

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 01 March 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- A fresh Western Disturbance along with its induced cyclonic circulation is very likely to cause severe weather once again over western Himalayan region and plains of northwest India on 2nd and 3rd March. Fairly widespread to widespread rain/snow with isolated thunderstorm and hailstorm are likely over western Himalayan region and scattered to fairly widespread/widespread rain/thundershowers with isolated hailstorms are likely over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and north Rajasthan on these days.
- Both day maximum and night minimum temperatures are likely to rise by 2.0 to 3.0°C over northwest and adjoining central India during next 48 hours.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rain/Thundershowers observed (from 0830 to 1730 hrs IST of yesterday) at most places over Nagaland, Manipur, Mizoram & Tripura; at many places over Sub-Himalayan West Bengal & Sikkim; at a few places over Arunachal Pradesh and Assam & Meghalaya; at isolated places over Gangetic West Bengal, Odisha and Tamilnadu & Puducherry.
- Moderate fog observed at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura at 0530 hour IST of today. Visibility : Tezpur and Agartala-500 M each.
- Yesterday, Cold day Conditions observed at some parts of East Rajasthan, East Uttar Pradesh and West Madhya Pradesh and at isolated places over Haryana, Chandigarh & Delhi, West Uttar Pradesh and East Madhya Pradesh.
- Maximum temperature departures as on 28.02.2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Kerala; above normal (1.6°C to 3.0°C) at a few places over South interior Karnataka, Rayalaseema, Tamilnadu & Puducherry, Lakshadweep and Andaman & Nicobar Islands and at

isolated places over Saurashtra & Kutch and Konkan & Goa; They were markedly below normal (-5.1°C or less) at many places over Arunachal Pradesh and Assam & Meghalaya; at a few places over East Rajasthan, Madhya Pradesh, Uttar Pradesh and Bihar and at isolated places over Uttarakhand, Jharkhand and Odisha;; appreciably below normal (-3.1°C to -5.0°C) at most places over Haryana, Chandigarh & Delhi; at a few places over Himachal Pradesh, Punjab and Madhya Maharashtra and at isolated places over Chhattisgarh, Marathwada and Vidharbha; below normal (-1.6°C to -3.0°C) at most places over West Bengal & Sikkim and at isolated places over Jammu & Kashmir near normal over rest parts of the country.

- Yesterday, the highest maximum temperature of 37.7°C was recorded at Madurai & Salem(Tamilnadu & Puducherry) over the country.
- Minimum temperature departures as on 28.02.2019: Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Tamilnadu & Puducherry; at a few places over Andaman & Nicobar Islands, Rayalaseema and Coastal Andhra Pradesh and at isolated places over Assam & Meghalaya and Bihar; above normal (1.6°C to 3.0°C) at most places over Nagaland, Manipur, Mizoram & Tripura and Kerala; at many places over Jharkhand and at a few places over West Bengal & Sikkim. They were appreciably below normal (-3.1°C to -5.0°C) at most places over Himachal Pradesh, Uttarakhand and Haryana, Chandigarh & Delhi; at many places over West Uttar Pradesh and East Rajasthan; at a few places over Madhya Maharashtra and Coastal & North Interior Karnataka; at isolated places over Saurashtra & Kutch and Vidarbha; below normal (-1.6°C to -3.0°C) at most places over West Rajasthan; at many places over Madhya Pradesh, Gujarat Region and Punjab; at a few places over East Uttar Pradesh, Konkan & Goa and Marathwada; at isolated places over Odisha and near normal over rest parts of the country.
- Yesterday, the lowest minimum temperature of 4.8°C was recorded at Alwar (East Rajasthan) over the plains of the country.

Weather Warning during next 5 days (IMD)

- 01 March (Day 1): Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over Tamilnadu, Coastal Andhra Pradesh, Telangana and Jammu & Kashmir.
- 02 March (Day 2): Thunderstorm accompanied with Hailstorm & lightning at isolated places very likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and north Rajasthan. Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over Kerala, Vidarbha and West Madhya Pradesh. Heavy rain/snow at isolated places likely over Jammu & Kashmir and Himachal Pradesh.

