

# All India Coordinated Research Project on Agrometeorology

## CRIDA, Santoshnagar, Hyderabad – 500 059

### Daily Crop Weather Information as on 09 October 2020

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

#### Significant Weather Features (IMD)

- The withdrawal line of the Southwest Monsoon continues to pass through Lat. 28°N/ Long.83°E, Faizabad, Fatehpur, Nowgong, Rajgarh, Ratlam, Vallabh Vidyanagar, Porbandar, Lat. 21°N/ Long.65°E and Lat. 21°N/ Long.60°E.
- A low pressure area has formed over north Andaman Sea & neighbourhood and associated cyclonic circulation extends upto mid-tropospheric levels. It is very likely to concentrate into a Depression over central Bay of Bengal during next 24 hours. It is very likely to move west-northwestwards and cross north Andhra Pradesh & adjoining south Odisha coast as a depression around 11th October afternoon/evening. Under its influence:
  - i) Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places very likely over Andaman & Nicobar Islands on 9th October and heavy rainfall from 10th to 12th October.
  - ii) Fairly widespread to widespread rainfall with isolated heavy fall on 10th October and very heavy falls on 11th October very likely over Coastal Andhra Pradesh; with isolated heavy to very heavy falls over Odisha on 11th & 12th October.
  - iii) Fairly widespread to widespread rainfall with isolated heavy fall would occur over Telangana, Rayalaseema and North Interior Karnataka on 10th-11th October.
  - iv) Squally winds (speed reaching 45-55 kmph) would occur over Central Bay of Bengal & north Andaman Sea from 10th to 11th October.
  - v) Squally weather with wind speed reaching 45-55 kmph gusting to 65 Kmph would occur over westcentral & adjoining north Bay of Bengal and along & off Andhra Pradesh & Odisha coast commencing from 10th October night for subsequent 36 hours.
  - vi) Sea condition will be rough to very rough over north Andaman Sea, eastcentral & adjoining southeast Bay of Bengal on 9th & 10th October; westcentral Bay of Bengal on 10th & 11th October; adjoining north Bay of Bengal

and along & off Andhra Pradesh & Odisha coast on 11th October. Fishermen are advised not to venture into these areas.

- Moderate thunderstorm with lightning very likely at isolated places over Coastal Andhra Pradesh, Telangana and Vidarbha next 12 hours.
- Dry weather very likely over most parts of northwest India during next 5 days
- The images showing the latest satellite picture in the figure. 1.

### **Main Weather Observations (IMD)**

- Rain/Thundershowers observed (from 0830 hours IST to 1730 hours IST of yesterday): at many places over Andaman & Nicobar Islands; at a few places over Chhattisgarh and Coastal Andhra Pradesh & Yanam and at isolated places over Assam & Meghalaya, West Bengal & Sikkim, Odisha, Jharkhand, Madhya Pradesh, Vidarbha, Kerala & Mahe and Lakshadweep
- Thunderstorm observed (from 0830 hours IST of yesterday to 0530 hours IST of today): at isolated places over Gangetic West Bengal, Odisha, Chhattisgarh, Vidarbha, Coastal Andhra Pradesh & Yanam, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.
- Maximum Temperature Departures as on 08-10-2020: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad; at a few places over Uttarakhand; at isolated places over Himachal Pradesh, West Uttar Pradesh, West Rajasthan, Arunachal Pradesh and Assam & Meghalaya; above normal (1.6°C to 3.0°C) at most places over Punjab, Nagaland, Manipur, Mizoram & Tripura and South Interior Karnataka; at many places over Sub-Himalayan West Bengal & Sikkim; at a few places over Haryana, Chandigarh & Delhi, East Uttar Pradesh, Madhya Pradesh, Bihar and Gangetic West Bengal; at isolated places over Gujarat State, Konkan & Goa, Madhya Maharashtra, Coastal & North Interior Karnataka, Rayalaseema, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal. They were appreciably below normal (-3.1°C to -5.0°C) at isolated places over Telangana; below normal (-1.6°C to -3.0°C) at a few places over Vidarbha; at isolated places over Andaman & Nicobar Islands and near normal over rest parts of the country. The highest maximum temperature of 39.7°C was reported at Churu (West Rajasthan).
- Minimum Temperature Departures as on 08-10-2020: Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Sub-Himalayan West Bengal & Sikkim and Jharkhand at a few places over Bihar; above normal (1.6°C to 3.0°C) at many places over Assam & Meghalaya, Odisha,

Konkan & Goa and Coastal Karnataka; at a few places over Arunachal Pradesh, Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, West Rajasthan, Madhya Pradesh, Gangetic West Bengal, Coastal Andhra Pradesh & Yanam, Madhya Maharashtra, Lakshadweep, Kerala & Mahe and Andaman, Nicobar Islands and at isolated places over Punjab, East Rajasthan, East Uttar Pradesh, South Interior Karnataka, Nagaland, Manipur, Mizoram & Tripura and Tamil Nadu, Puducherry & Karaikal. They are below normal (-1.6°C to -3.0°C) at a few places over Haryana, Chandigarh & Delhi and at isolated places over West Uttar Pradesh and near normal over rest parts of the country. The lowest minimum temperature of 17.7°C was reported at Bhilwara (East Rajasthan) over the plains of the country.

