

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 13 August 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Under the influence of the cyclonic circulation over north coastal Odisha & neighbourhood, a low pressure area has formed over northwest Bay of Bengal off West Bengal Coast. Associated Cyclonic circulation extends upto 7.6 km above mean sea level tilting southwestwards with height. It is likely to become more marked during next 24 hours.
- Western part of the monsoon trough which is currently to the north of its normal position is likely to shift southwards gradually during next 3 days.
- Under the above scenario, fairly widespread to widespread rainfall with isolated heavy to very heavy falls very likely over Western Himalayan region and eastern parts of India and heavy over Uttar Pradesh during next 2-3 days. Isolated extremely heavy falls are also likely over Himachal Pradesh and Uttarakhand during next 24 hours and over Odisha on 14th August.
- The rainfall activity over Kerala & Karnataka and Ghat areas of Tamilnadu is likely to increase in intensity once again during next 48 hours in association with a fresh surge of monsoon westerlies. Along with this, south Konkan & Goa is also likely to receive isolated heavy to very heavy rainfall.
- Heavy to very heavy rainfall at a few places with extremely heavy falls at isolated places over Himachal Pradesh & Coastal Karnataka, heavy to very heavy rainfall at isolated places over Jammu & Kashmir, Uttarakhand, Chhattisgarh, Konkan & Goa, Coastal Andhra Pradesh and heavy rainfall at isolated places over Uttar Pradesh, Jharkhand, Sub Himalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya, Madhya Maharashtra, South Interior Karnataka, Kerala and Tamilnadu 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, Himachal Pradesh, Uttarakhand, East Uttar Pradesh, Odisha, Coastal Andhra Pradesh, Telangana, , Konkan & Goa, Madhya Maharashtra, Karnataka and Kerala; at many places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Madhya Pradesh, Bihar, Jharkhand,

Chhattisgarh, West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Vidarbha, Marathwada, Andaman & Nicobar Islands and Lakshadweep; at a few places over Gujarat, Rayalaseema and at isolated places over East Rajasthan, Tamilnadu and West Madhya Pradesh.

- Maximum temperature departures as on 12.08.2018: Maximum temperatures were above normal (1.6°C to 3.0°C) at many places over Odisha; at a few places over Jammu & Kashmir, West Madhya Pradesh, and Gangetic West Bengal and at isolated places over Gujarat and Tamilnadu & Puducherry. They were appreciably below normal (3.1°C to 5.0°C) at many places over Coastal Andhra Pradesh and Telangana; at isolated places over West Uttar Pradesh, Madhya Maharashtra and Rayalaseema and below normal (1.6°C to 3.0°C) at most places over Interior Karnataka; at many places over Uttarakhand, East Uttar Pradesh, Vidarbha and Chhattisgarh; at a few places over East Madhya Pradesh and at isolated places over Rajasthan and near normal over rest of the country. Yesterday, the highest maximum temperature of 39.0°C was recorded at Madurai (Tamilnadu & Puducherry) over the country.
- Minimum temperature departures as on 13.08.2018 : Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at a few places over Jammu & Kashmir; above normal (1.6°C to 3.0°C) at isolated places over East Rajasthan, West Uttar Pradesh, Saurashtra & Kutch, Odisha, Sub Himalayan West Bengal & Sikkim, Tamilnadu & Puducherry and Andaman & Nicobar Islands. They are appreciably below normal (3.1°C to 5.0°C) at isolated places over Himachal Pradesh; below normal (1.6°C to 3.0°C) at isolated places over Madhya Pradesh, Konkan & Goa and Madhya Maharashtra and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 13 August (Day 1): Heavy to very heavy rain at a few places with extremely heavy falls at isolated places very likely over Himachal Pradesh, Uttarakhand and Coastal Karnataka; heavy to very heavy rain at isolated places very likely over Jammu & Kashmir, Bihar, Chhattisgarh, Odisha, Konkan & Goa, South Interior Karnataka and Kerala; heavy rain at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Madhya Pradesh, Jharkhand, West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Coastal Andhra Pradesh and Tamilnadu. Rough to very rough Sea conditions are likely to prevail over Westcentral, southwest & east central Arabian Sea, Maharashtra, Gujarat, West Bengal and Odisha coasts and over & around Andaman & Nicobar Islands. Fishermen are advised not to venture into these areas.
- 14 August (Day 2): Heavy to very heavy rain at a few places with extremely heavy falls at isolated places very likely over Odisha; heavy rain at a few places with very heavy rain at isolated places very likely over Coastal Karnataka; heavy to very heavy rain at isolated places very likely over Uttarakhand, Konkan & Goa, South Interior Karnataka and Kerala; heavy rain at isolated places very likely over Himachal Pradesh, Haryana, Chandigarh & Delhi, Uttar Pradesh, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Coastal Andhra Pradesh and Tamilnadu. Rough to very rough Sea conditions are likely to prevail over