- 03 March (Day 3): Thunderstorm accompanied with Hailstorm & lightning at isolated places very likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi and north Rajasthan. Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over south Chhattisgarh and Madhya Pradesh.
- 04 March (Day 4): Thundersquall & lightning at isolated places likely over Gangetic West Bengal. Thunderstorm accompanied with lightning & gusty winds at isolated places likely over Odisha, Arunachal Pradesh and Assam & Meghalaya.
- 05 March (Day 5): Thunderstorm accompanied with lightning & gusty winds at isolated places likely over Gangetic West Bengal, Arunachal Pradesh and Assam & Meghalaya.
- The weather outlook for the period of seven days *i.e* 01 to 08 March 2019 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Sub-Himalayan West Bengal & Sikkim, Gangetic West Bengal, Odisha, Tamilnadu & Puducherry and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

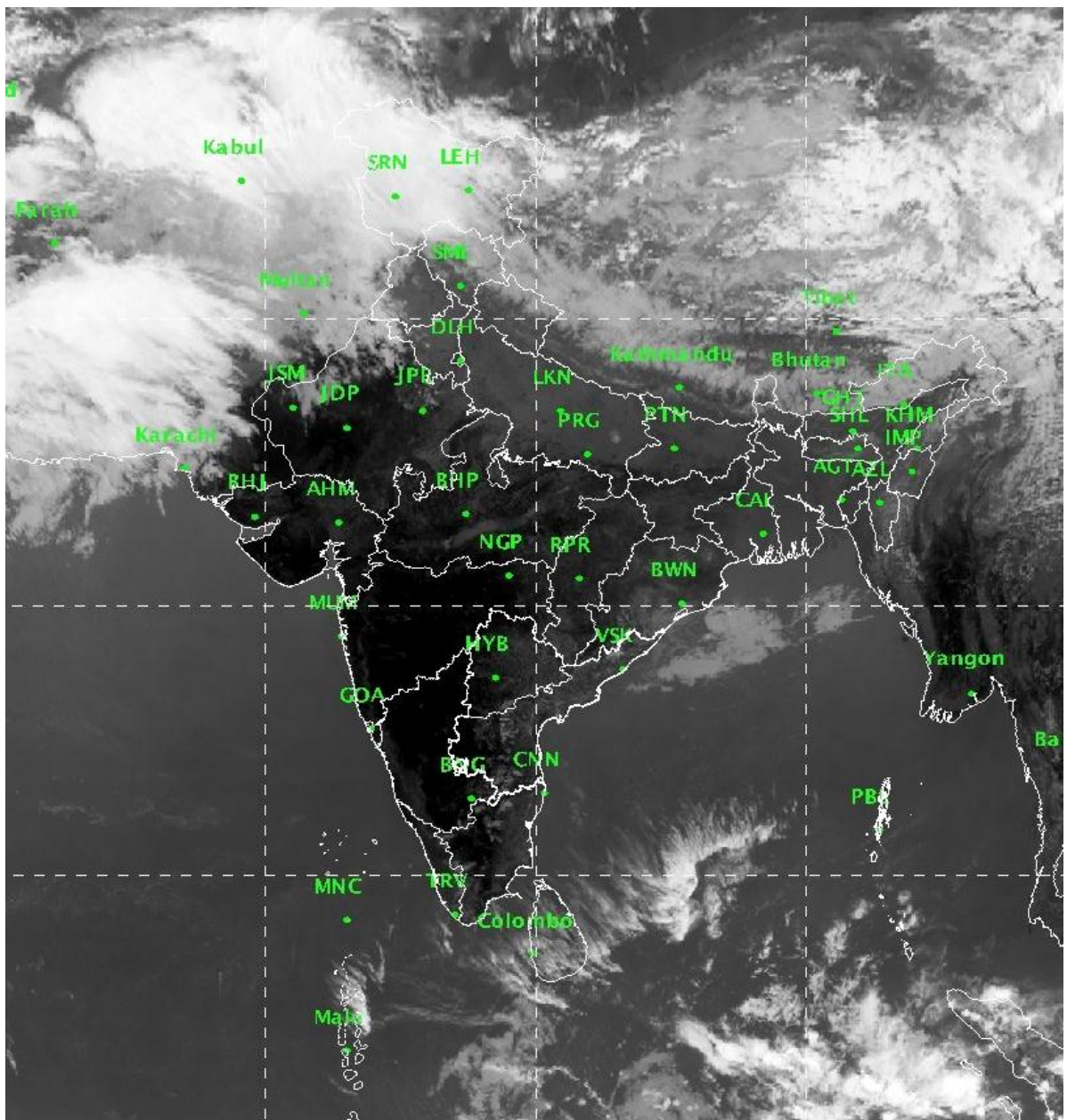
Madhya Maharashtra Region

Weather condition:

Dry weather prevailed in Madhya Maharashtra Region of Maharashtra state during past few days.

