

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 08 August 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The Deep Depression over south Jharkhand & neighbourhood moved west-northwestwards with a speed of about 28 kmph in last six hours weakened into a Depression and lay centered at 0530 hours IST of today, the 8th August, 2019 near Latitude 22.8°N and Longitude 84.0°E, over northeast Chhattisgarh & neighbourhood, about 90 km south-southeast of Ambikapur (Chhattisgarh) and about 140 km west-south of Ranchi (Jharkhand). It is very likely to continue to move west-northwestwards and weaken gradually.
- Fairly widespread to widespread rainfall with isolated heavy to very heavy falls are very likely over Odisha, Chhattisgarh, Gangetic West Bengal, Bihar, Jharkhand, Vidarbha and northern parts of Andhra Pradesh & Telangana during next 24 hours; over Madhya Pradesh during next 2 days; over Madhya Maharashtra, Konkan & Goa, Kerala and Karnataka during next 3 days and over Gujarat on 9th and 10th August.
- Isolated extremely heavy falls are also likely over south Odisha, south Chhattisgarh and East Madhya Pradesh on 7th August; ghat areas of Madhya Maharashtra, Konkan & Goa, Kerala and Coastal & South Interior Karnataka during next 2 days; south Madhya Pradesh on 7th & 8th, over East Rajasthan on 8th and over Gujarat on 9th August.

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

Main Weather Observations (IMD)

- Rain/Thunder showers observed (from 0830 hours IST to 1730 hours IST of yesterday): at most places over Vidarbha, Coastal & Interior Karnataka, Telangana, Kerala & Mahe, Chhattisgarh, Jharkhand, Odisha and Gangetic West Bengal; at many places over Himachal Pradesh, East Rajasthan, Madhya Pradesh, East Uttar Pradesh, Konkan & Goa, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal; at a few places over Sub-Himalayan West Bengal & Sikkim and Rayalaseema and at isolated places over Jammu & Kashmir, Uttarakhand, West Uttar Pradesh, Gujarat Region, Assam &

Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Andaman & Nicobar Islands.

- Yesterday, Very heavy rainfall observed at isolated places over Chhattisgarh and Heavy Rainfall at isolated places over Madhya Maharashtra, East Madhya Pradesh, Odisha and Gangetic West Bengal.
- Thunder storm observed (from 0830 hours IST of yesterday to 0530 hours IST of today): at a few places over Madhya Pradesh and at isolated places over Jammu & Kashmir, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Chhattisgarh, Jharkhand, Coastal Karnataka, Tamil Nadu, Puducherry & Karaikal, Assam & Meghalaya and Kerala & Mahe.
- Maximum temperature departures as on 07-08-2019: Maximum temperatures were markedly above normal (5.1°C or more) at isolated places over Assam & Meghalaya; appreciably above normal (3.1°C to 5.0°C) at a few places over Arunachal Pradesh; at isolated places over Sub-Himalayan West Bengal & Sikkim; above normal (1.6°C to 3.0°C) at many places over Himachal Pradesh and Punjab; at a few places over West Rajasthan, East Madhya Pradesh, Nagaland, Manipur, Mizoram & Tripura, Lakshadweep and Andaman & Nicobar Islands; at isolated places over Uttarakhand and Haryana, Chandigarh & Delhi. They were markedly below normal (-5.1°C or less) at a few places over Telangana and Coastal Andhra Pradesh & Yanam; appreciably below normal (-3.1°C to -5.0°C) at many places over Odisha; at a few places over North Interior Karnataka; at isolated places over Madhya Maharashtra, South Interior Karnataka, East Rajasthan, West Madhya Pradesh and Chhattisgarh; below normal (-1.6°C to -3.0°C) at most places over Marathwada; at a few places over Rayalaseema, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal; at isolated places over Coastal Karnataka and near normal over rest parts of the country.
- Minimum temperature departures as on 07-08-2019: Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Assam & Meghalaya; above normal (1.6°C to 3.0°C) at many places over Punjab, Uttarakhand, Gujarat region and Nagaland, Manipur, Mizoram & Tripura; at a few places over West Rajasthan, Saurashtra & Kutch, Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim and Arunachal Pradesh and at isolated places over Jammu & Kashmir, Himachal Pradesh, East Rajasthan, Vidarbha, Rayalaseema and Tamil Nadu, Puducherry & Karaikal. They were below normal (-1.6°C to -3.0°C) at a few places over Telangana and East Uttar Pradesh and at isolated places over Konkan & Goa, West Uttar Pradesh and Odisha and near normal over rest parts of the country.

