

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 05 March 2021

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- A fresh Western Disturbance is very likely to affect Western Himalayan Region (Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand) and adjoining plains of Northwest India from 06th March. It is very likely to cause scattered to widespread rainfall/snowfall likely over Western Himalayan Region during 06-08 March with peak intensity on 07 March. Isolated heavy rainfall/snowfall very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand on 07 March.
- Thunderstorm with lightning & hail at isolated places very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad and Himachal Pradesh on 06 & 07 March and over Uttarakhand during 06-08 March. Isolated to scattered light rain/drizzle very likely over Punjab on 06 & 07 and isolated light rain/drizzle over north Haryana, Chandigarh and adjoining West Uttar Pradesh on 07 March. Isolated thunderstorm with lightning very likely over Punjab, Haryana & Chandigarh and adjoining West Uttar Pradesh on 07 March.
- Fairly widespread to widespread rainfall very likely over Arunachal Pradesh, scattered to fairly widespread over Assam & Meghalaya and isolated to scattered over Nagaland, Manipur, Mizoram & Tripura till 7 March and isolated to scattered over the region on 8 & 9 March, 2021. Isolated thunderstorm/lightning also likely over these regions during the same period. Isolated heavy rainfall very likely over Arunachal Pradesh on 05th March and thundersquall (wind speed reaching 50-60 gusting to 70 kmph) & hail also very likely over Assam & Meghalaya on 05th March, 2021.
- Maximum temperatures are above normal by 3-7°C over most parts of Western Himalayan Region & plains of Northwest India and are above normal by 3-5°C over many parts of Central, East & West India. However, no heat wave conditions very likely over the country during next 5 days.
- The images showing the latest satellite picture in the figure. 1.

Main Weather Observations (IMD)

- Rain/Thundershowers observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at many places over Arunachal Pradesh; at a few places over Sub-Himalayan West Bengal & Sikkim and at isolated places over Andaman & Nicobar Islands and Assam & Meghalaya.
- Maximum Temperature Departures as on 04-03-2021: Maximum temperatures were markedly above normal (5.1°C or more) at many places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh and Haryana, Chandigarh & Delhi; appreciably above normal (3.1°C to 5.0°C) at most places over Punjab, Rajasthan, and Jharkhand; at many places over Uttrakhand, Madhya Pradesh, Saurashtra & Kutch, Vidarbha and West Utter Pradesh; at a few places over East Utter Pradesh and Coastal Karnataka and above normal (1.6°C to 3.0°C) at most places over Assam & Meghalaya, Konkan & Goa and Odisha; at many places over Bihar, Gangetic West Bengal, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Kerala & Mahe and Telangana; at a few places over Madhya Maharashtra and Coastal Andhra Pradesh & Yanam and at isolated places over Tamilnadu, Puducherry & Karaikal. They were below normal (-1.6°C to -3.0°C) at a few places over Sub-Himalayan West Bengal & Sikkim and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 39.8°C was reported at Bramhapuri (Vidarbha) over the country.
- Minimum Temperature Departures as on 05-03-2021: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at many places over Punjab, Saurashtra & Kutch, Nagaland, Manipur, Mizoram & Tripura and Andaman & Nicobar Islands; at a few places over West Utter Pradesh, East Rajasthan and Gangetic West Bengal and above normal (1.6°C to 3.0°C) at most places over Haryana, Chandigarh & Delhi, Bihar and West Rajasthan; at many places over Uttrakhand; at a few places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, East Utter Pradesh, Assam & Meghalaya, Gujarat Region, Madhya Pradesh and Konkan & Goa and a isolated places over Odisha and Madhya Maharashtra. They are appreciably below normal (-3.1°C to -5.0°C) at a few places over Coastal Andhra Pradesh & Yanam; below normal (-1.6°C to -3.0°C) at most places over Rayalseema; at many places over Telangana and South Interior Karnataka; at a few places over Kerala & Mahe and at isolated places over Tamil Nadu, Puducherry & Karaikal and near normal over rest parts of the country. Today, the lowest minimum temperature of 11.3°C is reported at Bhilwara (East Rajasthan) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 05 March (Day 1): Thunderstorm with lightning, hail & squall (wind speed reaching 50-60 gusting to 70 kmph) at isolated places very likely over Assam & Meghalaya and with lightning at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura. Heavy rainfall at isolated places very likely over Arunachal Pradesh.
- 06 March (Day 2): Thunderstorm with lightning & hail at isolated places likely over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand and with lightning at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 07 March (Day 3): Thunderstorm with lightning & hail at isolated places very likely over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand and with lightning at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and Arunachal Pradesh. Heavy rainfall/snowfall at isolated places very likely over Jammu & Kashmir, Ladakh, GilgitBaltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand.
- 08 March (Day 4): Thunderstorm with lightning & hail at isolated places likely over Uttarakhand.
- 09 March (Day 5): No Severe Weather Warning.
- The weather outlook for seven days i.e., 05 Mar to 13 March 2021 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>) rain/thundershower may occur over Some parts of Extreme northern parts of India. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Maharashtra-Vidarbha