Contingency measure:

- In sugarcane: (Suru) irrigation scheduled at after 75 mm of ET i.e. in summer it will be after 8 to 10 days and in Ratoon irrigation should be given after 50 mm of evaporation i.e. in summer it will be after 8-9 days
- In mango orchards to control fruit fly install fruit fly traps (Methyle ujenal) @ 5 / ha. Give protective irrigation to drumstick and use crop residue for mulching to conserve soil moisture.
- Rabi sorghum is at harvesting stage so it should be harvested, threshed & store (moisture should not more than 10%) it after 2-3 sun drying by mixing it with 1-2 % dried neem leaf.
- Harvesting of safflower should be done with the help of combine harvester if available. Winnowing should be carried out with the help of fan @ 600-700 rpm for cleaning of safflower seed & store it in dry place. The same seed can be used for re-sowing of next month.
- To control powdery mildew & mango hoppers on bloomed mango spray Imidachloprid (17.8 SL) 3- 4 ml + Sulphur 80 WP 25 gm per 10 L water.
- In scarcity zone situation for fodder production those farmers having facility of 1-2 irrigation the following crop varieties to be sown sorghum (Phule Ruchira, Phule Amruta, MP- Chari, SSG-59-3, Phule Godhan with 40 kg/ha seed) for Bajara (Giant Bajara), hybrid Napier grass, Phule Jayawant, Phule Gunwant and for Maize African tall with 75 kg/h.



**Figure: 1. Latest available satellite picture as on 01 March 2019 at 0230 Hrs (IST).
(Source: IMD).**

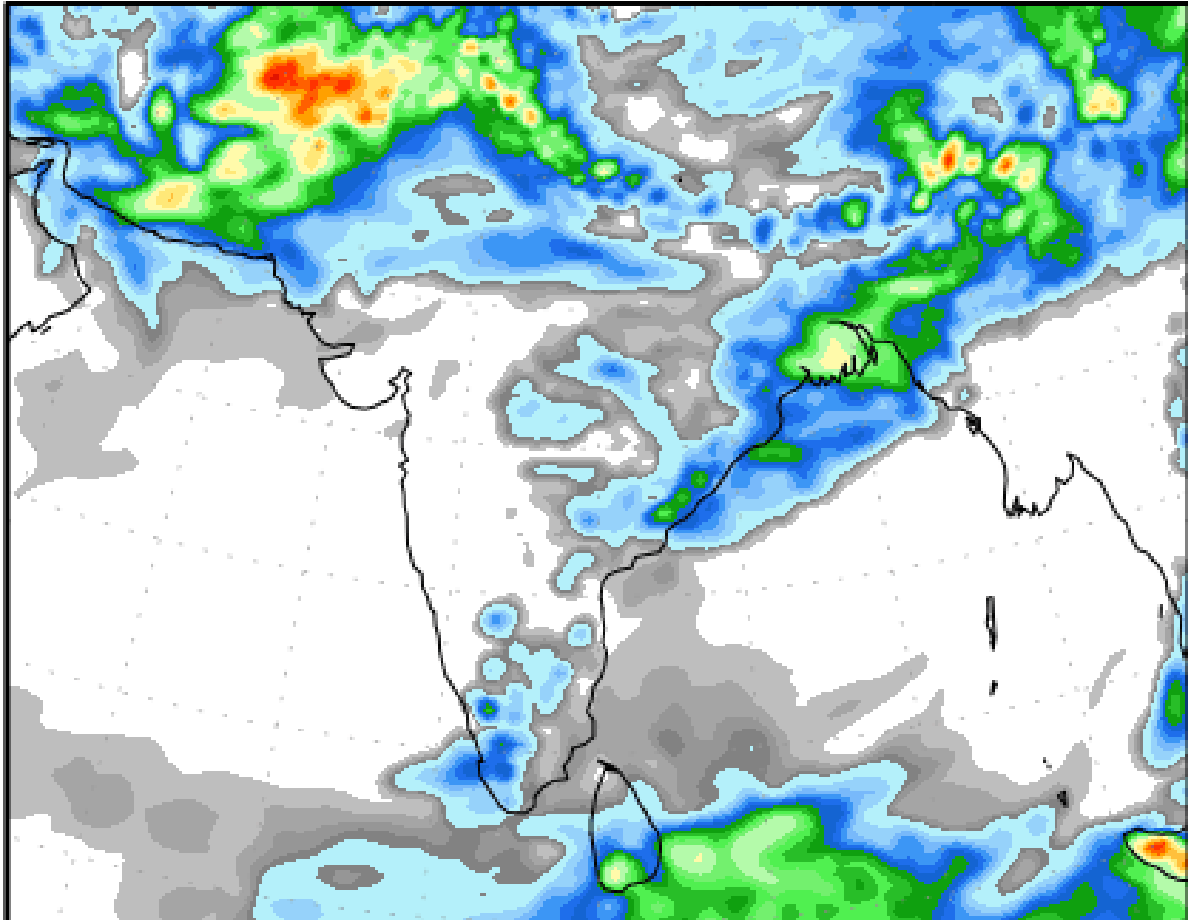


Figure: 2. Precipitation forecast for 01 to 07 March 2019 (Source: NOAA NCEP).