

All India Coordinated Research Project on Agrometeorology

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Daily Crop Weather Information as on 28 August 2018

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Significant Weather Features (IMD)

- The low pressure over north Odisha & neighbourhood has become less marked, however The associated cyclonic circulation lies over north interior Odisha & neighborhood and extends upto 4.5 km above mean sea level.
- Under the influence of the above system, fairly wide spread to wide spread rainfall activity with isolated heavy falls likely over Madhya Pradesh, Vidharbha and Chhattisgarh during next 48 hours.
- A cyclonic circulation over south Gujarat & neighbourhood between 1.5 & 4.5 km above mean sea level likely to cause fairly wide spread rainfall activity with isolated heavy falls over Gujarat region during next 48 hours.
- Strengthening of the monsoon current likely to cause fairly widespread to widespread rainfall activity with isolated heavy falls over Konkan & Goa and Madhya Maharashtra during next 48 hours.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

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

- Maximum temperature departures as on 27.08.2018: Maximum temperatures were above normal (1.6°C to 3.0°C) at most places over Himachal Pradesh; at many places over Jammu & Kashmir; at a few places over Sub Himalayan West Bengal & Sikkim; and at isolated places over East Uttar Pradesh, Gangetic West Bengal, Assam & Meghalaya, Kerala & Tamilnadu & Puducherry. They were appreciably below normal (3.1°C to 5.0°C) at many places over Vidarbha, Chhattisgarh and Marathawada; at a few places over Telangana; and at isolated places over East Madhya Pradesh; below normal (1.6° C to 3.0°C) at most places over Odisha and North interior Karnataka, at a few places over Madhya Maharashtra, Coastal Andhra Pradesh and Andaman & Nicobar Islands; and at isolated places over West Uttar Pradesh, Uttarakhand, Gujarat, East Rajasthan and South Interior Karnataka; and near normal over rest of the country.
- Yesterday, the highest maximum temperature of 39.3°C was recorded at Ganganagar (West Rajasthan) over the country.
- Minimum temperature departures as on 28.08.2018: Minimum temperatures are above normal (1.6°C to 3.0°C) at many places over Uttarakhand, Punjab, West Rajasthan, Arunachal Pradesh and Sub Himalayan West Bengal & Sikkim; at a few places over Bihar, East Uttar Pradesh, Himachal Pradesh and East Rajasthan; and at isolated places over Jammu & Kashmir, West Uttar Pradesh, Madhya Pradesh and Gangetic West Bengal. They are below normal (1.6° C to 3.0°C) at a few places over Marathawada; and at isolated places over Chhattisgarh, Odisha, Konkan & Goa, Interior Karnataka, Rayalaseema, Gujarat, Andaman & Nicobar Islands, Kerala and Tamilnadu & Puducherry and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 28 August (Day 1): Heavy rain at isolated places very likely over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Sub Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat region, Madhya Maharashtra, Konkan & Goa, Telangana, Coastal Karnataka and Tamilnadu. Rough to very rough sea conditions are very likely to prevail over West Central Arabian Sea. Fishermen are advised not to venture over this area.
- 29 August (Day 2): Heavy rain at isolated places very likely over West Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Arunachal Pradesh, Assam & Meghalaya, Gujarat region, Madhya Maharashtra and Konkan & Goa.
- 30 August (Day 3): Heavy rain at isolated places likely over East Uttar Pradesh.
- 31 August (Day 4): Heavy rain at isolated places likely over Uttar Pradesh, Odisha, Arunachal Pradesh, Assam & Meghalaya, and Nagaland, Manipur, Mizoram & Tripura.
- 01 September (Day 5): Heavy rain at isolated places likely over East Uttar Pradesh, Odisha, Nagaland, Manipur, Mizoram & Tripura.

- The weather outlook for the period of seven days *i.e* 28 August to 03 September 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi East Rajasthan, Punjab, Uttar Pradesh, Gangetic West Bengal, Bihar, Jharkhand, Chhattisgarh, Konkan & Goa, Madhya Pradesh, Odisha, Saurashtra & Kutch, Gujarat region, Vidarbha, Marathawada, Madhya Maharashtra, Telangana, Coastal Andhra Pradesh, Rayalaseema, Coastal & North Interior Karnataka, Kerala Tamilnadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

