

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 18 July 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The low pressure area over northeast Madhya Pradesh & adjoining southeast Uttar Pradesh and north Chhattisgarh now lies over East Madhya Pradesh & adjoining southeast Uttar Pradesh and Chhattisgarh with associated cyclonic circulation extending upto 7.6 km above mean sea level.
- A midtropospheric cyclonic circulation is persisting over Gujarat and neighbourhood since last few days and now lies over south Gujarat and adjoining Northeast Arabian Sea between 3.1 km & 7.6 km above mean sea level.
- The western end of the monsoon trough has shifted slightly northward and it extends upto 1.5 Km above mean sea level.
- Under the influence of the above systems, the enhanced rainfall activity over the parts of central India likely to continue for another 48 hours.
- A low pressure area is likely to form over north Bay of Bengal & neighbourhood around 21st July.
- Sea conditions are very likely to remain very rough over major parts of the Arabian Sea and Andaman Sea during next 3 days and over north Bay of Bengal during 20-23rd July. Fishermen are advised not to venture into these sea areas.
- Extremely heavy rain occurred at isolated places over Saurashtra & East Madhya Pradesh; Heavy rain at many places over Kerala and at isolated places over Tamilnadu, West Madhya Pradesh and Madhya Maharashtra from 0830 hours IST yesterday to 0830 hours 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 at most places over West Bengal & Sikkim, Gujarat, Madhya Maharashtra, Madhya Pradesh, Chhattisgarh, Konkan & Goa, Telangana, Coastal Karnataka, Vidarbha, Kerala and Lakshadweep; at many places over Jammu & Kashmir, Punjab, Nagaland, Manipur, Mizoram & Tripura, East Rajasthan and Andaman & Nicobar islands; at

a few places over Himachal Pradesh, Uttarakhand, Arunachal Pradesh, Assam & Meghalaya, Haryana, Chandigarh & Delhi, East Uttar Pradesh, West Rajasthan, Bihar, Jharkhand, Marathwada, Coastal Andhra Pradesh, north Interior Karnataka and Tamilnadu & Puducherry and at isolated places over South Interior Karnataka.

- Maximum temperature departures as on 17.07.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Assam & Meghalaya and East Madhya Pradesh; above normal (1.6°C to 3.0°C) at most places over Uttar Pradesh, Sub Himalayan West Bengal & Sikkim and Bihar; at a few places over Uttarakhand, Coastal Andhra Pradesh, Rayalaseema and Tamilnadu & Puducherry; at isolated places over Delhi, Gangetic West Bengal, Nagaland, Manipur, Mizoram & Tripura and Kerala. They were appreciably below normal (3.1°C to 5.0°C) at many places over Marathawada; at a few places over West Madhya Pradesh and Vidharbha; below normal (1.6°C to 3.0°C) at many places over Gujarat, Chhattisgarh and Madhya Maharashtra; at a few places over Odisha and Telangana; at isolated places over Haryana & Chandigarh and South Interior Karnataka and near normal over rest of the country.
- Yesterday, the highest maximum temperature of 42.6°C was recorded at Phalodi (West Rajasthan) over plains of the country.
- Minimum temperature departures as on 18.07.2018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at a few places over Assam & Meghalaya; at isolated places over Sub Himalayan West Bengal & Sikkim; above normal (1.6°C to 3.0°C) at most places over Uttarakhand and East Uttar Pradesh ; at many places over Punjab and Bihar; at a few places over Jammu & Kashmir, Himachal Pradesh, Haryana, Chandigarh & Delhi, West Uttar Pradesh and Rajasthan; at isolated places over Jharkhand, Madhya Pradesh, Chhattisgarh, Coastal Andhra Pradesh and Tamilnadu & Puducherry. They are below normal (1.6°C to 3.0°C) at most places over Lakshadweep; at a few places over Saurashtra & Kutch; at isolated places over Odisha, Madhya Maharashtra, Telangana and Kerala and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 18 July (Day 1): Heavy to very heavy rain with extremely heavy falls at isolated places very likely over Gujarat State; heavy rain at a few places with very heavy falls at isolated places very likely over West Madhya Pradesh; heavy to very heavy rain at isolated places very likely over East Rajasthan, East Madhya Pradesh and Kerala and heavy rain at isolated places very likely over Punjab, Haryana & Chandigarh, West Rajasthan, Andaman & Nicobar Islands, Meghalaya, Madhya Maharashtra, Konkan & Goa, Coastal Karnataka, Interior Karnataka and Ghats of Tamilnadu. Squally wind speed reaching 35-45 kmph gusting to 55 kmph is very likely over Andaman & Nicobar Islands. Fishermen are advised not to venture into sea along & off Andaman & Nicobar Islands.
- 19 July (Day 2): Heavy rain at a few places with very heavy falls at isolated places very likely over East Rajasthan and West Madhya Pradesh; heavy to very heavy rain at isolated places very likely over East Madhya Pradesh, Gujarat State and Kerala and heavy rain at isolated places very likely over Uttarakhand, Haryana & Chandigarh, West Uttar Pradesh,

