

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 16 March 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Strong wind confluence and moisture incursion in the lower levels and conducive upper level features are likely to cause scattered to fairly widespread rainfall with Isolated thunder squalls/hailstorms & lightning over north Chhattisgarh, Gangetic West Bengal, north Odisha, Jharkhand and adjoining Bihar on 17th and with reduced intensity on 18th March.
- Isolated to scattered Rain/thundershowers are likely over Northeast India during next 5 days with a likely increase in spatial distribution during the last two days. Isolated thunderstorms, gusty winds and lightning are likely to occur over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 2 days.
- A fresh spell of enhanced rain/snow is likely over Western Himalayan Region on 19th & 20th March in association with another Western Disturbance.
- Rough sea conditions are likely to prevail along the coast of Lakshadweep, Kerala, south Tamilnadu, Karnataka, Maharashtra, Goa and Gujarat on 17th and along the coast of Andaman & Nicobar Islands on 18th March. Fishermen are advised not to venture into these areas on 17th & 18th respectively.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rain/snow observed (from 0830 hours IST of yesterday to 0830 hours IST of today) : at isolated places over Jammu & Kashmir and Himachal Pradesh, Arunachal Pradesh, Gangetic West Bengal and Jharkhand; at a few places over Odisha and at isolated places over Sub-Himalayan West Bengal & Sikkim, Bihar, Madhya Pradesh and Chhattisgarh.
- Maximum temperature departures as on 15.03.2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Rayalaseema, Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim; above normal (1.6°C to

3.0°C) at most places over Coastal Andhra Pradesh and Telangana; at many places over Chhattisgarh and Nagaland, Manipur, Mizoram & Tripura; at a few places over Lakshadweep, Kerala, Tamilnadu & Puducherry, South Interior Karnataka, Vidarbha, Madhya Maharashtra, Konkan & Goa and Saurashtra & Kutch and at isolated places over Odisha, Marathawada and Jammu & Kashmir. They were appreciably below normal (-3.1°C to -5.0°C) at most places over East Rajasthan; at many places over Punjab, west Rajasthan, Haryana, Chandigarh & Delhi; at a few places over Andaman & Nicobar Islands and Madhya Pradesh; below normal (-1.6°C to -3.0°C) at most places over Gujarat region and West Uttar Pradesh and at isolated places over Himachal Pradesh, Uttarakhand, Bihar, Jharkhand and East Uttar Pradesh and near normal over rest parts of the country.

- Yesterday, the highest maximum temperature of 40.5°C was recorded at Anantapur (Rayalaseema) over the country.
- Minimum temperature departures as on 16.03.2019: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at many places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim; at a few places over Bihar and at isolated places over Odisha; above normal (1.6°C to 3.0°C) at many places over North Interior Karnataka; at a few places over Andaman & Nicobar Islands, Vidarbha and Telangana and at isolated places over East Uttar Pradesh, Madhya Maharashtra, Marathawada and Telangana, Rayalaseema and Tamilnadu & Puducherry. They are appreciably below normal (-3.1°C to -5.0°C) at a few places over Haryana, Chandigarh & Delhi and West Madhya Pradesh; below normal (-1.6°C to -3.0°C) at many places over Rajasthan and Konkan & Goa; at a few places over Odisha, Jammu & Kashmir, Himachal Pradesh, East Madhya Pradesh and Saurashtra & Kutch; at isolated places over Gangetic West Bengal, West Uttar Pradesh, Gujarat Region, South Interior Karnataka and near normal over rest parts of the country. The lowest minimum temperature of 7.8°C recorded at Amritsar (Punjab) over the plains of the country.

Weather Warning during next 5 days (IMD)

- 16 March (Day 1): Thunderstorm accompanied with hailstorm, lightning & gusty winds at isolated places very likely over Arunachal Pradesh and east Assam. Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over Sikkim, Jharkhand, north Chhattisgarh and Nagaland, Manipur, Mizoram & Tripura.
- 17 March (Day 2): Thundersquall accompanied with hailstorm & lightning at isolated places very likely over north Chhattisgarh, Jharkhand, Gangetic West Bengal and north Odisha. Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over East Madhya Pradesh, Vidarbha, Bihar and north

Coastal Andhra Pradesh. Heavy rain at isolated places very likely over Jharkhand and Odisha.

