

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 25 April 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- High waves originated from remote locations are likely to continue over coastal waters of west coast, east coast and western coast of Andaman & Nicobar Islands during next 24 hours.
- A fresh Western Disturbance is likely to cause scattered to fairly widespread precipitation over Western Himalayan region and isolated rainfall over northern plains from 27th April. Isolated Dust storms/ Thunderstorms, thunderstorms accompanied with squalls/Hailstorms are likely over Western Himalayan region and adjoining plains of northwest India from 26th April.
- Heat wave conditions are likely over Vidarbha during 26th and 28th April and over West Madhya Pradesh on 27th and 28th April.
- Day maximum temperatures are likely to remain above 40°C over parts of central and adjoining eastern India and parts of Telangana, Rayalaseema and Interior Tamilnadu.
- Thunderstorm observed at isolated places over Sub Himalayan West Bengal & Sikkim, Tripura, Chhattisgarh, Coastal Andhra Pradesh, Telangana, South Interior Karnataka and Kerala from 1130 hours IST of yesterday to 0830 hours IST of today.
- Yesterday, Heat wave conditions were observed at two stations of Saurashtra & Kutch.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall observed (from 0830 hours IST of yesterday to 0830 hours IST of today): Rain/thundershowers at many places over Kerala and at isolated places over Lakshadweep, Chhattisgarh, Coastal Andhra Pradesh, Telangana, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura and South Interior Karnataka.
- Maximum temperature departures as on 24.04.2018: 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 a few places over Jammu & Kashmir, Himachal Pradesh and

Gujarat Region; at isolated places over Gangetic West Bengal and Tamilnadu; above normal (1.6°C to 3.0°C) at most places over Punjab, West Rajasthan, Marathawada, Rayalaseema and North Interior Karnataka; at many places over Konkan & Goa, Madhya Maharashtra and Vidharbha; at a few places over Assam & Meghalaya, Bihar, Haryana & Chandigarh, Telangana, Coastal Karnataka and Kerala; at isolated places over West Madhya Pradesh, Andaman & Nicobar Islands and Odisha and near normal over rest of the country.

- Yesterday, the highest maximum temperature of 44.1°C was recorded at Parbhani (Marathawada) over the plains of the country.
- Minimum temperature departures as on 25.04.2018: Minimum temperatures are above normal (1.6°C to 3.0°C) at a few places over Jammu & Kashmir, Himachal Pradesh, Assam, West Bengal & Sikkim and Tamilnadu & Puducherry. They are appreciably below normal (3.1°C to 5.0°C) at a few places over East Rajasthan, East Madhya Pradesh and Vidharbha; at isolated places over Madhya Maharashtra; below normal (1.6°C to 3.0°C) at most places over Bihar, East Uttar Pradesh, West Madhya Pradesh and Chhattisgarh; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Odisha, Gujarat Region and Coastal Andhra Pradesh.

Weather Warning during next 5 days (IMD)

- 25 April (Day 1): Thunderstorm accompanied with squall and hail very likely at isolated places over Sub Himalayan West Bengal & Sikkim. Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds very likely at isolated places over Tamilnadu, Kerala, South Interior Karnataka, Coastal Andhra Pradesh and Rayalaseema. Based on the forecast generated by INCOIS, rough to very rough Sea conditions very likely to prevail along & off Kerala and Lakshadweep coasts. Fishermen and coastal population are advised not to venture into the coastal areas along & off these regions. Based on the forecast generated by INCOIS, rough Sea conditions very likely to prevail along & off along & off south Tamilnadu, West Bengal, Odisha, north Andhra Pradesh coasts and west coast of Andaman & Nicobar Islands. Fishermen and coastal population are advised to be cautious while venturing into the coastal areas along & off these regions.
- 26 April (Day 2): Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya. Thunderstorm accompanied with gusty winds very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Gangetic West Bengal Tamilnadu, Kerala, South Interior Karnataka and Coastal Andhra Pradesh. Dust storm/thunderstorm likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and north Rajasthan. Heat wave conditions very likely to prevail in one or two pockets over Vidarbha.
- 27 April (Day 3): Thunderstorm accompanied with squall and hail very likely at isolated places over Himachal Pradesh and Uttarakhand. Thunderstorm accompanied with squall likely at isolated places over Jammu & Kashmir and Sub Himalayan West Bengal & Sikkim. Thunderstorm accompanied with gusty winds very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Gangetic West Bengal, Assam & Meghalaya,