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

- 09 October (Day 1): Heavy to very heavy rainfall very likely at isolated places over Andaman & Nicobar Islands and Tamil Nadu, Puducherry & Karaikal and heavy rainfall at isolated places over Chhattisgarh, Telangana and Kerala & Mahe. Thundersquall (speed reaching 50-60 kmph) very likely at isolated places over Andaman & Nicobar Islands; thunderstorm with lightning at isolated places over East Uttar Pradesh, East Madhya Pradesh, Coastal Andhra Pradesh, Telangana, Vidarbha, Chhattisgarh, Gangetic West Bengal, Madhya Maharashtra and Marathawada. Squally Winds (speed reaching 45-55 kmph) likely over Central Bay of Bengal and north Andaman Sea, Squally weather with wind (speed reaching 40-50 kmph ) likely over Andaman Islands. Fishermen are advised not to venture into these areas.
- 10 October (Day 2): Heavy rainfall very likely at isolated places over Vidarbha, Andaman & Nicobar Islands, Madhya Maharashtra, Marathawada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Interior Karnataka. Thunderstorm with lightning at isolated places over East Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Andaman & Nicobar Islands and Maharashtra & Goa. Squally weather with surface wind (speed reaching 45-55 kmph gusting to 65 kmph) very likely over westcentral & adjoining north Bay of Bengal, along & off Andhra Pradesh and Odisha coasts; Squally Winds (speed reaching 45-55 kmph) likely over Central Bay of Bengal and north Andaman Sea. Squally weather with wind (speed reaching 40-50 kmph ) likely over Andaman Islands. Fishermen are advised not to venture into these areas.
- 11 October (Day 3): Heavy to very heavy rainfall likely at isolated places over Odisha and Coastal Andhra Pradesh & Yanam; heavy rainfall at isolated places

over Vidarbha, Chhattisgarh, Andaman & Nicobar Islands, Marathawada, Rayalaseema, Telangana and Interior Karnataka. Thunderstorm with lightning likely at isolated places over West Madhya Pradesh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Madhya Maharashtra, Konkan & Goa and Marathawada. Squally weather with surface wind (speed reaching 45-55 kmph gusting to 65 kmph) likely over westcentral & adjoining north Bay of Bengal, along & off Andhra Pradesh and Odisha coasts; Squally Winds (speed reaching 45-55 kmph) likely over Central Bay of Bengal and north Andaman Sea. Squally weather with wind (speed reaching 40-50 kmph ) likely over Andaman Islands. Fishermen are advised not to venture into these areas.

- 12 October (Day 4): Heavy to very heavy rainfall likely at isolated places over Odisha and heavy rainfall at isolated places over East Madhya Pradesh, Vidarbha, Chhattisgarh and Andaman & Nicobar Islands. Thunderstorm with lightning likely at isolated places over West Madhya Pradesh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Madhya Maharashtra, Konkan & Goa and Marathawada. Squally wind (speed reaching 45-55 kmph) likely over Southwest & adjoining Westcentral Bay of Bengal, along & off Andhra Pradesh coast and north Andaman Sea. Fishermen are advised not to venture into these areas.
- 13 October (Day 5): Heavy rainfall likely at isolated places over Telangana, Marathwada, Vidarbha, Assam & Meghalaya and Andaman & Nicobar Islands. Thunderstorm with lightning likely at isolated places over Madhya Pradesh, Bihar, Jharkhand, coastal Andhra Pradesh, Chhattisgarh, East Uttar Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Strong wind (speed reaching 45-55 kmph) likely over eastcentral Bay of Bengal and north Andaman Sea. Fishermen are advised not to venture into these areas.
- The weather outlook for seven days i.e., 09 to 17 October 2020 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>) rain/thundershower may occur over Some parts of Extreme northern parts of India. (Fig. 2).

