

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 30 July 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- A low pressure area has formed over northeast Uttar Pradesh & neighbourhood. It is likely to remain over East Uttar Pradesh & neighbourhood with very little westward movement during next 2-3 days.
- Fairly widespread to widespread rainfall with scattered heavy to very heavy and isolated extremely heavy falls are very likely over southern parts of East Uttar Pradesh during next 3 days. Along with this parts of West Uttar Pradesh, Uttarakhand and Bihar are also very likely to receive fairly widespread to widespread rainfall with isolated heavy to very heavy falls during the same period. One or two places in the northern parts of Chhattisgarh and East Madhya Pradesh are likely to receive heavy rainfall during next 2 days.
- Widespread rainfall with isolated very heavy and extremely heavy falls are very likely over Assam & Meghalaya and heavy to very heavy falls over Arunachal Pradesh, Sub Himalayan West Bengal and Nagaland, Manipur, Mizoram & Tripura during next 3 days.
- Subdued rainfall activity likely to continue over many parts of West, Central and peninsular India during next 4-5 days.
- Sea conditions are likely to be rough to very rough along & off Kerala and Gujarat Coasts and over & around Andaman & Nicobar and Lakshadweep Islands. Fishermen are advised not to venture into Sea over these areas during next 48 hours.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall observed (from 0830 hours of yesterday to 0830 hours IST of today): Rain/thundershowers observed at most places over Uttar Pradesh, Bihar, Jharkhand, Odisha, Coastal Karnataka, Kerala and Andaman & Nicobar Islands; at many places over Uttarakhand, Gangetic West Bengal and Nagaland, Manipur, Mizoram & Tripura; at a few places over Assam & Meghalaya, Arunachal Pradesh, Madhya Pradesh, Konkan & Goa, South Interior Karnataka and Lakshadweep ; at isolated places over Jammu & Kashmir, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Coastal Andhra Pradesh, Gujarat, Madhya Maharashtra, Vidarbha, Chhattisgarh and Tamilnadu.

- Maximum temperature departures as on 29.07.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Coastal Andhra Pradesh and Tamilnadu & Puducherry; at isolated places over Konkan & Goa, Coastal Karnataka and Kerala; above normal (1.6°C to 3.0°C) at most places over Rayalaseema; at a few places over Himachal Pradesh, Uttarakhand, Punjab, West Bengal & Sikkim, Odisha, Marathwada and Telangana; at isolated places over West Rajasthan, Madhya Maharashtra and Vidarbha. They were appreciably below normal (3.1°C to 5.0°C) at many places over East Uttar Pradesh; at a few places over Jammu & Kashmir, West Uttar Pradesh and Bihar; at isolated places over Assam & Meghalaya; below normal (1.6°C to 3.0°C) at isolated places over Saurashtra & Kutch and West Madhya Pradesh.
- Yesterday, the highest maximum temperature of 40.2°C was recorded at Tiruttani (Tamilnadu & Puducherry) over the country.
- Minimum temperature departures as on 30.07.2018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at isolated places over Sub Himalayan West Bengal & Sikkim, Saurashtra & Kutch, and Rayalaseema; above normal (1.6°C to 3.0°C) at most places over Konkan & Goa, Coastal Andhra Pradesh and Tamilnadu & Puducherry; at a few places over Kerala and Gujarat Region; at isolated places over Punjab, Uttarakhand, East Rajasthan, East Madhya Pradesh, Vidarbha, Telangana and Odisha. They are appreciably below normal (3.1°C to 5.0°C) at isolated places over Uttar Pradesh; below normal (1.6°C to 3.0°C) at most places over Jammu & Kashmir; at many places over Himachal Pradesh; at a few places over Madhya Pradesh and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 30 July (Day 1): Heavy to very heavy rain with extremely heavy falls very likely at isolated places over East Uttar Pradesh; heavy to very heavy rain at isolated places very likely over West Uttar Pradesh, Bihar, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, and heavy rain at isolated places over Uttarakhand, northeast Madhya Pradesh, north Chhattisgarh, Sub Himalayan West Bengal & Sikkim, Odisha and Kerala. Sea conditions are likely to be rough to very rough along & off Kerala and Gujarat Coasts and over & around Andaman & Nicobar and Lakshadweep Islands. Fishermen are advised not to venture into sea over these areas.
- 31 July (Day 2): Heavy to very heavy rain at a few places with extremely heavy falls at isolated places very likely over East Uttar Pradesh; heavy to very heavy rain with extremely heavy falls at isolated places very likely over Assam & Meghalaya; heavy to very heavy rain at isolated places very likely over Uttarakhand, Sub Himalayan West Bengal & Sikkim, Arunachal Pradesh and heavy rain over West Uttar Pradesh, northeast Madhya Pradesh, Bihar, Gangetic West Bengal, Nagaland, Manipur, Mizoram & Tripura and Kerala. Sea conditions are likely to be rough to very rough along & off Kerala and Gujarat Coasts and over & around Andaman & Nicobar and Lakshadweep Islands. Fishermen are advised not to venture into sea over these areas.
- 01 August (Day 3): Heavy to very heavy rain with extremely heavy falls at isolated places very likely over East Uttar Pradesh and Assam & Meghalaya; heavy to very heavy rain at

