

# **All India Coordinated Research Project on Agrometeorology**

## **CRIDA, Santoshnagar, Hyderabad – 500 059**

### **Daily Crop Weather Information as on 27 February 2021**

**Attention: Rajiv Maheshwari, OSD, ICAR**

#### **Significant Weather Features (IMD)**

- Under the influence of a Western Disturbance as a cyclonic circulation over north Pakistan & neighbourhood: (i) Fairly widespread rainfall/snowfall very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad and scattered rainfall/snowfall over Himachal Pradesh and Uttarakhand during next 24 hours; and isolated rainfall/snowfall over these region during subsequent during next 24 hours. (ii) Isolated thunderstorm/lighting and hail very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh & Uttarakhand during next 24 hours.
- A fresh Western Disturbance is likely to affect Western Himalayan Region from the night of 2nd March. Under its influence, isolated rainfall/snowfall with isolated thunderstorm/lighting likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand on 03rd March.
- No significant change in temperatures over most parts of Northwest, West and Central India during next 2 days and fall by 2- 4°C during subsequent 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 most places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad; at many places over Himachal Pradesh and Uttarakhand and isolated places over Punjab, Haryana, West Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Kerala.
- Thunderstorm observed (from 1730 hours IST of yesterday to 0830 hours IST of today): at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Uttarkhand, Punjab, Haryana and Kerala & Mahe.
- Fog observed at 0830 hours IST of today: Dense fog in isolated pockets over Sikkim and shallow fog in isolated pockets over coastal Andhra Pradesh.
- Maximum Temperature Departures as on 26-02-2021: Maximum temperatures were markedly above normal (5.1°C or more) at most places over Punjab,

Haryana, Chandigarh & Delhi, West Rajasthan, West Uttar Pradesh and Uttarakhand; at many places over Himachal Pradesh; at isolated places over East Rajasthan, Madhya Pradesh, East Uttar Pradesh, Gangetic West Bengal and Odisha; appreciably above normal (3.1°C to 5.0°C) at most places over Jharkhand; at many places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Bihar and Vidarbha; at isolated places over Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal; above normal (1.6°C to 3.0°C) at most places over Nagaland, Manipur, Mizoram & Tripura and Chhattisgarh; at many places over Saurashtra & Kutch, Arunachal Pradesh and Telangana; at a few places over Gujarat Region; at isolated places over Rayalseema and Coastal Karnataka. They were below normal (-1.6°C to -3.0°C) at isolated places over Assam & Meghalaya and Andaman & Nicobar Islands and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 40.4°C was reported at Bhubaneswar (Odisha) over the country.

- Minimum Temperature Departures as on 27-02-2021: Minimum temperatures are markedly above normal (5.1°C or more) at most places over Punjab, Haryana, Chandigarh & Delhi, Rajasthan and West Madhya Pradesh; at a few places over Himachal Pradesh; at isolated places over Uttar Pradesh, Saurashtra & Kutch, Sub-Himalayan West Bengal & Sikkim and Nagaland, Manipur, Mizoram & Tripura; appreciably above normal (3.1°C to 5.0°C) at most places over Uttarakhand, remaining parts of Uttar Pradesh; at a few places over Gujarat region; at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Bihar, East Madhya Pradesh, Arunachal Pradesh and Assam & Meghalaya; above normal (1.6°C to 3.0°C) at a few places over Madhya Maharashtra, Lakshadweep, North Interior Karnataka, Kerala and Jharkhand; at isolated places over Gangetic West Bengal, Odisha, north Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. They are below normal (-1.6°C to -3.0°C) at isolated places over South Interior Karnataka and Rayalaseema and near normal over rest parts of the country. Today, the lowest minimum temperature of 7.4°C reported at Ludhiana (Punjab) over the plains of the country.

### **Weather Warning during the next 5 days (IMD)**

- 27 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 Punjab, Arunachal Pradesh, Assam & Meghalaya, Nagaland and Kerala & Mahe.

- 28 February (Day 2): Thunderstorm with lightning very likely at isolated places over Arunachal Pradesh and Kerala & Mahe.
- 01 March (Day 3): Thunderstorm with lightning very likely at isolated places over Arunachal Pradesh.
- 02 March (Day 4): Thunderstorm with lightning likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and Arunachal Pradesh.
- 03 March (Day 5): Thunderstorm with lightning likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand and Arunachal Pradesh.
- The weather outlook for seven days i.e., 27 Feb to 07 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)**

### **Western U.P**

#### **Weather condition:**

Light Cloud appearing during 24 to 25 Feb., rest days clear sky and no rainfalls forecast from 24 to 28 February, 2021. Weather will be mainly dry during these days. Maximum and minimum temperature may be 4.0- 5.00C higher than its normal, where as wind velocity range may be expected 7.6 to 13.4 kmph prevailing North- westerly which may be 4 to 5 kmph higher than its normal during this week as per forecast.

