

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 25 February 2021

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Under the influence of a Western Disturbance which is seen as a cyclonic circulation over Afghanistan & neighbourhood in low tropospheric level with a trough aloft with its axis in mid tropospheric level roughly along longitude 70°E to the north of latitude 30°N and an induced cyclonic circulation over north Pakistan & neighbourhood 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 3 days and isolated to scattered rainfall/snowfall likely over Uttarakhand during next 4 days.
 - (ii) Isolated thunderstorm/lightning very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad during 25th-27th February; over Himachal Pradesh & Uttarakhand during 26th-27th February. Isolated hailstorm also very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad on 25th & 26th; over Himachal Pradesh on 26th and over Uttarakhand on 26th & 27th February, 2021.
 - (iii) Isolated heavy rainfall/snowfall very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad on 26th February, 2021.
- Above normal temperatures are prevailing over the most parts of the country which are likely to continue during next 2-3 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 a few places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad and at isolated places over Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Uttarakhand, Himachal Pradesh, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal.

- Fog observed (at 0830 hours IST of today): Moderate to Dense Fog in isolated pockets over Saurashtra & Kutch and Shallow Fog in isolated pockets over Sub-Himalayan West Bengal & Sikkim.
- Maximum Temperature Departures as on 24-02-2021: Maximum temperatures were markedly above normal (5.1°C or more) at most places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad; at many places over Punjab, Haryana, Chandigarh & Delhi, Himachal Pradesh, Uttarakhand, Rajasthan and West Uttar Pradesh; at a few places over West Madhya Pradesh and at isolated places over East Uttar Pradesh, East Madhya Pradesh and Arunachal Pradesh; appreciably above normal (3.1°C to 5.0°C) at most places over Jharkhand; at many places over Konkan & Goa, Vidarbha and Coastal Karnataka; at a few places over Gujarat region, Odisha and West Bengal & Sikkim; above normal (1.6°C to 3.0°C) at most places over Saurashtra & Kutch, Marathwada and Assam & Meghalaya; at many places over Bihar and Nagaland, Manipur, Mizoram & Tripura; at a few places over Coastal Andhra Pradesh & Yanam and at isolated places over Telangana and Tamilnadu, 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 38.0°C was reported at Bhubaneswar (Odisha) over the country.
- Minimum Temperature Departures as on 25-02-2021: Minimum temperatures are markedly above normal (5.1°C or more) at many places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad; at a few places over Rajasthan; appreciably above normal (3.1°C to 5.0°C) at a few places over Himachal Pradesh and West Madhya Pradesh and at isolated places over Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Gujarat and Sub-Himalayan West Bengal & Sikkim; above normal (1.6°C to 3.0°C) at many places over Madhya Maharashtra, Konkan & Goa and Nagaland, Manipur, Mizoram & Tripura; at a few places over Bihar and East Uttar Pradesh and at isolated places over Coastal Karnataka, Assam & Meghalaya and East Madhya Pradesh. They are below normal (-1.6°C to -3.0°C) at many places over Vidarbha and Telangana; at a few places over Odisha and Rayalaseema and at isolated places over Gangetic West Bengal, South Interior Karnataka, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal and near normal over rest parts of the country. The lowest minimum temperature of 7.0°C reported at Shahjahanpur (West Uttar Pradesh) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 25 February (Day 1): Thunderstorm with lightning & hail very likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and with lightning at isolated places over south Tamilnadu, Kerala & Mahe, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and Assam & Meghalaya.
- 26 February (Day 2): Heavy rainfall/snowfall very likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad. 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 and Assam & Meghalaya.
- 27 February (Day 3): Thunderstorm with lightning & hail very likely at isolated places over Uttarakhand and with lightning at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh and Arunachal Pradesh.
- 28 February (Day 4): Thunderstorm with lightning likely at isolated places over Arunachal Pradesh.
- 01 March (Day 5): Thunderstorm with lightning likely at isolated places over Arunachal Pradesh.
- The weather outlook for seven days i.e., 25 Feb to 05 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)

West Bengal

Weather condition:

Weather conditions during the 7th week at Mohanpur, West Bengal: Maximum temperature: 27.0 to 32.8 °C, Minimum temperature: 13.5 to 18.5 °C, bright sun shine hours: 1.0 to 8.4 hours, Morning-time relative Humidity: 87 to 94 %, after noon-time R.H: 36 to 52%, weekly total pan evaporation: 16.4 mm, total weekly rainfall: 0.0 mm and average daily wind speed is 0.97 km/h.