Nagaland, Manipur, Mizoram & Tripura, Odisha, Tamilnadu and Kerala. Dust storm/thunderstorm very likely at isolated places over north Rajasthan. Heat wave conditions very likely to prevail in one or two pockets over West Madhya Pradesh and Vidarbha.

- 28 April (Day 4): Thunderstorm accompanied with squall and hail likely at isolated places over Himachal Pradesh and Uttarakhand. Thunderstorm accompanied with squall likely at isolated places over Jammu & Kashmir, East Uttar Pradesh, Bihar, Jharkhand and Gangetic West Bengal. Thunderstorm accompanied with gusty winds likely at isolated places over Haryana, Chandigarh & Delhi, Punjab, West Uttar Pradesh, Sub Himalayan West Bengal & Sikkim and Odisha. Dust storm/thunderstorm very likely at isolated places over north Rajasthan. Heat wave conditions very likely to prevail in one or two pockets over West Madhya Pradesh and Vidarbha.
- 29 April (Day 5): Thunderstorm accompanied with squall likely at isolated places over Bihar, Jharkhand and Gangetic West Bengal. Thunderstorm accompanied with gusty winds likely at isolated places over East Uttar Pradesh, Sub Himalayan West Bengal & Sikkim and Odisha. Heavy rain likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- The weather outlook for the period of seven days *i.e* 25 April to 02 May 2018 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, Chhattisgarh, Coastal Andhra Pradesh, Telangana, South Interior Karnataka, Lakshadweep and North eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

