

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 26 February 2021

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Significant Weather Features (IMD)

- Under the influence of a Western Disturbance as a cyclonic circulation over east Afghanistan & neighbourhood and an induced cyclonic circulation over north Pakistan & adjoining West Rajasthan in lower tropospheric levels:
 - (i) Fairly widespread to widespread rainfall/snowfall very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, scattered to fairly widespread rainfall/snowfall over Himachal Pradesh during next 2 days and isolated to scattered rainfall/snowfall likely over Uttarakhand during next 3 days.
 - (ii) Isolated thunderstorm/lightning and hail very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh & Uttarakhand during 26th-27th February.
- The temperatures are above normal by 4-6°C over most parts of Northwest India and adjoining parts of Central and East India. It is likely to continue during next 3 days and then fall by 2-4°C subsequently.
- 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 Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and isolated places over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, Himachal Pradesh, South Interior Karnataka and Kerala & Mahe.
- Maximum Temperature Departures as on 25-02-2021: Maximum temperatures were markedly above normal (5.1°C or more) at most places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Rajasthan and Jharkhand; at many places over Himachal Pradesh; at a few places over East Uttar Pradesh; at isolated places over East Rajasthan, East Madhya Pradesh and Gangetic West Bengal; appreciably above normal (3.1°C to 5.0°C) at many places over Bihar, Odisha, West Madhya Pradesh and Vidarbha; at isolated places over

Assam & Meghalaya and Gujarat state; above normal (1.6°C to 3.0°C) at most places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and Chhattisgarh; at a few places over Marathwada, Madhya Maharashtra and Konkan & Goa; at isolated places over Sub-Himalayan West Bengal & Sikkim, Telangana, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. They were below normal (-1.6°C to -3.0°C) at isolated places over Andaman & Nicobar Islands and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 39.4°C was reported at Bhubaneswar (Odisha) over the country.

- Minimum Temperature Departures as on 26-02-2021: Minimum temperatures are markedly above normal (5.1°C or more) at a few places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and West Rajasthan; at isolated places over East Uttar Pradesh and East Rajasthan; appreciably above normal (3.1°C to 5.0°C) at most places over Punjab; at many places over West Uttar Pradesh, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim and Marathwada; at a few places over Madhya Maharashtra; at isolated places over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Madhya Pradesh, Jharkhand, Gujarat state, Coastal Karnataka and Andaman & Nicobar Islands; above normal (1.6°C to 3.0°C) at many places over Bihar; at a few places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Konkan & Goa and Kerala & Mahe; at isolated places over Gangetic West Bengal, Odisha and Tamil Nadu, Puducherry & Karaikal. They are below normal (-1.6°C to -3.0°C) at many places over South Interior Karnataka; at a few places over Telangana and Rayalaseema; at isolated places over Coastal Andhra Pradesh & Yanam and near normal over rest parts of the country. The lowest minimum temperature of 11.4°C reported at Rewa (East Madhya Pradesh) over the plains of the country

Weather Warning during the next 5 days (IMD)

- 26 February (Day 1): Thunderstorm with lightning & hail very likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand and with lightning at isolated places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya and Kerala & Mahe.
- 27 February (Day 2): Thunderstorm with lightning & hail very likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand and with lightning at isolated places over Arunachal Pradesh.

- 28 February (Day 3): Thunderstorm with lightning very likely at isolated places over Arunachal Pradesh.
- 01 March (Day 4): Thunderstorm with lightning likely at isolated places over Arunachal Pradesh.
- 02 March (Day 5): Thunderstorm with lightning likely at isolated places over Arunachal Pradesh.
- The weather outlook for seven days i.e., 26 Feb to 06 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 (08 MW) at AICRPAM Akola centre: T max 32.0°C (normal 33.3°C), T min 15.3°C (normal 14.1°C). RH I 64 % (normal 54 %), RH II 27 % (normal 21 %). Evaporation rate 6.1 mm (normal 7.1 mm), Wind speed 2.3 km/hr (normal 5.3 km/hr) and BSH 7.7 hrs (normal 9.0 hrs). Maximum temperature across the week was 1.3°C below normal with a deviation of -4.6 to 2.1°C from normal. Minimum temperature across the week 1.2°C above normal with a deviation of -0.1 to 3.9°C from normal.

