

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 05 August 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Monsoon trough passes along its near normal position at present. Its western part is likely to shift northwards during next 2 days.
- A fresh Low Pressure Area is likely to develop over northeast Bay of Bengal during next 24 hours and is likely to become more marked subsequently.
- Winds over the Arabian Sea continue to be very strong (45-55 kmph) along with low level convergence along Maharashtra south Gujarat coasts. It is likely to reduce from today onwards. Widespread rainfall with heavy to very heavy rainfall with extremely heavy falls at isolated places are likely to continue over Madhya Maharashtra during next 24 hours. Rainfall activity is likely to increase over Coastal Karnataka and Kerala from today onwards.
- Fairly widespread to widespread rainfall with isolated heavy falls is likely over Punjab, Haryana, Himachal Pradesh, Uttarakhand, West Uttar Pradesh during 05th-07th August and over Madhya Pradesh, Chhattisgarh and Vidarbha during next 4-5 days.

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 Konkan & Goa, Madhya Maharashtra, Marathawada and Coastal Karnataka; at many places over Gujarat State, North Interior Karnataka and Kerala; at a few places over Vidarbha, West Bengal & Sikkim and Andaman & Nicobar Islands; at isolated places over Himachal Pradesh, Haryana, Chandigarh & Delhi, West Madhya Pradesh, Telangana, Tamil Nadu, Puducherry & Karaikal, Rayalaseema, Coastal Andhra Pradesh, Odisha and Assam & Meghalaya.
- Rainfall recorded at 1730 hrs IST of yesterday (3 cm or more) : Mahabaleshwar-14; Matheran-11; Nasik-10; Mormugao & Purulia-6 each; Goa & Shimla-5 each; Kolkata & Malegaon-4 each and Bulsar & Karwar-3 each.

- Heavy to very heavy rainfall was observed at isolated places over Madhya Maharashtra and Heavy rainfall was observed at isolated places over Konkan & Goa at 1730 hours IST of yesterday.
- Thunderstorm observed (from 0830 hours IST of yesterday to 0530 hours IST of today): at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Bihar, Jharkhand, Himachal Pradesh, East Uttar Pradesh, Rajasthan, Chhattisgarh, Coastal Karnataka and Kerala & Mahe.
- Maximum temperature departures as on 04-08-2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Bihar; at isolated places over Madhya Pradesh, West Bengal & Sikkim, Assam & Meghalaya and Kerala; above normal (1.6°C to 3.0°C) at most places over Jammu & Kashmir, Uttar Pradesh Jharkhand, Himachal Pradesh and Uttarakhand; at a many places over Punjab; at a few places over Rayalaseema and Nagaland, Manipur, Mizoram & Tripura; at isolated places over Haryana, Chandigarh & Delhi, Rajasthan, Odisha and Tamil Nadu, Puducherry & Karaikal. They were appreciably below normal (-3.1°C to -5.0°C) at a few places over Madhya Maharashtra, at isolated places over Gujarat State; below normal (-1.6°C to -3.0°C) at most places over Konkan & Goa and North interior Karnataka; at a few places over Vidarbha and Telangana and near normal over rest parts of the country.
- Minimum temperature departures as on 04-08-2019: Minimum temperatures were above normal (1.6°C to 3.0°C) at most places over Sub-Himalayan West Bengal & Sikkim; at many places over Uttarakhand, Punjab, Kerala, Rayalaseema and Andaman & Nicobar Islands; at a few places over Himachal Pradesh, Rajasthan, East Madhya Pradesh, Gangetic West Bengal and Nagaland, Manipur, Mizoram & Tripura and at isolated places over Jammu & Kashmir, Saurashtra & Kutch, Uttar Pradesh, West Madhya Pradesh, Assam & Meghalaya, Lakshadweep and Tamil Nadu, Puducherry & Karaikal. They were below normal (-1.6°C to -3.0°C) at isolated places over Konkan & Goa, South Interior Karnataka, Vidarbha and Telangana and near normal over rest parts of the country.

