

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 02 August 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Eastern end of the Monsoon trough has shifted to the north and is running towards Manipur across Assam & Meghalaya. Western part of the trough has also shifted northwards since yesterday.
- A fresh Low Pressure Area is likely to develop over northeast Bay of Bengal around 04th August.
- A gradual increase in rainfall is very likely over western Himalayan region, Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh during next 2-3 days. Presence of an east - west trough in the mid tropospheric level is likely to cause fairly widespread to widespread rainfall with isolated heavy to very heavy falls over Gujarat Region and Southeast Rajasthan during next 2 days.
- The rainfall activity along the west coast is likely to increase further from 03rd August.

The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rain/Thunder showers observed (from 0830 hrs IST to 1730 hours IST of yesterday): at most places over Jammu & Kashmir, Himachal Pradesh, Gujarat State, Konkan & Goa, Coastal Karnataka and Coastal Andhra Pradesh; at many places over Madhya Maharashtra; at a few places over Saurashtra & Kutch, Vidarbha, Marathwada, North Interior Karnataka and Telangana and at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Rajasthan, Madhya Pradesh, Rayalaseema, Coastal & South Interior Karnataka, Kerala, Bihar, Jharkhand, Chhattisgarh, Odisha and Andaman & Nicobar Islands.
- Yesterday, heavy rainfall was observed at isolated places over Himachal Pradesh, East Rajasthan & Madhya Maharashtra.

- Thunder storm observed (from 0830 hours IST of yesterday to 0530 hours IST of today): at isolated places over Jammu & Kashmir, Punjab, Rajasthan, Madhya Pradesh, Assam & Meghalaya, Gangetic West Bengal and Coastal Andhra Pradesh & Yanam.
- Maximum temperature departures as on 01-08-2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Kerala and Tamil Nadu, Puducherry & Karaikal; above normal (1.6°C to 3.0°C) at most places over South Interior Karnataka & Rayalaseema; at many places over Sub-Himalayan West Bengal & Sikkim; at a few places over West Rajasthan, Bihar, Coastal Karnataka, Haryana, Chandigarh & Delhi, Uttar Pradesh and Gangetic West Bengal. They were markedly below normal (-5.1°C or less) at many places over Vidarbha and at isolated places over West Madhya Pradesh, Madhya Maharashtra; appreciably below normal (-3.1°C to -5.0°C) at a few places over Himachal Pradesh; at isolated places over Jammu & Kashmir and Gujarat region; appreciably below normal (-3.1°C to -5.0°C) at isolated places over Madhya Pradesh and Coastal Andhra Pradesh; below normal (-1.6°C to -3.0°C) at most places over Chhattisgarh & Vidarbha; at a few places over Saurashtra & Kutch, Odisha, Madhya Maharashtra & Telangana and at isolated places over East Rajasthan and Assam & Meghalaya and near normal over rest parts of the country. Yesterday's the highest maximum temperature of 39.2°C was recorded at Bikaner (West Rajasthan).
- Minimum temperature departures as on 01-08-2019: Minimum temperatures were above normal (1.6°C to 3.0°C) at most places over Uttarakhand and Konkan & Goa; at many places over East Rajasthan and Kerala; at few places over Jammu & Kashmir, West Rajasthan, East Uttar Pradesh, Tamil Nadu, Puducherry & Karaikal and Rayalaseema; at isolated places over Sub-Himalayan West Bengal & Sikkim. They were appreciably below normal (-3.1°C to -5.0°C) at isolated places over Madhya Pradesh and below normal (-1.6°C to -3.0°C) at a few places over Vidarbha; at isolated places over Himachal Pradesh, Rayalaseema, Telangana, Odisha and Assam & Meghalaya and near normal over rest parts of the country.

Weather Warning during next 5 days (IMD)

- 02 August (Day 1): Heavy to very heavy rainfall very likely at isolated places over East Rajasthan, West Madhya Pradesh, Gujarat Region and Konkan & Goa and heavy rainfall at isolated places over Jammu & Kashmir, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Rajasthan, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Saurashtra & Kutch, Madhya Maharashtra and Coastal Karnataka. Strong winds, speed reaching 40-50 kmph, are likely to prevail over southwest, east central & west central Arabian Sea; west central & east central Bay of Bengal and along & off Gujarat-Maharashtra-Goa coasts. Fishermen are advised not to venture into these areas.