#### **Contingency measure:**

- Wheat: As per forecast maximum temperature 4.0-5.00C higher and North westerly wind prevailing during this week, farmers are advised to light irrigation should be done at PI , Flowering and Anthesis stage. Top dressing of urea at optimum moisture at PI stages.
- Barley :As per forecast higher day and night temperature with North westerly wind prevailing during this week, farmers are advised to light irrigation should be done at PI , Flowering and Anthesis stage
- Rabi maize: Farmers are advised to light irrigation should be done at Earring/ Silking/Cobbing stage of maize crop and top dressing of Urea at optimum moisture during silking stage.
- Pigeon pea: Watchful insect and pest due to cloudy weather and high temperature during this week. If seen pad borer spray Fenvelret 20% EC @2.0 lt. or Novaluron 10% EC @ 750 ml / ha with 500 to 600 lt. water solution

- Pea :Watchful insect and pest due to cloudy weather and high temperature during this week. If seen pad borer spray Fenvelret 20% EC @2.0 lt. or Novaluron 10% EC @ 750 ml / ha with 500 to 600 lt. water solution .
- Gram: Watchful insect and pest due to cloudy weather and high temperature during this week. If seen pad borer spray Fenvelret 20% EC @2.0 lt. or Novaluron 10% EC @ 750 ml / ha with 500 to 600 lt. water solution .
- Lentil:Watchful insect and pest due to cloudy weather and high temperature during this week. If seen Aphid, spray Imidachlorprid 17.8%S L@ 300ml./ha with 500 to 600 lt. water solution .
- Mustard:Harvest mature mustard crop and watchful insect and pest in late sown crop due to cloudy weather and high temperature during this week. If seen Aphid, spray Imidachlorprid 17.8%S L@ 300ml./ha with 500 to 600 lt. water solution .
- Linseed: Watchful insect and pest due to cloudy weather and higher temperature.
- Brinjal / Chilies: Pick up mature fruits in standing crop. Watchful insect and pest due to cloudy weather and higher temperature.
- Leafy Vegetable: Cutting, marketing, watchful insect and pest due to cloudy weather and higher temperature.
- Potato: Dig out early son crop and dry in shade.
- Barseem :Third cutting should be taken up and top dressing of 20 kg urea at optimum moisture.
- Animal: Balanced diet should be given for milch animal. To protect from the heat of cow/ buffalo calf. Bathing should be taken up at morning and evening. Clean water should be provided 3-4 times in the day. The routine immunization of animals becomes necessary since disease decrease milk production capacity among milch animals if need concerned near Veterinary hospital.