Weather Warning during next 5 days (IMD)

- 08 August (Day 1): Heavy to very heavy rainfall at a few places with extremely heavy falls very likely at isolated places over coastal Karnataka and Konkan & Goa; Heavy to very heavy rainfall with extremely heavy falls at isolated places over West Madhya Pradesh, East Rajasthan, Madhya Maharashtra, Kerala & Mahe and South Interior Karnataka; Heavy to very heavy rainfall at isolated places over Tamil Nadu, Puducherry & Karaikal, Gujarat region, East Madhya Pradesh, Vidarbha, Chhattisgarh, West Rajasthan and North Interior Karnataka and Heavy rainfall at isolated places over Uttarakhand, Lakshadweep, Telangana, Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim and Odisha. Strong winds, speed reaching 40-50 kmph, are likely to prevail over north, central & southwest Arabian Sea, central & south Bay of Bengal and along & off West Coast and West Bengal-Odisha-Andhra coasts and Andaman Sea. Fishermen are advised not to venture into these areas.
- 09 August (Day 2): Heavy to very heavy rainfall with extremely heavy falls very likely at isolated places over Gujarat; Heavy to very heavy rainfall at a few places over Coastal Karnataka and at isolated places over East Rajasthan, West Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe and heavy rainfall at isolated places over West Rajasthan and Andaman & Nicobar Islands. Strong winds, speed reaching 40-50 kmph, are likely to prevail over north, central & southwest Arabian Sea, central & south Bay of Bengal and along & off West Coast and West Bengal-Odisha-Andhra coasts and Andaman Sea. Fishermen are advised not to venture into these areas.
- 10 August (Day 3): Heavy to very heavy rainfall likely at isolated places over Gujarat, Coastal Karnataka and Kerala & Mahe and Heavy rainfall at isolated places over Rajasthan, Konkan & Goa, Madhya Maharashtra, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Andaman & Nicobar Islands. Strong winds, speed reaching 40-50 kmph, are likely to prevail over north, central & southwest Arabian Sea and along & off Gujarat Maharashtra-Goa-Karnataka Coasts. Fishermen are advised not to venture into these areas.
- 11 August (Day 4): Heavy rainfall at isolated places over East Rajasthan, Gujarat, Konkan & Goa, Coastal Karnataka, Assam & Meghalaya, Kerala & Mahe and Andaman & Nicobar Islands. Strong winds, speed reaching 40-50 kmph, are likely to prevail over north, central & southwest Arabian Sea and along & off Gujarat Maharashtra-Goa-Karnataka Coasts. Fishermen are advised not to venture into these areas.
- 12 August (Day 5): Heavy rainfall at isolated places over East Rajasthan, Gujarat, Konkan & Goa, Coastal Karnataka, Assam & Meghalaya, Kerala & Mahe and

Andaman & Nicobar Islands. Strong winds, speed reaching 40-50 kmph, are likely to prevail over north, central & southwest Arabian Sea and along & off Gujarat Maharashtra-Goa-Karnataka Coasts. Fishermen are advised not to venture into these areas.

- The weather outlook for the period of seven days *i.e.*, 08 August to 16 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)

West Bengal

Weather condition:

Very light to moderate rainfall received in isolated places in West Bengal state during past few days. The maximum temperature was ranged between 33-34°C and minimum temperature was ranged between 25-27°C

Contingency measure:

- Aman Rice- Moderate to heavy rainfall is expected in coming days. Higher air temperature is also expected in next two days. Complete the transplanting operations with sufficient irrigation. Ensure weed free seed bed and make proper drainage channel. Maintain 5 cm standing water. Apply 1st top dressing in early transplanted crops.
- Jute: Complete the harvesting operation of jute (four months old). At the time of harvesting, cut the leaves in the main-field itself and afterward mix the leaves with top soil by ploughing. This will help in nutrient supply to the next crop. In case of late sown crop, attack of Bihar hairy caterpillar and semi-looper may be prevalent. For both insects, apply 1.5 ml Endosulphan per lit of water.
- Vegetables: In pumpkin, ridge-gourd, pointed gourd and cucumber, there is a chance of attack of Red-Pumpkin Beetle in the weather condition. To control the pest apply Dimecron or rogor (1ml per lit. of water). Brinjal Fruit and shoot borer is very severe in maximum places. Apply Triazophos 40 EC @ 1.5 ml, Spinosad 45 EC @0.2 ml or Cartap Hydrochloride @0.75 g per litre of water alternatively. To reduce attack of Fruit fly and hopper apply Monocrotophos or Fosalone @1.5 ml per lit of water.