Westcentral & southwest Arabian Sea and Maharashtra, Gujarat, West Bengal and Odisha coasts. Fishermen are advised not to venture into these areas.

- 15 August (Day 3): Heavy to very heavy rain at isolated places very likely over East Madhya Pradesh, Odisha and Coastal Karnataka; heavy rain at isolated places very likely over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, Chhattisgarh, Jharkhand, South Interior Karnataka and Kerala. Rough to very rough Sea conditions are likely to prevail over Westcentral & southwest Arabian Sea and Maharashtra, Gujarat, West Bengal and Odisha coasts. Fishermen are advised not to venture into these areas.
- 16 August (Day 4): Heavy rain at isolated places likely over Rajasthan, Madhya Pradesh, Chhattisgarh, Gangetic West Bengal and Coastal Karnataka. Rough to very rough Sea conditions are likely to prevail over Westcentral & southwest Arabian Sea. Fishermen are advised not to venture into these areas.
- 17 August (Day 5): Heavy rain at isolated places likely over Rajasthan, West Madhya Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Gujarat region and Coastal Karnataka. Rough to very rough Sea conditions are likely to prevail over Westcentral & southwest Arabian Sea. Fishermen are advised not to venture into these areas.
- The weather outlook for the period of seven days *i.e* 13 to 20 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, East Rajasthan, West Bengal & Sikkim, Bihar, Jharkhand Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Odisha, Gujarat, Konkan & Goa, Vidarbha, Marathawada, Madhya Maharashtra, Karnataka, Coastal Andhra Pradesh, Rayalaseema, Telangana, Kerala, Tamilnadu, Lakshadweep, Andaman & Nicobar Islands and eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Haryana