Weather Warning during next 5 days (IMD)

- 05 August (Day 1): Heavy to very heavy with extremely heavy falls very likely at isolated places over Madhya Maharashtra; Heavy to very heavy rainfall at a few places over Konkan & Goa and at isolated places over Gujarat region and heavy rainfall at isolated places over Himachal Pradesh, Uttarakhand, Punjab, West Uttar Pradesh, East Rajasthan, Madhya Pradesh, Chhattisgarh, Nagaland, Manipur, Mizoram & Tripura, Saurashtra & Kutch, Coastal & South Interior Karnataka and Kerala & Mahe. Strong winds, speed reaching 40-50 kmph, are likely to prevail over north, central and southwest Arabian Sea; central & adjoining southwest Bay of Bengal and along & off Gujarat-Maharashtra-Goa-Karnataka coasts and West

Bengal, Odisha, Andhra Pradesh & Andaman coast. Fishermen are advised not to venture into these areas.

- 06 August (Day 2): Heavy to very heavy rainfall very likely at isolated places over Konkan & Goa, Madhya Maharashtra, Punjab, Coastal Karnataka and Odisha and heavy rainfall at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Rajasthan, Gangetic West Bengal, Jharkhand, Madhya Pradesh, Chhattisgarh, Vidarbha, Gujarat region, South Interior Karnataka and Kerala & Mahe. Strong winds, speed reaching 40-50 kmph, are likely to prevail over north, central and southwest Arabian Sea; central & adjoining southwest Bay of Bengal and along & off Gujarat coast. Fishermen are advised not to venture into these areas.
- 07 August (Day 3): Heavy to very heavy rainfall likely at isolated places over Punjab, Coastal Karnataka, Konkan & Goa and Madhya Maharashtra and heavy rainfall at isolated places over Uttarakhand, East Rajasthan, Haryana, Chandigarh & Delhi, Madhya Pradesh, Vidarbha, Chhattisgarh, Gujarat region, Gangetic West Bengal, Odisha, Jharkhand, Assam & Meghalaya, South Interior Karnataka and Kerala & Mahe. Strong winds, speed reaching 40-50 kmph, are likely to prevail over north, central and southwest Arabian Sea; central & adjoining southwest Bay of Bengal. Fishermen are advised not to venture into these areas.
- 08 August (Day 4): Heavy to very heavy rainfall likely at isolated places over West Madhya Pradesh, Konkan & Goa, Madhya Maharashtra and Coastal Karnataka heavy rainfall at isolated places over East Rajasthan, East Madhya Pradesh, Vidarbha, Chhattisgarh, Gujarat region, Jharkhand, Assam & Meghalaya, South Interior Karnataka and Kerala & Mahe. Strong winds, speed reaching 40-50 kmph, are likely to prevail over north, central and southwest Arabian Sea; central & adjoining southwest Bay of Bengal. Fishermen are advised not to venture into these areas.
- 09 August (Day 5): Heavy to very heavy rainfall likely at isolated places over East Rajasthan, West Madhya Pradesh, Konkan & Goa, Madhya Maharashtra and Coastal Karnataka heavy rainfall at isolated places over East Madhya Pradesh, Vidarbha, Chhattisgarh, Gujarat, Uttarakhand, Jharkhand, Assam & Meghalaya, South Interior Karnataka and Kerala & Mahe. Strong winds, speed reaching 40-50 kmph, are likely to prevail over north, central and southwest Arabian Sea; central & adjoining southwest Bay of Bengal. Fishermen are advised not to venture into these areas.
- The weather outlook for the period of seven days *i.e.*, 05 August to 13 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)

Assam

Weather condition:

Light to rather heavy rainfall received in isolated places in Assam state during past few days. The maximum temperature was ranged between 30-35°C and minimum temperature was ranged between 24-26°C

Contingency measure:

- Sali rice: In flood affected areas farmers are advised to grow rice varieties like Andrew Sali, Biraj, Monohar Sali, Kmj-1-19-1, Luit, Kapilee, etc by mid August. Sesamum (Summer): Collect and sow the recommended varieties of sesame like Gauri, Madhavi, Punjab Tall No-1 etc. 3.
- Summer vegetables: Make provisions in the gardens so that excess rain-water is quickly drained out during the ensuing rainy season. If the attack of fruit fly, red pumpkin beetle and epilechna beetle in summer gourds may observed, spray endosulphon or malathion 50 EC @ 1 ml per litre in the field to control these insects when the weather is sunny. Gamosis disease in citrus plants can be controlled by draining excess water from the field. The affected portion should be scraped with a little extra healthy tissue without injure the wood and then smear Bordeaux paste(1.2 linseed oil).
- Sugarcane: The second earthing up of sugarcane should be done two months after the first earthing up. The second earthing up will transform the trenches/furrows into ridges. The furrows thus made in between the ridges will facilitate drainage of excess water during high rainfall.
- Poultry: Poultry growers can use the hybrid variety of chicken like BV 300, Babcock, BV 380 etc for egg production purpose

