

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 25 February 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Rainfall activity has enhanced over east & northeast India due to development of conducive conditions for moisture incursion and wind confluence in the lower levels and divergence in the upper levels. Scattered to fairly widespread/widespread rainfall with isolated thundersqualls, hailstorms & lightning are very likely over Jharkhand, West Bengal, north Odisha, Assam & Meghalaya, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura during next 3 days. Fairly widespread to widespread rainfall activity with isolated thundersqualls are likely to continue over northeastern states on 28th February as well.
- Isolated heavy rainfall is very likely over north Odisha and Gangetic West Bengal today; over Sub-Himalayan West Bengal on 27th and over Arunachal Pradesh and Assam & Meghalaya on 27th & 28th.
- A fresh western disturbance along with its induced cyclonic circulation is very likely to affect northwest India from tomorrow. Fairly widespread to widespread rain/snow along with isolated thunderstorms/hailstorms are likely over western Himalayan region on 25th & 26th and fairly widespread to widespread rainfall with isolated thunderstorms/hailstorms over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and north Rajasthan during the same period. Peak activity is likely to happen on 26th February.
- Strong surface winds speed reaching 30-40 kmph gusting to 50 kmph are likely over plains of northwest India, mainly over Punjab, Haryana and West Rajasthan on 26th February.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rain/Snow (from 0830 hrs IST of yesterday to 0830 hrs IST of today): Rain/Snow occurred at a few places over Jammu & Kashmir and at isolated places over Himachal Pradesh. Rain/ Thundershowers occurred at most places over Gangetic West Bengal and Jharkhand; at many places over Odisha; at a few places over

Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Chhattisgarh and at isolated places over Assam & Meghalaya, Uttar Pradesh and Madhya Pradesh.

- Maximum temperature departures as on 24.02.2019: Maximum temperatures were markedly above normal (5.1°C or more) at a few places over Vidarbha & Rayalaseema; appreciably above normal (3.1°C to 5.0°C) at most places over Madhya Maharashtra, Marathwada, Telangana, Interior Karnataka; at many places over Odisha & Chhattisgarh; at a few places over Jammu & Kashmir & Coastal Andhra Pradesh and at isolated places over Assam & Meghalaya, Gangetic West Bengal, Jharkhand, Madhya Pradesh, Tamilnadu & Puducherry and Coastal Karnataka; above normal (1.6°C to 3.0°C) at many places over Konkan & Goa and Kerala and at isolated places over East Rajasthan. They were appreciably below normal (-3.1°C to -5.0°C) at many places over East Uttar Pradesh; below normal (-1.6°C to -3.0°C) at many places over West Uttar Pradesh; at a few places over Himachal Pradesh, Haryana, Chandigarh & Delhi and Bihar and at isolated places over Andaman & Nicobar Islands and near normal over rest parts of the country.
- Yesterday, the highest maximum temperature of 39.9°C was recorded at Kurnool (Rayalaseema) over the country.
- Minimum temperature departures as on 25.02.2019: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at isolated places over Assam & Meghalaya, Bihar, Odisha, Chhattisgarh and Telangana; above normal (1.6°C to 3.0°C) at most places over Sub- Himalayan West Bengal & Sikkim; at many places over Madhya Maharashtra and Saurashtra & Kutch; at a few places over Nagaland, Manipur, Mizoram & Tripura and Vidharbha; at isolated places over Arunachal Pradesh, East Madhya Pradesh, Marathwada and Andaman & Nicobar Islands. They are appreciably below normal (-3.1°C to -5.0°C) at a few places over Haryana, Chandigarh & Delhi; at isolated places over Jammu & Kashmir, West Uttar Pradesh and Gangetic West Bengal; below normal (-1.6°C to -3.0°C) at many places over Himachal Pradesh, Punjab and Lakshadweep; at a few places over Gujarat Region, Konkan & Goa, East Rajasthan, West Madhya Pradesh and Coastal Karnataka and at isolated places over West Rajasthan, South Interior Karnataka, Kerala and Tamilnadu & Puducherry and near normal over rest parts of the country.
- The lowest minimum temperature of 5.8°C recorded at Adampur (Punjab) over the plains of the country.