- 03 August (Day 2): Heavy rainfall at a few places with very heavy falls likely at isolated places over Konkan & Goa; Heavy to very heavy rainfall at isolated places over East Rajasthan, Gujarat Region and Madhya Maharashtra and Heavy rainfall at isolated places over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Madhya Pradesh, Odisha, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and Coastal Karnataka. Strong winds, speed reaching 40-50 kmph, are likely to prevail over southwest, east central, west central & northeast Arabian Sea; west central & east central Bay of Bengal and along & off Gujarat-Maharashtra-Goa- Karnataka coasts. Fisher men are advised not to venture into these areas.
- 04 August (Day 3): Heavy to very heavy rainfall at a few places with extremely heavy falls likely at isolated places over Konkan & Goa; Heavy to very heavy rainfall with extremely heavy falls likely at isolated places over Madhya Maharashtra; Heavy to very heavy rainfall at isolated places over Odisha and Heavy rainfall at isolated places over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Rajasthan, Jharkhand, Coastal Karnataka and Kerala & Mahe. Strong winds, speed reaching 40-50 kmph, are likely to prevail over southwest, east central, west central & northeast Arabian Sea; west central, east central & north Bay of Bengal and along & off Maharashtra-Goa-Karnataka-West Bengal-Odisha coasts. Fishermen are advised not to venture into these areas.
- 05 August (Day 4): Heavy to very heavy rainfall likely at isolated places over Punjab, Madhya Maharashtra, Konkan & Goa and Odisha and Heavy rainfall at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Rajasthan, West Uttar Pradesh, Coastal Andhra Pradesh, Kerala & Mahe, Coastal Karnataka, Gangetic West Bengal and Jharkhand. Strong winds, speed reaching 40-50 kmph, are likely to prevail over southwest, east central, west central & northeast Arabian Sea; west central, east central & north Bay of Bengal and along & off Karnataka-West Bengal- Odisha coasts. Fishermen are advised not to venture into these areas.
- 06 August (Day 5): Heavy to very heavy rainfall likely at isolated places over Uttarakhand, Konkan & Goa, south Odisha, South Chhattisgarh and Coastal Karnataka and Heavy rainfall at isolated places over East Rajasthan, Gangetic West Bengal, Coastal Andhra Pradesh & Yanam and Kerala & Mahe. Strong winds, speed reaching 40-50 kmph, are likely to prevail over southwest, east central, west central & northeast Arabian Sea; west central, east central & north Bay of Bengal and along & off Karnataka-West Bengal- Odisha coasts. Fishermen are advised not to venture into these areas.
- The weather outlook for the period of seven days *i.e.*, 02 August to 10 August 2019 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thunder shower may occur over Sub-Himalayan

West Bengal & Sikkim, Bihar, Madhya Pradesh, Odisha, Konkan & Goa, Vidarbha, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh, Rayalaseema, North Interior Karnataka, Coastal & South Interior Karnataka, Kerala, Tamil Nadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Maharashtra (Konkan region)

Weather condition:

Moderate to very heavy rainfall received in isolated places in Konkan region state during past few days. The maximum temperature was ranged between 26-31°C and minimum temperature was ranged between 23-25°C

Contingency measure:

- During next five days there is forecast for heavy rain, make arrangement for drain out excess water from rice field During next five days there is forecast for heavy rainfall, hence it is advised to postpone application of second split dose of nitrogenous fertilizers i.e. urea @ 87 kg/ha to rice crop at tillering stage. Apply fertilizer when intensity of rainfall is low. Finger millet: During next five days there is forecast for heavy rain, make arrangement for drain out excess water from finger millet field
- Coconut and Arecanut: During next five days there is forecast for heavy rain, make arrangement for drain out excess water from coconut and arecanut orchard Arecanut: Give second dose of 0.3 % solution of Fosetyl Al fungicide for control of koleroga disease in arecanut by root feeding. select feeding root of arecanut plant then take slant cut to the tip of the root. Prepare 0.3 % solution of Fosetyl Al by mixing 3 gm. per liter. Fill the two plastics bags with 100 ml. above prepare solution and dip the above selected roots in to the plastics bag ensuring the cut portion will always remain in the solution. Tie the bag to the roots. Due to high intensity of rainfall during next five days, postpone the 2nd spray of 1% bordo mixture for control of incidence of koleroga disease in arecanut orchard and spray when the intensity of rainfall is low also mix stickers in bordo mixture solution at the time of spraying
- New plantation: During next five days there is forecast for heavy rain, make arrangement for drain out excess water from fruit crop orchard
- Vegetable crops: During next five days there is forecast for heavy rain, make arrangement for drain out excess water from vegetable crop field. Follow earthing

up operation in Okra, Brinjal, Tomato, Chilli etc. vegetable crops. Also provide support to crop as there is forecast of high wind speed