Contingency measure:

- The forecast (IMD) indicates indicates mainly dry weather on during 25 February to 01 March over Vidarbha.
- Undertake harvest of matured earlier sown chickpea and store the produce at safe place. For management of pod borer (*Helicoverpa*) in late sown chickpea undertake spray with Emamectin benzoate 5% SG @ 3 g OR Ethion 50% Ec @ 25 ml OR Flubendiamide 20% WG @ 5 g OR Chlorantraniliprole 18.5 % SG @ 2.5 g per 10 litres of water.
- Undertake Need based irrigation at critical stages in wheat crop. Undertake harvest of matured earlier sown rainfed wheat and store the produce at safe place.
- Undertake harvest of earlier sown matured safflower crop and ensure safe storage of produce. Undertake timely harvest of late sown safflower crop when 90-95% capsules mature and leaves colour becomes brownish.
- Undertake need based irrigation and intercultural operations in summer groundnut, sesame and sunflower.

- For control of mango thrips undertake spray of buprofezin 25 % Sc10 ml or deltamethrin 2.8 % Ec 5 ml or imidaclopride 17.8 % 4 ml or methyl demeton 25 % Ec 10 ml or monocrotophos 36 % Ec 30 ml in 10 liters of water. For control of mango mites undertake spray of monocrotophos 36 % Ec 30 ml in 10 liters of water with gator pump.
- Cultivation of cowpea (Pusa Rituraj, a bushy variety) for vegetable purpose (in 40-45 days) can be undertaken during this period. Other recommended varieties include Pusa Phalguni, Pusa DoFasali.
- Undertake need based spray for Onion and Garlic for control of sucking pests and fungal disease by spraying of Quinolphos 25 % Ec 12 ml + mencozeb 25 gm + sandovit stickers in 10 liters of water.
- Screening of farm livestock, draught / milch animals for diseases be considered and they be vaccinated for foot and mouth disease (FMD). In sheep and goat preventive vaccination for Bulkandi disease (Rinderpest) is advisable.