Weather condition

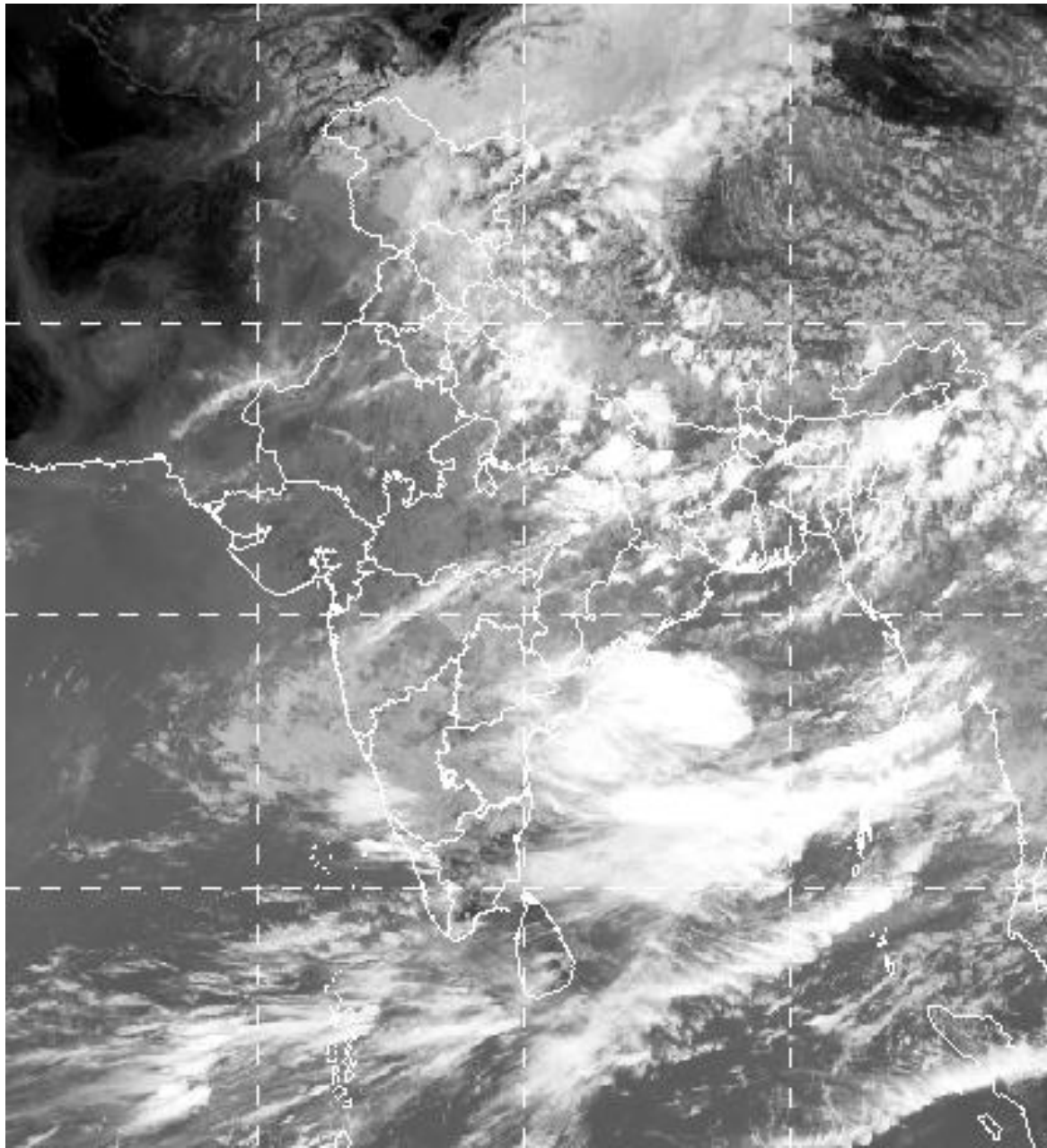
Light rainfall received in Haryana state during past few days. Maximum temperature was below normal and minimum temperature was oscillating with normal.

Contingency measure:

- General Advisory: Light to moderate rain/thundershowers likely at many places during next 24 hours and at a few places during the remaining period in the state.
- Rice: Farmers are advised to do the weed management and maintain 5-6 cm water level in rice fields. Due to chances of rainfall farmers are advised to drain out excess amount of

water. Due to favourable conditions, farmers are advised to keep vigil on root weevil in rice crop. Sugarcane: Farmers are advised to keep on vigilance for insect/pests in sugarcane crop.

- Cotton: Due to favourable weather condition may chance for infestation of Jassids in cotton crop, farmers are advised to keep on vigilance. Due to chances of rainfall farmers are also advised to drain out the excess amount of water from cotton fields. BAJRA / GUAR: Farmers are advised to do weed management and intercultural operation to conserve soil moisture in Bajra/Guar.
- Vegetables/ fruit crops: Keep vigil for sucking insect-pest insect pest due to prevailing high humidity in the environment /atmosphere. Keep management to avoid excess rain water from vegetables crops.
- Live stock: Farmers are advised to keep the animals under well ventilated place and provide clean drinking water and green forage as per requirement. Provide the 50 grams iodized salt and 50 to 100 grams mineral mixture daily with feed & green fodder to keep them healthy. Keep clean around the animal shed to avoid the infestation of house fly/other.



