



**Government of India**  
**Ministry of Earth Sciences**  
**India Meteorological Department**

**Date: 02<sup>nd</sup> April, 2022**  
**Time of Issue: 1330 hrs IST**

**Subject:**

- i) Heat Wave Spell likely to continue over Jammu Division, Himachal Pradesh, Vidarbha & Gujarat on 02<sup>nd</sup> & 03<sup>rd</sup> April; over Jharkhand during 02<sup>nd</sup>-04<sup>th</sup> April; and over Rajasthan, Uttar Pradesh & Madhya Pradesh during 02<sup>nd</sup>-06<sup>th</sup> April, 2022.
- ii) Heavy to very heavy rainfall over Arunachal Pradesh and Assam-Meghalaya during 02<sup>nd</sup>-04<sup>th</sup> April with isolated extremely heavy rainfall over Meghalaya on 03<sup>rd</sup> & 04<sup>th</sup> April, 2022.
- iii) An upper air cyclonic circulation likely to form over South Andaman Sea & neighbourhood on 06th April. Under its influence, a Low Pressure Area is likely to form over Southeast Bay of Bengal during subsequent 24 hours.

**Weather observed during past 24 hours:**

- ✓ **Maximum Temperatures** (as on 01/04/2022) were **41-42°C** in most parts over Vidarbha & East Uttar Pradesh; in some parts over West Rajasthan & West Madhya Pradesh; in isolated pockets over Marathwada, Madhya Maharashtra & Saurashtra-Kutch and **40-41°C** in many parts over East Madhya Pradesh & Telangana; in isolated pockets over East Rajasthan, Gujarat Region, Rayalaseema, Chhattisgarh, Jharkhand and Interior Odisha.
- ✓ The maximum temperatures were **above normal by 6-8°C** at many parts over Jammu division & Himachal Pradesh; in isolated pockets over Uttarakhand, Punjab & Madhya Maharashtra and **by 4-6°C** in many parts over West Rajasthan, East Madhya Pradesh and in isolated pockets over Uttar Pradesh, Gujarat State, Vidarbha, Chhattisgarh & Jharkhand.
- ✓ **Heat Wave to Severe Heat Wave conditions** were observed in some pockets of Himachal Pradesh and **Heat Wave conditions** in some pockets of West Rajasthan and in isolated pockets of southeast Uttar Pradesh & neighbourhood, Jharkhand, Gujarat State and East Madhya Pradesh.
- ✓ **Chief Rainfall amount (in cm): Meghalaya:** Mawsynram-39, Sohra-36, Shella-14, Ruchbelpara & Anlarem-8 each, Cherrapunji -36.

**Maximum Temperature and Heat Wave conditions Forecast:**

- ✓ No significant change in maximum temperatures very likely over most parts of Maharashtra during next 2 days and gradual fall by 2-3°C thereafter.
- ✓ No significant change in maximum temperatures very likely over most parts of Gujarat State next 3 days and gradual fall by 2-3°C thereafter.

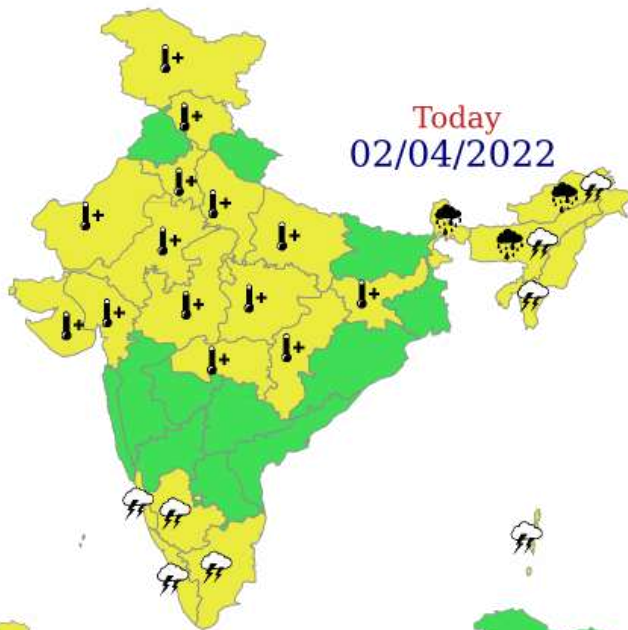
- ✓ No significant change in maximum temperatures very likely over rest parts of the country during next 5 days.
- ✓ **Isolated Heat Wave conditions** likely to prevail over south Haryana & Chhattisgarh on 02<sup>nd</sup> April; over Himachal Pradesh, Jammu division, Vidarbha & Gujarat state on 02<sup>nd</sup> & 03<sup>rd</sup> April; over Jharkhand during 02<sup>nd</sup>-04<sup>th</sup> April and over Rajasthan, Uttar Pradesh & Madhya Pradesh during next 5 days.