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

### **Haryana**

#### **Weather condition:**

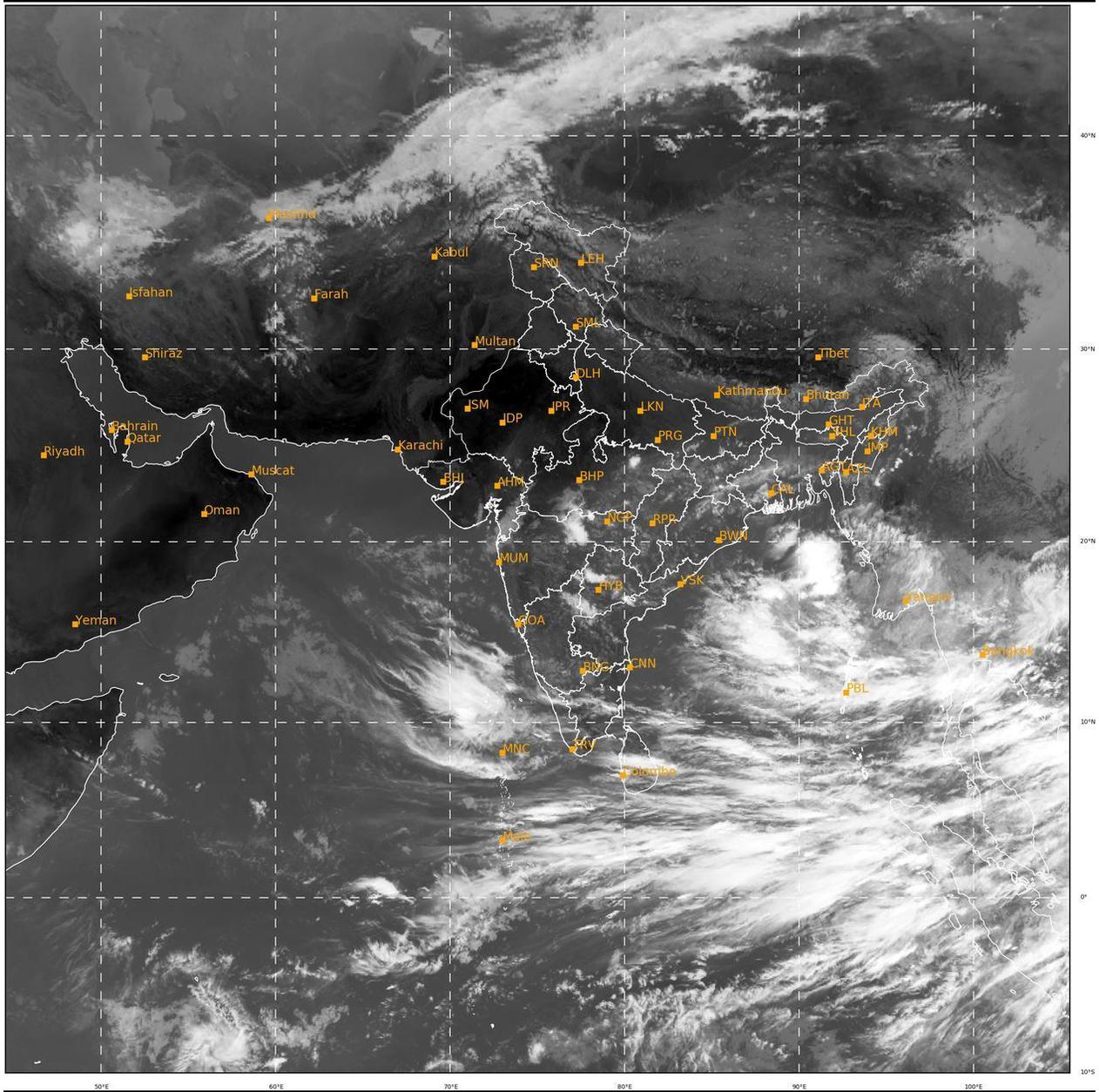
Generally clear weather with scattered clouds was occurred during the period. Maximum temperature was observed above the normal temperature and minimum temperature was observed below the normal except 1 october during this week. About 33.8 mm evaporation was observed in this week. Actual sunshine was ranged from 7.7 hr to 8.6 hr. North easterly wind dominated during the period.

### Contingency measure:

- Weather Forecast: Weather likely to be variable. Due to partial WD, chances of light rainfall with thunderstorm/ lightening on 31st March at isolated places. In remaining days, weather will be dry with partly cloudy condition. General advised: In view of variable weather, farmers are advised to apply irrigation and chemical spray as per crop need in rabi crops.
- Wheat: Irrigate the crop as per its requirement. Keep monitoring for rust and smut.
- Mustard/Raya: Keep variable weather in mind during harvesting and threshing of mustard/other oilseed crops.
- Fodder/Barseem: Apply irrigation accordance of crop need.
- Vegetables/Fruits: Apply need based irrigation in vegetable crops. Keep vigil for insect-pest and diseases and follow proper weed control measures.
- Fishery Maintain good amount of water in pond to save fishes from variable weather.
- Live stock management: Protect the animals from variable weather conditions and provide proper ventilation and dry bedding. Provide 50 grams iodized salt and 50 to 100 grams mineral mixture daily along with animal feed/fodder, green fodder to keep them healthy.

