

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 25 March 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Scattered to fairly widespread rain/thundershowers are very likely over northeast India with isolated thunder squalls and lightning over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Arunachal Pradesh on 26th & 27th March. Scattered rain/thundershowers with isolated thundersquall are also likely over Bihar, Jharkhand and West Bengal & Sikkim on 26th March.
- The rainfall associated with the Western Disturbance over Western Himalayan Region and adjoining northern plains is very likely to reduce from tomorrow. A fresh western Disturbance is likely to cause isolated rain/thundershowers over western Himalayan Region from 28th March.
- Heat wave conditions are likely to prevail at isolated pockets over coastal areas of Gujarat during next 2 days. No significant change in maximum temperatures is likely over south Peninsula and adjoining central India during next 2-3 days. They are likely to rise gradually by 3-4°C over northwest India during next 4 days.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Light Rain/Snow observed (from 0830 hours IST of yesterday to 0830 hours IST of today) : at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand. Isolated places over Coastal Andhra Pradesh, Telangana, Rayalaseema, Interior Karnataka, East Rajasthan, West Uttar Pradesh, Haryana, Chandigarh & Delhi, Punjab, Arunachal Pradesh, Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim.
- Maximum temperature departures as on 24.03.2019: Maximum temperatures were markedly above normal (5.1°C or more) at isolated places over Saurashtra & Kutch; appreciably above normal (3.1°C to 5.0°C) at many places over Uttarakhand and at isolated places over Himachal Pradesh & Konkan & Goa; above normal (1.6°C to 3.0°C) at most places over Madhya Maharashtra, Marathwada, Interior Karnataka, Rayalaseema and Kerala; at many places over East Rajasthan, West Madhya Pradesh

and Tamilnadu & Puducherry; at a few places over Gujarat Region & Vidarbha; at isolated places over Jammu & Kashmir, Haryana, Chandigarh & Delhi, Telangana, Odisha, Gangetic West Bengal and Andaman & Nicobar Islands. They were below normal (-1.6°C to -3.0°C) at isolated places over Punjab, East Madhya Pradesh and Assam & Meghalaya and near normal over rest parts of the country.

- Yesterday, the highest maximum temperature of 41.5°C was recorded at Gulbarga (North Interior Karnataka) over the country.
- Minimum temperature departures as on 25.03.2019: Minimum temperatures are markedly normal (5.1°C or more) at isolated places over Saurashtra & Kutch; appreciably above normal (3.1°C to 5.0°C) at many places over Uttarakhand and at isolated places over East Uttar Pradesh, Assam & Meghalaya, East Rajasthan, Gujarat Region and Madhya Maharashtra; above normal (1.6°C to 3.0°C) at many places over West Uttar Pradesh, West Rajasthan, Telangana, Rayalaseema, Interior Karnataka; at a few places over Marathwada and at isolated places over Himachal Pradesh, Tamilnadu & Puducherry, Sub- Himalayan West Bengal & Sikkim and Arunachal Pradesh. They are appreciably below normal (-3.1°C to -5.0°C) at a few places over Gangetic West Bengal; at isolated places over Odisha, East Madhya Pradesh and Chhattisgarh; below normal (-1.6°C to -3.0°C) at isolated places over West Madhya Pradesh, Vidarbha and Tripura and near normal over rest parts of the country.
- The lowest minimum temperature of 12.0°C recorded at Amritsar (Punjab) over plains of the country.

Weather Warning during next 5 days (IMD)

- 25 March (Day 1): Thunderstorm accompanied with gusty winds & lightning at isolated places very likely over Uttarakhand, Sub-Himalayan West Bengal & Sikkim, north Coastal Andhra Pradesh and Bihar. Heat wave conditions are very likely to prevail at isolated pockets over Coastal areas of Saurashtra and south Gujarat.
- 26 March (Day 2): Thunderstorm accompanied with squall & lightning at isolated places very likely over Bihar, Jharkhand, West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya. Thunderstorm accompanied with gusty winds & lightning at isolated places very likely over Odisha and Nagaland, Manipur, Mizoram & Tripura. Heat wave conditions are very likely to prevail at isolated pockets over Coastal areas of Saurashtra and south Gujarat.
- 27 March (Day 3): Thunderstorm accompanied with squall & lightning at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds &

lightning at isolated places very likely over Kerala, Coastal Karnataka, Gangetic West Bengal & Odisha.

- 28 March (Day 4): Thunderstorm accompanied with gusty winds & lightning at isolated places likely over Kerala.
- 29 March (Day 5): No weather warning.
- The weather outlook for the period of seven days *i.e* 25 March to 01 April 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, Punjab, Haryana, Chandigarh & Delhi, Sub-Himalayan West Bengal & Sikkim, East Rajasthan, West Uttar Pradesh, Coastal Andhra Pradesh, Telangana, Rayalaseema, Interior Karnataka and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Chhattisgarh

Weather condition:

Dry weather prevailed in Chhattisgarh state during past few days. Maximum temperature varied between 28.5°C to 36.2°C and minimum temperature varied between 15.0°C to 23.2°C.