Weather condition:

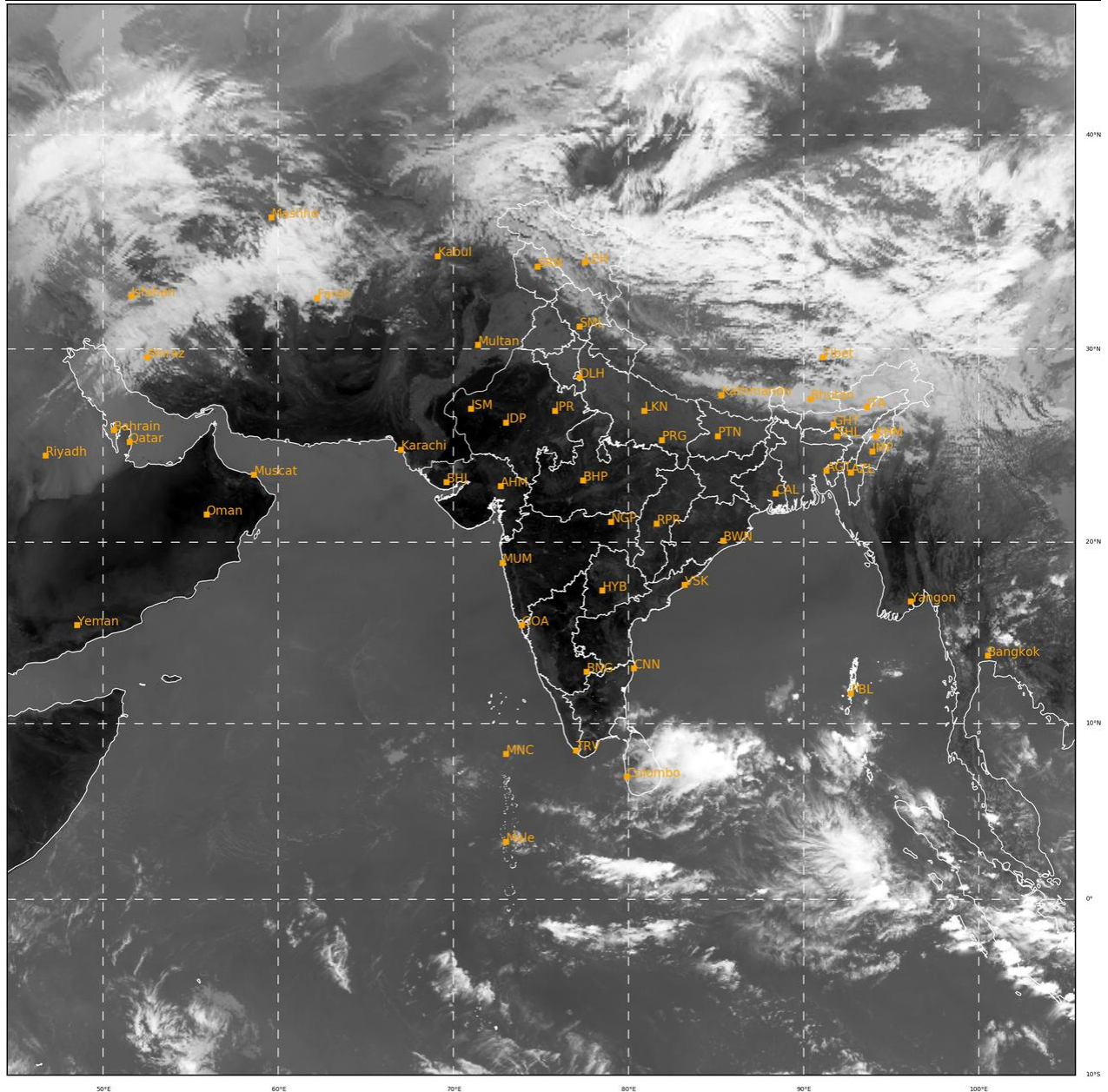
Weekly average means (09 MW) at AICRPAM Akola centre: T max 37.3°C (normal 34.9°C), T min 17.9°C (normal 15.5°C). RH I 51 % (normal 51 %), RH II 15 % (normal 19 %). Evaporation rate 8.5 mm (normal 8.0 mm), Wind speed 2.2 km/hr (normal 5.6 km/hr) and BSH 9.1 hrs (normal 9.0 hrs). Maximum temperature across the week was 2.4°C above normal with a deviation of 1.5 to 3.1°C from normal. Minimum temperature across the week 2.5°C above normal with a deviation of -1.5 to 6.0°C from normal.