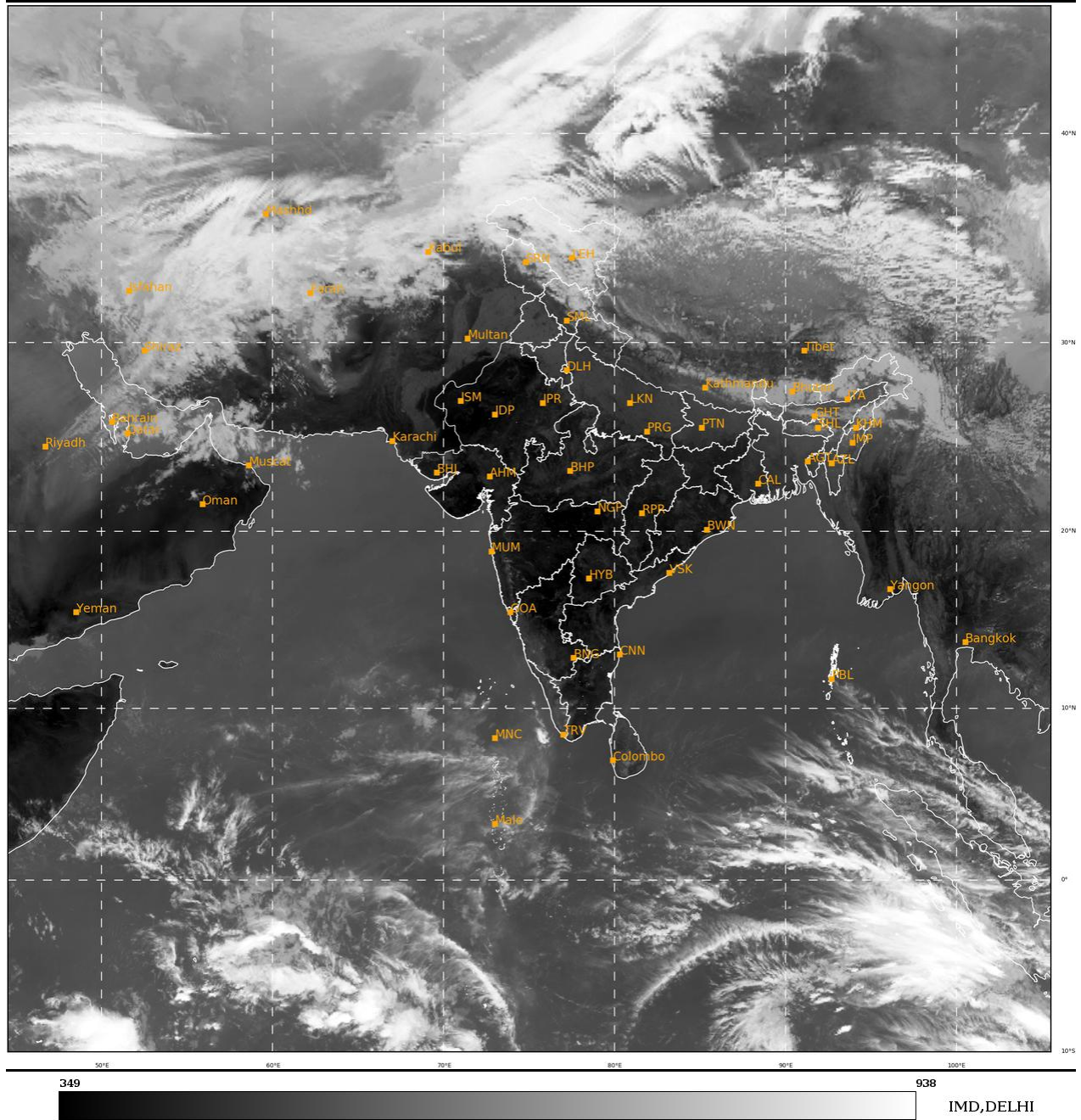
Contingency measure:

- Rice: It is advised to keep water in the field upto 30 days. To control the weeds use one hand weeding or apply Butachlor @ 200gm/bigha after 10-15 DAS. After transplanting of Boro Rice be careful about weed control, insect pest control, fertilizer management etc.

- Mustard: To control blight, spray Mancozeb 2.5 gm/lit of water. Stop irrigation after flower appears. It is advised to prune extra branches to increase yield. To control mustard saw fly, spray Fipronil @ 1ml/lit of water.
- Mango: Spray either Imidachloprid @ 3ml/10 litres of water or Acetamiprid @ 1 ml/litre of water for controlling mango hopper. Apply FYM @ 10-12 kg and Sufala / DAP @ 1 kg per plant.
- Brinjal: To control shoot and fruit borer apply Spinosad @ 1.0 ml/liter at dawn.
- Chilli: For Aphid, white fly and thrips apply Imidacloprid 17.8 SL @ 1ml/5lit. of water.

