

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 10 July 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Ongoing active monsoon conditions are very likely to continue over central India and south Peninsula during next 5-6 days.
- Rainfall activity is likely to increase over parts of northwest India during next 24 hours. Subdued rainfall activity is likely to continue over East and Northeast India during next 3-4 days.
- A low pressure area is very likely to form over north Bay of Bengal and neighbourhood around 13th July and become more marked subsequently.
- Sea conditions are very likely to remain very rough over major parts of the Arabian Sea and Bay of Bengal during next 5 days.
- Extremely Heavy rain occurred at isolated places over Konkan from 0830 hours IST of yesterday to 0830 hours IST of today.
- Heat wave prevailed at isolated places over north Rajasthan, south Haryana and northwest Madhya Pradesh.
- 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 Arunachal Pradesh, Sub Himalayan West Bengal & Sikkim, Chhattisgarh, Telangana, Vidarbha, Konkan & Goa, Coastal Karnataka, Kerala, Lakshadweep and Andaman & Nicobar Islands; at many places over Uttrakhand, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha, Madhya Pradesh, Interior Karnataka, Coastal Andhra Pradesh and Tamilnadu & Puducherry ; at a few places over Gujarat, Himachal Pradesh, Assam & Meghalaya, East Rajasthan, Bihar, Jharkhand and Rayalaseema; at isolated places over Jammu & Kashmir, Uttar Pradesh, Haryana, Chandigarh & Delhi and Punjab.
- Maximum temperature departures as on 09.07.2018: Maximum temperatures were markedly above normal (5.1°C or more) at isolated places over West Madhya Pradesh; appreciably above normal (3.1°C to 5.0°C) at most places over West Rajasthan and East Madhya

Pradesh; at many places over Haryana & Delhi; at a few places over East Rajasthan, East Uttar Pradesh and Bihar; above normal (1.6°C to 3.0°C) at many places over Sub Himalayan West Bengal & Sikkim and Himachal Pradesh; at a few places over Punjab, Assam & Meghalaya, Gangetic West Bengal, Odisha and Saurashtra & Kutch; at isolated places over Jammu & Kashmir. They were markedly below normal (5.1°C or less) at a few places over Telangana; appreciably below normal (3.1°C to 5.0°C) at most places over Vidharbha; at a few places over Madhya Maharashtra and Kerala; at isolated places over Konkan & Goa; below normal (1.6°C to 3.0°C) at many places over Coastal Andhra Pradesh and Marathwada; at a few places over Tamilnadu & Puducherry and near normal over rest of the country.

- Yesterday, the highest maximum temperature of 45.4°C was recorded at Churu (West Rajasthan) over plains of the country.
- Minimum temperature departures as on 10.07.2018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at many places over west Rajasthan; at a few places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, East Rajasthan and Uttar Pradesh; at isolated places over Punjab ; above normal (1.6°C to 3.0°C) at many places over Bihar, Jharkhand and Andaman & Nicobar Islands; at a few places over Assam & Meghalaya, West Bengal & Sikkim, Odisha and Gujarat; at isolated places over Tamilnadu & Puducherry. They are appreciably above normal(3.1°C to 5.0°C) at isolated places over Madhya Pradesh; below normal (1.6°C to 3.0°C) at many places over Konkan & Goa; at a few places over Coastal Andhra Pradesh and Lakshadweep; at isolated places over Telangana and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 10 July (Day 1): Heavy to very heavy rain at a few places with extremely heavy falls at isolated places very likely over Konkan & Goa; heavy to very heavy rain with extremely heavy rain at isolated places over West Madhya Pradesh, Saurashtra and south Gujarat Region; heavy rain at a few places with very heavy rain at isolated places over Coastal Karnataka and Kerala; heavy to very heavy rain at isolated places over Uttarakhand, South Interior Karnataka and Madhya Maharashtra; heavy rain at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Odisha, Himachal Pradesh, East Rajasthan, East Madhya Pradesh, Chhattisgarh, Vidarbha, Coastal Andhra Pradesh, Telangana and interior Tamil Nadu. Heat wave conditions very likely to prevail at isolated places over north Rajasthan, south Haryana and northwest Madhya Pradesh.
- 11 July (Day 2): Heavy to very heavy rain at a few places with extremely heavy falls at isolated places very likely over Konkan & Goa; heavy to very heavy rain with extremely heavy rain at isolated places over West Madhya Pradesh and south Gujarat Region; heavy rain at a few places with very heavy rain at isolated places over Coastal Karnataka and Kerala; heavy to very heavy rain at isolated places over Saurashtra, Uttarakhand, East Rajasthan, East Madhya Pradesh and South Interior Karnataka; heavy rain at isolated places over Odisha, Uttar Pradesh, Himachal Pradesh, Jammu & Kashmir, Madhya Maharashtra and Vidarbha.

