



Government of India
Ministry of Earth Sciences
India Meteorological Department

Special Press Release
Date: 20th February, 2023
Time of Issue: 2000 hours IST

Subject: Prevailing of Warmer day temperature over northwest India and along Konkan & Goa and Gujarat.

- ❖ **Maximum temperatures** in the range of 35-39°C prevailed over many parts of Gujarat, Rajasthan and Konkan and Goa, coastal Karnataka during past one week (13-20 Feb 2023) and currently, it is above normal by 4-9°C. They are above normal by 6-9°C over some areas of Saurashtra and Kutch and south west Rajasthan. The maximum temperature at the range of 23-28°C over parts of Himachal Pradesh and Uttarakhand during 15 to 20 Feb 2023 and above normal by 5-11°C. Over Punjab, Haryana, Chandigarh and Delhi, it has reached upto 28-33°C during 18-20 Feb and it is also above normal by 5-9°C.
- ❖ Significantly higher than normal maximum temperature over northwest India, Gujarat State, Konkan & Goa may be attributed to: i) absence of any active WD in Feb 2023 and dry spell prevailing over the plains and subdued rainfall/snowfall over hills ii) Anti-cyclone over south Gujarat which leads to subsidence of air and hence warming over Gujarat and advection of heat energy to northwest India in association with this anti-cyclone. iii) Weaker Sea breeze and stronger land breeze over Konkan coast in association with above anti-cyclone.

Maximum Temperatures Forecast:

- ❖ **With shifting of lower level anticyclone towards northern parts of central Arabian Sea, it may cause** Maximum Temperatures to fall by 2-3°C over the region during next 3 days and no significant change thereafter.
- ❖ **However, the maximum temperature is likely to remain above normal over many part of the above region by 5-7°C during next 03 days.**

Impact of higher day temperature on Agriculture over Punjab, Haryana, and Rajasthan & Advisory to farmers for next 5-days in view of the above

- ❖ **Impact:** This higher day temperature might lead to adverse effect on wheat as wheat crop is approaching reproductive growth period, which is sensitive to temperature. High temperature during flowering and maturing period leads to loss in yield.
- ❖ There could be similar impact on other standing crops and horticulture.
- ❖ **Advisory for farmers:** Farmers are advised to check if the crop appears to be under stress, light irrigation can be provided. To reduce the impact of higher temperature, add mulch material in the space between two rows of vegetable crops for conservation of soil moisture and maintaining the soil temperature.

For more details and updates kindly refer:

https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php