SAT : INSAT-3D IMG  
IMG\_TIR1 10.8 um  
L1C Mercator

27-02-2021/(0800 to 0827) GMT  
27-02-2021/(1330 to 1357) IST

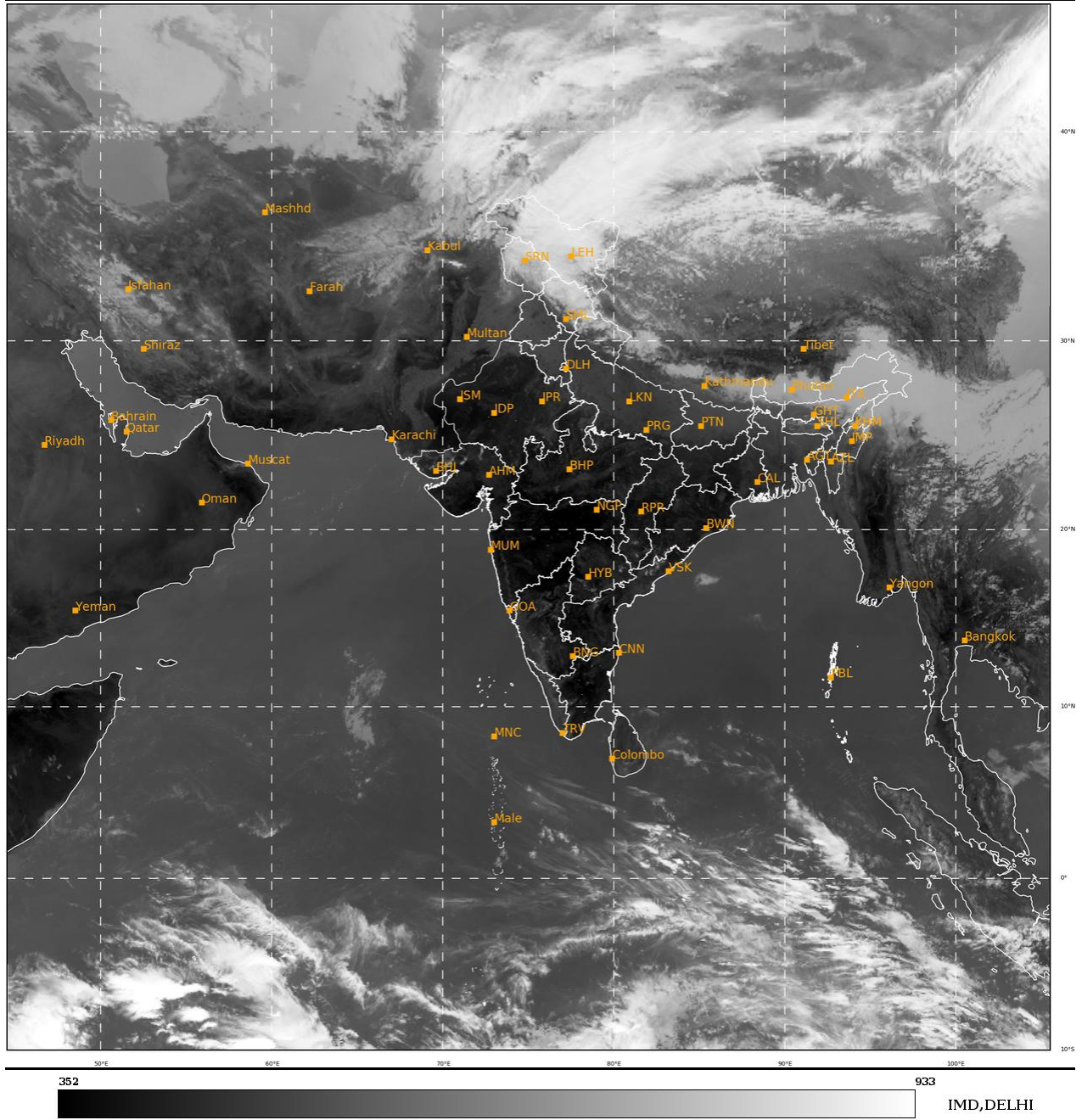
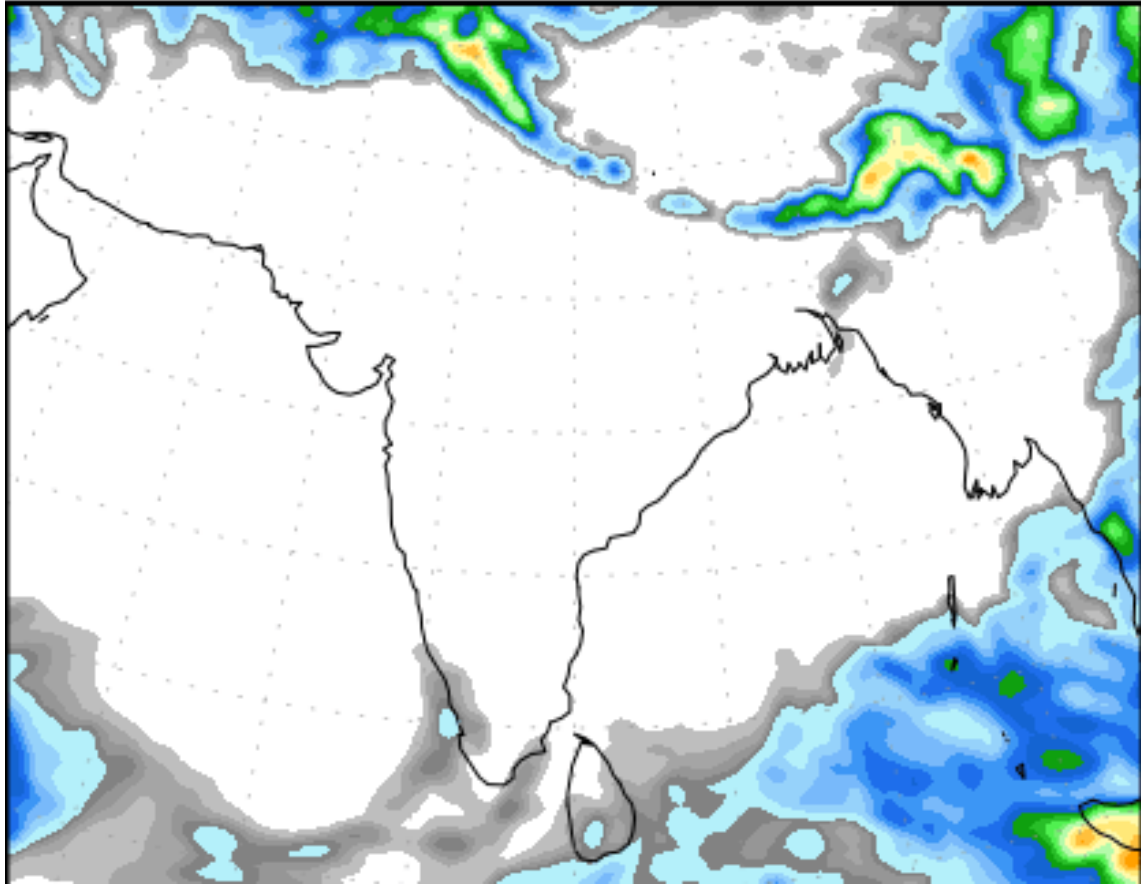


Figure: 1. Latest available satellite picture as on 27 February 2021 at 1357 Hrs (IST).  
(Source: IMD).



**Figure:2. Precipitation forecast for 27 Feb to 07 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.*