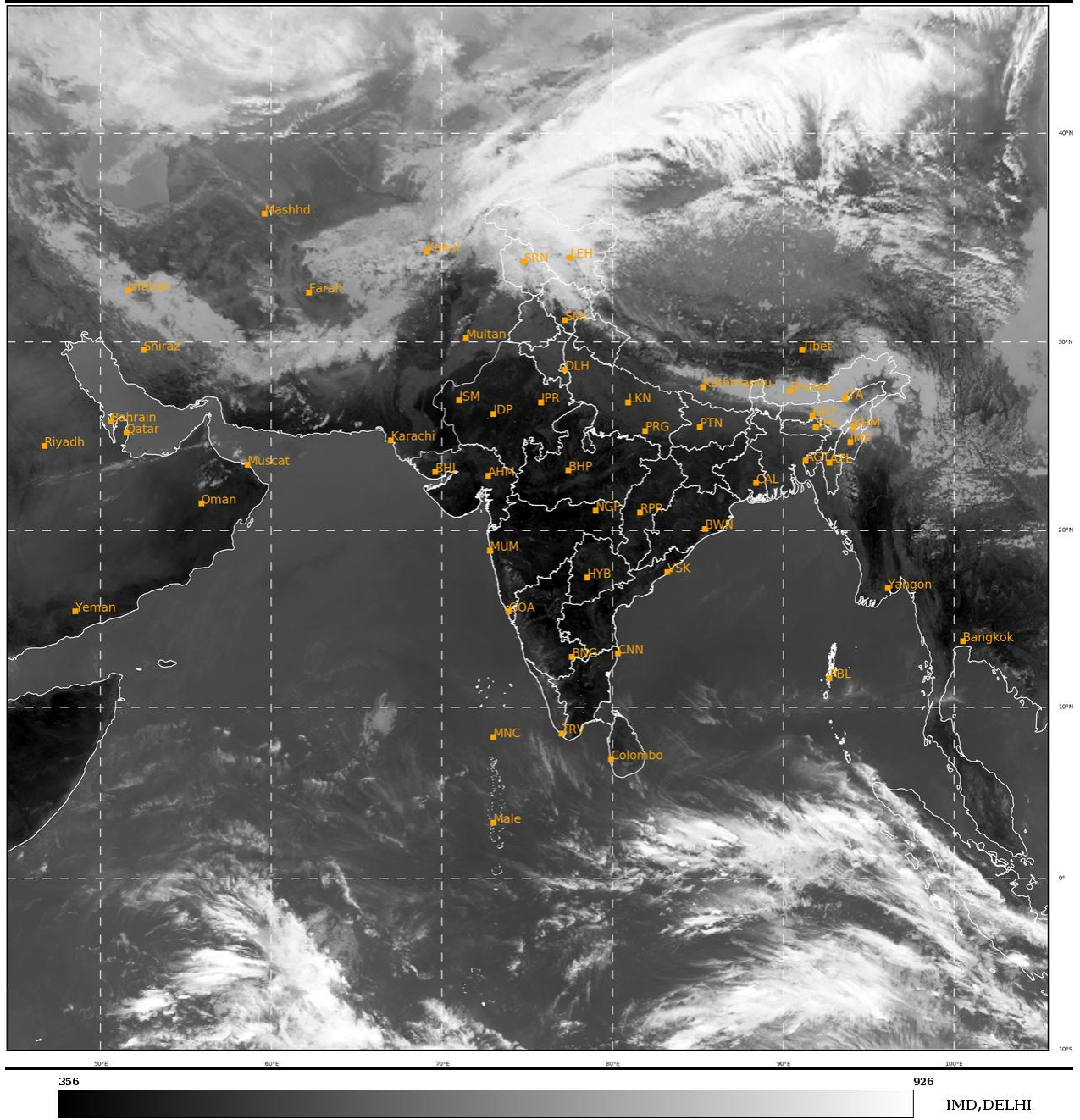


Figure: 1. Latest available satellite picture as on 26 February 2021 at 1357 Hrs (IST).
(Source: IMD).

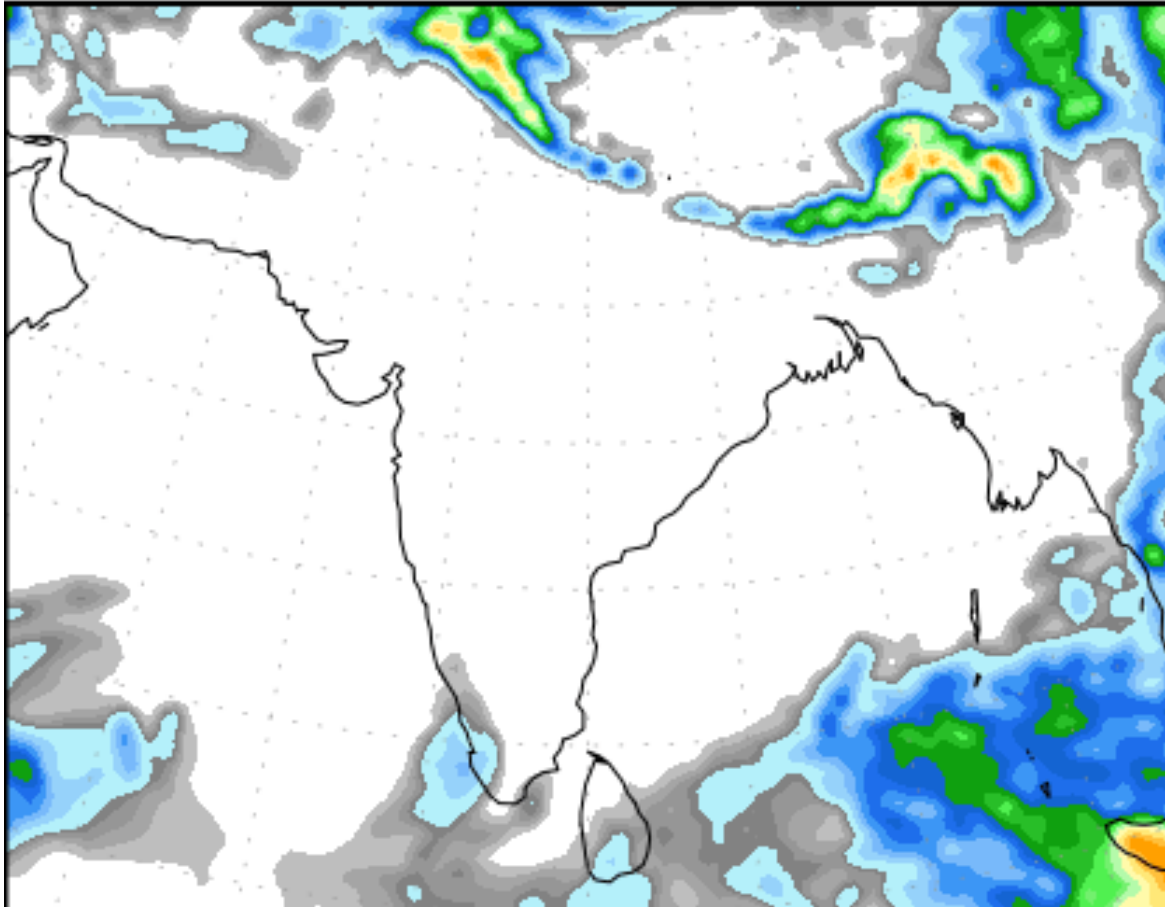


Figure:2. Precipitation forecast for 26 Feb to 06 March 2021 (Source: NOAA NCEP).

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