

# **All India Coordinated Research Project on Agrometeorology**

## **CRIDA, Santoshnagar, Hyderabad – 500 059**

### **Daily Crop Weather Information as on 09 August 2018**

**Attention: Rajiv Maheshwari, OSD, ICAR**

#### **Significant Weather Features (IMD)**

- The low pressure area over East Madhya Pradesh & neighbourhood now lies over central parts of north Madhya Pradesh and neighbourhood. Associated cyclonic circulation extends upto 4.5 km above mean sea level. The low pressure area is likely to become less marked by tomorrow. Subsequently the western part of the monsoon trough is likely to shift northwards from 11th August.
- Under the above scenario, fairly widespread to widespread rainfall with isolated heavy falls is very likely over Madhya Pradesh during next 48 hours and over Rajasthan and Gujarat during next 24 hours. Thereafter, the rainfall belt is likely to shift over to Uttar Pradesh, Western Himalayan region and eastern parts of India during 11th to 13th August.
- The ongoing rainfall activity over Kerala, Karnataka and Ghat areas of Tamilnadu is likely to reduce in intensity from tomorrow.
- Very heavy and extremely heavy rain occurred at isolated places over Kerala; Heavy to very Heavy rain occurred at isolated places over Nagaland, Manipur, Mizoram & Tripura, Coastal & South Interior Karnataka, Tamilnadu and heavy rain occurred at isolated places over East Rajasthan, Chhattisgarh, West Madhya Pradesh, Odisha, Konkan & Goa and Gujarat region from 0830 hrs IST of yesterday to 0830 hrs IST of today.
- 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 observed at most places over Jammu & Kashmir, West Madhya Pradesh, Gangetic West Bengal, Chhattisgarh, Konkan & Goa, Karnataka and Kerala; at many places over Punjab, Himachal Pradesh, Uttarakhand, East Madhya Pradesh, Vidarbha, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura; at a few places over Haryana, Chandigarh & Delhi, West Rajasthan, Sub Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar islands, Assam & Meghalaya, Madhya Maharashtra, Coastal Andhra Pradesh, Telangana, Tamilnadu & Puducherry and at isolated places over Uttar Pradesh, East Rajasthan, Bihar, Gujarat, Marathwada and Rayalaseema.

- Maximum temperature departures as on 08.08.2018: Maximum temperatures were above normal (1.6°C to 3.0°C) at a few places over Tamilnadu & Puducherry and Rayalaseema; at isolated places over West Bengal & Sikkim, Saurashtra & Kutch and Konkan & Goa. They were appreciably below normal (3.1°C to 5.0°C) at many places over Jammu & Kashmir and at isolated places over Haryana, Chandigarh & Delhi, Assam & Meghalaya, Vidarbha, Odisha, Chhattisgarh and Kerala and below normal (1.6°C to 3.0°C) at many places over West Madhya Pradesh and at isolated places over Rajasthan, East Madhya Pradesh, Madhya Maharashtra, Telangana and Coastal Andhra Pradesh and near normal over rest of the country.
- Yesterday, the highest maximum temperature of 37.8°C was recorded at Ganganagar (West Rajasthan) over plains of the country.
- Minimum temperature departures as on 09.08.2018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at isolated places over Jammu & Kashmir; above normal (1.6°C to 3.0°C) at many places over Uttarakhand, Sub Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa; at a few places over Saurashtra & Kutch and at isolated places over Assam & Meghalaya, West Uttar Pradesh, Tamilnadu and Rayalaseema. They are appreciably below normal (3.1°C to 5.0°C) at isolated places over West Madhya Pradesh; below normal (1.6°C to 3.0°C) at a few places over Himachal Pradesh and at isolated places over East Madhya Pradesh and Odisha and near normal over rest of the country.

#### Weather Warning during next 5 days (IMD)

- 09 August (Day 1): Heavy to very heavy rain at isolated places very likely over Coastal & South Interior Karnataka, Tamilnadu and Kerala; heavy rain at isolated places very likely over Rajasthan, Madhya Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat, Konkan & Goa and north Coastal Andhra Pradesh. Rough to very rough Sea conditions are likely to prevail over west central Arabian Sea and along and off Gujarat and north Maharashtra Coasts. Fishermen are advised not to venture into these areas.
- 10 August (Day 2): Heavy rain at isolated places very likely over Uttarakhand, West Madhya Pradesh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal & South Interior Karnataka, Tamilnadu and Kerala. Rough to very rough Sea conditions are likely to prevail over west central Arabian Sea. Fishermen are advised not to venture into this area.
- 11 August (Day 3): Heavy to very heavy rain at isolated places very likely over Uttarakhand and East Uttar Pradesh; heavy rain at isolated places very likely over Himachal Pradesh, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Chhattisgarh, Bihar, Sub Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 12 August (Day 4): Heavy to very heavy rain at isolated places likely over Himachal Pradesh, Uttarakhand, East Uttar Pradesh, Jharkhand and Chhattisgarh; heavy rain at isolated places likely over Jammu & Kashmir, West Uttar Pradesh, East Madhya Pradesh, Bihar,

West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands and Assam & Meghalaya. Rough to very rough Sea conditions are likely to prevail over along and off Maharashtra Coast. Fishermen are advised not to venture into this area.

