



# Daily Report by Climate Cell-DDMA

Weather Forecast – April 13, 2019

<b>Atmospheric Variables</b>	<b>Tehsil:SADAR (Gorakhpur)- By AWS</b>	<b>District- Gorakhpur</b>
<b>Rainfall-24 hrs. (mm)</b>	0	0
<b>Chances of Rainfall (%)</b>	0	0
<b>Maximum Temperature (°C)</b>	41	41
<b>Minimum Temperature (°C)</b>	26	25
<b>Maximum Relative Humidity (%)</b>	NA	85
<b>Minimum Relative Humidity (%)</b>	NA	24
<b>Maximum Wind Speed (km/h)</b>	NA	20
<b>Dominant Wind Direction</b>	NA	NNE

**Atmospheric forecast for tomorrow:** Clear sky mainly cloudiness in the evening.

**Inference from past observation:** Gorakhpur's atmospheric rainfall & temperature during first fortnight is being continuously recorded with significant lesser values, when compared with the last 4 years data.

<b>Year</b>	<b>Rainfall in the month of April (mm)</b>
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%.**
- **Maximum atmospheric temperature of Gorakhpur is likely to reach or cross the limit of 40°C by April 14, 2019.**
- **Couple of shower is too expected to occur on April 25, 2019 & April 26, 2019.**

**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.**