- 12 July (Day 3): Heavy to very heavy rain with extremely heavy rain at isolated places very likely over West Madhya Pradesh; heavy rain at a few places with very heavy rain at isolated places over Konkan & Goa ; heavy to very heavy rain at isolated places over south Gujarat Region, Coastal Karnataka, Uttarakhand, Himachal Pradesh, West Uttar Pradesh, East Rajasthan and East Madhya Pradesh; heavy rain at isolated places over Assam & Meghalaya, Odisha, Haryana, Chandigarh & Delhi, Punjab, East Uttar Pradesh, Jammu & Kashmir, Saurashtra, Madhya Maharashtra, South Interior Karnataka and Kerala.
- 13 July (Day 4): Heavy rain at a few places with very heavy rain likely at isolated places over Konkan & Goa ; heavy to very heavy rain at isolated places over Uttarakhand, Himachal Pradesh, Coastal Karnataka, East Rajasthan and West Madhya Pradesh; heavy rain at isolated places over Assam & Meghalaya, Odisha, Jharkhand, Haryana, Chandigarh & Delhi, Punjab, Uttar Pradesh, Jammu & Kashmir, East Madhya Pradesh, Gujarat state, Chhattisgarh, Madhya Maharashtra, South Interior Karnataka and Kerala.
- 14 July (Day 5): Heavy to very heavy rain at a few places with extremely heavy rain at isolated places likely over Konkan & Goa ; heavy to very heavy rain at isolated places over Odisha, Saurashtra & Kutch, Madhya Maharashtra, Chhattisgarh, Coastal Karnataka and West Madhya Pradesh; heavy rain at isolated places over Assam & Meghalaya, Jharkhand, Rajasthan, Himachal Pradesh, Uttarakhand, East Madhya Pradesh, Gujarat region, Coastal Andhra Pradesh, South Interior Karnataka and Kerala.
- The weather outlook for the period of seven days *i.e* 10 to 17 July 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, Haryana, Chandigarh & Delhi, Punjab, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Uttar Pradesh, East Rajasthan, Bihar, Jharkhand, Gujarat, Odisha, Madhya Pradesh, Chhattisgarh, Telangana, Vidarbha, Konkan & Goa, Interior Karnataka, Rayalaseema, Coastal Andhra Pradesh, Tamilnadu & Puducherry, Coastal Karnataka, Kerala, Lakshadweep and Andaman Islands and North eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