- 13 August (Day 5): Heavy to very heavy rain at isolated places likely over Himachal Pradesh and Uttarakhand; heavy rain at isolated places likely over Jammu & Kashmir, Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Jharkhand, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Coastal Karnataka and Kerala. Rough to very rough Sea conditions are likely to prevail over along and off Maharashtra Coast. Fishermen are advised not to venture into this area.
- The weather outlook for the period of seven days *i.e* 09 to 16 August 2018 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, Rajasthan, sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Uttar Pradesh, Bihar, Jharkhand, Madhya Pradesh, Chhattisgarh, Odisha, Konkan & Goa, Vidarbha, Madhya Maharashtra, Marathwada, coastal Andhra Pradesh, Telangana, Rayalaseema, Kerala, Andaman & Nicobar Islands and eastern States. (Fig. 2).

## **Agricultural activities (AICRPAM-CRIDA)**

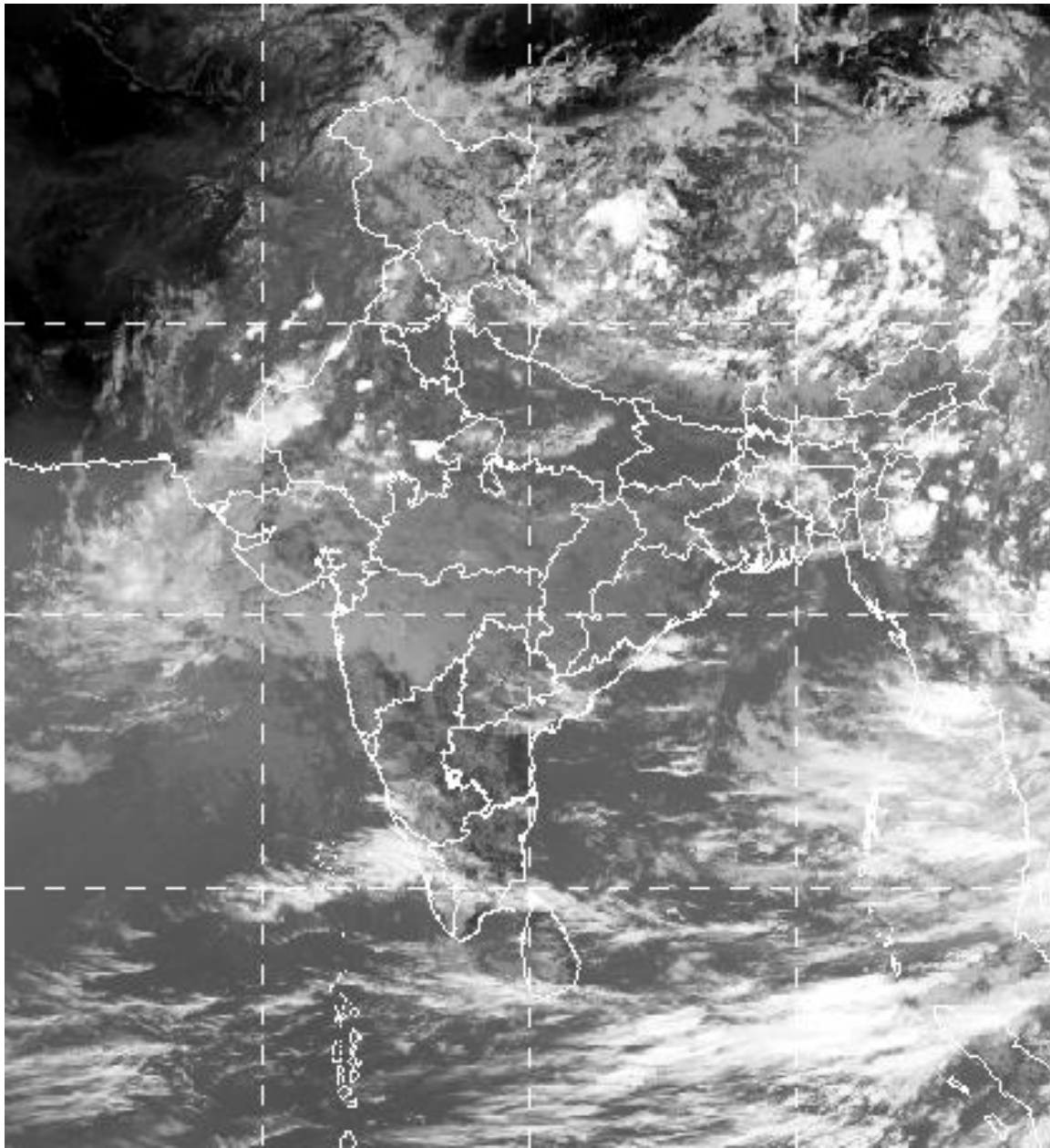
### **Gujarat**

#### **Weather condition**

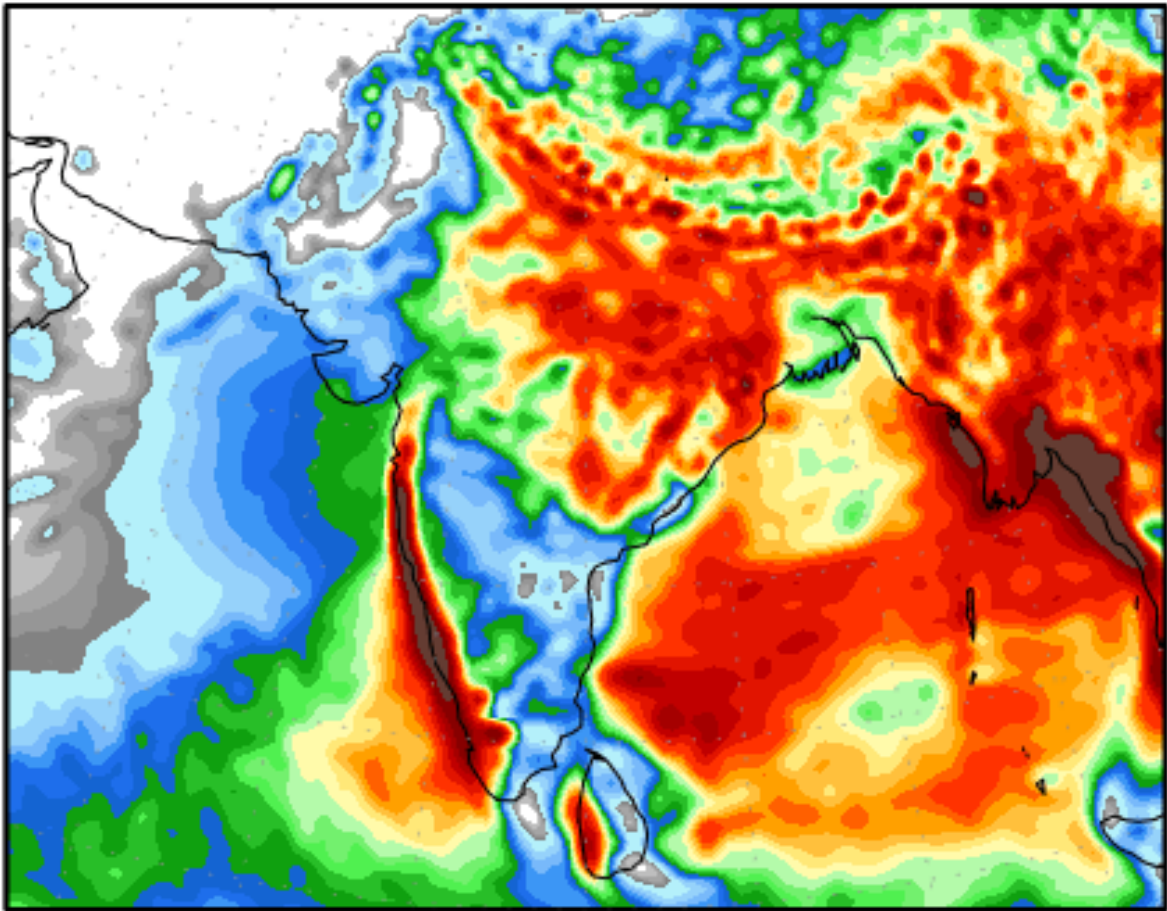
Light rainfall received in Gujarat state during past few days. The actual maximum temperature is 1.7°C higher and minimum temperature is 0.3°C lower as compared to normal values.

#### **Contingency measure:**

- Inter-culturing and hand weeding operations should be carried out in early sown crop. If needed, gap filling and thinning should be done in timely sown crop. Pearl millet : Thinning and gap filling.
- Cotton: Vegetative growth. Weeding and inter-culturing should be done at vasper condition. Transplant the tomato, brinjal, chilly and other vegetables early sown in nursery and control nursery pest and disease. It is the best time for plantation of fruit orchard.
- Cattle: Ensure proper vaccination at onset of monsoon. Spray phenyl in the animal shed to avoid flies, mosquitoes. Dispose the dung/ urine left over the feed properly.



**Figure: 1. Latest available satellite picture as on 09 August 2018 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 09 to 16 August 2018 (Source: NOAA NCEP).**