

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 19 March 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- An approaching Western Disturbance is very likely to cause fairly widespread to widespread rain/snow with isolated thunderstorms, hailstorms, gusty winds & lightning over Western Himalayan Region during next 2 days. Isolated rain / thundershowers, gusty winds and lightning are also likely over Punjab and Haryana, Chandigarh & Delhi on 20th March.
- A wind confluence zone is likely to develop over central and adjoining peninsular India resulting in isolated thunderstorms and gusty winds over southeast Madhya Pradesh, Vidarbha, Chhattisgarh and Odisha on 20th & 21st March.
- Scattered to fairly widespread rain/thundershowers are very likely over northeast India during next 2 days. Isolated thunderstorms, gusty winds and lightning are likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 20th and 21st March.
- Day maximum temperature was more than 40°C at isolated pockets of Maharashtra, yesterday. They are near normal over major parts of the country at present. This situation is likely to continue for 2 more days with slight fall thereafter.
- 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 Himachal Pradesh, Uttarakhand, Arunachal Pradesh; at a few places West Bengal & Sikkim and Assam & Meghalaya, and at isolated places over Punjab, Nagaland, Manipur, Mizoram & Tripura, Odisha and Kerala.
- Maximum temperature departures as on 18.03.2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Jammu & Kashmir, Himachal Pradesh and Saurashtra & Kutch; at isolated places over Tamilnadu & Puducherry; above normal (1.6°C to 3.0°C) at a few places over Assam & Meghalaya, Konkan & Goa, Madhya Maharashtra and Kerala; at isolated places over Gujarat

region, Chhattisgarh and Coastal & south Interior Karnataka. They were markedly below normal (-5.1°C or less) at a few places over East Madhya Pradesh and Odisha; at isolated places over Vidarbha; appreciably below normal (-3.1°C to -5.0°C) at most places over Jharkhand; at a few places over East Uttar Pradesh, Bihar and Telangana; at isolated places over Haryana, Chandigarh & Delhi, West Uttar Pradesh and Coastal Andhra Pradesh; below normal (-1.6°C to -3.0°C) at many places over Gangetic West Bengal; at a few places over East Rajasthan and Nagaland, Manipur, Mizoram & Tripura; at isolated places over West Rajasthan, North Interior Karnataka and Andaman & Nicobar Islands and near normal over rest parts of the country.

- Yesterday, the highest maximum temperature of 40.3°C was recorded at Ahmadnagar (Madhya Maharashtra) over the country.
- Minimum temperature departures as on 19.03.2019: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at isolated places over Assam & Meghalaya and Coastal Andhra Pradesh; above normal (1.6°C to 3.0°C) at a few places over Jammu & Kashmir, Saurashtra & Kutch, Kerala and Andaman & Nicobar Islands; at isolated places over Punjab, West Uttar Pradesh, Bihar, East Rajasthan, Sub-Himalayan West Bengal & Sikkim and Tamilnadu & Puducherry. They are appreciably below normal (-3.1°C to -5.0°C) at a few places over Haryana, Chandigarh & Delhi, West Rajasthan and Madhya Pradesh; at isolated places over Gujarat region; below normal (-1.6°C to -3.0°C) at a few places over Odisha, Konkan & Goa, Madhya Maharashtra and Lakshadweep; at isolated places over Gangetic West Bengal, Chhattisgarh, Marathwada and Telangana and near normal over rest parts of the country.
- Today, the lowest minimum temperature of 10.4°C recorded at Karnal (Haryana) over the plains of the country.

Weather Warning during next 5 days (IMD)

- 19 March (Day 1): Thunderstorm accompanied with hailstorm, lightning & gusty winds at isolated places very likely over Jammu & Kashmir and Himachal Pradesh. Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over Sub- Himalayan West Bengal & Sikkim and Kerala.
- 20 March (Day 2): Thunderstorm accompanied with hailstorm, lightning & gusty winds at isolated places very likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand and Punjab. Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Haryana, Chandigarh & Delhi, Southeast Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha, North Coastal Andhra Pradesh and Kerala. Heavy rain at isolated places likely over Arunachal Pradesh.