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

25-02-2021/(0800 to 0827) GMT
 25-02-2021/(1330 to 1357) IST



**Figure: 1. Latest available satellite picture as on 25 February 2021 at 1357 Hrs (IST).
 (Source: IMD).**

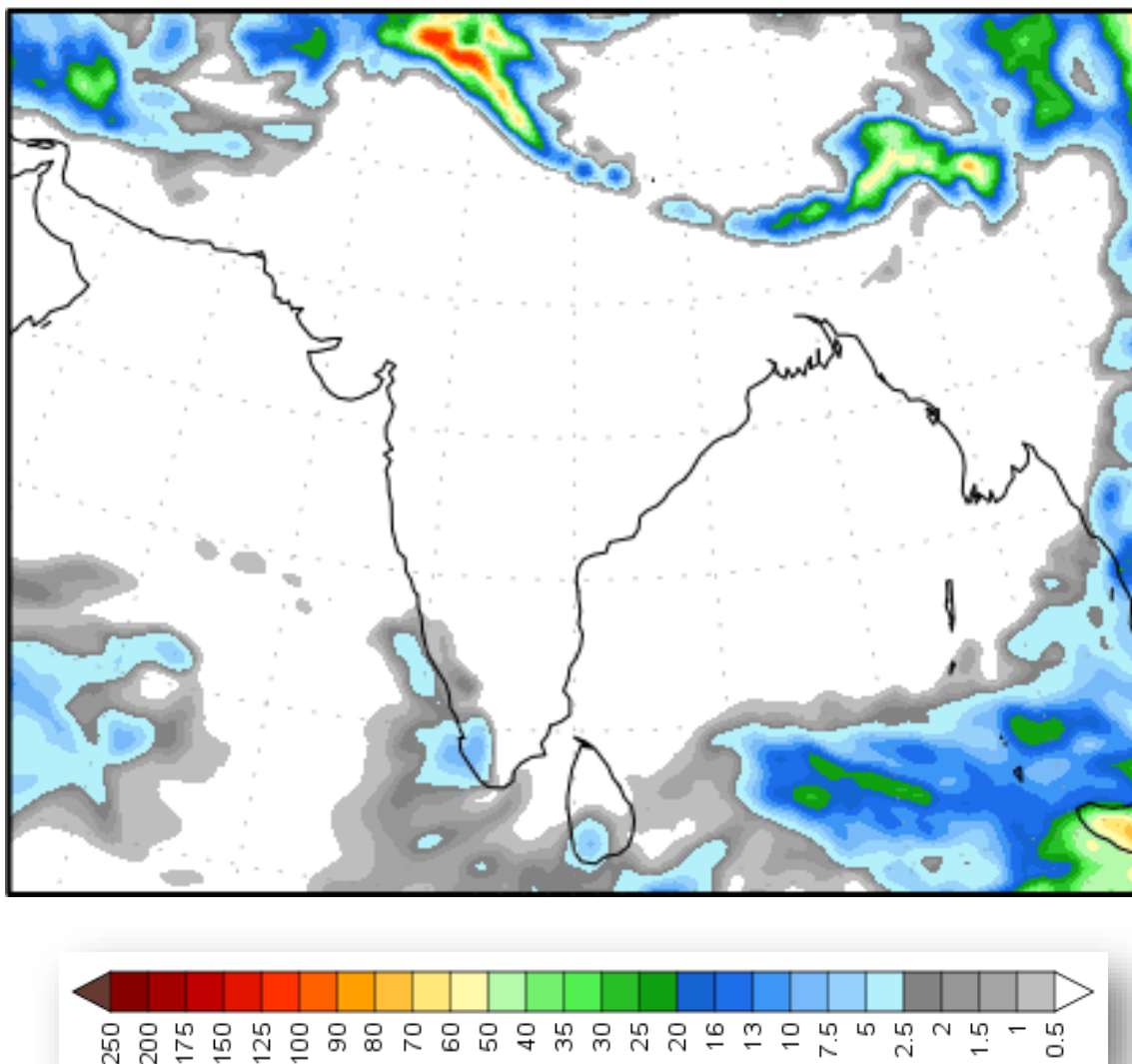


Figure:2. Precipitation forecast for 25 Feb to 05 March 2021 (Source: NOAA NCEP).

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.