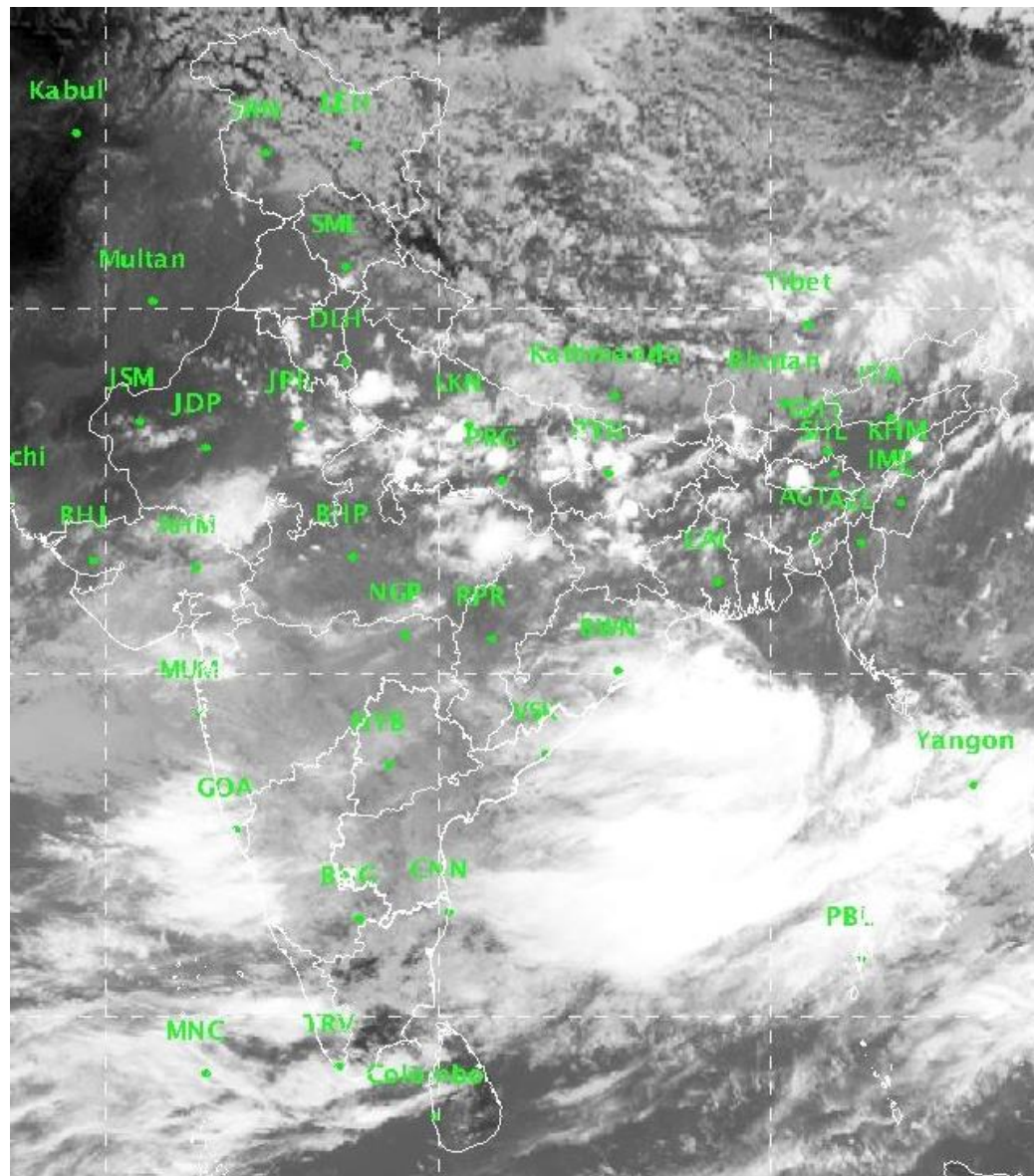


Figure: 1. Latest available satellite picture as on 05 August 2019 at 12:30 Hrs (IST).

