

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 17 March 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Parts of south Peninsula including Tamilnadu, Karnataka, Telangana and Andhra Pradesh experienced fairly wide spread thundershowers yesterday with some isolated heavy rain events. The activity is likely to continue over Tamilnadu, South Interior Karnataka and Rayalaseema for today and decrease from tomorrow.
- The thundershower activity over northeastern states is also likely to decrease from tomorrow.
- The approaching Western Disturbance is likely to cause isolated to scattered precipitation over Western Himalayan region and adjoining plains from 19th 22nd March. Parts of central and adjoining peninsular India is likely to experience isolated thundershowers during this period.
- Thunderstorm observed at isolated places over Jammu division of Jammu & Kashmir, Bihar, South Interior Karnataka, Coastal Karnataka, Coastal Andhra Pradesh, Tamilnadu & Puducherry, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura 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 IST of today): Rain/snow observed at isolated places over Jammu & Kashmir. Rain/thundershowers observed at most places over Arunachal Pradesh, Coastal Andhra Pradesh, Telangana and Rayalaseema at many places over Assam & Meghalaya, Odisha, Tamilnadu & Puducherry and interior Karnataka; at a few places over Vidarbha; at isolated places over East Uttar Pradesh, Chhattisgarh, Bihar, West Bengal & Sikkim, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Karnataka, Lakshadweep and Kerala.
- Maximum temperature departures as on 16.03.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Punjab and West Rajasthan; above normal (1.6°C to 3.0°C) at most places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Bihar and Sub Himalayan West Bengal & Sikkim; at many places over East Madhya Pradesh, Uttar

- Pradesh and Tamilnadu & Puducherry; at a few places over East Rajasthan, West Madhya Pradesh, Gujarat and Konkan & Goa. They were markedly below normal (5.1°C or less) at most places over Vidarbha; at many places over Odisha and Telangana; at a few places over Gangetic West Bengal and at isolated places over Chhattisgarh; appreciably below normal (3.1°C to 5.0°C) at most places over Madhya Maharashtra, Marathwada and North Interior Karnataka; at many places over South Interior Karnataka; at a few places over Arunachal Pradesh and Assam & Meghalaya; below normal (1.6°C to 3.0°C) at most places over Nagaland, Manipur, Mizoram & Tripura; at a few places over Vidarbha; at isolated places over south Madhya Pradesh, South Interior Karnataka, Kerala & Tamilnadu and near normal over rest parts of the country.
- Yesterday, the highest maximum temperature of 39.0°C was recorded at Madurai (Tamilnadu) over the country.
- Minimum temperature departures as on 17.03.2018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at most places over Bihar; above normal (1.6°C to 3.0°C) at many places over West Rajasthan and Madhya Pradesh; at a few places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim and Konkan & Goa and at isolated places over Gujarat, Tamilnadu & Puducherry, Coastal Andhra Pradesh, They are appreciably below normal (3.1°C to 5.0°C) at most places over Vidarbha; at many places over Marathwada; below normal (1.6°C to 3.0°C) at most places over Telangana and North Interior Karnataka; at many places over Himachal Pradesh and Odisha and at isolated places over Jammu & Kashmir, Uttarakhand, Madhya Maharashtra and coastal Andhra Pradesh and near normal over rest parts of the country.
- The lowest minimum temperature of 11.5°C recorded at Sikar (East Rajasthan) over the plains of the country.

Weather Warning during next 5 days (IMD)

- 17 March (Day 1): Heavy rain at isolated places very likely over South Interior Karnataka and north Tamilnadu. Thunderstorm accompanied with gusty winds very likely at isolated places over Rayalaseema, South interior Karnataka, Interior Tamilnadu, Kerala and south Coastal Andhra Pradesh. Thunderstorm accompanied with squall very likely at isolated places over Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with squall and Hail very likely at isolated places over Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim.
- 18 March (Day 2):Thunderstorm accompanied with gusty winds very likely at isolated places over South interior Karnataka, Interior Tamilnadu and Kerala.
- 19 March (Day 3): No weather warning.
- 20 March (Day 4): No weather warning.
- 21 March (Day 5): No weather warning.

