

All India Coordinated Research Project on Agrometeorology, CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 15 February 2019

Significant Weather Features (IMD)

- The current Western Disturbance and its associated circulation features has weakened from today morning. As a result, the severity and spatial extent of weather over northwest India is very likely to reduce from today evening. Scattered to fairly widespread rain/thundershowers with isolated hailstorms, gusty winds and lightning are likely over Uttarakhand, Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand, Odisha and West Bengal & Sikkim today.
- It is very likely that a fresh Western Disturbance in quick succession could affect western Himalayan region from 17th February and northern plains from 18th February, once again resulting in severe weather over the western Himalayan region during 19th-21st February.
- The images showing the latest satellite picture in **Fig. 1**.

Main Weather Observations (IMD)

Rain/snow/thundershowers observed (from 0830 hrs IST of yesterday to 0830 hrs IST of today):

- Rainfall/snowfall observed at most places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand.
- Rain/thundershowers occurred at most places over Uttar Pradesh; at many places over Punjab and Haryana, Chandigarh & Delhi; at a few places over East Madhya Pradesh and at isolated places over West Madhya Pradesh, Bihar and Tamil Nadu.
- Rainfall/Snowfall recorded (1 cm and more) at 0830 hours IST of today are: Dharamsala & Manali-4 each; Baderwah & Mandi-3 each; Pahalgan, Batote, Banihal, Katra, Jammu, Bhuntar, Sundernagar and Mukteshwar-2 each; Srinagar, Gulmarg, Quazigund, Kalpa, Shimla, Solan, Nahan, Tehri and Dehradun-1 each; Rainfall; Amritsar-3; Ludhiana, Ambala, Safdarjung, Najibabad, Meerut, Fursatganj, Satna and Rewa- 1 each.
- Dense to very dense fog observed at isolated places over West Rajasthan; Moderate fog at isolated places over Jammu & Kashmir, Himachal Pradesh Uttarakhand, Haryana, Uttar Pradesh, Assam & Meghalaya, Odisha and Coastal Andhra Pradesh. The Visibility observed at 0830 hours IST of today; Ganganagar-25 M; Kalpa, Jhansi and Paradip-200 M each; Kupwara, Qazigund, Batote, Mandi, Tehri, Pantnagar , Hissar, Bhiwani, Narnaul, Bikaner, Kanpur, Majbat, Puri and Bapatla- 500 M each.

Maximum temperature departures as on 14-02-2019:

- Maximum temperatures were markedly above normal (5.1 °C or more) at many places over Jharkhand; at a few places over Assam & Meghalaya;
- Appreciably above normal (3.1 °C to 5.0 °C) at many places over East Rajasthan and Vidarbha; at a few places Arunachal Pradesh, West Bengal & Sikkim and Nagaland, Manipur, Mizoram & Tripura and at isolated places over West Rajasthan, Marathwada, Saurashtra & Kutch, Konkan & Goa and Tamil Nadu & Puducherry;
- Above normal (1.6 °C to 3.0 °C) at many places over Madhya Pradesh, Karnataka, Rayalaseema and Chhattisgarh; at a few places Andaman & Nicobar Islands, Odisha, Madhya Maharashtra and Kerala; at isolated places Telangana;
- They were appreciably below normal (-3.1 °C to -5.0 °C) at a few places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand and Uttar Pradesh;
- Below normal (-1.6 °C to -3.0 °C) at most places over Haryana, Chandigarh & Delhi; at isolated places over Bihar & Gujarat region and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 36.9 °C was recorded at Kochi (Kerala) over the country.

Minimum temperature departures as on 15-02-2019:

- Minimum temperatures are markedly above normal (5.1 °C or more) at isolated places over Uttarakhand, Assam & Meghalaya and South Interior Karnataka;
- Appreciably above normal (3.1 °C to 5.0 °C) at a few places over Punjab, Himachal Pradesh, Rajasthan, East Uttar Pradesh, Bihar, Madhya Pradesh, Marathwada, madhya Maharashtra and Andaman & Nicobar Islands; at isolated places over Haryana, Chandigarh & Delhi, Sub-Himalayan West Bengal & Sikkim and Vidarbha.
- They are appreciably below normal (-3.1 °C to -5.0 °C) at a few places over Odisha; at isolated places over coastal Andhra Pradesh; below normal (-1.6 °C to -3.0 °C) at isolated places over Chhattisgarh and near normal over rest parts of the country. The lowest minimum temperature of 8.0 °C recorded at Amritsar (Punjab) over the plains of the country.

Weather Warning during next 5 days (IMD)

15 February (Day 1):

- Thunderstorm accompanied with hailstorm, lightning and gusty winds at isolated places very likely over Uttarakhand, Uttar Pradesh, East Madhya Pradesh, Jharkhand, Vidarbha and Chhattisgarh.

- Thunderstorm accompanied with lightning and gusty winds at isolated places very likely over Bihar, West Bengal & Sikkim and Interior Odisha.
- Dense fog at isolated places in the morning hours very likely over Coastal Odisha, North Rajasthan and Punjab.