West Rajasthan, Andaman & Nicobar Islands, Madhya Maharashtra, Konkan & Goa and Coastal Karnataka. Squally wind speed reaching 35-45 kmph gusting to 55 kmph is very likely over Andaman & Nicobar Islands. Fishermen are advised not to venture into sea along & off Andaman & Nicobar Islands.

- 20 July (Day 3): Heavy to very heavy rain at isolated places very likely over Kerala and heavy rain at isolated places very likely over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Gujarat State, Coastal Karnataka and Konkan & Goa. Squally wind speed reaching 35-45 kmph gusting to 55 kmph is very likely over Andaman & Nicobar Islands and along & off West Bengal coast. Fishermen are advised not to venture into sea along & off these areas.
- 21 July (Day 4): Heavy to very heavy rain at isolated places likely over Himachal Pradesh, Uttarakhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa and heavy rain at isolated places likely over Jammu & Kashmir, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Gangetic West Bengal, Odisha, Saurashtra & Kutch, Madhya Maharashtra, Kerala and Coastal Karnataka. Squally wind speed reaching 35-45 kmph gusting to 55 kmph is very likely over along & off West Bengal & Odisha coasts. Fishermen are advised not to venture into sea along & off these areas.
- 22 July (Day 5): Heavy to very heavy rain at isolated places likely over Himachal Pradesh, Uttarakhand, Punjab, Gangetic West Bengal, Odisha, Konkan & Goa and heavy rain at isolated places likely over Jammu & Kashmir, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Jharkhand, Madhya Maharashtra, Kerala, Coastal Karnataka, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Squally wind speed reaching 35-45 kmph gusting to 55 kmph is very likely over along & off West Bengal & Odisha coasts. Fishermen are advised not to venture into sea along & off these areas.
- The weather outlook for the period of seven days *i.e* 18 to 25 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, Uttarakhand, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Rajasthan, Sub Himalayan West Bengal & Sikkim, Bihar, Jharkhand, West Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Gujarat, Konkan & Goa, Karnataka, Madhya Maharashtra, Marathwada, Vidarbha, Telangana, Chhattisgarh, Coastal Andhra Pradesh, Kerala, Tamilnadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