Contingency measure:

- The forecast (IMD) indicates mainly dry weather on during 04 March to 08 March over Vidarbha. Maximum temperature is likely to increase by 1-2 °C during next 24 hours over Vidarbha.
- Ensure timely harvest of matured chickpea crop and store the produce at safe place. Delaying harvest beyond maturity and dry/warm weather can result in broken pod stems and dropped pods.
- Harvest the matured earlier sown or timely sown wheat crop and store at safer place. With prevailing dry weather apply irrigation to avoid soil moisture stress during milk stage in late sown Wheat crop.
- Undertake timely harvest of safflower crop when 90-95% capsules mature and leaves colour becomes brownish. Undertake intercultural operations in summer groundnut and sunflower to loosen the surface soil and keep the crop weed.
- With prevailing dry weather undertake need based irrigation (sprinkler) in summer sunflower judging field moisture condition, post emergence critical stages of irrigation include growing bud, flowering and seed development stages.
- With increasing evaporative demand, basin mulching in orchards particularly of young plantation is advisable to conserve moisture and maintain thermal regime. Make provision of shade/thatches (made of harvested cotton/pigeonpea stalks or green net) to individual young/new plantation. Undertake need based timely irrigation to orchards.
- In citrus orchards, during March month due to rise in temperature drip irrigation should be given @ 12-53, 78-127, and 145-180 liters per day for trees 1-4, 5-7, 8 years old and above respectively. Follow double ring method of irrigation and irrigate orchard 7 to 10 days. Use mulching in basins.
- Complete transplanting of 4-6 weeks old summer chilli, brinjal and tomato seedlings. Cultivation of summer vegetables (okra, cluster bean, cowpea, cucumber, gourd) can be initiated during this period. Recommended varieties for cultivation of watermelon during this period include Asahi Yamato, Sugar baby, Arka Manik and Pusa bedana. Recommended muskmelon varieties are Pusa Sharbati, Pusa Madhuras, Hara Madhu.
- For livestock green feed during ensuing summer, undertake sowing of forage crops (fodder maize African tall, fodder sorghum-Pusa chari, MP Chari, SSG 898), provided irrigation is available at later stages.