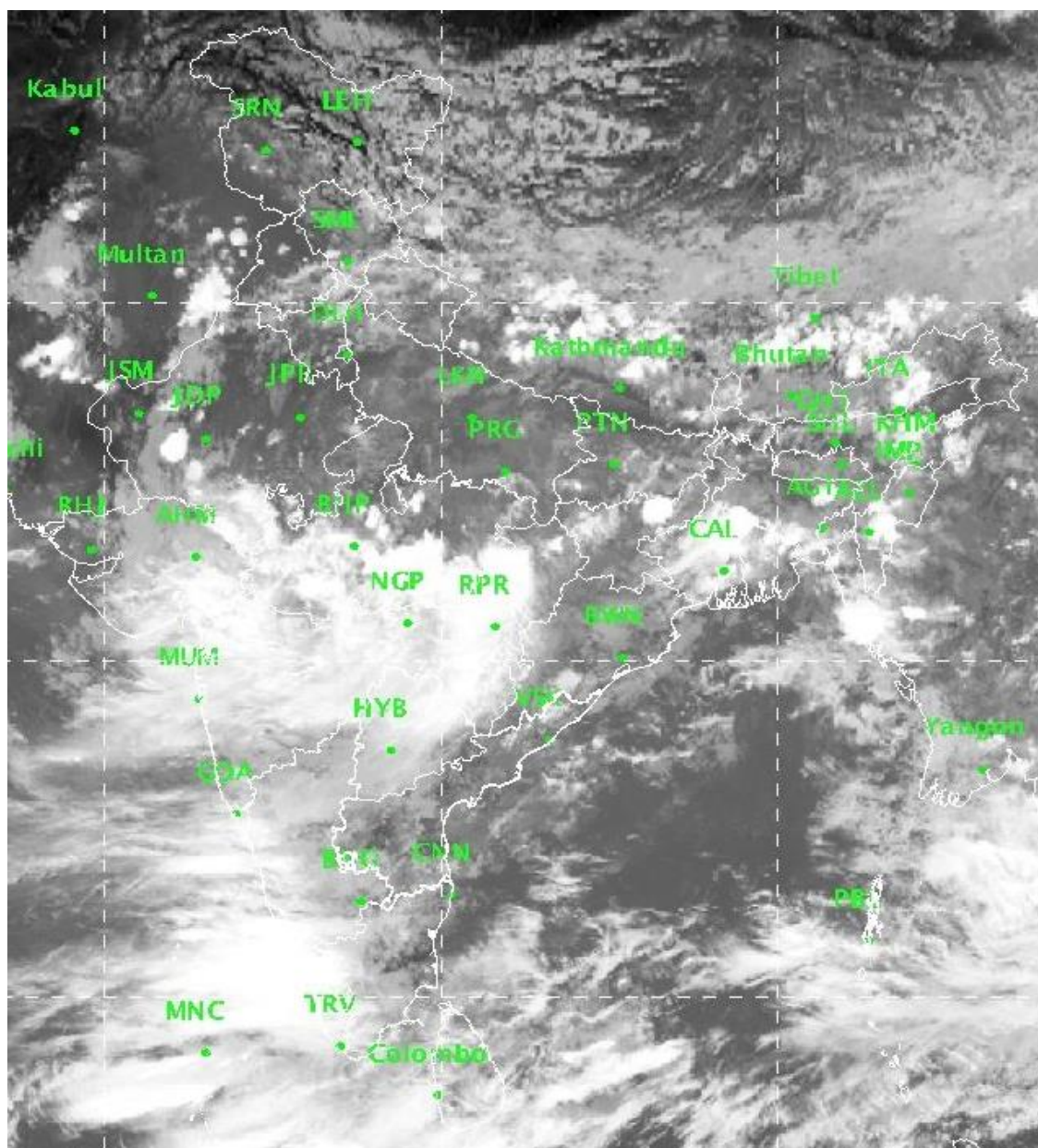


Figure: 1. Latest available satellite picture as on 08 August 2019 at 13:00 Hrs (IST).

