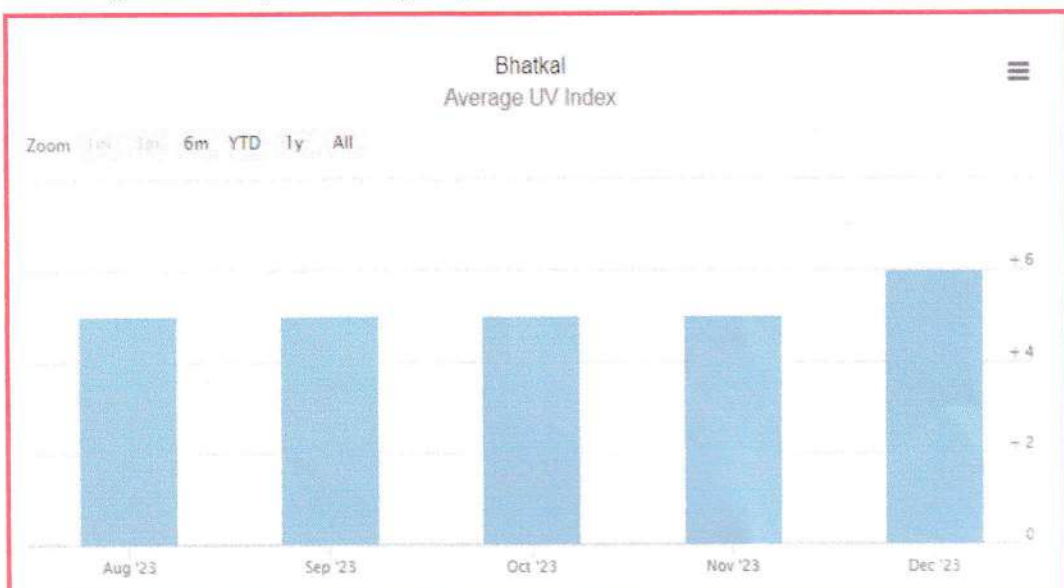
13 Average cloud and Humidity (last three years)



14 AverageUV index cloud and Humidity (last three years)



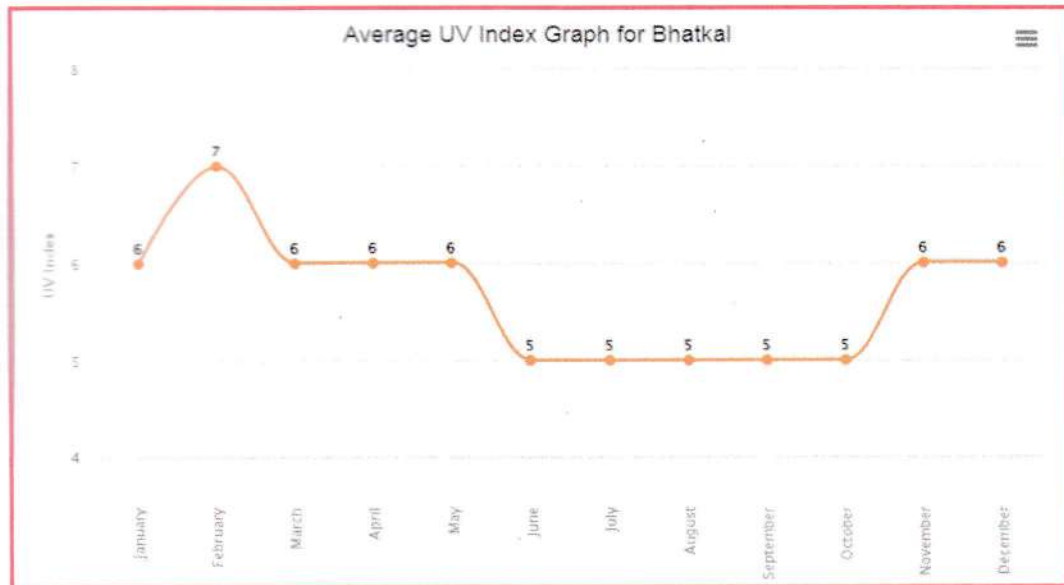
15 Average UV index (last three years)