- 18 March (Day 3): Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over Chhattisgarh, Jharkhand, West Bengal & Sikkim and south Kerala.
- 19 March (Day 4): Thunderstorm accompanied with hailstorm, lightning & gusty winds at isolated places likely over Jammu & Kashmir and Himachal Pradesh. Thunderstorm accompanied with lightning & gusty winds at isolated places likely over Punjab, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Kerala.
- 20 March (Day 5): Thunderstorm accompanied with hailstorm, lightning & gusty winds at isolated places likely over Jammu & Kashmir, Himachal Pradesh and Uttarakhand. Thunderstorm accompanied with lightning & gusty winds at isolated places likely over Punjab, Haryana, Chandigarh & Delhi, Gangetic West Bengal, Odisha, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Heavy rain at isolated places likely over Arunachal Pradesh.
- The weather outlook for the period of seven days *i.e* 16 to 23 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, Arunachal Pradesh, Gangetic West Bengal Sub-Himalayan West Bengal & Sikkim, Bihar, Jharkhand, Madhya Pradesh, Chhattisgarh and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

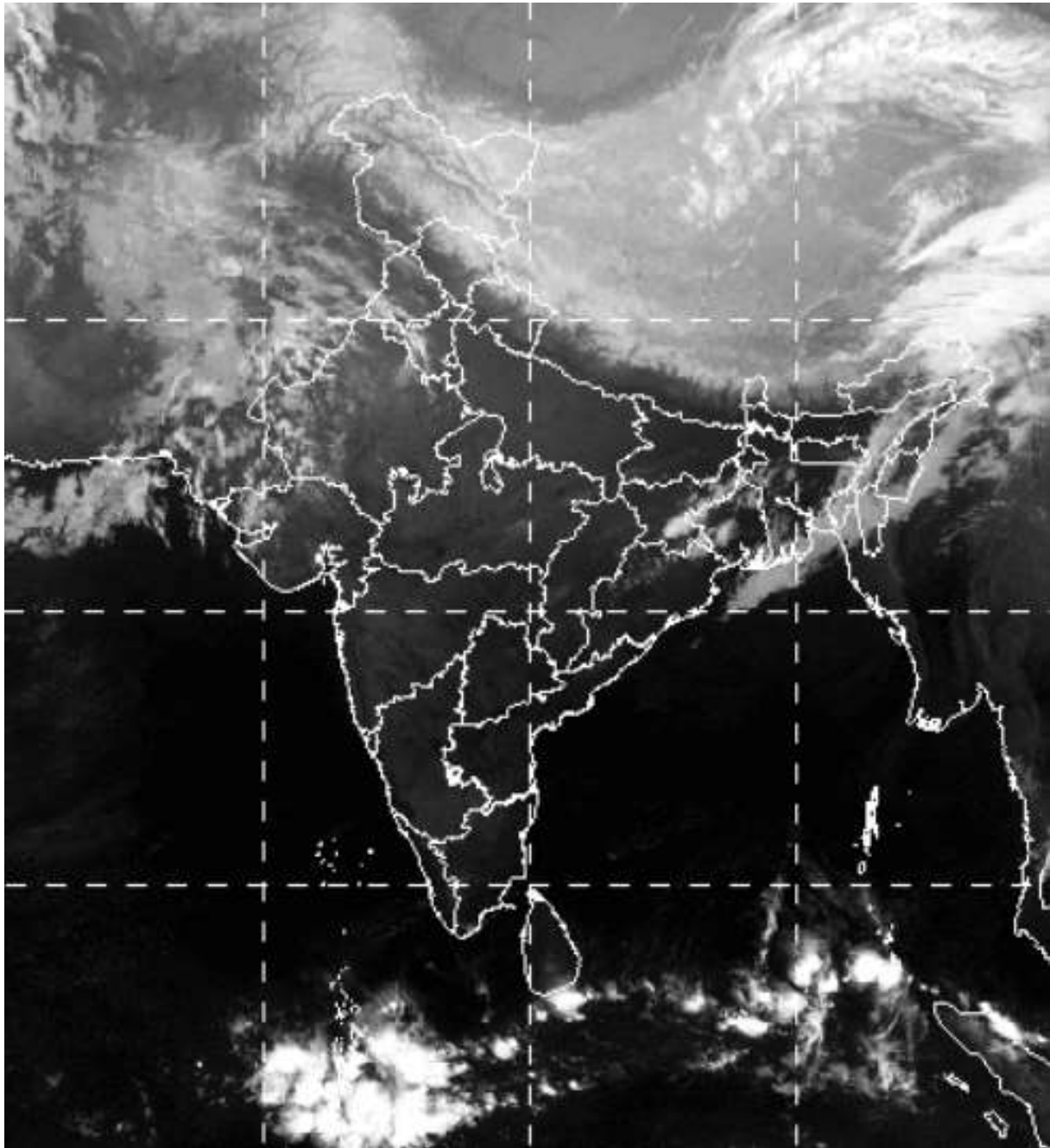
Haryana

Weather condition:

Dry weather prevailed in Haryana state during past few days.