- 21 March (Day 3): Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Southeast Madhya Pradesh, Vidarbha and Chhattisgarh Gangetic West Bengal and Odisha.
- 22 March (Day 4): Thundersquall accompanied with lightning at isolated places likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 23 March (Day 5): No weather warning.
- The weather outlook for the period of seven days *i.e* 19 to 26 March 2019 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Himachal Pradesh, Uttarakhand, Punjab, West Bengal & Sikkim, Odisha, Kerala and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

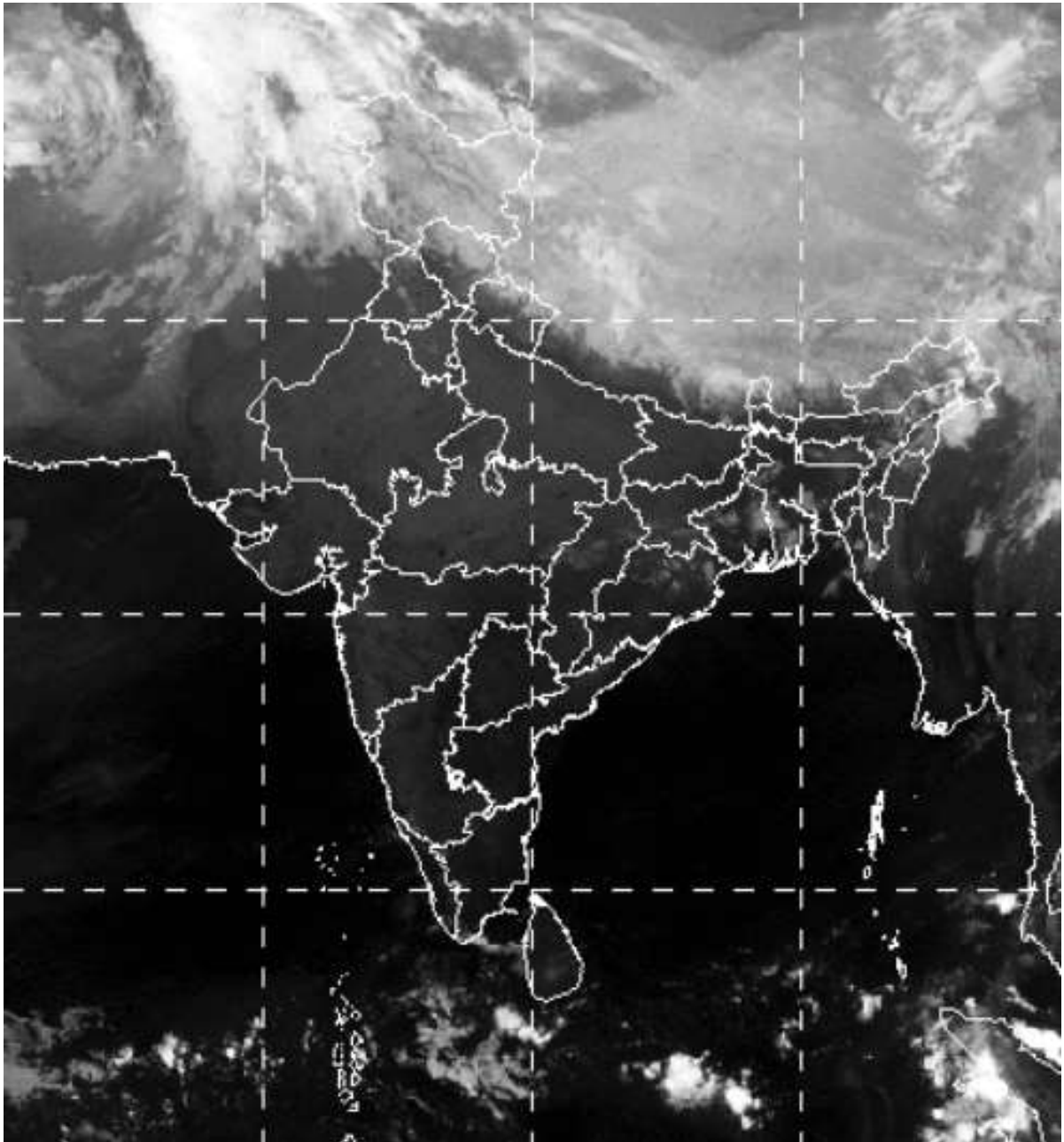
Assam

Weather condition:

Dry weather prevailed in Assam state during past few days. Daily average maximum temperature was 28.5 °C which was 1.9°C above normal and the average daily minimum temperature was 17.3 °C which was 2.3 °C above normal.

Contingency measure:

- Rapeseed and mustard: Seeds should be stored in cool, dark cupboard, away from the direct heat or sunlight, seeds should also be tightly closed when not in use.
- Colocasia: Land Preparation/planting: Farmers can start preparing the land for planting of colocasia, after the harvest of potato, rapeseed and mustard crop. Healthy planting material, improve variety should be selected.
- Sugarcane: Sugarcane sets may be planted during March-April. Land preparation may be started now. Apply 5% Malathion dust @ 3 kg per bigha to avoid attack of termites before planting the sets.
- Okra: sowing: Farmers are advised to collect the okra varieties like Pusa Sawani, Arka Anamika, Parbhani Kranti etc. for sowing. Seeds should be treated with water for 24 hrs to enhance the germination. Pre sowing soaked seeds are to be sown @ 21 kg/ha at a spacing of 30cm x 15cm (Row to Row x Plant to Plant). Seeds should be directly sown in the pit and to be covered with sand or FYM.