Weather Warning during next 5 days (IMD)

- 25 February (Day 1): Thundersquall accompanied with Hailstorm & lightning at isolated places very likely over Jharkhand, Gangetic West Bengal and Odisha. Thunderstorm accompanied with Hailstorm & lightning at isolated places very likely over Jammu & Kashmir, Punjab

- and West Rajasthan. Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over Madhya Pradesh, Chhattisgarh, Sub-Himalayan West Bengal, Bihar, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Arunachal Pradesh. Heavy rain at isolated places very likely over north Odisha and Gangetic West Bengal. Squally winds speed reaching 40-50 kmph very likely over northwest Bay of Bengal off north Odisha-West Bengal Coasts. Fishermen are advised not to venture into these areas.
- 26 February (Day 2): Thundersquall accompanied with lightning at isolated places very likely over Gangetic West Bengal. Thunderstorm accompanied with Hailstorm & lightning at isolated places very likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and Rajasthan. Thunderstorm accompanied with lightning & gusty winds at isolated places likely over West Madhya Pradesh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Arunachal Pradesh. Squally winds speed reaching 40-50 kmph very likely over northwest Bay of Bengal off north Odisha-West Bengal Coasts and strong winds speed reaching 35-45 kmph over northeast Arabian Sea off north Gujarat Coast. Fishermen are advised not to venture into these areas.
- 27 February (Day 3): Thundersquall accompanied with Hailstorm & lightning at isolated places very likely over Sub- Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura and Assam & Meghalaya; Thundersquall & lightning at isolated places likely over Bihar. Thunderstorm accompanied with Hailstorm, gusty winds & lightning at isolated places very likely over Uttarakhand and Uttar Pradesh. Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over Gangetic West Bengal and Odisha. Heavy rain at isolated places very likely over Sub-Himalayan West Bengal, Arunachal Pradesh and Assam & Meghalaya. Squally winds speed reaching 40-50 kmph very likely over northwest Bay of Bengal off north Odisha-West Bengal Coasts. Fishermen are advised not to venture into these areas.
- 28 February (Day 4): Thundersquall accompanied with Hailstorm & lightning at isolated places likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Heavy rain at isolated places likely over Arunachal Pradesh and Assam & Meghalaya. Cold day conditions are likely to prevail in some parts of Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Rajasthan and West Madhya Pradesh.
- 01 March (Day 5): Cold day conditions are likely to prevail in some parts of West Madhya Pradesh.
- The weather outlook for the period of seven days *i.e.* 25 February to 04 March 2019 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from*

<http://monsoondata.org/wx2/>) rain/thundershower may occur over Jammu & Kashmir, Himachal Pradesh, Gangetic West Bengal, Uttar Pradesh, Madhya Pradesh, Jharkhand, Odisha, Chhattisgarh and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

