

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 03 April 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Due to approaching Western Disturbance, thunderstorm accompanied with gusty winds is likely over parts of Western Himalayan region during next 48 hours . Dust storms are likely at isolated places over parts of northern plains on today and 6th & 7th April.
- The northsouth trough which has been causing isolated thunderstorms and gusty winds over parts of south peninsula is likely to strengthen and cause isolated thunderstorms and gusty winds over major parts of India from 6th April.
- Heat wave and warm night conditions are likely to continue over parts of West Rajasthan during next 48 hours.
- Yesterday, heat wave conditions prevailed at some parts with severe heat wave conditions at one or two pockets over West Rajasthan.
- Thunderstorm observed at isolated places over Assam & Meghalaya, Telangana and South Interior Karnataka from 1130 hours IST of yesterday to 0830 hours IST of today.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall recorded (from 0830 hours IST of yesterday to 0830 hours of today): Rain/thundershowers observed at isolated places over Jammu & Kashmir, Assam & Meghalaya, Interior Karnataka, Coastal Andhra Pradesh, Telangana, Tamilnadu & Puducherry and Kerala.
- Maximum temperature departures as on 02.04.2018: Maximum temperatures were markedly above normal (5.1°C or more) at many places over Jammu & Kashmir and West Rajasthan; at a few places over Arunachal Pradesh and Assam & Meghalaya; appreciably above normal (3.1°C to 5.0°C) at most places over Himachal Pradesh and East Rajasthan; at many places over Haryana, Chandigarh & Delhi; at a few places over West Madhya Pradesh; above normal (1.6°C to 3.0°C) at most places over Punjab and Saurashtra & Kutch; at a few places over Madhya Maharashtra, Marathwada and Sub Himalayan West Bengal & Sikkim and at isolated places over Gujarat Region, Konkan & Goa, East Madhya Pradesh, Vidarbha, Tamilnadu & Puducherry and Coastal Karnataka. They were markedly below normal (5.1°C

or less) at many places over Gangetic West Bengal; at a few places over rest of Sub Himalayan West Bengal & Sikkim and Jharkhand; appreciably below normal (3.1°C to 5.0°C) at a few places over Odisha and below normal (1.6°C to 3.0°C) at most places over Bihar and Chhattisgarh and near normal over rest of the country.

- Yesterday, the highest maximum temperature of 43.2°C was recorded at Phalodi (West Rajasthan) over the plains of the country.
- Minimum temperature departures as on 03.04.2018: Minimum temperatures are markedly above normal (5.1°C or more) at many places over Jammu & Kashmir and Punjab; appreciably above normal (3.1°C to 5.0°C) at most places over Himachal Pradesh & Uttarakhand; at many places over West Rajasthan; at a few places Haryana, Chandigarh & Delhi, East Rajasthan, West Madhya Pradesh and Gujarat; above normal (1.6°C to 3.0°C) at many places over Uttar Pradesh, Assam & Meghalaya, Arunachal Pradesh and Tamilnadu & Puducherry. They are below normal (1.6°C to 3.0°C) at many places over Gangetic West Bengal; at a few places over Odisha, Jharkhand and East Madhya Pradesh and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 03 April (Day 1): Thunderstorm accompanied with gusty winds very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, north Coastal Andhra Pradesh, South Interior Karnataka, interior Tamilnadu and Kerala. Dust storm/Thunderstorm very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, Rajasthan and West Uttar Pradesh. Warm night conditions are likely to prevail at one or two pockets over West Rajasthan. Heat wave conditions very likely to prevail at one or two pockets over west Rajasthan.
- 04 April (Day 2): Thunderstorm accompanied with squall very likely at isolated places over north Coastal Andhra Pradesh. Thunderstorm accompanied with gusty winds very likely at isolated places over Uttarakhand and South Interior Karnataka. Heat wave conditions very likely to prevail at one or two pockets over West Rajasthan.
- 05 April (Day 3): Thunderstorm accompanied with squall likely at isolated places over Sub Himalayan West Bengal & Sikkim. Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Odisha. Thunderstorm accompanied with gusty winds likely at isolated places over Gangetic West Bengal and Telangana. Dust storm/Thunderstorm likely at isolated places over Uttar Pradesh.
- 06 April (Day 4): Thunderstorm accompanied with squall likely at isolated places over West Bengal & Sikkim, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and north Coastal Andhra Pradesh. Thunderstorm accompanied with gusty winds very likely at isolated places over Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Madhya Maharashtra, Marathawada, Telangana and Kerala. Dust storm/Thunderstorm likely at isolated places over Rajasthan.