West Bengal

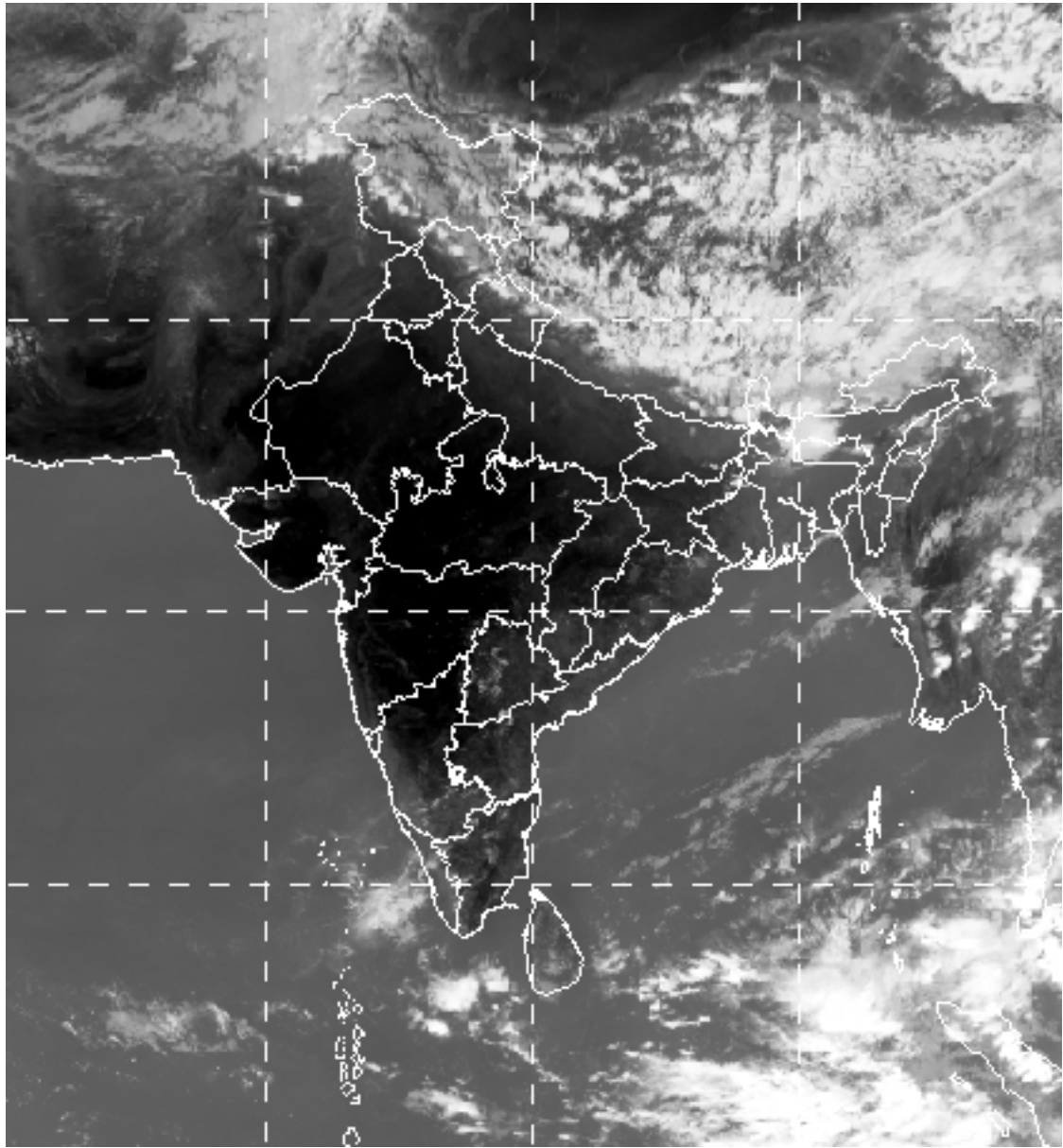
Weather condition

Light rainfall received in West Bengal state during this past few days. Maximum temperature ranged from 35.0 to 38.6 °C and minimum temperature ranged from 23.0 to 29.4 °C.

Contingency measure:

- Boro-rice: Plants are now in milking to grain filling stage for timely sown crop. In the present weather situation there is a chance for the spread of Yellow stem borer in late sown crop and Gundhi bug in timely sown crop. If there is 1 egg cluster or 1-2 adult moths of yellow stem borer per sq. m farmers are requested to spray Cartap or Acephate or Fipronil @ 1ml per lt. of water. If there is 1 adult Gundhi bug per 5 hills of plants apply Carbaryl or Fenvalerate as control. As there is forecast of high winds so farmers are advised to spray during morning hours. Give irrigation according to the rainfall occurrence as there is a forecast of rainfall in coming days.

- Jute: Continue sowing operation as there is chance of rainfall for coming days. For seed treatment apply *Trichoderma viridi* 10 gm/kg of seed or can also apply Carbendazim 50% or Captan 80% 3 gm /kg of seed.
- Sesame and Moong: Continue sowing operation. Sesame: It is the time for flower initiation stage for timely sown sesame crops. According the amount of actual rainfall, irrigate the crop.
- Summer vegetable: As there is forecast of high temperature and humidity, there is a possibility of attack of the fungal diseases like fruit rot, stem rot or powdery mildew. To prevent it apply blitox (4 gram) or carbendazim (1 g) for rot and for powdery mildew apply hexaconazole or dinocap or propiconazole @ 1 ml per lt. water.
- Mango: Due to humidity, some diseases may occur. To avoid this, chemical measure should be applied properly.