16 February (Day 2):

- Thunderstorm accompanied with hailstorm, lightning and gusty winds at isolated places very likely over Odisha and Chhattisgarh.
- Thunderstorm accompanied with lightning and gusty winds at isolated places very likely over Bihar, Jharkhand, south Kerala, Interior Tamil Nadu, Arunachal Pradesh, Assam & Meghalaya and West Bengal & Sikkim.

17 February (Day 3):

- Thunderstorm accompanied with gusty winds and lightning at isolated places very likely over south Tamil Nadu, south Kerala, Nagaland, Manipur, Mizoram & Tripura, Arunachal Pradesh and Assam & Meghalaya.

18 February (Day 4):

- Thunderstorm accompanied with hailstorm and gusty winds at isolated places likely over Jammu & Kashmir and Himachal Pradesh.

19 February (Day 5):

- Heavy rain/snow at isolated places likely over Jammu & Kashmir and Himachal Pradesh.
- Thunderstorm accompanied with hailstorm and gusty winds at isolated places likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand.

The weather outlook for the period of seven days *i.e* 15 February to 23 February 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, Uttarakhand, Uttar Pradesh, Sub Himalayan West Bengal & Sikkim, Jharkhand, Madhya Pradesh, Odisha, Chhattisgarh, Maharashtra, Telangana, Andhra Pradesh, Karnataka, Kerala, Tamilnadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (**Fig. 2**).

Agricultural activities (AICRPAM-CRIDA)

Haryana

Weather condition:

- No rainfall recorded in the state in the past few days. The maximum and minimum temperatures were ranged between 13.0 to 20.8 °C and 1 to 9 °C, respectively.

Contingency measure:

- **General Advisory:** Weather likely to be variable during the period. Due to WD, chances of light to moderate rainfall with thunderstorm/lightening with moderate winds at isolated places during 13th to 15th February. Fog may prevalent during late evening and early morning hours.
- **MUSTARD:** Due to WD, farmers are advised to temporarily withhold irrigation and chemical spray till 15th February in mustard crop.
- **WHEAT (GEHUN) & BARLEY (JAU):** Due to WD, farmers are advised to temporarily withhold irrigation and herbicides till 15th February in the crops.
- **GRAM:** Due to WD, farmers are advised to temporarily withhold irrigation and chemical spray till 15th 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 15th February.
- **SUGARCANE:** Farmers are advised to keep on vigilance for insect/pests in sugarcane crop. Temporarily withhold irrigation in berseem crop till 15th February.
- **VEGETABLES CROPS:** Due to WD, farmers are advised to withhold irrigation till temporarily withhold irrigation in berseem crop till 15th 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.