- Milch animals/Goat/Poultry: Provide clean and hygienic drinking water to farm animals also protect farm animals from rain

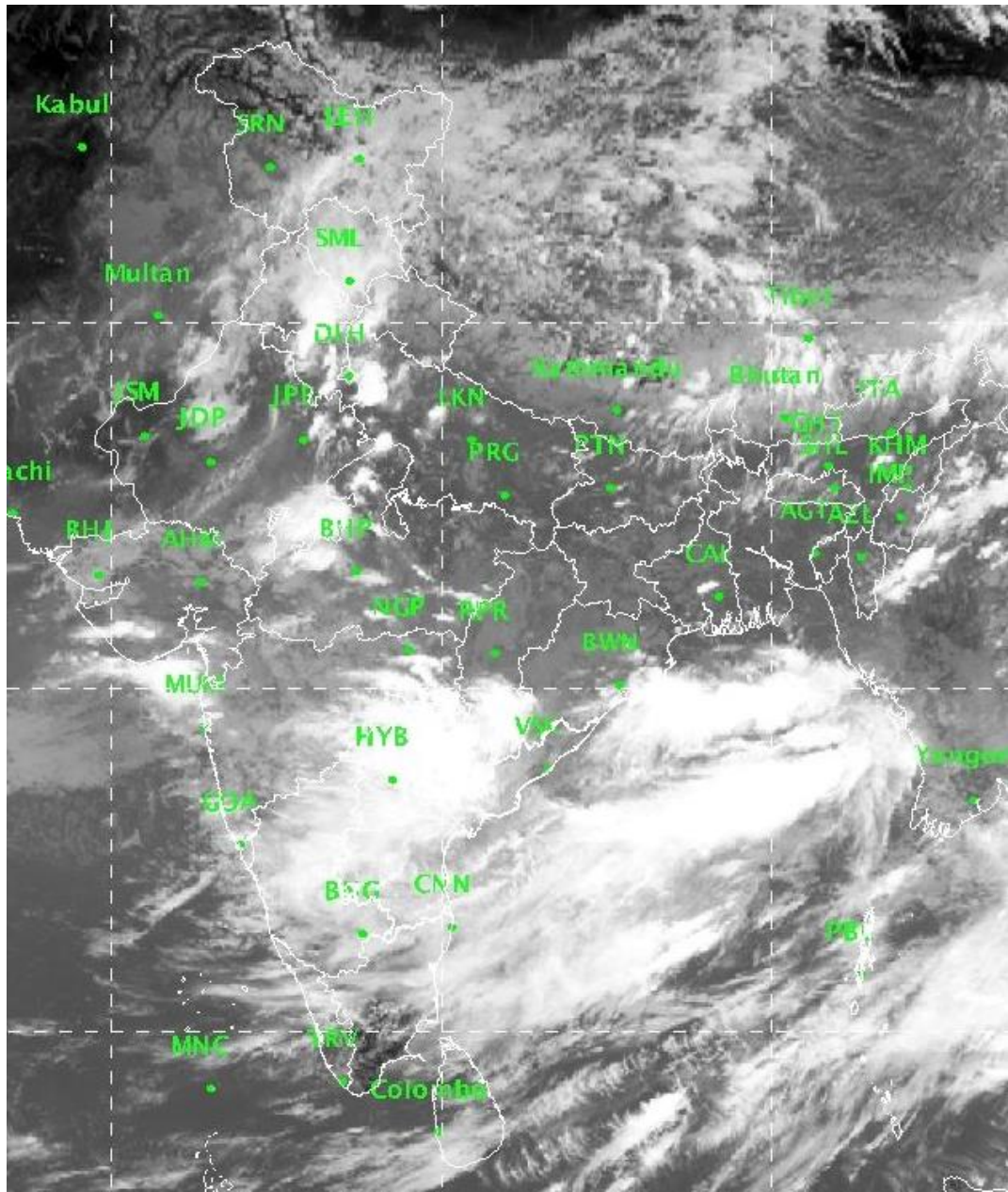


Figure: 1. Latest available satellite picture as on 02 August 2019 at 11:30 Hrs (IST).

