



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

**Press Release
Date: 15th March, 2022
Time of Issue: 1245 hrs IST**

**Subject: i) Formation of a Low Pressure Area over Equatorial Indian Ocean & adjoining Southwest Bay of Bengal during next 24 hours.
ii) Heat Wave to severe heat wave conditions in some parts of Saurashtra-Kutch, Konkan & West Rajasthan and heat wave conditions over West Madhya Pradesh, Gujarat region, East Rajasthan & Odisha.**

Weather observed during past 24 hours:

- ✓ **Maximum Temperatures** (14/03/2022) recorded around 39-41°C over many parts of Gujarat state and West Rajasthan; 38- 40°C over some parts of southeast Rajasthan, Vidarbha and Konkan & Goa.
- ✓ **Heat Wave conditions** in some pockets with **Severe Heat Wave conditions** in isolated pockets observed over Saurashtra-Kutch; **Heat Wave to Severe Heat Wave conditions** in some pockets over Konkan-Goa and West Rajasthan and **Heat Wave conditions** in isolated pockets over Gujarat Region.
- ✓ The maximum temperatures were **above normal by 3-6°C** at most places over Punjab and Uttarakhand; at many places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at a few places over Himachal Pradesh, West Rajasthan and Saurashtra & Kutch; at isolated places over East Rajasthan and Gujarat Region.

Weather systems and Forecast:

A Low Pressure Area is likely to form over Equatorial Indian Ocean & adjoining Southwest Bay of Bengal during next 24 hours. Under its influence:

- ✓ Scattered to widespread rainfall very likely over Andaman & Nicobar Islands during 15th-19th March with isolated thunderstorm/ lightning on 18th & 19th March. Isolated **heavy rainfall** also likely over the region on 19th March, 2022.
- ✓ **Strong Winds** (speed reaching 40-50 kmph gusting to 60 kmph) likely to prevail over south Andaman Sea on 19th March, 2022.

Forecast for other parts of the country:

- ✓ Weather likely to be dry over most parts of the country except light isolated rainfall over Kerala & Mahe during next 5 days; over South Interior Karnataka during 17th-19th; Tamilnadu, Puducherry & Karaikal on 18th & 19th March.
- ✓ **Strong Winds** (speed reaching 25-35 kmph) likely to prevail over plains of Northwest India on 16th & 17th March, 2022.

Maximum Temperature Forecast:

- ✓ No significant change in maximum temperatures very likely over Konkan & Gujarat during next 2 days and gradual fall by 2-3°C thereafter.
- ✓ Rise in maximum temperatures by 2-3°C very likely over many parts of Northwest India & West Madhya Pradesh during next 2 days and no significant change thereafter.
- ✓ No significant change in maximum temperatures very likely over interior Maharashtra during next 2 days and rise by 2-3°C thereafter.
- ✓ Gradual rise in maximum temperatures by 2-3°C very likely over most parts of East & northeast India during 3 days and no significant change thereafter.
- ✓ No significant change in maximum temperatures over rest parts of the country.

Heat Wave warning:

- ✓ **Heat Wave conditions to Severe Heat Wave conditions** very likely to prevail in some parts of West Rajasthan during 15th- 17th and **Heat Wave conditions** in isolated pockets over the region on 18th March, 2022.
- ✓ **Heat Wave conditions to Severe Heat Wave conditions** very likely to prevail in isolated pockets over Konkan and Saurashtra-Kutch on 15th and **Heat Wave conditions** in isolated pockets over the region on 16th March, 2022.
- ✓ **Heat Wave conditions** very likely to prevail in isolated pockets over Gujarat Region, West Madhya Pradesh during 15th-17th; over East Rajasthan on 16th & 17th and over Odisha during 16th-18th March, 2022.

For more details refer:

https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php

Impact expected and action suggested due to Severe heat wave conditions over West Rajasthan, Saurashtra & Kutch and Konkan.

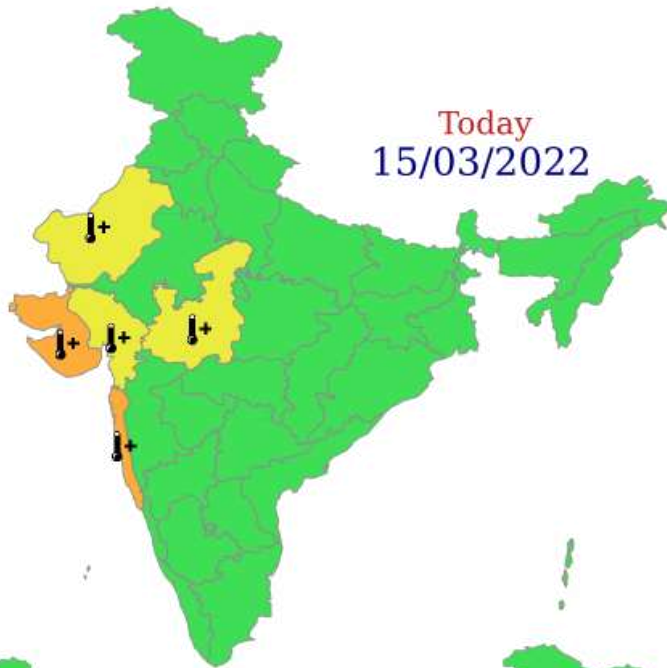
Impact expected:

- Heat wave could lead to moderate health concern for vulnerable people e.g. infants, elderly, people with chronic diseases
- Increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.

Action suggested:

- Avoid heat exposure– keep cool. Avoid dehydration.
- Drink sufficient water- even if not thirsty.
- Avoid heat exposure, wear lightweight, light-colored, loose, cotton clothes and cover the head by use of cloth, hat or umbrella etc.
- Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

Today
15/03/2022



Tomorrow
16/03/2022



17/03/2022



18/03/2022



19/03/2022



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:** 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.

SPATIAL DISTRIBUTION (% 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)



WARNING	
WARNING (TAKE ACTION)	
ALERT (BE PREPARED)	
WATCH (BE UPDATED)	
NO WARNING (NO ACTION)	

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