**Figure: 1. Latest available satellite picture as on 19 March 2019 at 0230 Hrs (IST).
(Source: IMD).**

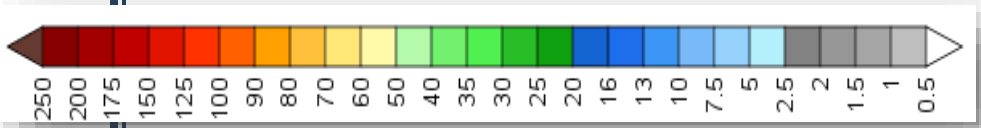
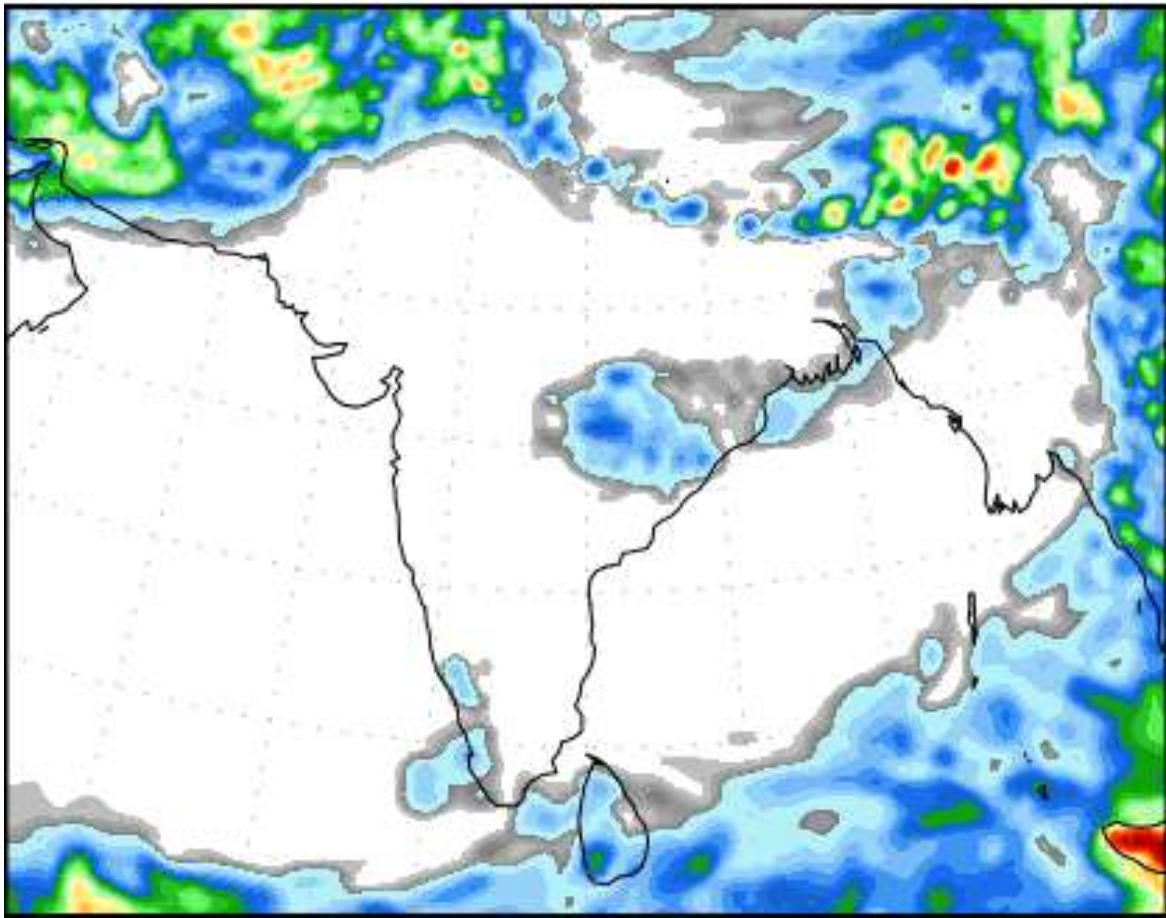


Figure: 2. Precipitation forecast for 19 to 26 March 2019 (Source: NOAA NCEP).