#### **Rainfall Forecast & Warnings:**

- ✓ Under the influence of strong southwesterly winds from Bay of Bengal to northeastern States at lower tropospheric levels; fairly widespread to widespread rainfall likely over Arunachal Pradesh, Assam-Meghalaya & Nagaland, Manipur, Mizoram & Tripura during next 5 days.
- ✓ **Isolated heavy rainfall** very likely over Arunachal Pradesh & Assam & Meghalaya on 02<sup>nd</sup> & 05<sup>th</sup> April; over Nagaland-Manipur on 03<sup>rd</sup> April; over Sub-Himalayan West Bengal-Sikkim during 02<sup>nd</sup>-04<sup>th</sup> April. **Isolated very heavy rainfall** also likely over Assam and Arunachal Pradesh on 03<sup>rd</sup> & 04<sup>th</sup> April; **Isolated extremely heavy rainfall is also likely over Meghalaya on 03<sup>rd</sup> and 04<sup>th</sup> April, 2022.**
- ✓ Isolated **thunderstorm/lightning** over Assam-Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura on 02<sup>nd</sup> & 3<sup>rd</sup> April, 2022.
- ✓ Isolated **heavy rainfall** likely over Andaman-Nicobar Islands on 05<sup>th</sup> April, 2022.
- ✓ Under the influence of trough/wind discontinuity over south Peninsular India,
  - Light scattered/fairly widespread rainfall very likely over Kerala-Mahe during next 5 days and isolated light rainfall over Tamilnadu-Puducherry-Karaikal, Coastal & South Interior Karnataka during next 5 days and over Coastal Andhra Pradesh during 04<sup>th</sup>-06<sup>th</sup> & Telangana on 06<sup>th</sup> April.
  - Isolated **thunderstorm/lightning** activity also very likely over Tamilnadu on 02<sup>nd</sup> April; and Coastal & South Interior Karnataka on 02<sup>nd</sup> & 03<sup>rd</sup> April and over Kerala & Mahe during next 5 days.
- ✓ **Strong dust raising winds (speed 25-35 kmph)** likely to prevail over West Rajasthan during next 5 days.
- ✓ **An upper air cyclonic circulation likely to form over South Andaman Sea & neighbourhood on 06th April. Under its influence, a Low Pressure Area is likely to form over Southeast Bay of Bengal during subsequent 24 hours.**
  - **Isolated heavy rainfall** likely over Nicobar Islands on 06<sup>th</sup> April, 2022.
  - **Squally Weather** (40-50 kmph gusting to 60 kmph) likely over South Andaman Sea & adjoining areas on 06<sup>th</sup> April, 2022. Fishermen are advised not to venture into this area.

**For more details refer:**

[https://mausam.imd.gov.in/imd\\_latest/contents/subdivisionwise-warning.php](https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php)



**EXPECTED IMPACT & ACTION SUGGESTED** due to **very heavy/extremely heavy rainfall** over Meghalaya on 03<sup>rd</sup> & 04<sup>th</sup> April, 2022.

### **Impact Expected**

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

### **Action Suggested**

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

## 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:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and 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.

<b>SPATIAL DISTRIBUTION</b> (% of Stations reporting)			
% Stations	Category	% Stations	Category
76-100	Widespread (WS/ Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)



<b>WARNING</b>	
WARNING (TAKE ACTION)	
ALERT (BE PREPARED)	
WATCH (BE UPDATED)	
NO WARNING (NO ACTION)	

<b>Probabilistic Forecast</b>	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