Contingency measure:

- Farmers are advised to take care of their summer crops like paddy, groundnut, moong and vegetables from insects. Regular monitoring should be done. The summer rice is at tillering stage, top dressing of nitrogen is advised at this stage.
- Oilseed & Pulses: Farmers are advised for harvesting of their pulse and oilseed crop before scattering of the grain. In case of delay, there are chances of scattering of grains. There should be only 8-10% moisture in the grains, therefore seeds should be sundried.
- Farmers are advised for ploughing the field and keep the field ready for summer crops like sesamum, green gram, black gram and vegetables.
- Vegetables: Irrigation management should be done efficiently in the summer vegetables. Now a day's temperature is conducive for spread and multiplication of insects. Therefore, farmers are advised to monitor insect-pests in okra and brinjal crops.
- If cucurbitaceous vegetables are affected by red pumpkin beetle than farmers are advised to spray Savin @2 gram/liter of water at root zone in morning time.
- Fruit : If the size of fruits has become the size of pea in mango fruits crops, then farmers are advised to give irrigation for the protection against fruits dropping. Irrigate banana and papaya seedlings once a week
Animal husbandry: Arrange windows for fresh air in poultry shed and animal shed. Wheat, gram and lathyrus straw should be stored in safe place for feeding to animals.. Therefore arrangements in cattle shed should be made accordingly.