SAT : INSAT-3D IMG  
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L1C Mercator

09-10-2020/(0600 to 0627) GMT  
09-10-2020/(1130 to 1157) IST

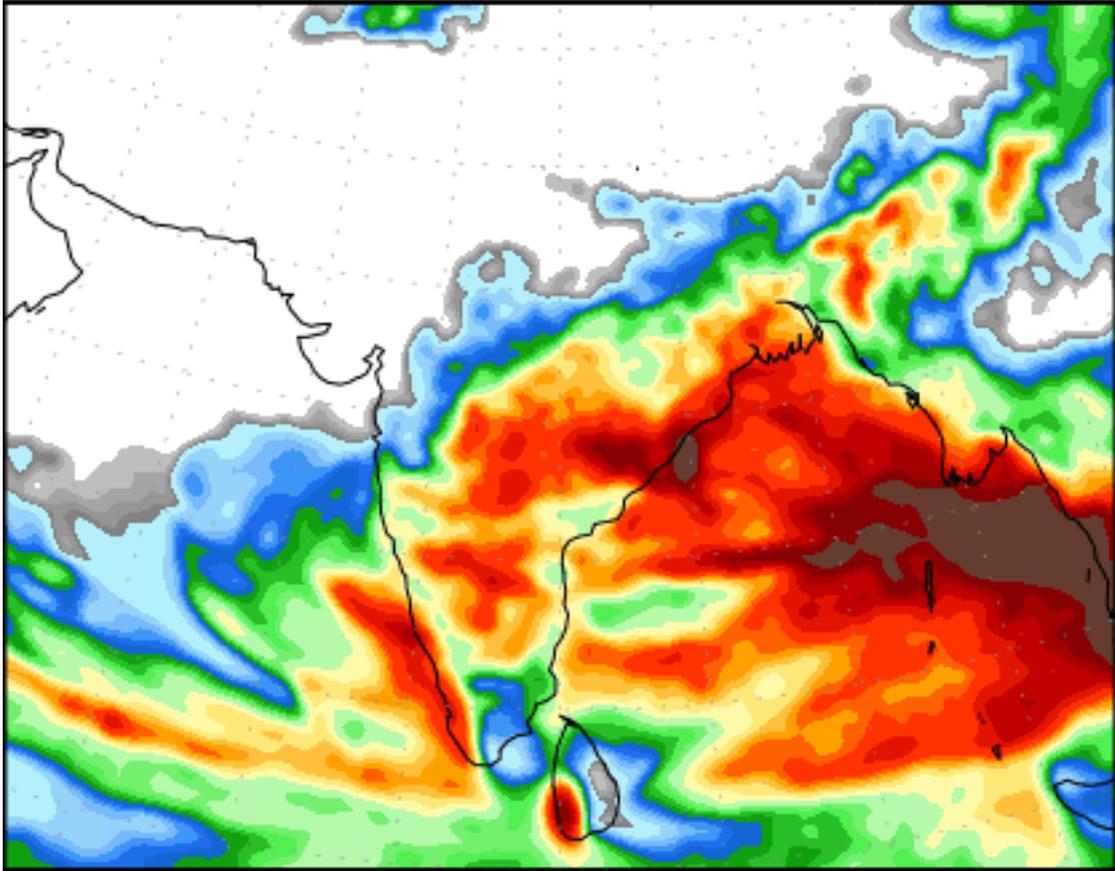


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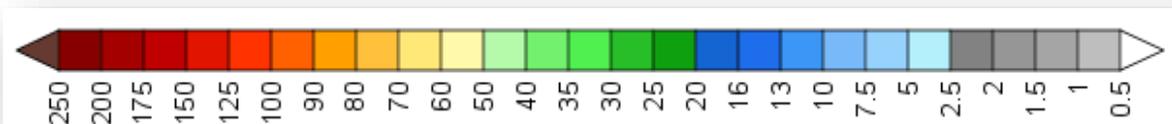
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IMD, DELHI

**Figure: 1. Latest available satellite picture as on 09 October 2020 at 1157 Hrs (IST). (Source: IMD).**



**Figure:2. Precipitation forecast for 09 to 17 October 2020 (Source: NOAA NCEP).**



*Disclaimer: The predictability of weather depends on many dynamic factors. The success of Agromet advisories provided here depends on the accuracy of the forecasts. In no event will India Meteorological Department (IMD) and Indian Council of Agricultural Research (ICAR) be liable to the user or any third party for any direct, indirect, incidental, consequential, special or exemplary damages or lost profit resulting from any use or misuse of the information on this bulletin.*