- 07 April (Day 5): Thunderstorm accompanied with squall likely at isolated places over Bihar, Jharkhand, Gangetic West Bengal and north Coastal Andhra Pradesh. Thunderstorm accompanied with gusty winds very likely at isolated places over Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Marathawada and Kerala. Dust storm/Thunderstorm likely at isolated places over Rajasthan.
- The weather outlook for the period of seven days *i.e* 03 to 09 April 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Jammu & Kashmir, , Interior Karnataka, Coastal Andhra Pradesh, Telangana, Kerala, Tamilnadu & Puducherry and North eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Chhattisgarh

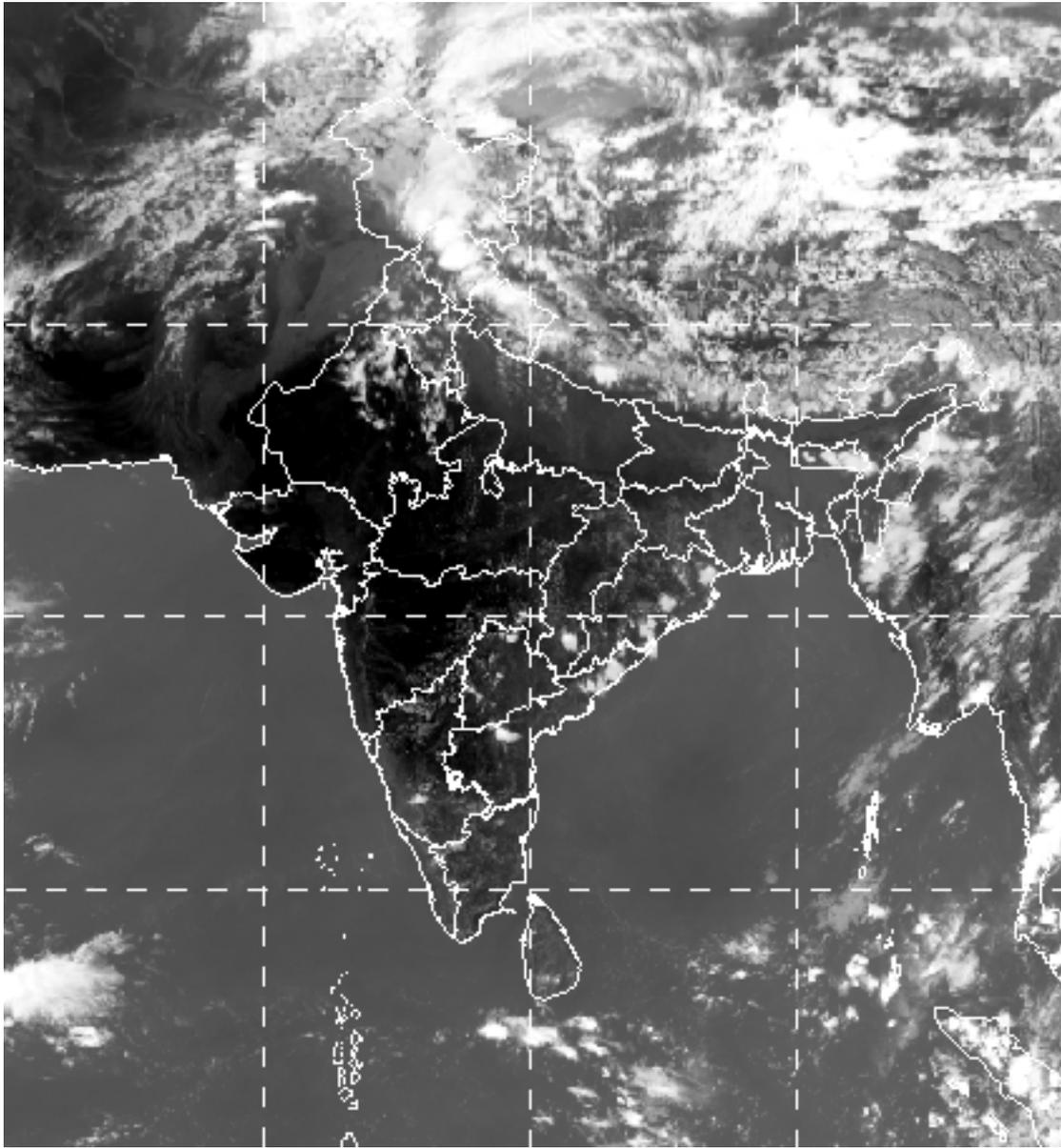
Weather condition

Dry weather prevailed in Chhattisgarh state during past few days.

Contingency measure:

- Wheat is in harvesting stage. Therefore combined harvester or tractor drawn reaper should be used for energy saving.
- 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.
- If any farmer is having the tractor drawn reaper, then Farmer should keep it neat , clean and well maintained condition. Cutter bar should be properly calibrated.
- Vegetables /Fruit : Proper support should be provided to the vine vegetables and fertilizer should be given to the gourd crops. If cucurbitaceous vegetables are affected by red pumpkin beetle than farmers are advised to use cow dung cakes soaked in kerosene oil and these should be kept on the ground near plants. After that spray Carbaryl (Savin) @2 gram/liter of water near root zone of the crop in morning time.
- Intercultural operation should be done in the February sown crops like okra, cowpea and clusterbean crops immediately followed by irrigation. If the size of fruits has become the size of pea in mango fruits crops, then farmers are advised to spray NAA @ 50 ppm followed by irrigation for the protection against fruits dropping.
- Mother orchard grafts should be prepared for ber crop. Irrigate banana and papaya seedlings once a week and irrigation time should be increased in the drip system.