isolated places very likely over Uttarakhand and heavy rain very likely over West Uttar Pradesh, Bihar, Sub Himalayan West Bengal & Sikkim, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and Coastal Karnataka.

- 02 August (Day 4): Heavy to very heavy rain at isolated places likely over Assam & Meghalaya and heavy rain at isolated places likely over East Uttar Pradesh, Bihar and Coastal Karnataka.
- 03 August (Day 5): Heavy rain at isolated places likely over East Uttar Pradesh and Konkan & Goa.
- The weather outlook for the period of seven days *i.e* 30 July to 06 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, Rajasthan, Uttar Pradesh, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Bihar, Jharkhand, Odisha, Madhya Pradesh, Gujarat, Chhattisgarh, Madhya Maharashtra, Vidarbha, Coastal Andhra Pradesh, , Tamilnadu, Andaman & Nicobar Islands and North eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

West Bengal

Weather condition

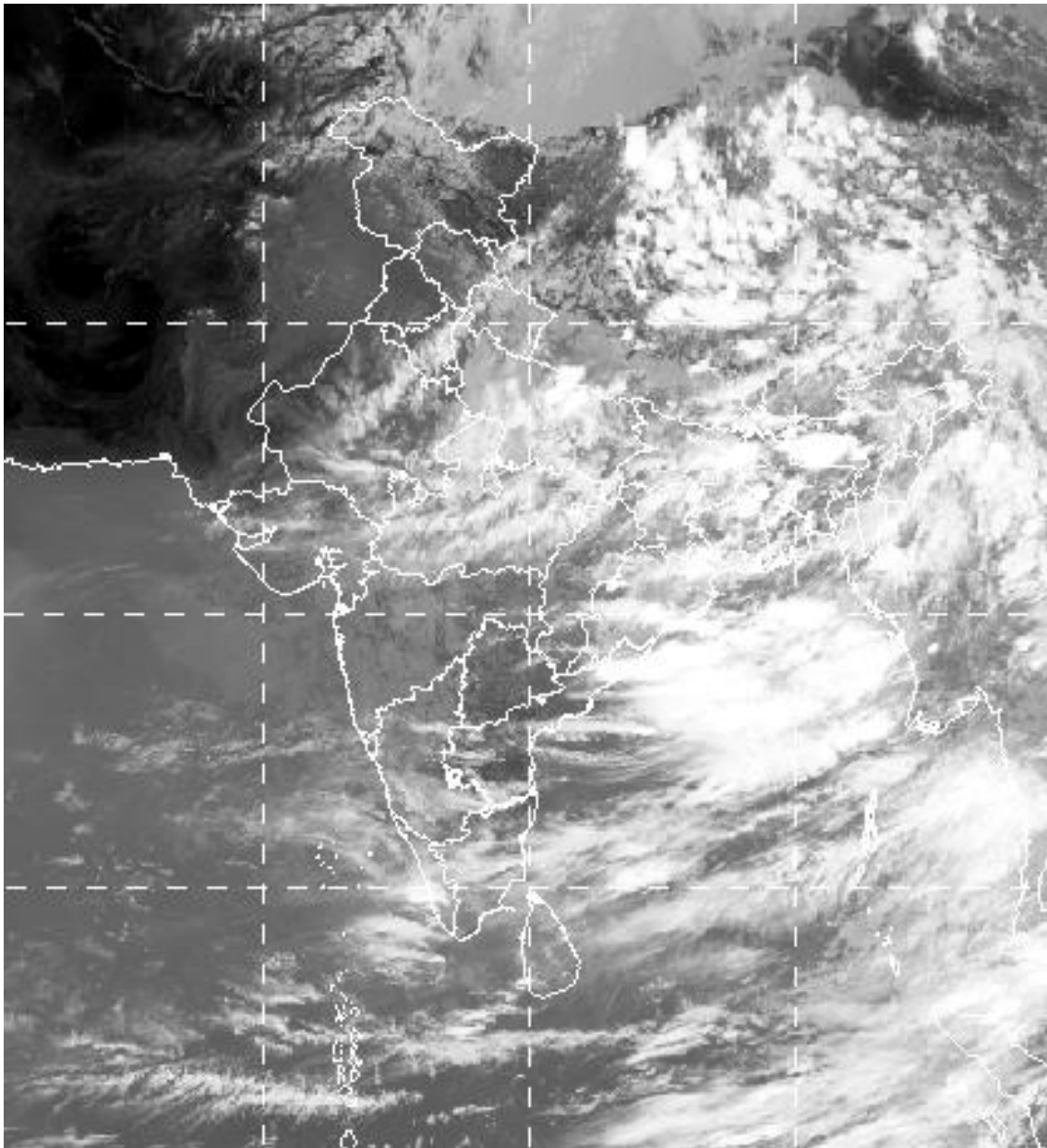
Light rainfall received in West Bengal state during past few days. Maximum temperature ranges from 28.0 to 32.5 °C and minimum temperature ranges 25.0 to 27.0°C.

Contingency measure:

- Jute: Harvest jute at 100 DAS if aman-rice-growers want to cultivate rice in the same field. Otherwise, jute may be harvested at 120 to 125 DAS. After shedding the leaves, it is advised to ret the jute in clean and slow moving water in order to obtain good quality fiber. In case of late sown crop, this time attack of Bihar hairy caterpillar and semilooper may be prevalent. For both insects, apply 1.5 ml Chlorpyrifos per lt of water.
- Aman Rice: Based on the amount of rainfall received, farmers can go for transplanting operation. Using the previous rain/ irrigation water, continue the transplanting operation. After harvesting of jute, if aman-seed is not yet sown, then sow short duration varieties. Keep the land weed free. Keep one inch stagnant water in the field from 5-7 days after transplanting. Farmers yet to transplant seedlings are advised not to apply unnecessary urea before transplanting. Pointed gourd and Bottle gourd: In the prevailing weather condition, attack of fruit-rot due to fungus may be prevalent in the zone. Remove the infected fruits from the land. As suggested last week, spray Blitox (4 gm per litre) or Blue-copper oxide.
- Other summer vegetables: Under present weather situation, leaf curling in chilli may be severe. If curling occurs, spray 5% Fipronil @1.5ml/litre 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.

- Cauliflower: Cultivation of early cauliflower may be started. Collect improved varieties of cauliflower-seed like, Kanwari, Jowhar, Moti, Early Patna etc. and the same of tomato like Pusa Rubi, Pusa Early, S-2, Roma Super etc.