Contingency measure:

- Mustard: Farmers are advised to keep weather in mind while apply chemical spray and harvesting of mustard crop.
- Wheat (Gehun) & Barley (Jau): Farmers are advised to keep weather in mind while applying irrigation and chemical spray in wheat/barley crops.
- Gram: Farmers are advised to keep weather in mind while applying irrigation and chemical spray in gram crops.
- Berseem (Egyptian Clover), Oat: Keep weather in mind while cutting of berseem crop for fodder to feed the livestock and apply irrigation.
- Sugarcane: Farmers are advised to keep on vigilance for insect/pests in sugarcane crop. Farmers are advised to apply need based irrigation.
- Vegetables Crops: Due to WD, farmers are advised to apply need based irrigation in existing vegetable crops. Farmers are also advised to keep monitoring for pest/diseases.
- Live Stock: During 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 16 March 2019 at 0230 Hrs (IST).
(Source: IMD).**

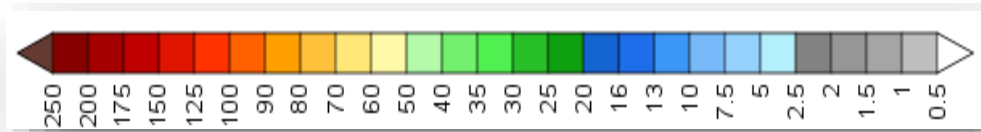
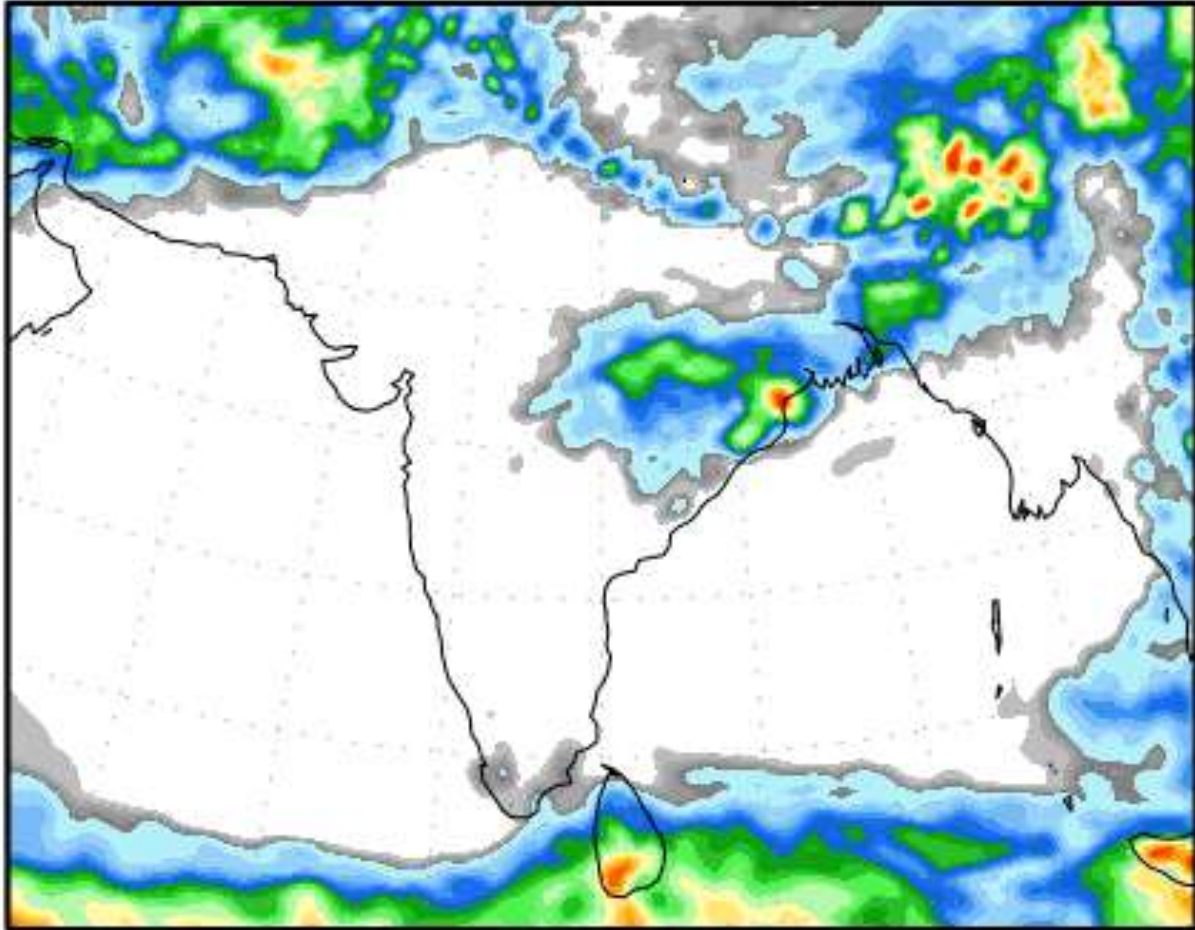


Figure: 2. Precipitation forecast for 16 to 23 March 2019 (Source: NOAA NCEP).