**Figure: 1. Latest available satellite picture as on 13 August 2018 at 0230 Hrs (IST).
(Source: IMD).**

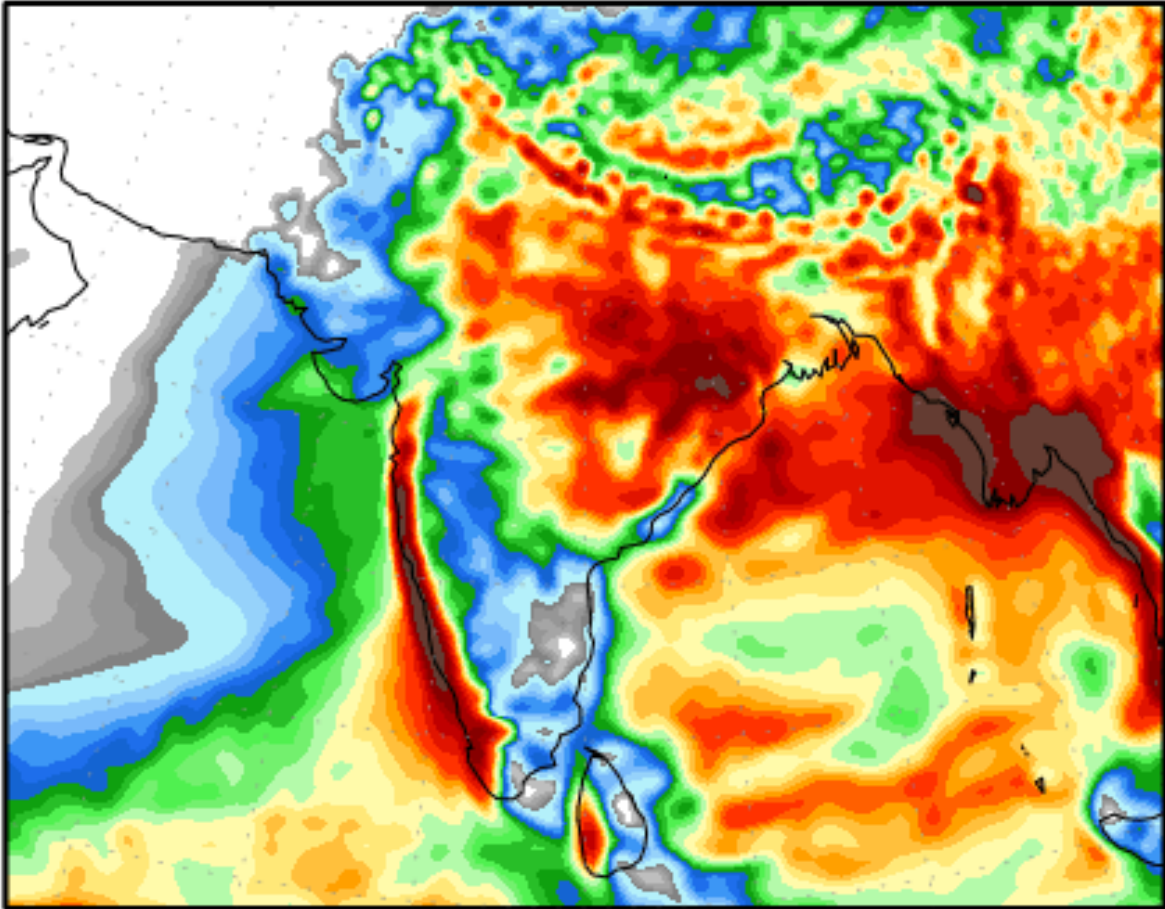


Figure: 2. Precipitation forecast for 13 to 20 August 2018 (Source: NOAA NCEP).