**Figure: 1. Latest available satellite picture as on 30 July 2018 at 0230 Hrs (IST).
(Source: IMD).**

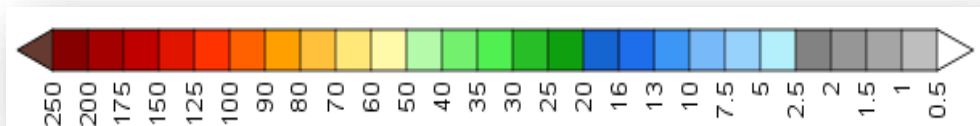
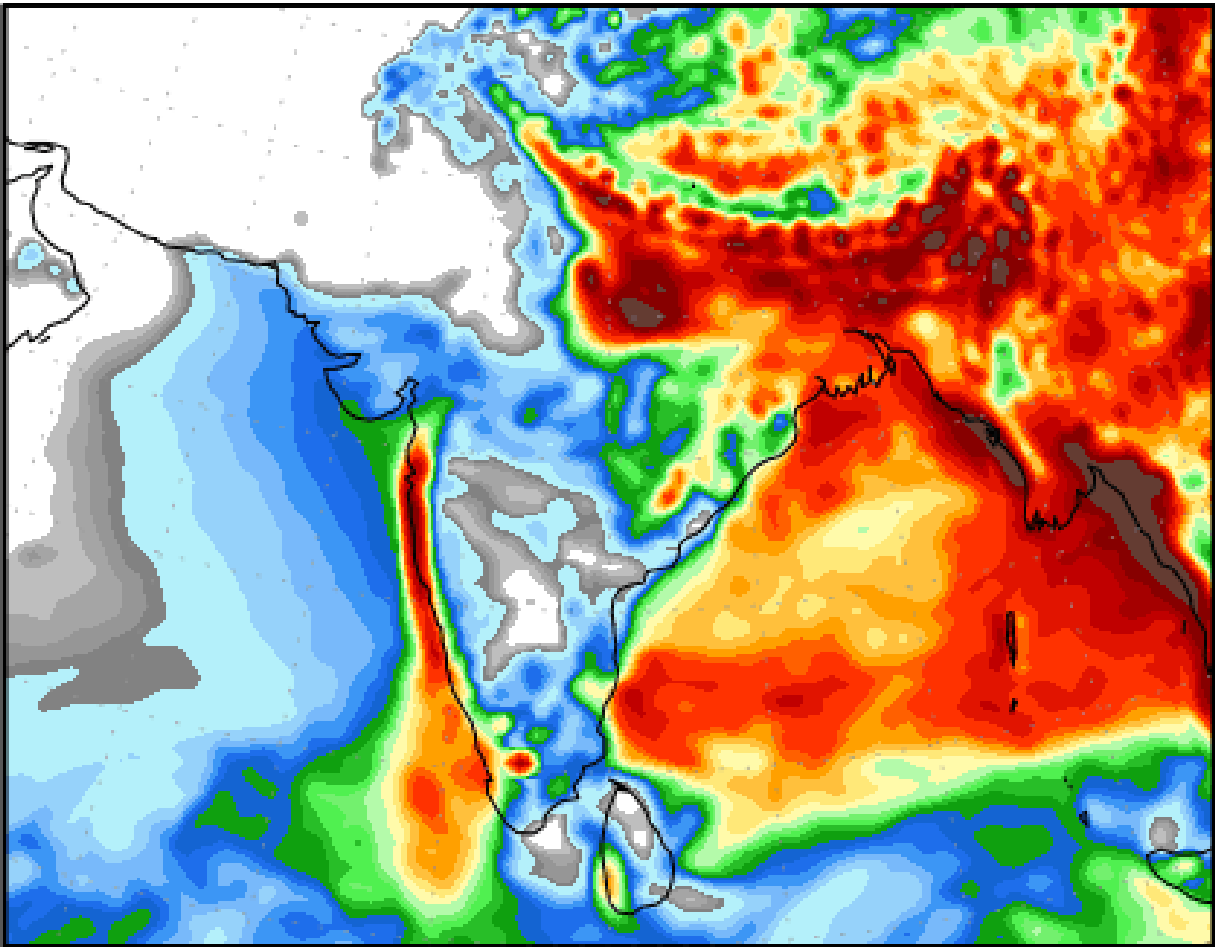


Figure: 2. Precipitation forecast for 30 July to 06 August 2018 (Source: NOAA NCEP).