(Source: IMD).

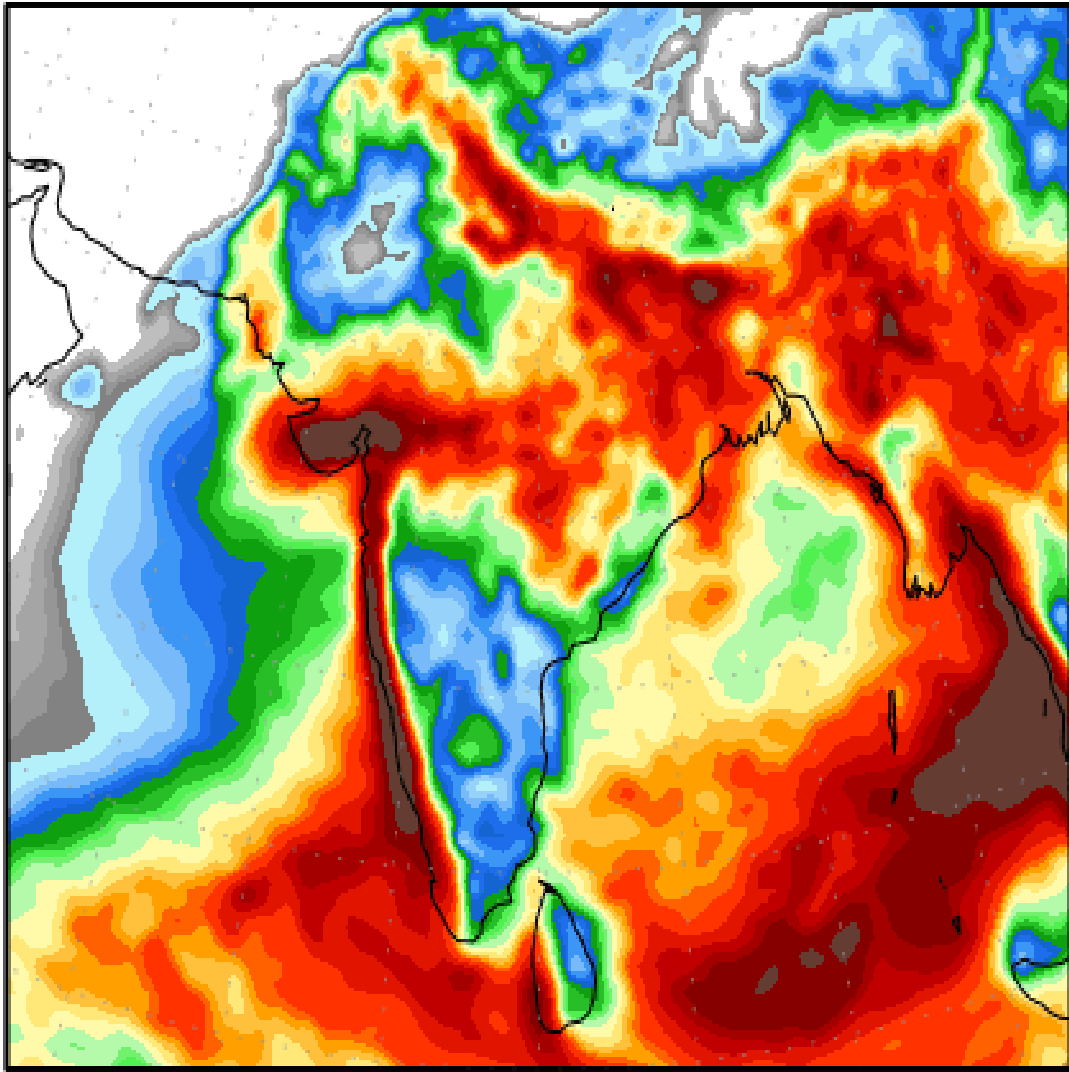


Figure: 2. Precipitation forecast for 08 August to 16 August 2019 (Source: NOAA NCEP).