(Source: IMD).

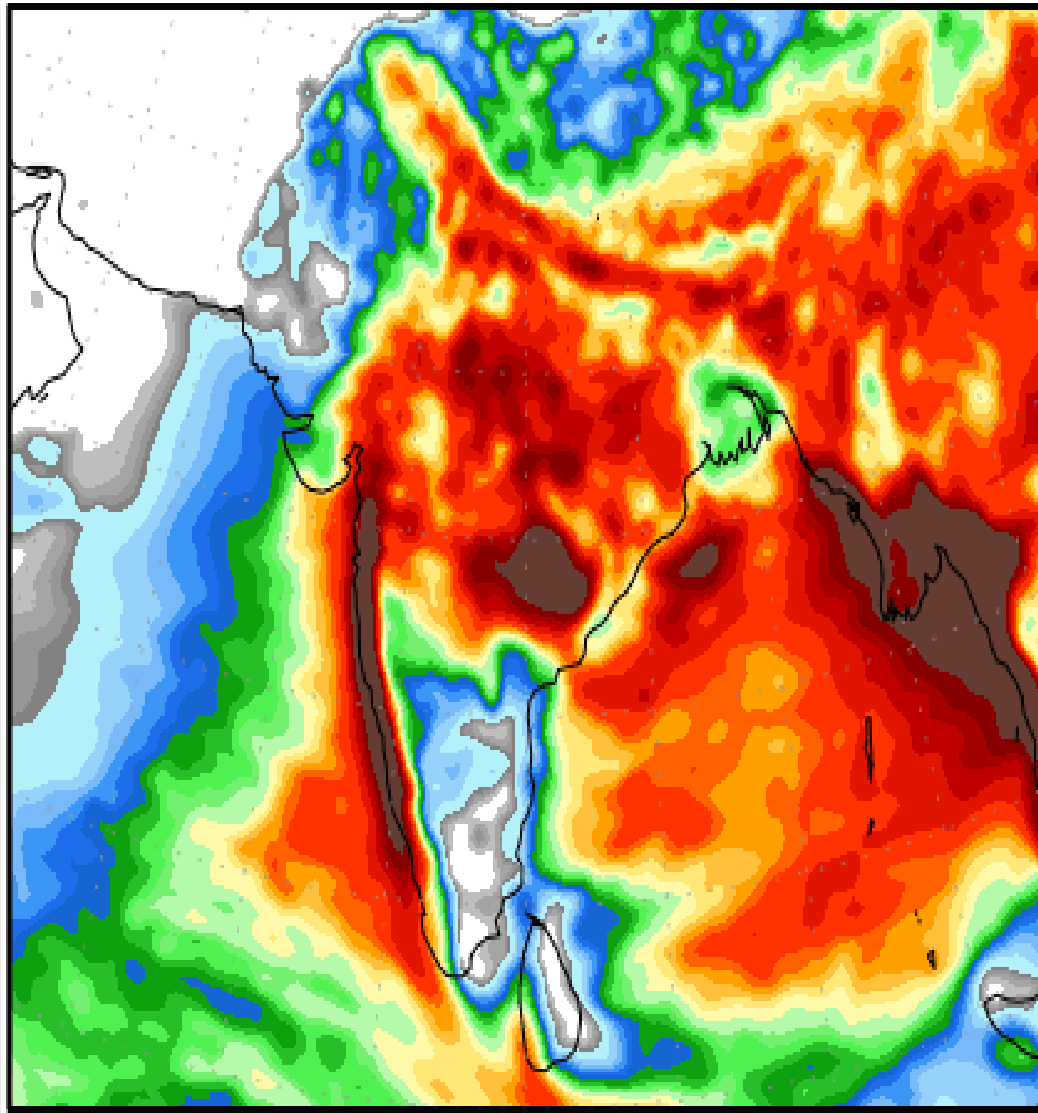


Figure: 2. Precipitation forecast for 02 August to 10 August 2019 (Source: NOAA NCEP).