- The weather outlook for the period of seven days *i.e* 17 March to 25 March 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Jammu & Kashmir, East West Bengal & Sikkim, Uttar Pradesh, Bihar, Chhattisgarh, Odisha, Konkan & Goa, Vidarbha, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh, Telangana, Rayalaseema, interior Karnataka, Coastal Karnataka, Tamilnadu & Puducherry, Lakshadweep and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

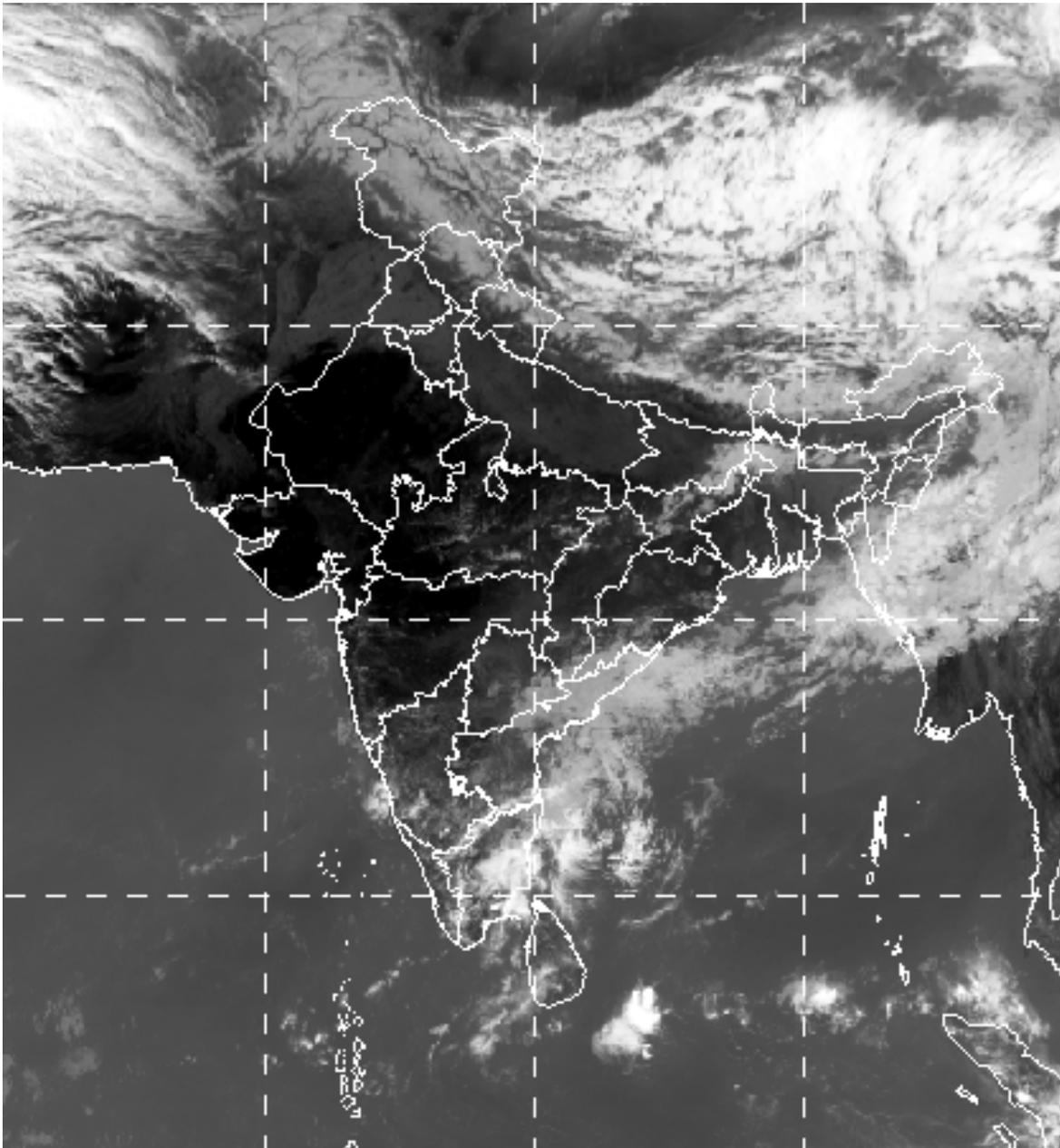
Rajasthan

Weather condition

Hot & dry weather observed in Rajasthan state during past few days. The maximum temperature ranged from 31.0 to 35.0 °C with mean value of 32.5°C which is 2.3 °C above the normal value. The minimum temperature ranged from 11.1 to 12.5°C with mean value of 11.9°C which is 0.6 °C above the normal value.

Contingency measure:

- Keeping increasing temperature in view, farmers are advised for light irrigation in standing crops and vegetables as per requirement. Spray 100 PPM Salicylic acid (1.0 gm in 10 liter water) or thiyoglycolic acid (1.0 gm in 10 liter water).
- Irrigation should be done in wheat and barley at dough to physiological maturity stage. Start Harvesting of mustard at dropping of leaves and yellowing of pod.
- In standing vegetables spray solution of NPK (19:19:19) @ 5 gm / Liter. Start sowing of guar and cowpea for vegetable purpose.
- In present weather conditions, transplanting of young seedlings of tomato, chilli and cole crop may be done in this week.
- In brinjal crop, to control shoot and fruit borer, collection of infested fruits and shoots and burying these are advised. If pest population is high, spraying of Spinosad 48 SC @ 1 ml. /4 litres of water is advised.