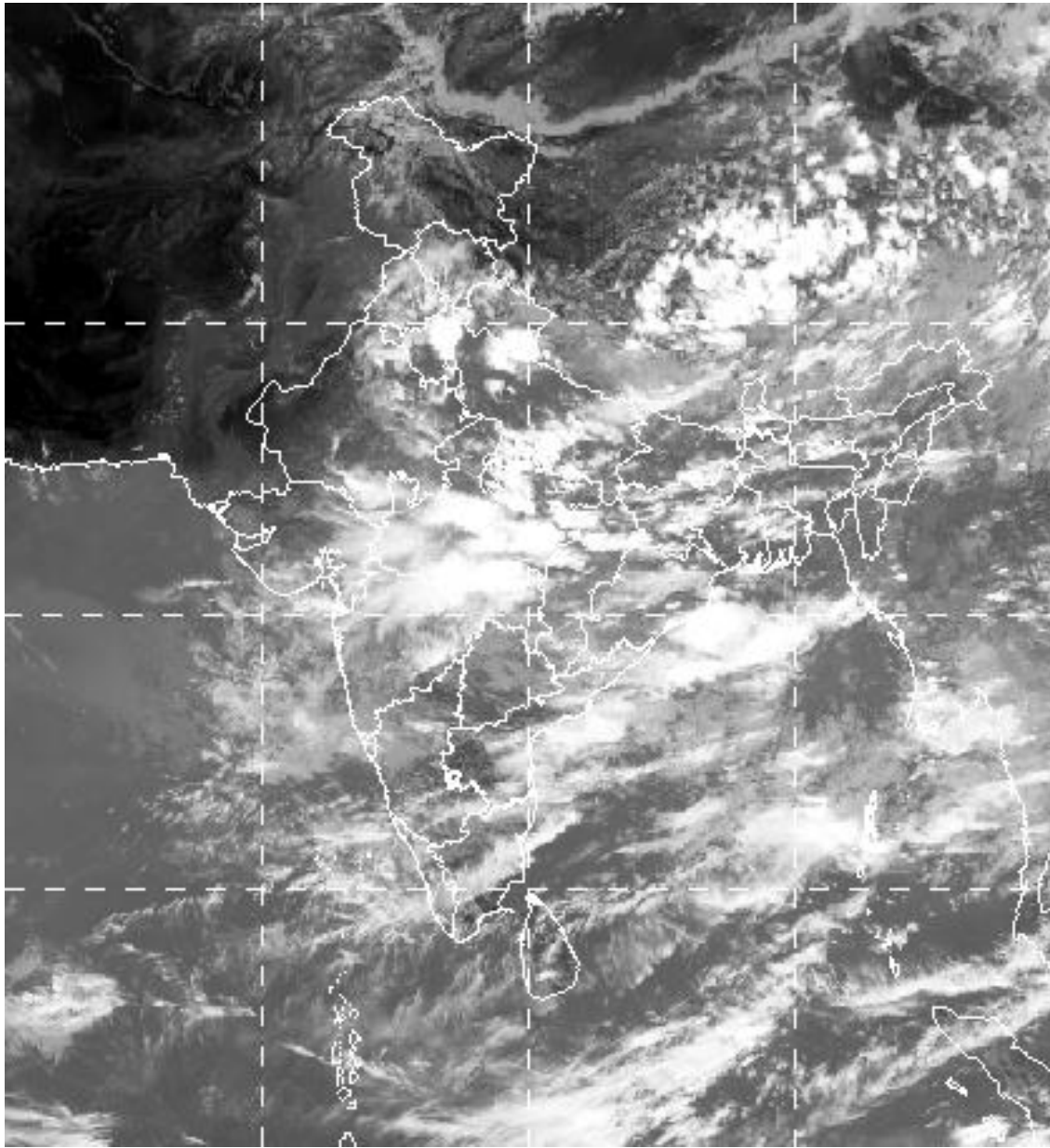
West Bengal

Weather condition

Light rainfall received in West Bengal state during past few days. Maximum temperature ranges from 32.0 to 34.0 °C and minimum temperature ranges 26.0 to 27.8 °C.

Contingency measure:

- Aman Rice: First weeding should be done at 3 weeks after transplanting and second weeding at 6 weeks after transplanting. Apply 4.5 kg Urea/ bigha as 1st top dressing after 1st weeding, drained out the stagnant water from the field before apply Urea. At the time of panicle initiation, keep 5 to 7 cm water in the field.
- There is a forecast of having light to moderate rainfall in the next few days. Thus, apply irrigation as per the rainfall scenario. Bitter-gourd and pointed gourd: Under high humidity and cloudy condition, combined attack of Downy mildew and Mosaic may be seen. Apply Ridomil Gold MZ (@2 gm per litre) to control the attack.
- Chilli: The present weather conditions are favorable for occurrence of thrips and mite in chillies. To control spray diphenituran@ 1.25 gm/litre of water is recommended.



