

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 26 July 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The monsoon trough is in its near normal position and is active with two embedded cyclonic circulations. A low pressure area is very likely to form over coastal areas of West Bengal during next 24 hours.
- The rainfall activity has increased over central India, Northern Plains and Western Himalayan region from 24th. Fairly widespread to widespread rainfall with isolated heavy to very heavy and extremely heavy falls are likely over south Haryana and north Rajasthan; Fairly widespread to widespread rainfall with isolated heavy to very heavy falls are also likely over Uttar Pradesh, Madhya Pradesh, Jammu & Kashmir, Himachal Pradesh, Uttarakhand and Punjab during next 24 hours.
- Strong wind convergence along the northern parts of West Coast is likely to cause widespread rainfall with isolated heavy to very heavy falls over Konkan & Goa and ghat areas of Madhya Maharashtra during next 3-4 days. Isolated extremely heavy falls are also likely over this region mainly on 26th and 28th July.
- Widespread of rainfall with isolated heavy to very heavy and extremely heavy falls are likely over north Gujarat on 28th and 29th July.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rain/Thundershowers observed (from 0830 hrs IST to 1730 hours IST of yesterday): at most places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, Punjab, East Madhya Pradesh, Odisha, Konkan & Goa and Lakshadweep; at many places over Gujarat state and Madhya Maharashtra; at a few places over Assam & Meghalaya, Arunachal Pradesh, East Uttar Pradesh, West Madhya Pradesh, West Bengal & Sikkim, Chhattisgarh, Vidarbha, Coastal Karnataka, Kerala & Mahe and Andaman & Nicobar Islands and at isolated places over Nagaland, Manipur, Mizoram & Tripura, Bihar, Jharkhand, Rajasthan, Marathwada, Andhra Pradesh, Telangana, Tamil Nadu, Puducherry & Karaikal and Interior Karnataka.

- Heavy rainfall observed at isolated places over West Uttar Pradesh and Rajasthan.
- Thunderstorm observed (from 2030 hours IST of yesterday to 0530 hours IST of yesterday): at a few places over Coastal Andhra Pradesh and at isolated places over Nagaland, Manipur, Mizoram & Tripura, West Rajasthan, Telangana and Odisha.
- Maximum temperature departures as on 25-07-2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over West Madhya Pradesh; above normal (1.6°C to 3.0°C) at most Places over Vidarbha, Telangana and Nagaland, Manipur, Mizoram & Tripura; at many places over Gujarat; at a few places over Kerala, Tamil Nadu, Puducherry & Karaikal, East Madhya Pradesh and Rajasthan; at isolated places over Andaman & Nicobar Islands. They were appreciably below normal (-3.1°C to -5.0°C) at most places over Jammu & Kashmir, Delhi, Haryana & Chandigarh; at many places over Punjab and Himachal Pradesh; at a few places over Lakshadweep; below normal (-1.6°C to -3.0°C) at most Places over West Uttar Pradesh; at many places over East Uttar Pradesh; at a few places over Odisha; at isolated places over Bihar, Jharkhand and Coastal Andhra Pradesh & Yanam and near normal over rest parts of the country. The highest maximum temperature of 40.2°C recorded at Madurai (Tamil Nadu, Puducherry & Karaikal).
- Minimum temperature departures as on 25-07-2019: Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Saurashtra & Kutch and West Madhya Pradesh and at isolated places over Rajasthan, Sub-Himalaya West Bengal & Sikkim and Vidarbha; above normal (1.6°C to 3.0°C) at many places over Jammu & Kashmir, Gujarat region and Telangana; at a few places over Himachal Pradesh and Uttrakhand and at isolated places over Madhya Maharashtra, Marathwada, South Interior Karnataka, Rayalaseema and Tamil Nadu, Puducherry & Karaikal; They were below normal (-1.6°C to -3.0°C) at a few places over Haryana, Chandigarh & Delhi and Bihar and at isolated places over East Madhya Pradesh and near normal over rest parts of the country.

