



# Daily Report by Climate Cell-DDMA

Weather Forecast – April 5, 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>	38	38
<b>Minimum Temperature (°C)</b>	25	20
<b>Maximum Relative Humidity (%)</b>	NA	59
<b>Minimum Relative Humidity (%)</b>	NA	31
<b>Maximum Wind Speed (km/h)</b>	NA	20
<b>Dominant Wind Direction</b>	NA	ENE

**Atmospheric forecast for tomorrow:** Mainly clear sky & warmy weather

**Inference from past observation:** Gorakhpur has been recorded with maximum temperature of 37°C on March 31, 2019, which is highest for the month of March when compared with the last 4 years data.

**Peculiar observation for the next few days:**

- Couple of shower is expected to occur on April 6, 2019 and April 7, 2019 followed by rainfall on April 9, 2019 and April 10, 2019.
- Wind speed during the period of rainfall will be substantially high when compared with the previous timeline of April as wind will be blowing with the average speed of 25 km/hr & may reach the limit of even 33 km/hr in the second week of April, 2019.
- Gorakhpur-Sadar has been recorded with lowest minimum temperature on April 4, 2019, when compared with the last 4 years data.
- Couple of rainfall is also expected to occur between April 12, 2019 and April 16, 2019.

- **Indoor plants for mitigation of air pollution can be used inside the houses to absorb indoor pollutants like**

- **Formaldehyde from carpets, plywood, wall insulation, glues, adhesives & tobacco.**
- **Tetrachloroethylene released from dry cleaning of fabrics and metal-degreasing operations.**
- **Benzene from detergents, paints, furniture wax, thinner etc.**
- **Xylene and Toluene from coloring pens, markers, spray paints, shoe polishes & adhesives.**
- **Volatile Organic Compounds (VOCs) from perfumes, hair sprays, air fresheners and furniture polish, tobacco & mothballs.**



- **Plants proposed by Climate Cell of DDMA as per researches done in the world for mitigation of air pollution are:**

1. **Bamboo**
2. **Aloe vera**
3. **Snake**
4. **Spider**
5. **War neck dracaena**