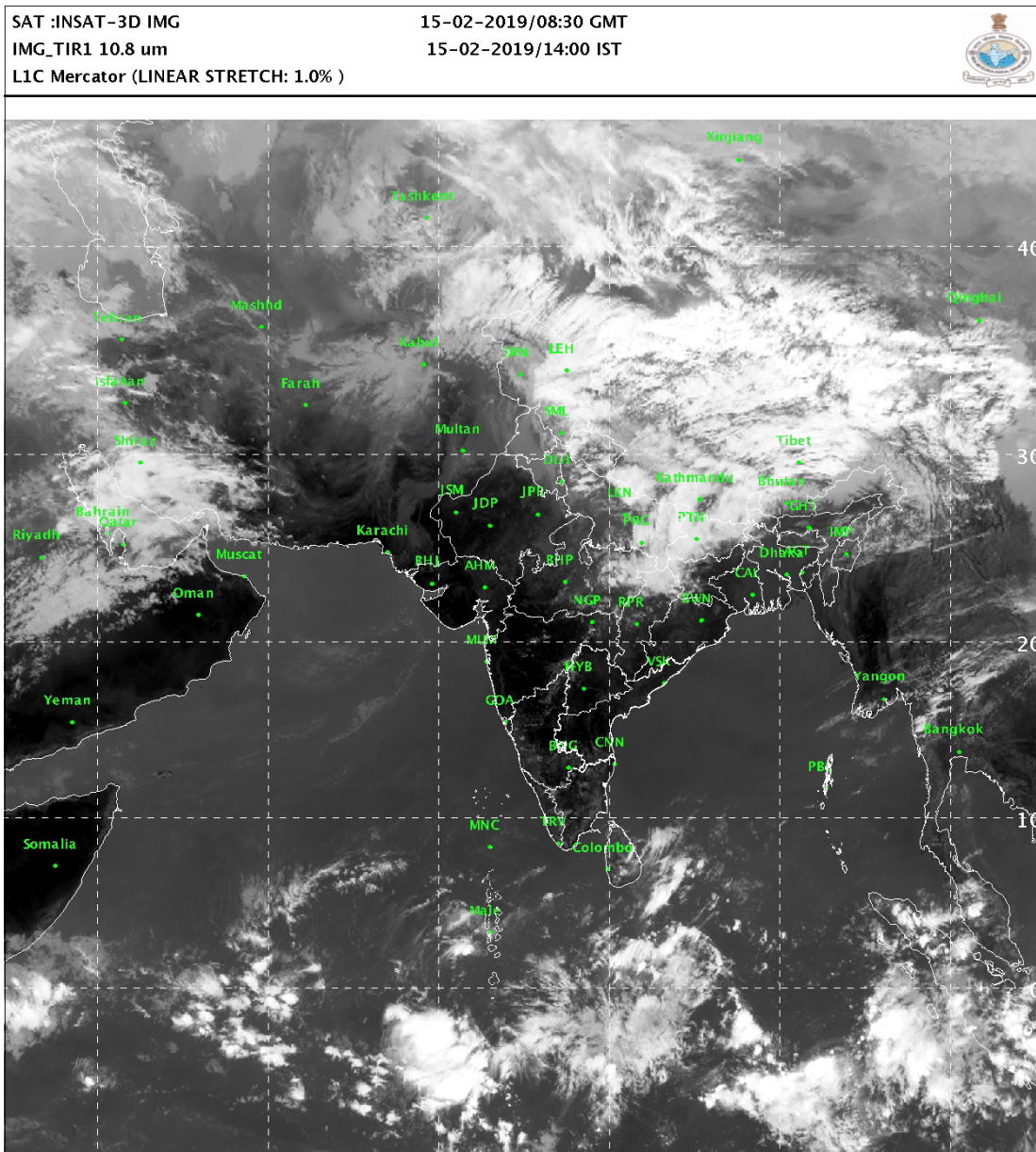


Fig. 1: Latest available satellite picture as on 15 February 2019 at 14 00 Hrs (IST).

(Source: IMD)

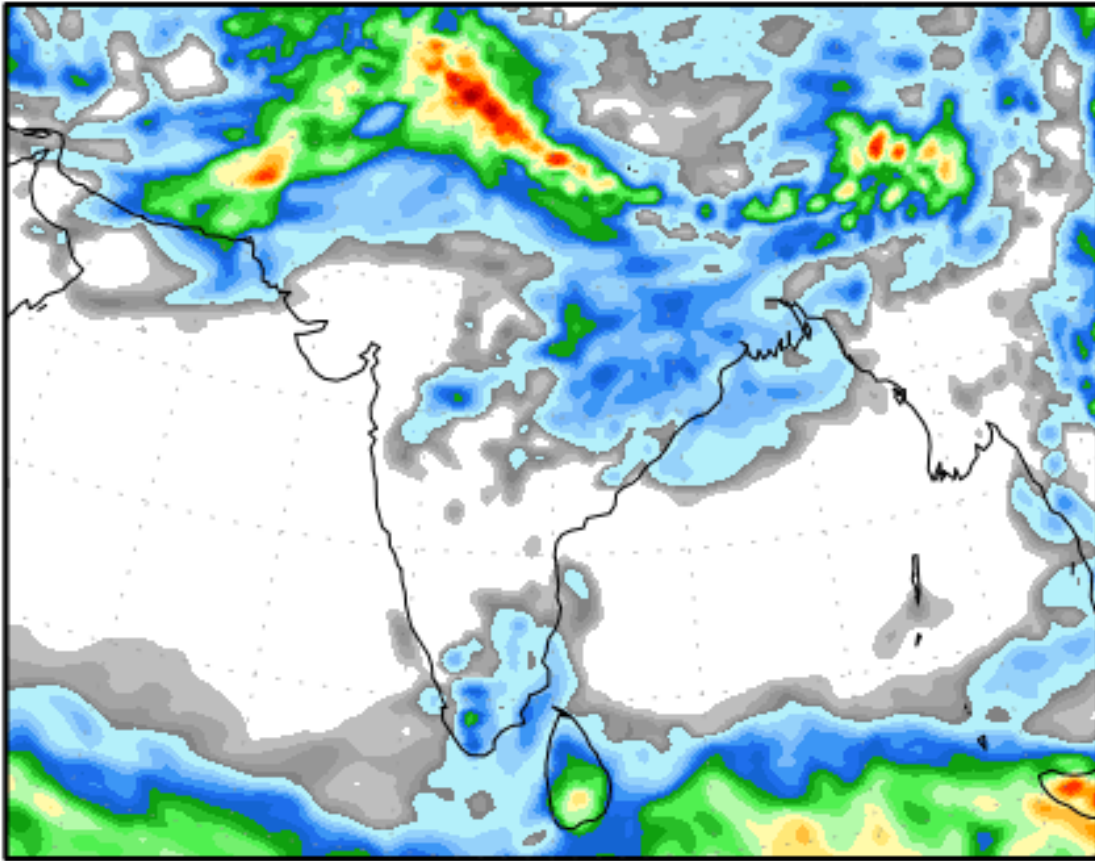


Fig. 2: Precipitation forecast for 13 February to 23 February 2019 (Source: NOAA NCEP).