Weather Warning during next 5 days (IMD)

- 26 July (Day 1): Heavy Rainfall at a few places with very heavy to extremely heavy falls at isolated places very likely over East Rajasthan; Heavy to very heavy rainfall with extremely heavy falls at isolated places over Konkan & Goa; Heavy to very heavy rainfall at isolated places over Uttarakhand, Haryana, Chandigarh & Delhi, West Rajasthan, Madhya Pradesh, Gangetic West Bengal, Madhya Maharashtra and Odisha and heavy rainfall at isolated places over Coastal Karnataka, Coastal Andhra Pradesh & Yanam, Chhattisgarh, Uttar Pradesh, Jammu & Kashmir, Himachal Pradesh, Punjab, Assam & Meghalaya, Gujarat region and Jharkhand. Strong winds, speed reaching 40-50 kmph, are likely to prevail over west-central & adjoining southwest Arabian Sea and North Arabian Sea. Fishermen are advised not to venture into these areas.

- 27 July (Day 2): Heavy rainfall at a few places with very heavy falls at isolated places very likely over East Rajasthan and Konkan & Goa; Heavy to very heavy rainfall at isolated places over Chhattisgarh, Madhya Pradesh, West Rajasthan and Odisha and heavy rainfall at isolated places over Coastal Karnataka, Gujarat region, Vidharbha, Gangetic West Bengal, Jharkhand and Madhya Maharashtra. Strong winds, speed reaching 40-50 kmph, are likely to prevail over west-central & adjoining southwest Arabian Sea and North Arabian Sea and North Bay of Bengal. Rough to very Rough sea conditions are very likely to prevail along & off West Bengal-Odisha Coasts. Fishermen are advised not to venture into these areas.
- 28 July (Day 3): Heavy to very heavy rainfall with extremely heavy falls at isolated places likely over East Rajasthan, Gujarat region and Konkan & Goa; Heavy to very heavy rainfall at isolated places over West Rajasthan, Chhattisgarh, Saurashtra & Kutch and Madhya Maharashtra and heavy rainfall at isolated places over Coastal Karnataka, Madhya Pradesh, Vidarbha, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Strong winds, speed reaching 40-50 kmph, are likely to prevail over west-central & adjoining southwest Arabian Sea and North Arabian Sea and North Bay of Bengal. Rough to very Rough sea conditions are very likely to prevail along & off West Bengal-Odisha Coasts. Fishermen are advised not to venture into these areas.
- 29 July (Day 4): Heavy to very heavy rainfall with extremely heavy falls at isolated places likely over Gujarat state; Heavy to very heavy rainfall at isolated places over Konkan & Goa, Assam & Meghalaya and Madhya Maharashtra and heavy rainfall at isolated places over Coastal Karnataka, East Madhya Pradesh, Chhattisgarh, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura.
- 30 July (Day 5): Heavy to very heavy rainfall at isolated places over Konkan & Goa and heavy rainfall at isolated places over Coastal Karnataka, Assam & Meghalaya, Himachal Pradesh, Gujarat State, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura.
- The weather outlook for the period of seven days *i.e.*, 26 July to 03 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)

Haryana

Weather condition:

Very light to rather heavy rainfall received in isolated places in Haryana state during past few days. The maximum temperature was ranged between 28-36°C and minimum temperature was ranged between 20-26° C

Contingency measure:

- General advised: Possibility of thunderstorm accompanied with gusty wind and light and medium rain at isolated places up to 28th July and keep in mind the changing weather while planning sowing and other intercultural operations.
- Paddy/rice: Due to possibility of rain, farmers are advised to continue transplanting of rice and complete soon as possible. Maintain 5-6 cm standing water up to maximum tillering stage. For transplanting uproot nursery in standing water to minimize the bakanae disease. If heavy rainfall occurred then make a strong bund outside the field for better drainage facility.
- Desi Cotton/American cotton/Bt cotton: Due to possibility of rain, farmers are advised to drain out the excess rain water in the cotton crop. Due to favourable weather condition may chance for infestation of Jassid in cotton crop, farmers are advised to keep on vigilance. Farmers are advised to withhold irrigation and spray.
- Bajra/Gvar: Due to possibility of rain, farmers are advice to withhold sowing of guar with the certified seeds.
- Vegetables/Fruits plants: Due to possibility of rain farmers are advice to withhold the irrigation in vegetables/Fruits plants and advised for drain out the excess rain water. Farmers are advised to start the transplanting of fruit crops from the certified nursery with consultation of officers of University and Horticultural Dept GoH.
- Livestock: Due to humid and warm weather conditions farmers are advised to keep the animals under well ventilated place and provide clear drinking water 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. Due to prevailing high humidity and possibility of rain/monsoon season will keep clear around the animal shed to avoid the infestation of house fly/other.