**Figure: 1. Latest available satellite picture as on 28 August 2018 at 0230 Hrs (IST).
(Source: IMD).**

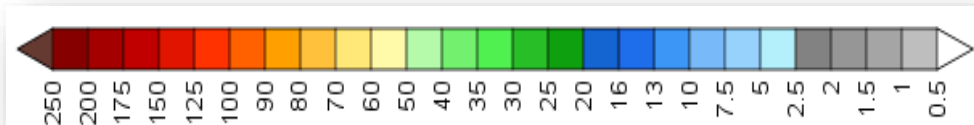
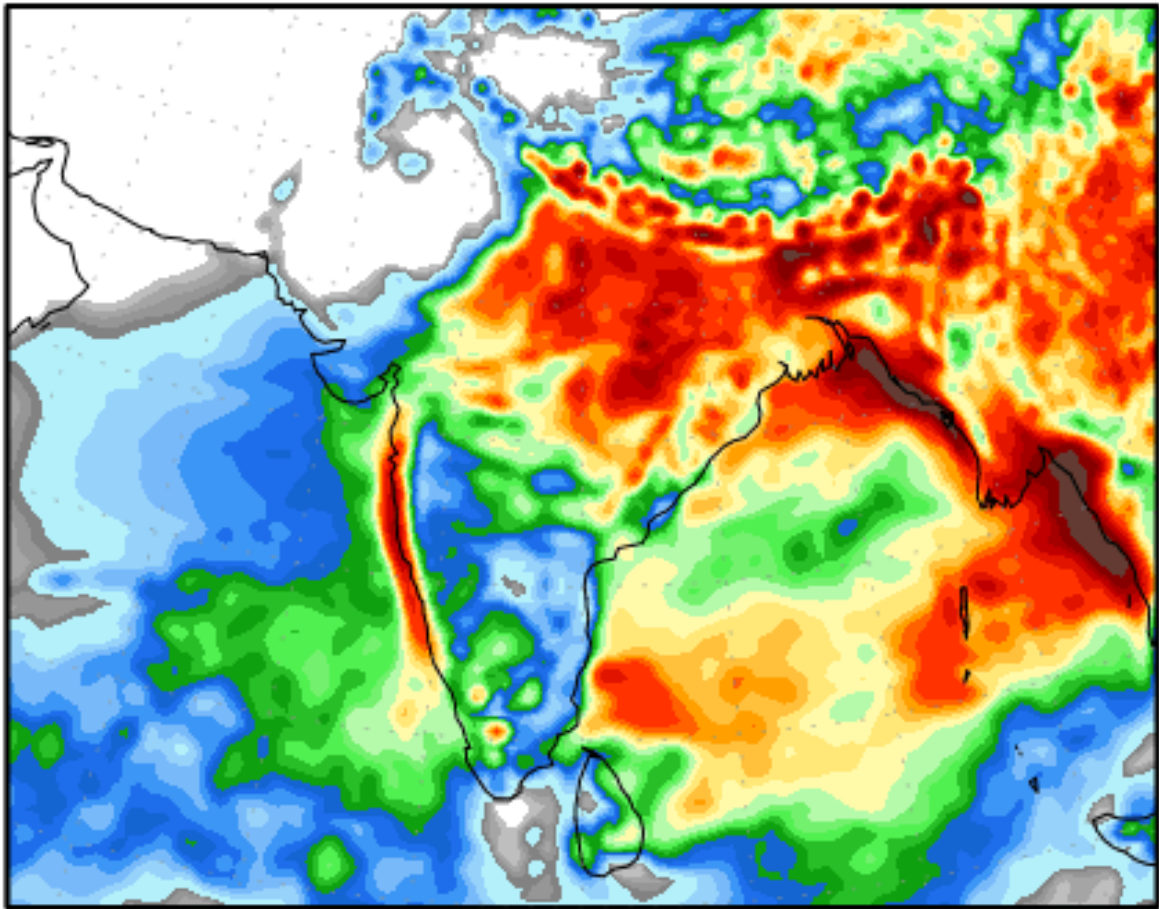


Figure: 2. Precipitation forecast for 28 August to 03 September 2018 (Source: NOAA NCEP).