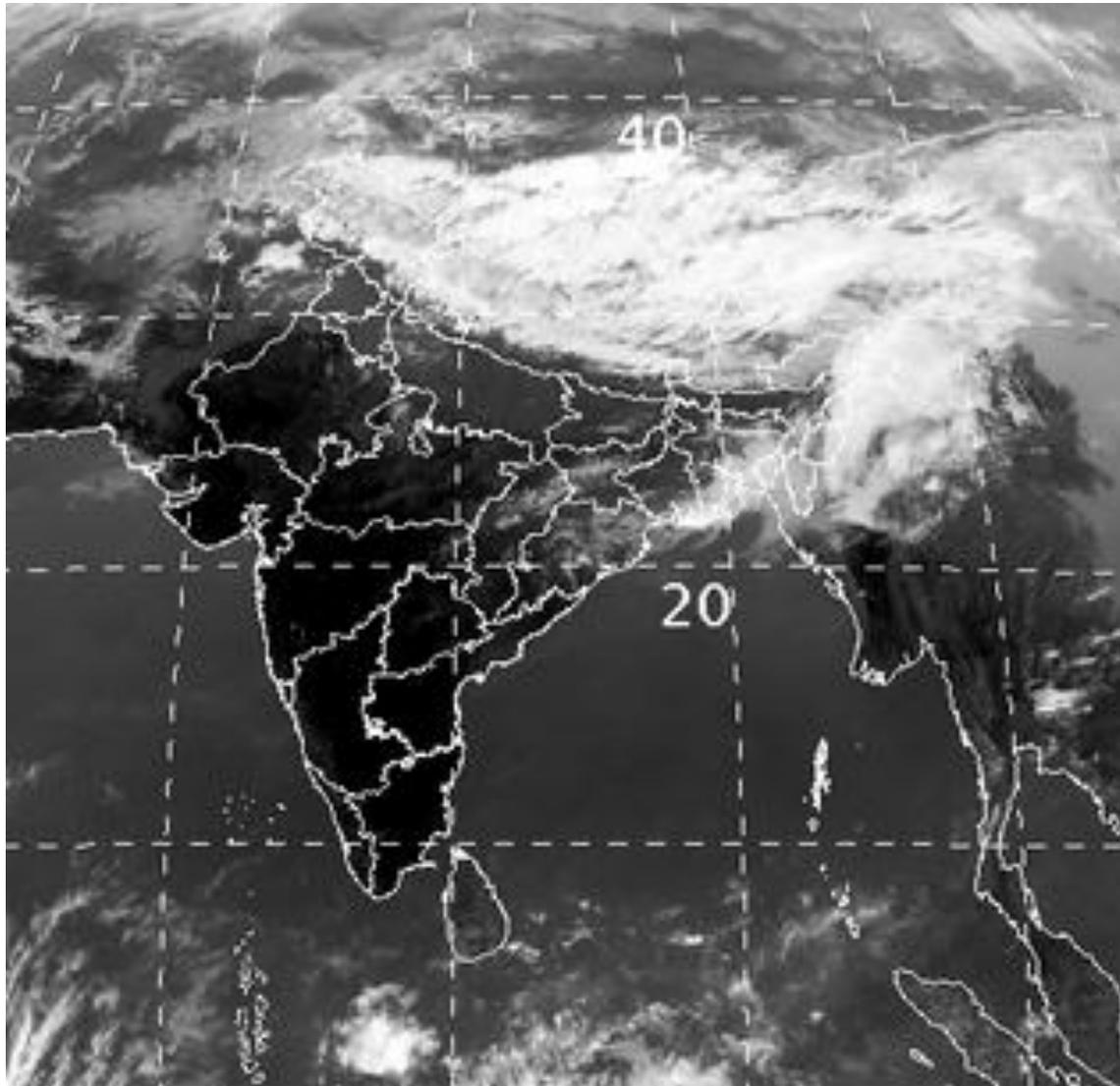
Haryana

Weather condition:

Dry weather prevailed in Haryana state during past few days. Maximum temperature was recorded below the normal except 22nd February. Minimum temperature was recorded above the normal, except from 20th & 22nd February.

Contingency measure:

- General Advisory: Weather likely to be variable/partly cloudy till 25th February. Fog may prevalent during late evening and early morning hours; and mainly clear sky thereafter. Due to WD, chances of light to moderate rainfall with thunderstorm/lightening with moderate winds at isolated places during 26th to 27th February.
- Mustard: Due to WD, farmers are advised to temporarily withhold irrigation and chemical spray till 27th February in mustard crop.
- Wheat (Gehun) & Barley (Jau): Due to WD, farmers are advised to temporarily withhold irrigation till 27th February in the crops. GRAM: Due to WD, farmers are advised to temporarily withhold irrigation and chemical spray till 27th February in the gram crop.
- Berseem (Egyptian Clover), Oat: Keep weather in mind while cutting of berseem crop for fodder to feed the livestock. Temporarily withhold irrigation in berseem crop till 27th February.
- Sugarcane: Farmers are advised to keep on vigilance for insect/pests in sugarcane crop. Temporarily withhold irrigation in berseem crop till 27th February.
- Vegetables Crops: Due to WD, farmers are advised to withhold irrigation till temporarily withhold irrigation in berseem crop till 27th February in the existing vegetable crops. Farmers are also advised to keep monitoring for pest/ diseases.
- Live Stock: Due to fall in night temperature, high winds and cloudy conditions keep the animals under shed. Keep proper arrangement to keep warm in shed. Provide 50 grams iodized salt and 50 to 100 grams mineral mixture daily with animal feed/fodder to keep them healthy. Put curtain on windows of poultry house to keep inside warm during night.



