

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 01 July 2020

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The Western end of the monsoon trough at mean sea level is near its normal position and eastern end is north of its normal position and extends upto 1.5 km above mean sea level. A cyclonic circulation lies over North Chhattisgarh & neighbourhood between 3.1 km & 4.5 km above mean sea level.
- Under its influence, fairly widespread to widespread rainfall activity with isolated heavy falls very likely to continue over East Uttar Pradesh, Bihar, West Bengal & Sikkim and northeastern states during next 4 days. Isolated heavy to very heavy falls is also likely over East Uttar Pradesh and Sub-Himalayan West Bengal & Sikkim on 2nd & 3rd July, 2020.
- Scattered to fairly widespread rainfall very likely over central & adjoining east India during next 2 days and increase in intensity & distribution thereafter. Isolated heavy falls also very likely over Madhya Pradesh during next 2 days and isolated heavy to very heavy falls thereafter; isolated heavy falls over Chhattisgarh during next 4 days; over Bihar & Vidarbha from 1st to 4th July and heavy to very heavy at isolated places over Odisha from 2nd to 4th July, 2020.
- Widespread rainfall activity very likely to continue along the west coast during next 54 days. Isolated heavy to very heavy falls is also very likely over Konkan & Goa during next 4 days; Isolated heavy falls very likely over Coastal Karnataka during next 2 days and isolated heavy to very heavy falls thereafter and heavy falls over Kerala during next 4 days.
- Subdued rainfall activity over Western Himalayan Region and adjoining northwest India very likely to continue during next 2 days and its distribution & intensity very likely to increase thereafter.
- The images showing the latest satellite picture in the figure. 1.

Main Weather Observations (IMD)

- Rain/Thundershowers observed (from 0830 hours IST to 1730 hours IST of yesterday): at most places over Lakshadweep; at many places over Saurashtra & Kutch, Bihar, Chhattisgarh and Andaman & Nicobar Islands; at a few places over

Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Madhya Maharashtra and Coastal Karnataka; at isolated places over East Uttar Pradesh, West Bengal & Sikkim, Assam & Meghalaya, Jharkhand, Odisha, Madhya Pradesh, Telangana, Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

- Yesterday, heavy rainfall observed at isolated places over Chhattisgarh.
- Thunderstorm observed (from 0830 hours IST of yesterday to 0530 hours IST of today): at isolated places over Uttarakhand, East Uttar Pradesh, Rajasthan, Gujarat, East Madhya Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim, Odisha, Chhattisgarh, Konkan & Goa, Marathawada, Vidharbha, Telangana, Coastal Andhra Pradesh & Yanam, Coastal Karnataka and Tamil Nadu, Puducherry & Karaikal.
- Maximum Temperature Departures as on 30-06-2020: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at most places over West Rajasthan; at many places over East Rajasthan; at isolated places over East Madhya Pradesh; above normal (1.6°C to 3.0°C) at most places over Gangetic West Bengal; at many places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Haryana, Chandigarh & Delhi, West Madhya Pradesh, Vidarbha and Nagaland, Manipur, Mizoram & Tripura; at a few places over Telangana, Madhya Maharashtra, Bihar, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and South Interior Karnataka; at isolated places over Uttarakhand, Marathwada, Konkan & Goa, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. They were appreciably below normal (-3.1°C to -5.0°C) at a few places over Chhattisgarh and Andaman & Nicobar Islands; at isolated places over East Uttar Pradesh ; below normal (-1.6°C to -3.0°C) at isolated places over Saurashtra & Kutch and near normal over rest parts of the country. Yesterday, the highest Maximum temperature of 45.0°C was reported at Bikaner (West Rajasthan).
- Minimum Temperature Departures as on 30-06-2020: Minimum temperatures were markedly above normal (5.1°C or more) at a few places over West Rajasthan; above normal (1.6°C to 3.0°C) at many places over Haryana, Chandigarh & Delhi, East Rajasthan and Gujarat Region; at a few places over Saurashtra & Kutch and Sub-Himalayan West Bengal & Sikkim; at isolated places over Madhya Maharashtra, Telangana, Coastal Andhra Pradesh & Yanam and Lakshadweep. They were appreciably below normal (-3.1°C to -5.0°C) at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh and East Uttar Pradesh; below normal (-1.6°C to -3.0°C) at a few places over