**Figure: 1. Latest available satellite picture as on 17 March 2018 at 0230 Hrs (IST).
(Source: IMD).**

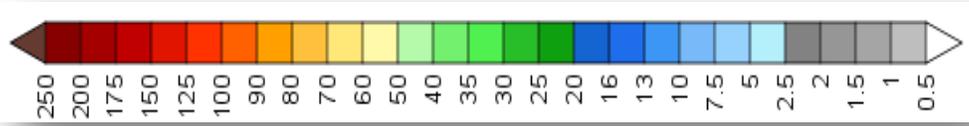
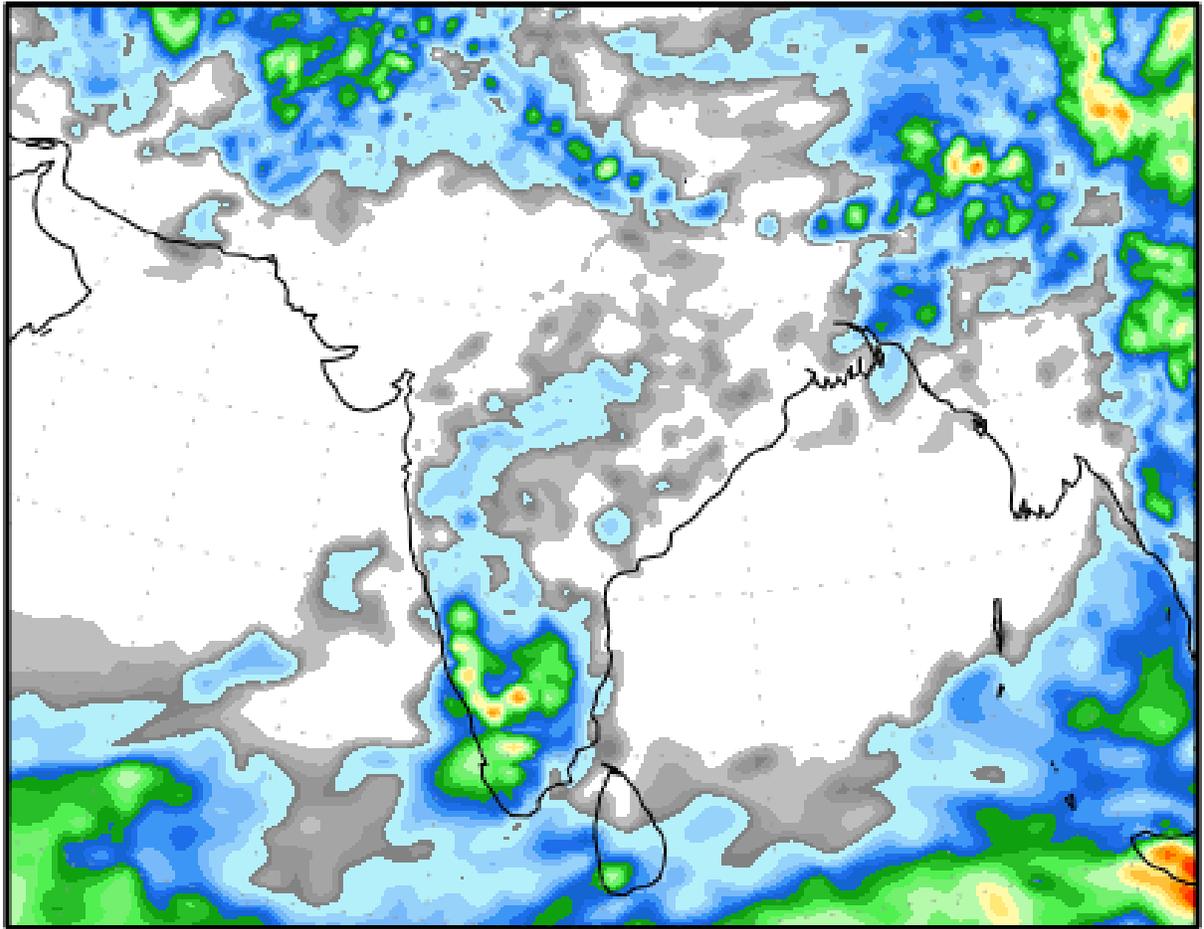


Figure: 2. Precipitation forecast for 17 March to 25 March 2018 (Source: NOAA NCEP).