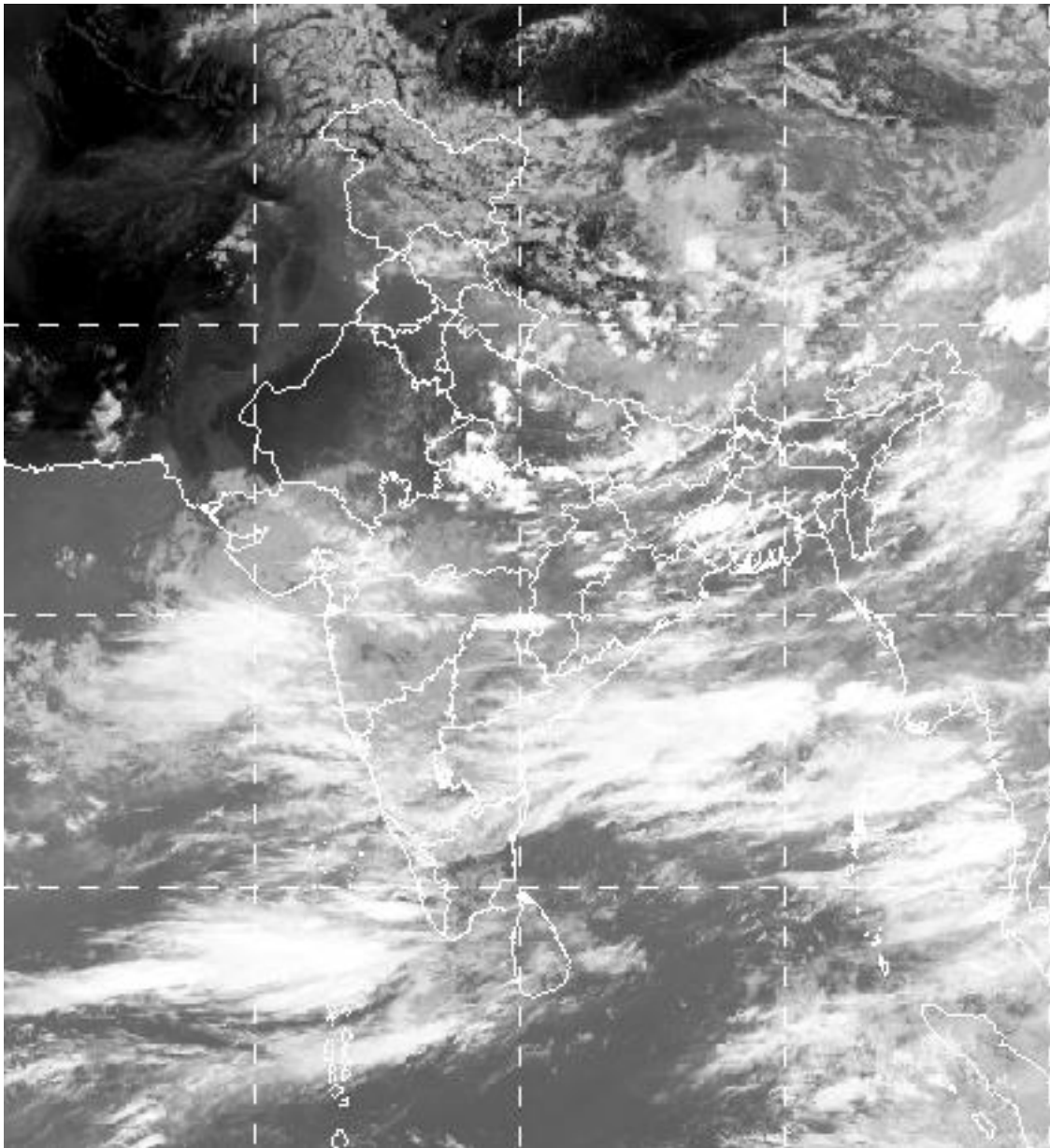
Uttarakhand

Weather condition

Light rainfall received in Uttarakhand state during this past few days. Both maximum and minimum temperatures are near normal.

Contingency measure:

- As per forecast received from IMD, light to moderate rainfall is expected next five days.
- Transplanting of Cabbage, Broccoli seedling. Keen interest to root treatment with Bavistine/Captan @ 2.0gm per liter of water, before half an hour of transplanting.