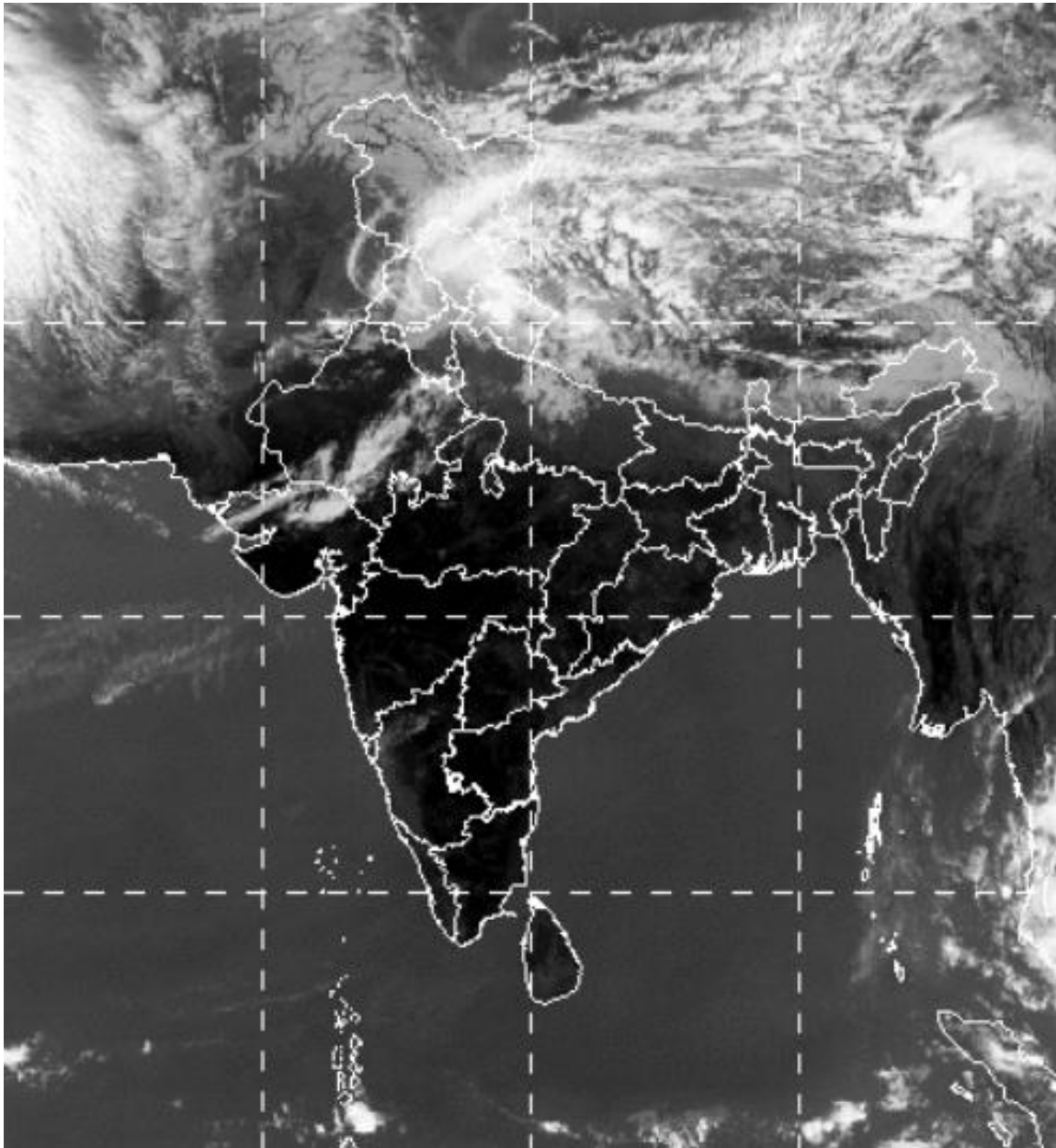


Figure: 1. Latest available satellite picture as on 25 March 2019 at 0230 Hrs (IST).

(Source: IMD).

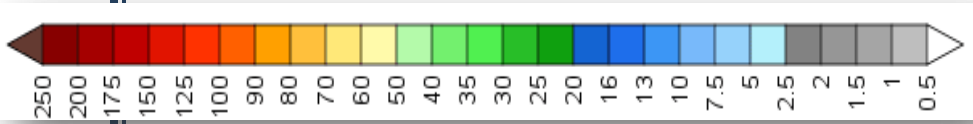
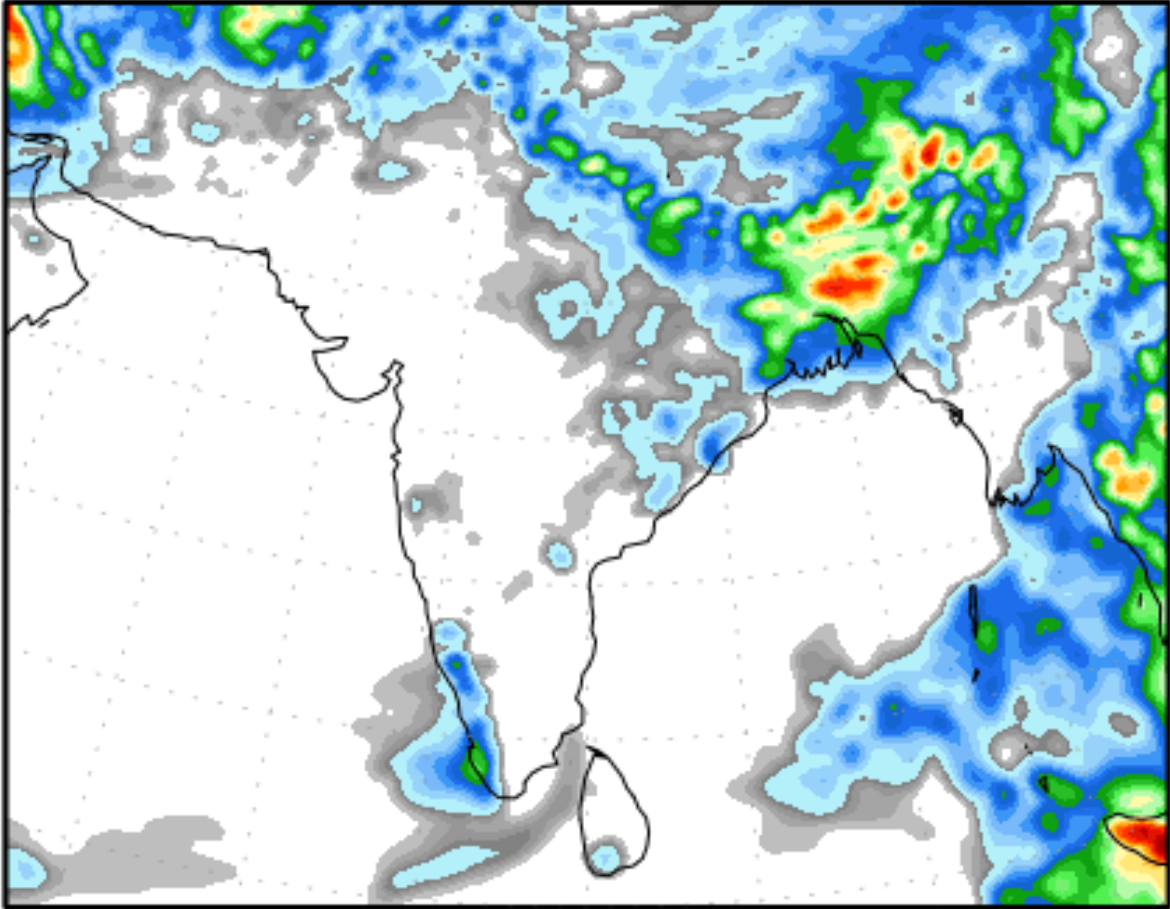


Figure: 2. Precipitation forecast for 25 March to 01 April 2019 (Source: NOAA NCEP).