- Animal husbandry: Farmers are advised to cover Animal and poultry sheds with gunny bag and maintain proper ventilation so that inner temperature may be maintained normal. Therefore dairy farmers are advised not to set their livestock free after 11 AM and before 3 PM. If the dairy animal is feeling uncomfortable due to increased temperature, then bathing with cold or normal temp. water should be provided immediately and should be kept in arable place.



**Figure: 1. Latest available satellite picture as on 03 April 2018 at 0230 Hrs (IST).
(Source: IMD).**

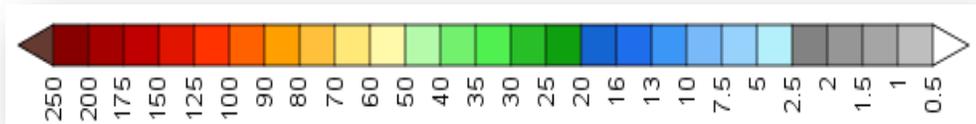
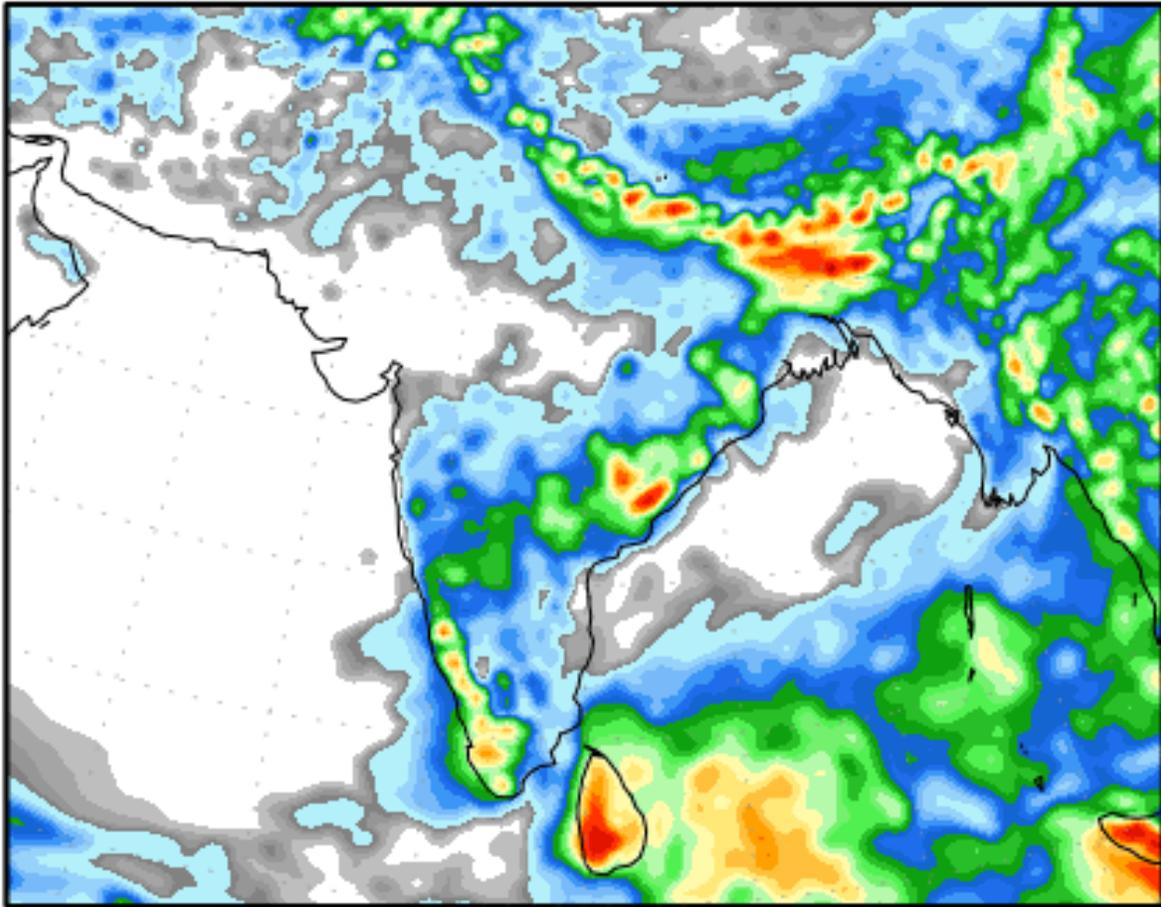


Figure: 2. Precipitation forecast for 03 to 09 April 2018 (Source: NOAA NCEP).