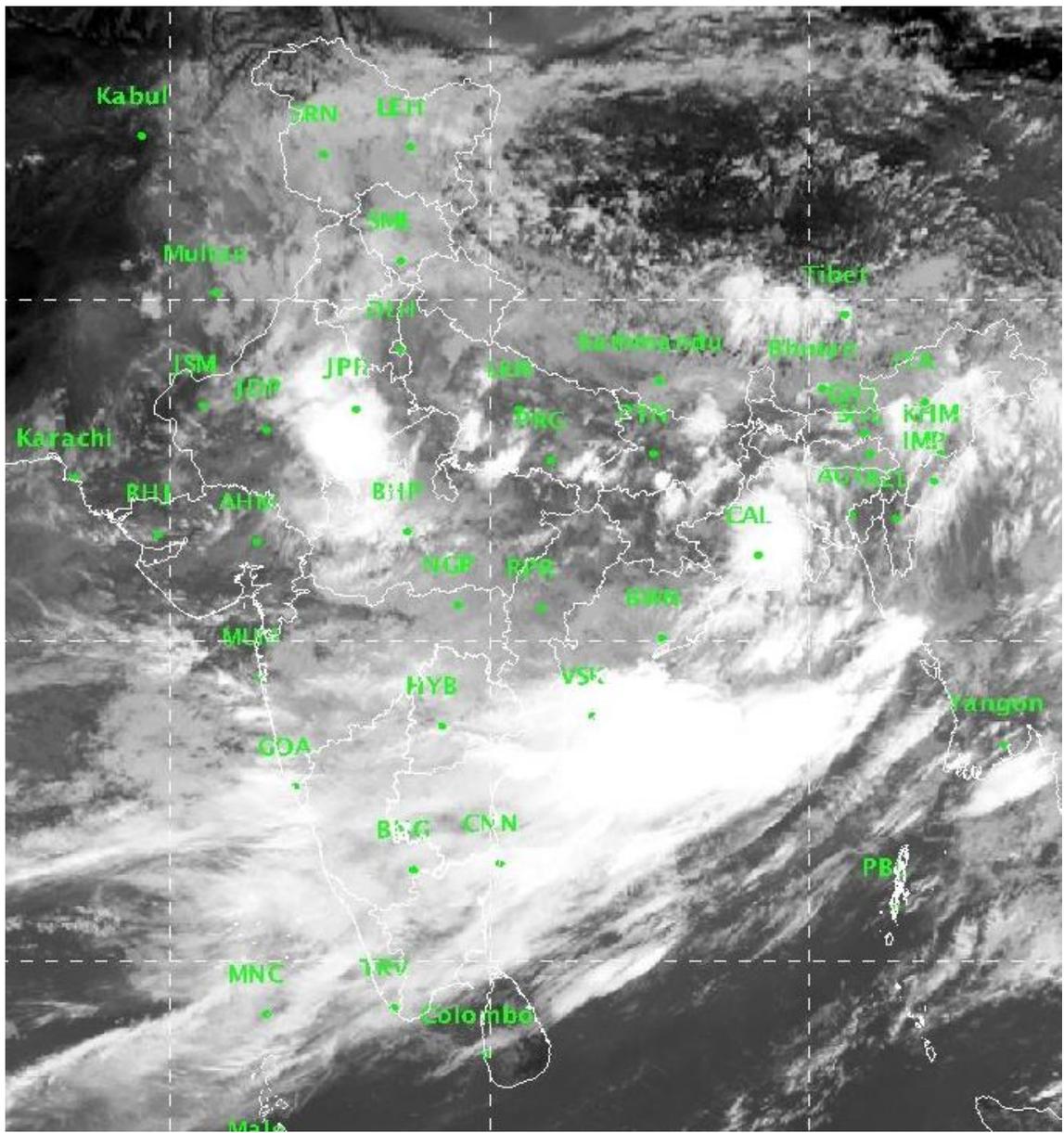


Figure: 1. Latest available satellite picture as on 26 July 2019 at 10:30 Hrs (IST).