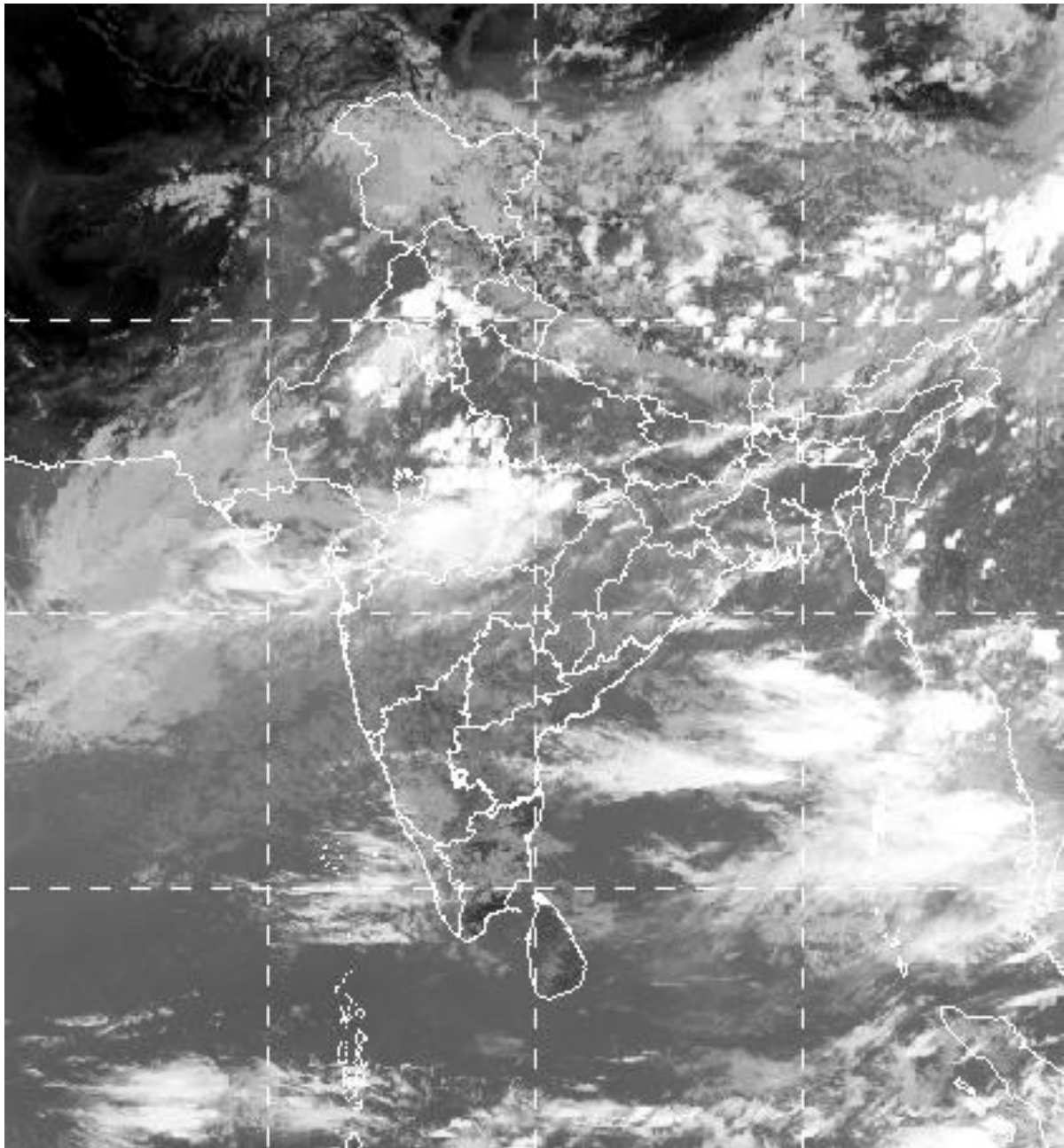
East Uttar Pradesh

Weather condition

Light rainfall received in Eastern Uttar Pradesh region of Uttar Pradesh state during the past few days.

Contingency measure:

- Looking rainfall farmers are advised for transplanting of medium and long duration varieties of paddy very soon. Nursery raising of short duration varieties of paddy. Direct seeding of paddy with improved varieties such as NDR-97,NDR-118.NDR-80,Susksamart etc.
- Weed control in early transplanted/direct seeded paddy in the field. Sowing of pigeonpea, maize, pearlmillet moong, urd. Earthing in sugarcane are advised.
- Under prevailing weather condition there is possibility of langra fever in cow, hence advised to contact veterinary doctor for vaccination..



