



Daily Report by Climate Cell-DDMA

Weather Forecast – April 16, 2019

Atmospheric Variables	Tehsil:SADAR (Gorakhpur)- By AWS	District- Gorakhpur
Rainfall-24 hrs. (mm)	1.5	1.5
Chances of Rainfall (%)	80	80
Maximum Temperature (°C)	41	41
Minimum Temperature (°C)	28	22
Maximum Relative Humidity (%)	NA	63
Minimum Relative Humidity (%)	NA	39
Maximum Wind Speed (km/h)	NA	28
Dominant Wind Direction	NA	ESE

Atmospheric forecast for tomorrow: Partly cloudy sky with chances of rainfall in the late evening of April 16, 2019 & morning of April 17, 2019.

Inference from past observation:

- April 13, 2019 has been recorded with the highest maximum temperature, when compared with the last 4 years data of April 13, 2019.
- Gorakhpur's atmospheric rainfall is being continuously recorded with comparatively lesser values, when compared with the last 4 years data for the month of April.

Year	Rainfall in the month of April (mm)
2013	35.9
2014	0
2015	16.8
2016	0
2017	2.4
2018	41.3
2019	4.5 mm till now by April 12, 2019

Peculiar observation for the next few days:

- **Rainfall is expected to occur between late evening of April 16, 2019 and early morning of 17, 2019, with the magnitude as 7.4 mm & chances of it as 81%.**
- **There are chances of high wind gust (speed ranging between 28 km/h to 42 km/h) to blow in Gorakhpur from April 18, 2019 till April 20, 2019.**
- **Farmers of Gorakhpur should do the critical analysis of their field followed by adoption of preventive measures to save their crops from rainfall which is likely to occur on April 16, 2019. If they have already harvested the crops then they should make sure to cover the crops with canvas.**

Precautionary measures for citizens of Gorakhpur:

There are greater chances for formation of photochemical smog in summer as they require sizzling sunshine & dry climate for reaction of unsaturated hydrocarbon with nitrogen oxide leading to the formation of suspended particulate matter, which are highly dangerous to health.

- **Minimize the exposure of children to open atmosphere when the atmosphere is exposed to peak traffic as the pollution during the same can adversely affect their health.**
- **People working in air conditioned environment & following a sedentary lifestyle should have intake of 2.0-2.5 liters of water per day, to avoid dehydration.**
- **For moderate workers/ salespersons/ officials working in open atmosphere or offices not equipped with A.C should have intake of 3.0-3.5 liters of water per day, to avoid dehydration.**