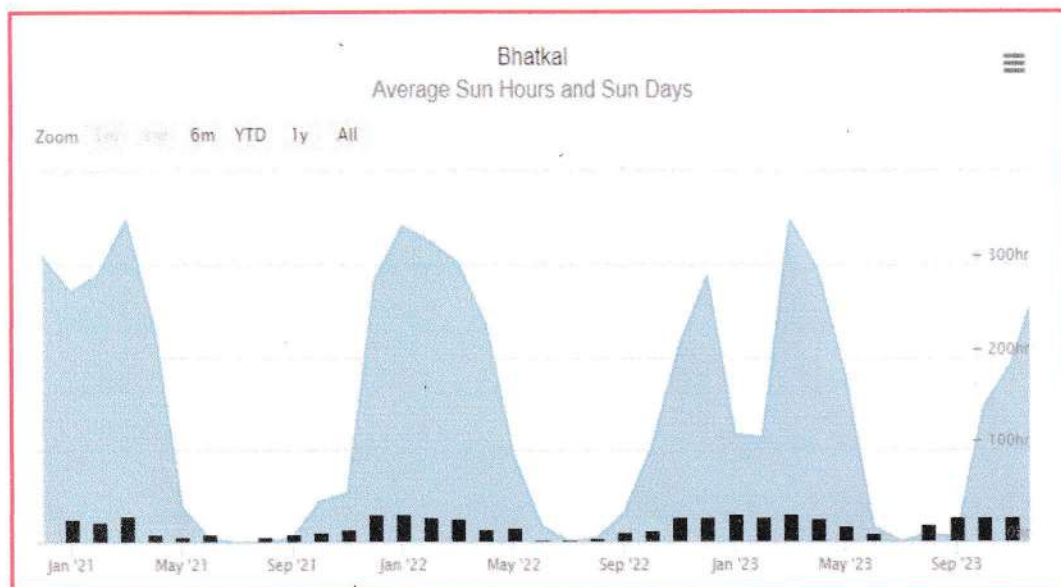
Handwritten signature



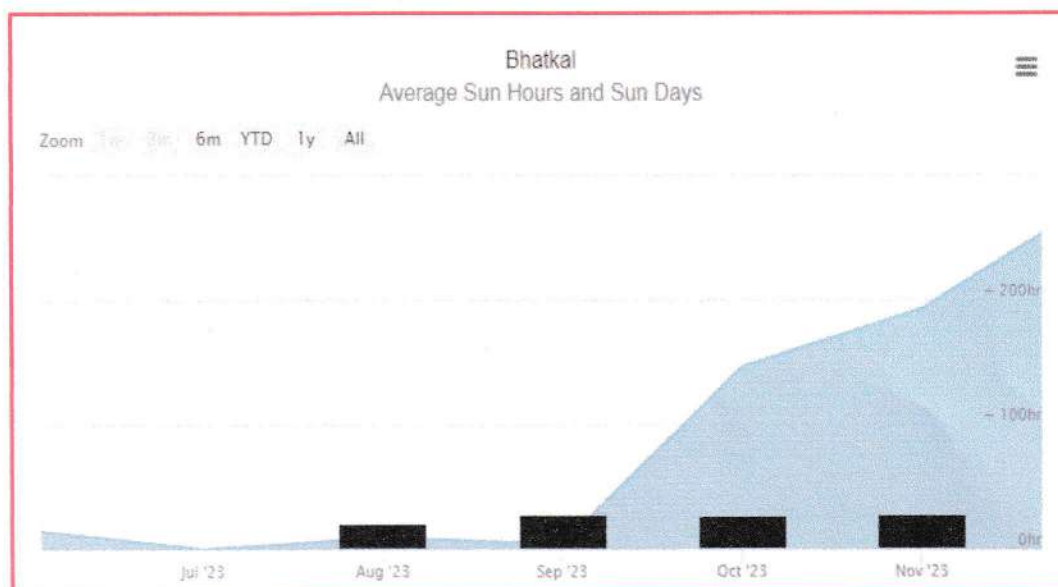
16 Average UV index (IMonthly)



17 Average Sun hours an sun days (last three years)

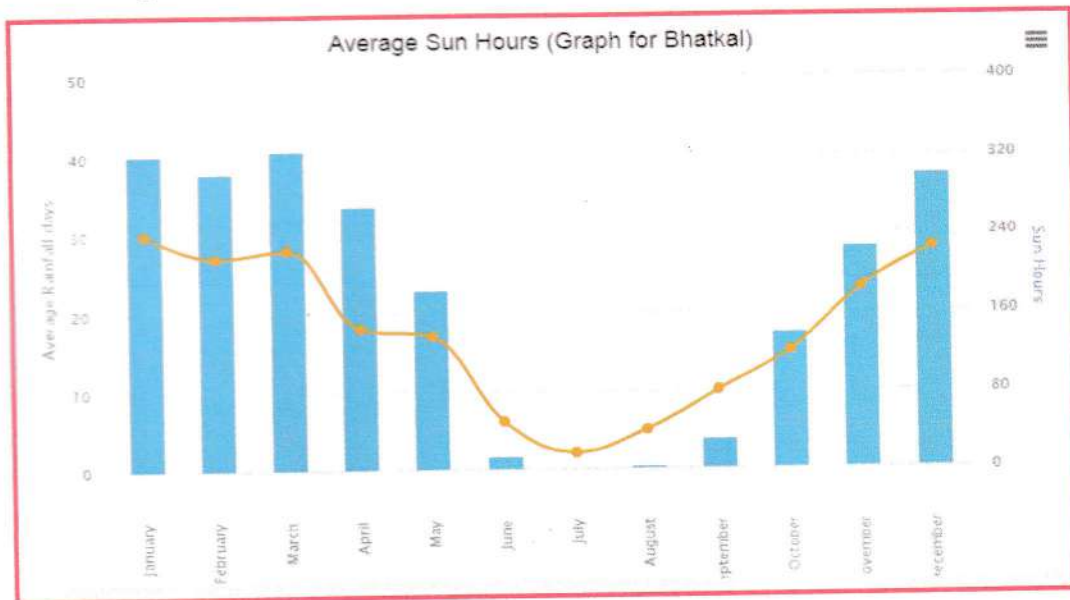


18 Average Sun hours an sun days (last three months)



Signature

19 Average Sun Hours



20 Average visibility (last three months)



21 Average Visibility Monthly