(Source: IMD).

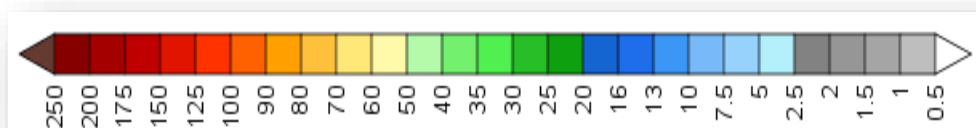
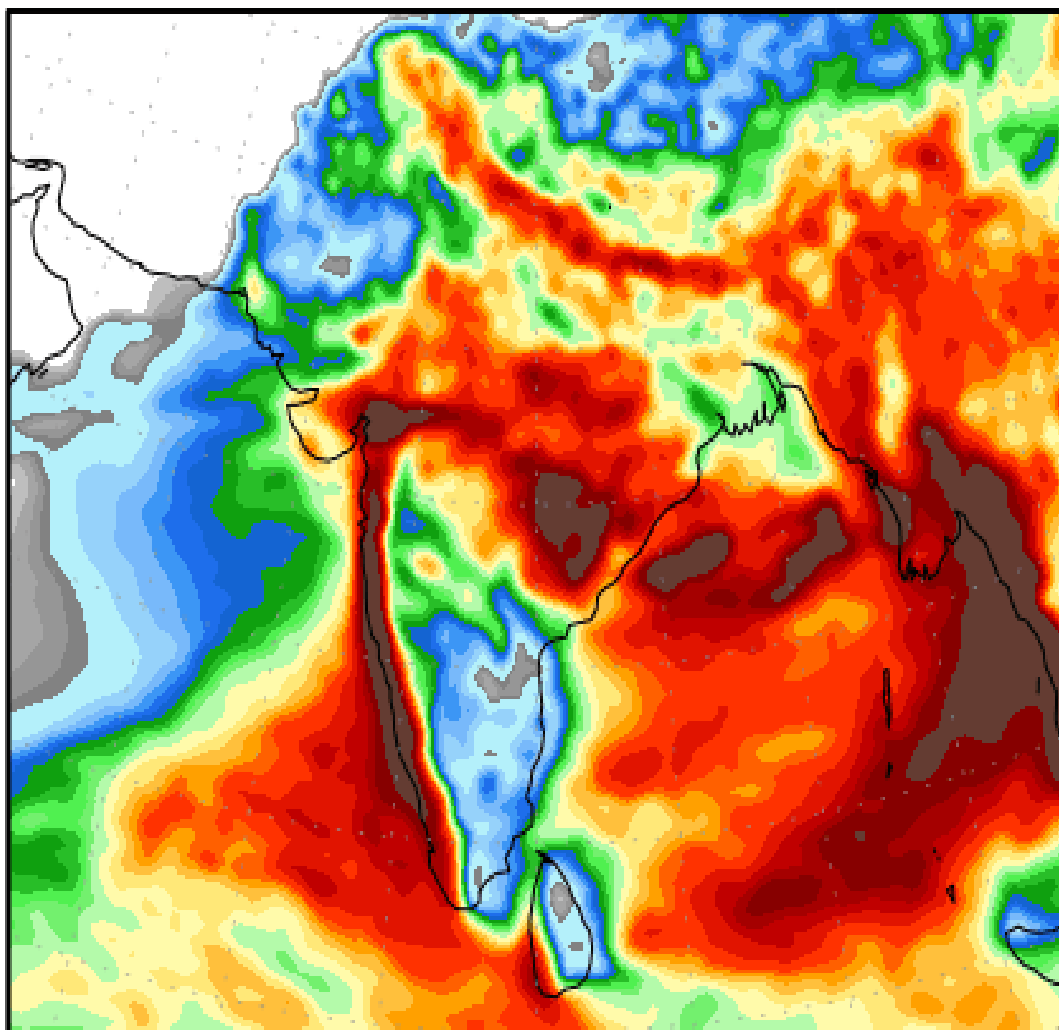


Figure: 2. Precipitation forecast for 05 August to 13 August 2019 (Source: NOAA NCEP).