Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 08th February, 2022
Time of Issue: 1200 hrs IST

Subject: Wet Spell over Western Himalayan Region and plains of Northwest India on 08th & 09th February and over East India on 09th & 10th February, 2022.

Weather Observed during past 24 hours ending at 0830 hrs IST of today:

- **Minimum temperatures** are above normal by 2-4°C over most parts of plains of northwest (excluding Uttar Pradesh) and below normal by 2-3°C over most parts of Uttar Pradesh, central & east India.
- **Cold Day** conditions prevailed in some parts of terai belt of Uttar Pradesh.
- **Dense to very dense fog in isolated pockets** occurred over East Uttar Pradesh and Punjab and **dense fog** in isolated pockets over West Uttar Pradesh, North Rajasthan and Sub-Himalayan West Bengal & Sikkim.

Weather Systems and associated forecast & warnings:

- The **Western Disturbance as cyclonic circulation** lies over north Pakistan & neighbourhood with it axis at 3.1 km above mean sea level. The induced cyclonic circulation lies over northeast Rajasthan & neighbourhood in lower tropospheric levels. Under its influence; isolated light rainfall/snowfall very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh during next 24 hours.
- **A fresh Western Disturbance as a trough in middle & upper tropospheric westerlies** runs along Long. 58°E to the north of Lat. 30°N. Under its influence, an induced cyclonic circulation likely to form over West Rajasthan & neighbourhood by tonight; it is very likely to cause:

  1. Scattered to fairly widespread light/moderate rainfall/snowfall with thunderstorm & lightning over Western Himalayan Region (over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand) during night of 08th and on 09th February, 2022.
  2. Scattered to fairly widespread rainfall likely over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh and north Rajasthan on 09th February.
  3. Scattered to fairly widespread light/moderate rainfall very likely over West Bengal-Sikkim & Jharkhand and isolated rainfall likely over Bihar & Odisha on 09th & 10th February, 2022.
Fog and Cold Day Warning:

- No significant change in minimum temperatures very likely over most parts of Northwest India during next 24 hours and gradual fall by 2-4°C thereafter.
- Gradual rise in minimum temperatures by 2-4°C very likely over most parts of Central India during next 24 hours and fall by 2-4°C thereafter.
- Gradual rise in minimum temperatures by 2-3°C very likely over most parts of East India during next 3 days and gradual fall by 2-3°C during next 2 days.
- No significant change in minimum temperatures very likely over Gujarat during next 24 hours and gradual fall by 2-4°C during subsequent 3 days.
- **Dense Fog Conditions** very likely in isolated/some parts in night/morning hours over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh, north Rajasthan, Assam-Meghalaya and Nagaland-Manipur-Mizoram-Tripura during next 2 days and over West Bengal-Sikkim & Odisha during next 24 hours.
- **Cold Day Conditions** very likely in isolated pockets over East Uttar Pradesh during next 24 hours and abate thereafter.

For more details refer:
Today
08/02/2022

Tomorrow
09/02/2022

10/02/2022

11/02/2022

12/02/2022
Legends:

**Heavy Rain**: 64.5 to 115.5 mm; **Very Heavy Rain**: 115.6 to 204.4 mm; **Extremely Heavy Rain**: >204.4 mm.

**Region wise classification of meteorological Sub-Divisions:**
1) **Northwest India**: Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
2) **Central India**: West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
3) **East India**: Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
4) **Northeast India**: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
5) **West India**: Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
6) **South India**: Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

### Spatial Distribution (% of Stations reporting)

<table>
<thead>
<tr>
<th>% Stations</th>
<th>Category</th>
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<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>75-100</td>
<td>Widespread (WS/Most Places)</td>
<td>26-50</td>
<td>Scattered (SCT/A Few Places)</td>
</tr>
<tr>
<td>51-75</td>
<td>Fairly Widespread (FWS/Many Places)</td>
<td>1-25</td>
<td>Isolated (ISOL)</td>
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</tbody>
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**Probabilistic Forecast**

<table>
<thead>
<tr>
<th>Terms</th>
<th>Probability of Occurrence (%)</th>
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<tbody>
<tr>
<td>Unlikely</td>
<td>&lt; 25</td>
</tr>
<tr>
<td>Likely</td>
<td>25 - 50</td>
</tr>
<tr>
<td>Very Likely</td>
<td>50 - 75</td>
</tr>
<tr>
<td>Most Likely</td>
<td>&gt; 75</td>
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**Heavy Rain**

**Strong Winds**

**WARNING**

**THUNDERSTORM WITH LIGHTNING**

**Visibility/Fog**

**Cold wave/Cold day**

**Frost**