(Source: IMD).

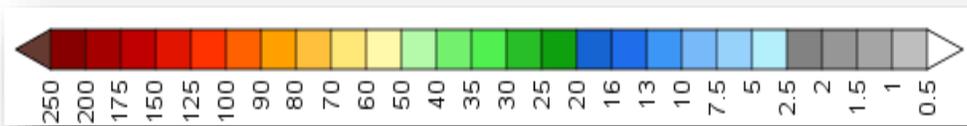
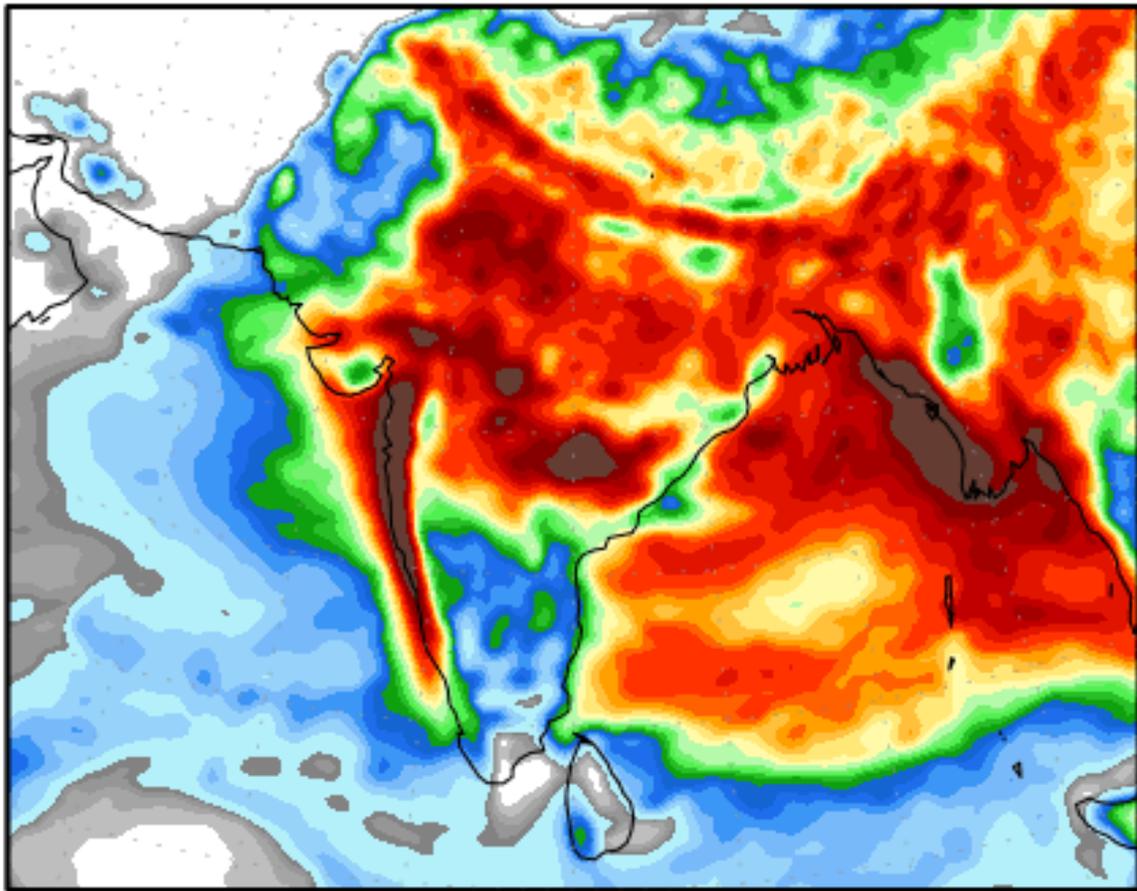


Figure: 2. Precipitation forecast for 26 July to 03 August 2019 (Source: NOAA NCEP).