SAT : INSAT-3D IMG
IMG_TIR1 10.8 um
L1C Mercator

05-03-2021/(0800 to 0827) GMT
05-03-2021/(1330 to 1357) IST



313

929

IMD, DELHI

Figure: 1. Latest available satellite picture as on 05 March 2021 at 1357 Hrs (IST). (Source: IMD).

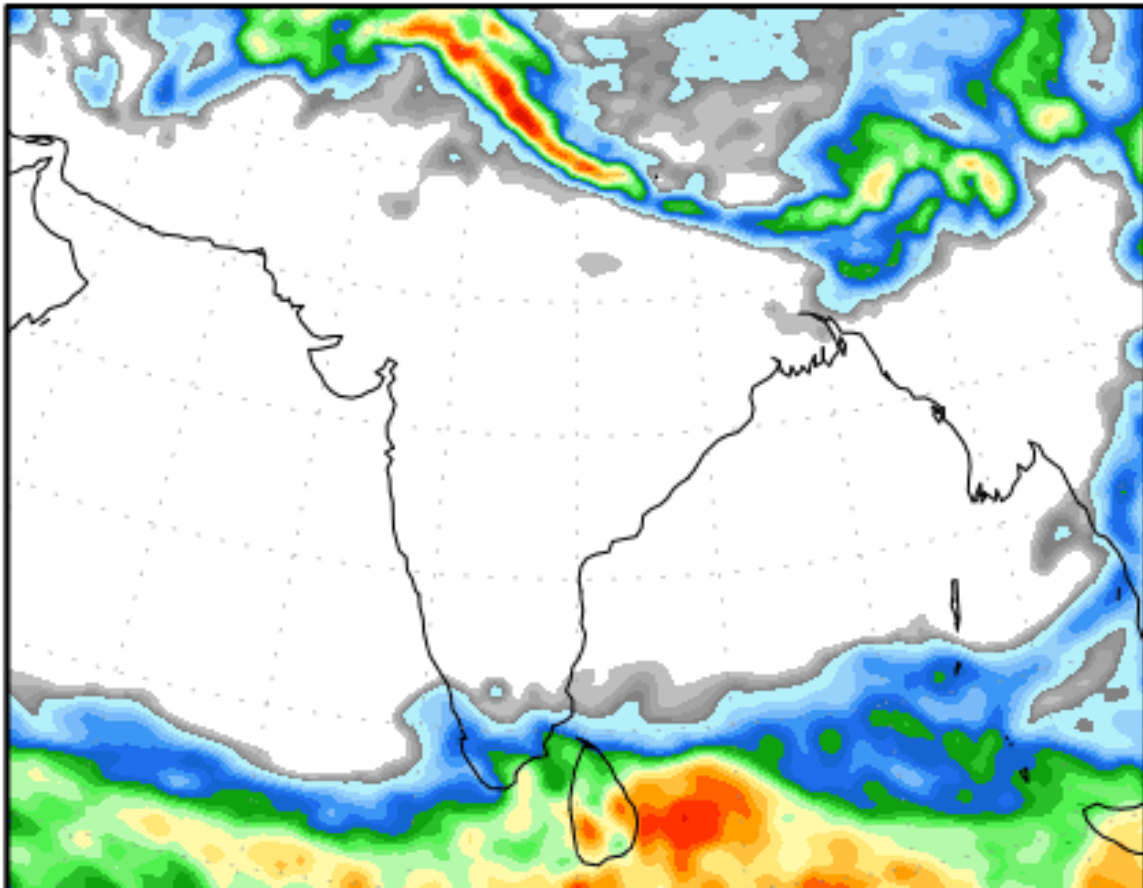


Figure:2. Precipitation forecast for 05 to 13 March 2021 (Source: NOAA NCEP).

Disclaimer: The predictability of weather depends on many dynamic factors. The success of Agromet advisories provided here depends on the accuracy of the forecasts. In no event will India Meteorological Department (IMD) and Indian Council of Agricultural Research (ICAR) be liable to the user or any third party for any direct, indirect, incidental, consequential, special or exemplary damages or lost profit resulting from any use or misuse of the information on this bulletin.