**Figure: 1. Latest available satellite picture as on 18 July 2018 at 0230 Hrs (IST).
(Source: IMD).**

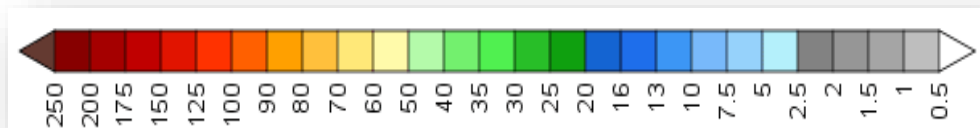
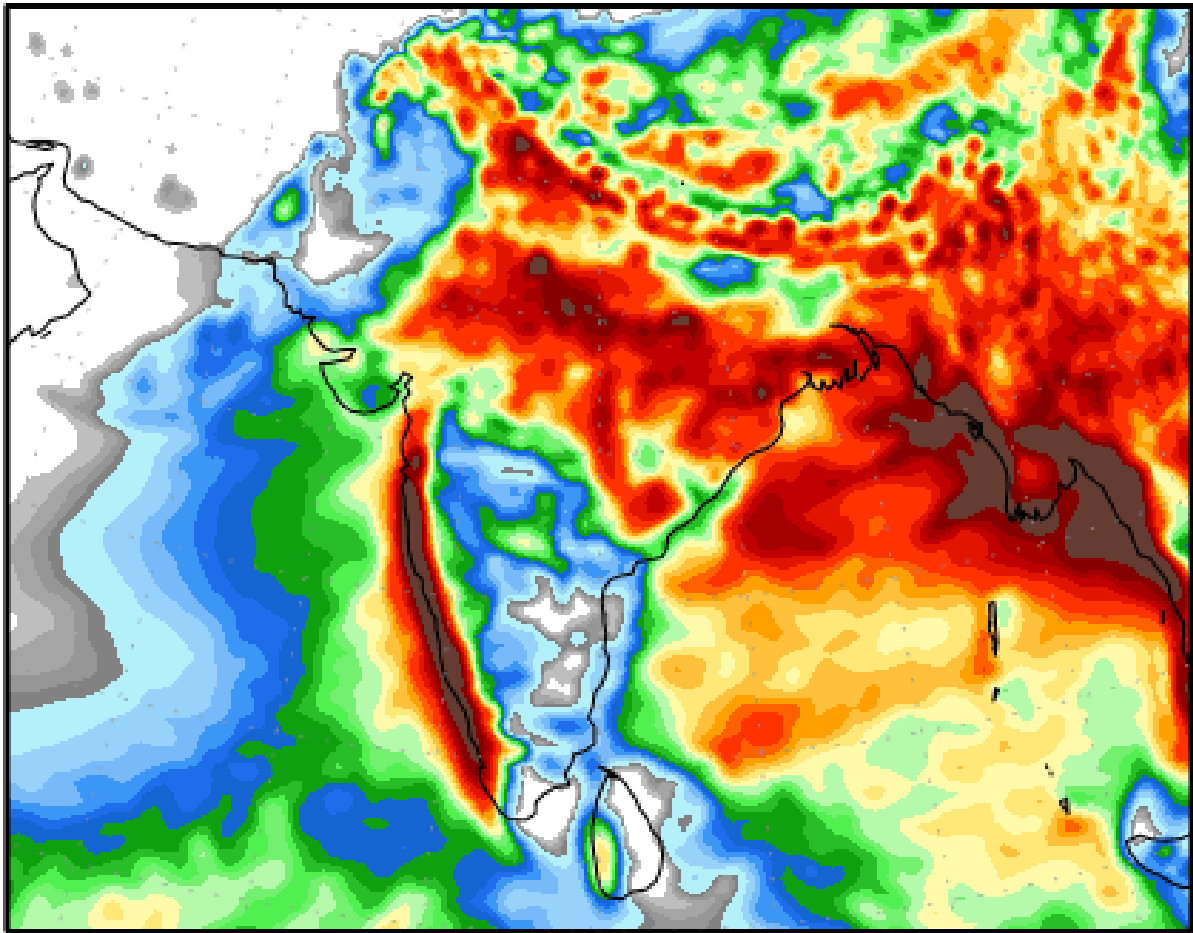


Figure: 2. Precipitation forecast for 18 to 25 July 2018 (Source: NOAA NCEP).