**Figure: 1. Latest available satellite picture as on 25 April 2018 at 0230 Hrs (IST).
(Source: IMD).**

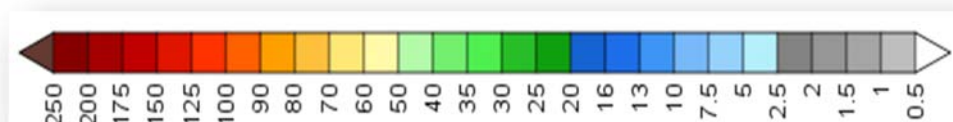
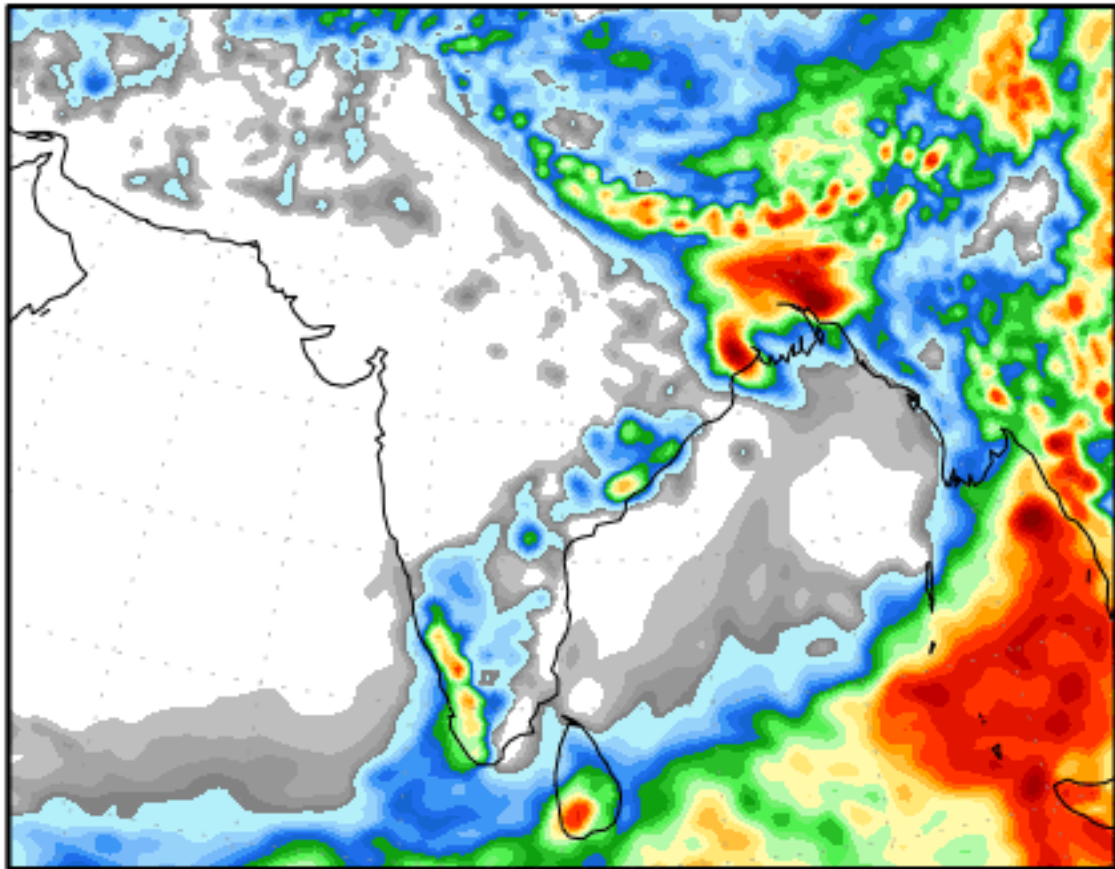


Figure: 2. Precipitation forecast for 25 April to 02 May 2018 (Source: NOAA NCEP).