**Figure: 1. Latest available satellite picture as on 10 July 2018 at 0230 Hrs (IST).
(Source: IMD).**

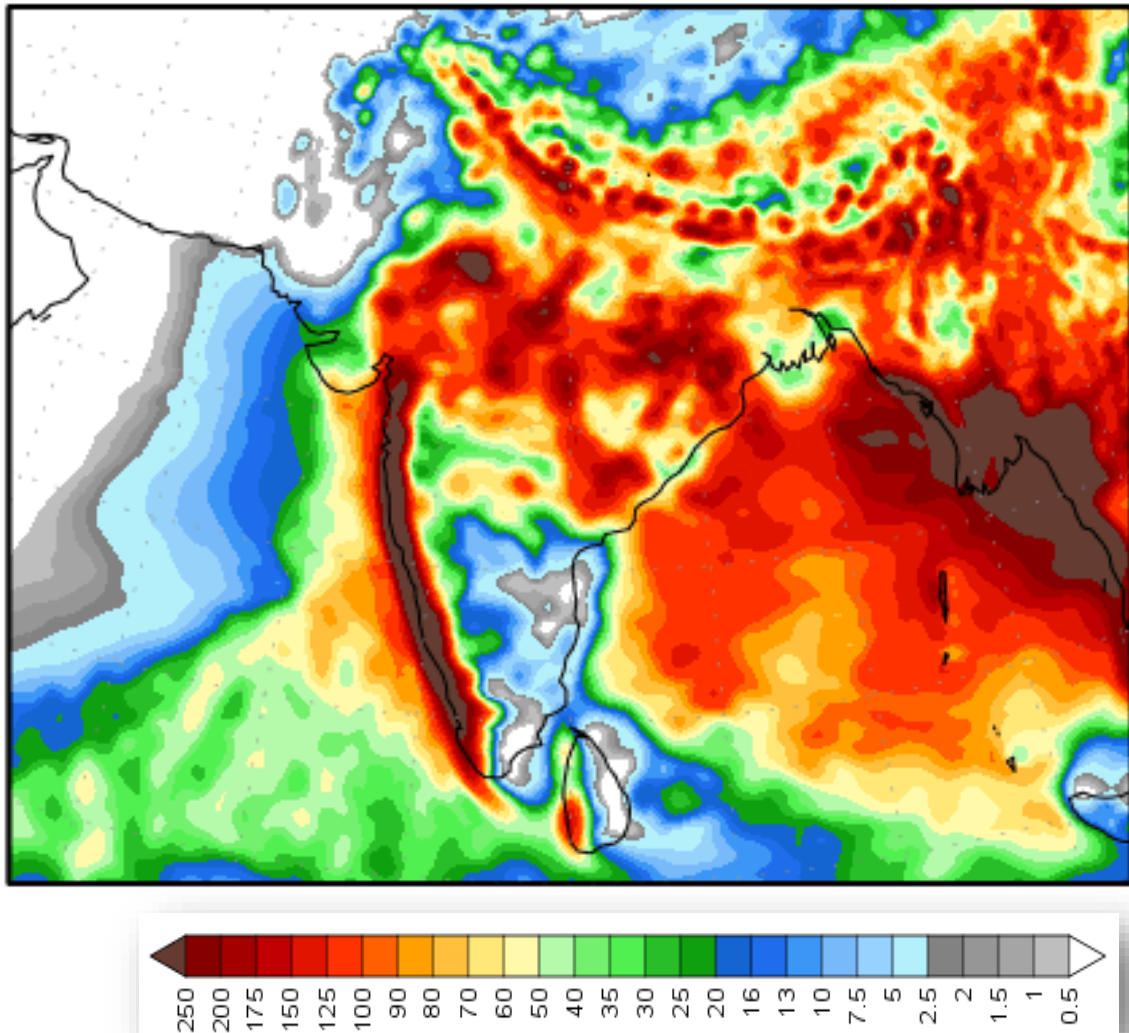


Figure: 2. Precipitation forecast for 10 to 17 July 2018 (Source: NOAA NCEP).