**Figure: 1. Latest available satellite picture as on 25 February 2019 at 0230 Hrs (IST).
(Source: IMD).**

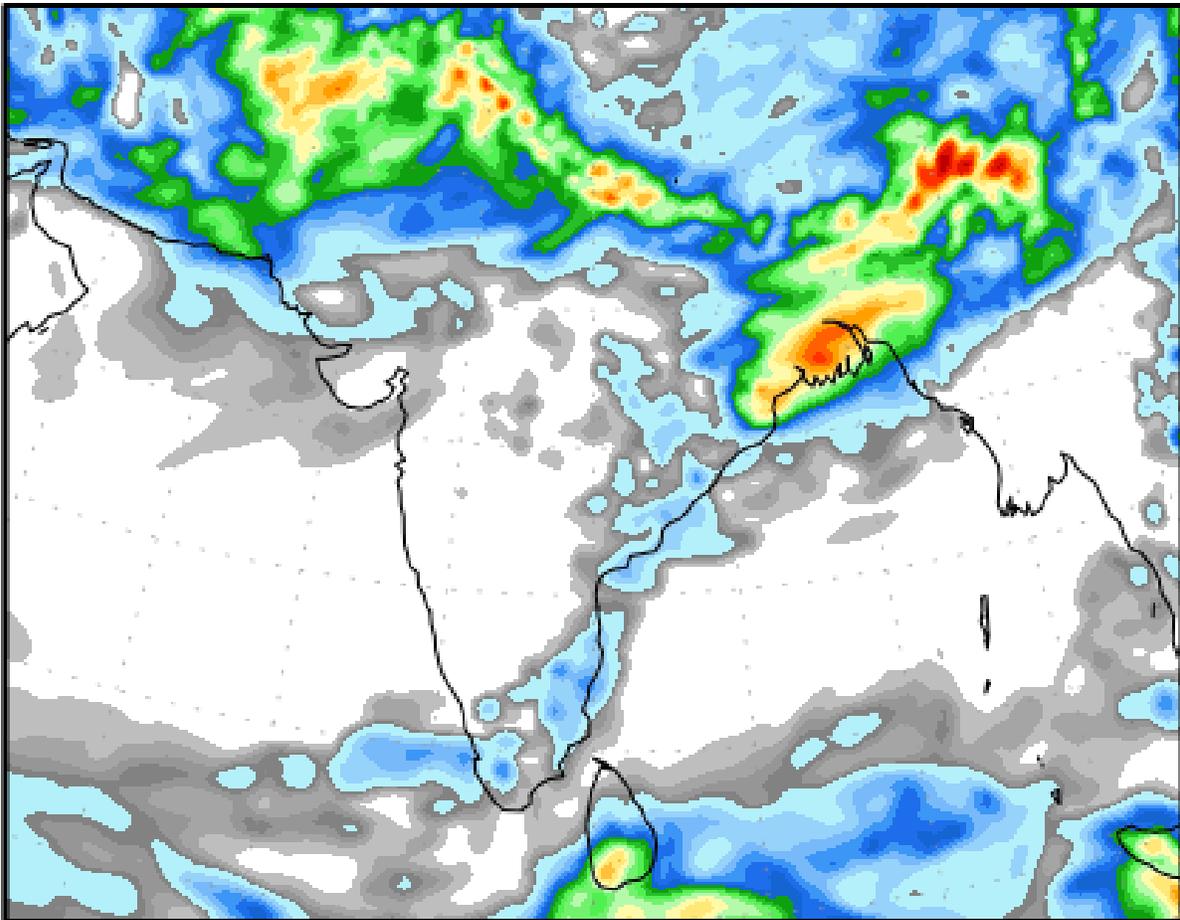


Figure: 2. Precipitation forecast for 25 February to 04 March 2019 (Source: NOAA NCEP).