



# Daily Report by Climate Cell-DDMA

Weather Forecast – April 18, 2019

<b>Atmospheric Variables</b>	<b>Tehsil:SADAR (Gorakhpur)- By AWS</b>	<b>District- Gorakhpur</b>
<b>Rainfall-24 hrs. (mm)</b>	Traces	Traces
<b>Chances of Rainfall (%)</b>	NA	NA
<b>Maximum Temperature (°C)</b>	38	38
<b>Minimum Temperature (°C)</b>	25	22
<b>Maximum Relative Humidity (%)</b>	NA	66
<b>Minimum Relative Humidity (%)</b>	NA	30
<b>Maximum Wind Speed (km/h)</b>	NA	20
<b>Dominant Wind Direction</b>	NA	WNW

**Atmospheric forecast for tomorrow:** Partly cloudy sky with one or two spells of rain or thundershower on April 18, 2019.

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

- Couple Rainfall is expected to occur in the evening of April 17, 2019 & 12:00 midnight till 08:00 am of April 18, 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 their 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.

### Measures for enhancing the urban resiliency for combating indoor pollution in summer

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

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



- Plants proposed by Climate Cell of DDMA for indoor 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

All the citizens of Gorakhpur are advised to use the above mentioned plants for indoor.