Madhya Pradesh; at isolated places over Vidarbha and Odisha and near normal over rest parts of the country. Yesterday, the lowest minimum temperature of 19.8°C was reported at Alwar (East Rajasthan) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 01 July (Day 1): Heavy to very heavy rainfall very likely at isolated places over Konkan & Goa; heavy rainfall at isolated places over East Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Gujarat State, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh and Karnataka. Heat wave conditions at isolated pockets very likely over West Rajasthan. Thunderstorm accompanied with lightning very likely at isolated places over Haryana, Chandigarh & Delhi, Uttarakhand, Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Odisha, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Karnataka. Strong Wind (speed reaching 50-60 kmph) likely over Southwest & Westcentral Arabian Sea. Squally Weather (speed reaching 40-50 kmph) likely over Eastcentral & East Arabian Sea and along & off Gujarat-Maharashtra-Goa-Karnataka-Kerala coasts, Lakshadweep and north Andaman Sea. Fishermen are advised not to venture into sea over these areas.
- 02 July (Day 2): Heavy to very heavy rainfall very likely at isolated places over East Uttar Pradesh, East Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Konkan & Goa and Coastal Karnataka; heavy rainfall at isolated places over Uttarakhand, West Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Gangetic West Bengal, Odisha, Assam & Meghalaya, Gujarat Region, Madhya Maharashtra and Kerala & Mahe. Heat wave conditions at isolated pockets very likely over West Rajasthan. Thunderstorm accompanied with lightning very likely at isolated places over Uttarakhand, Uttar Pradesh, East Rajasthan, Jharkhand, Odisha, Coastal Andhra Pradesh & Yanam, Telangana and Rayalaseema. Strong Wind (speed reaching 50-60 kmph) likely over Southwest & Westcentral Arabian Sea. Fishermen are advised not to venture into sea over these areas.
- 03 July (Day 3): Heavy rainfall at a few places with very heavy rainfall at isolated places likely over East Uttar Pradesh; heavy to very heavy rainfall at isolated places over Uttarakhand, West Uttar Pradesh, Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Odisha, Madhya Maharashtra, Konkan & Goa and Coastal Karnataka; heavy rainfall at isolated places over Vidarbha, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Assam & Meghalaya, Gujarat State, Coastal

Andhra Pradesh & Yanam, Telangana, Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Thunderstorm accompanied with lightning likely at a few places over East Uttar Pradesh and at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Rajasthan, Jharkhand and Coastal Andhra Pradesh & Yanam. Strong Wind (wind speed reaching 50-60 kmph) likely over Southwest & Westcentral Arabian Sea and (wind speed reaching 40-50 kmph) over Central Bay of Bengal. High Wave (height upto 4 m) likely over North Arabian Sea. Fishermen are advised not to venture into sea over these areas.

- 04 July (Day 4): Heavy to very heavy rainfall at isolated places likely over Uttarakhand, West Madhya Pradesh, Odisha, Gujarat Region, Madhya Maharashtra and Konkan & Goa; heavy rainfall at isolated places over Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Saurashtra & Kutch, Telangana, Coastal Karnataka and Kerala & Mahe. Thunderstorm accompanied with lightning likely at a few places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, Jharkhand and Coastal Andhra Pradesh & Yanam. Strong Wind (wind speed reaching 50-60 kmph) likely over Southwest & Westcentral Arabian Sea and (wind speed reaching 40-50 kmph) over Central Bay of Bengal. High Wave (height upto 4 m) likely over North Arabian Sea. Fishermen are advised not to venture into sea over these areas.
- 05 July (Day 5): Heavy to very heavy rainfall at isolated places likely over Uttarakhand, East Madhya Pradesh, Odisha, Chhattisgarh, Saurashtra & Kutch and Konkan & Goa; heavy rainfall at isolated places over Uttar Pradesh, West Madhya Pradesh, Jharkhand, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat region, Madhya Maharashtra, Coastal Karnataka and Andaman & Nicobar Islands. Thunderstorm accompanied with lightning likely at a few places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, Jharkhand and Coastal Andhra Pradesh & Yanam. Strong Wind (wind speed reaching 50-60 kmph) likely over Southwest & Westcentral Arabian Sea and (wind speed reaching 40-50 kmph) over Central Bay of Bengal. High Wave (height upto 4 m) likely over North Arabian Sea. Fishermen are advised not to venture into sea over these areas.
- The weather outlook for seven days i.e., 01 to 09 July 2020 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from

<http://monsoondata.org/wx2/>) rain/thundershower may occur over Some parts of Extreme northern parts of India. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Maharashtra

Weather condition:

At Solapur centre: 28 May to 03 June. (SMW 22) during this period 3.9 mm rainfall was recorded. The Maximum temperature was range from 34.2 to 41.7 °C and minimum temperature range from 21 to 26.0 °C. relative humidity (RH I) ranged between 52 to 95 % and relative humidity (RH II) recorded was 26 to 63%. The wind speed varied between 4.4 to 11.0 km/hr.

Contingency measure:

- Harvesting of groundnut crops should be done at proper maturity stage.
- The preparatory tillage operations like ploughing for coming *Kharif* season should be carried out so that the preset hot weather will heat soil.
- Keep animals in shade. Give cool, clean and pure water to animals. Cover cows and buffaloes with get gunny bags to protect from high temperature. Water soaked gummy bags or other cloth should kept on body to avoid occurrence of heat stroke.

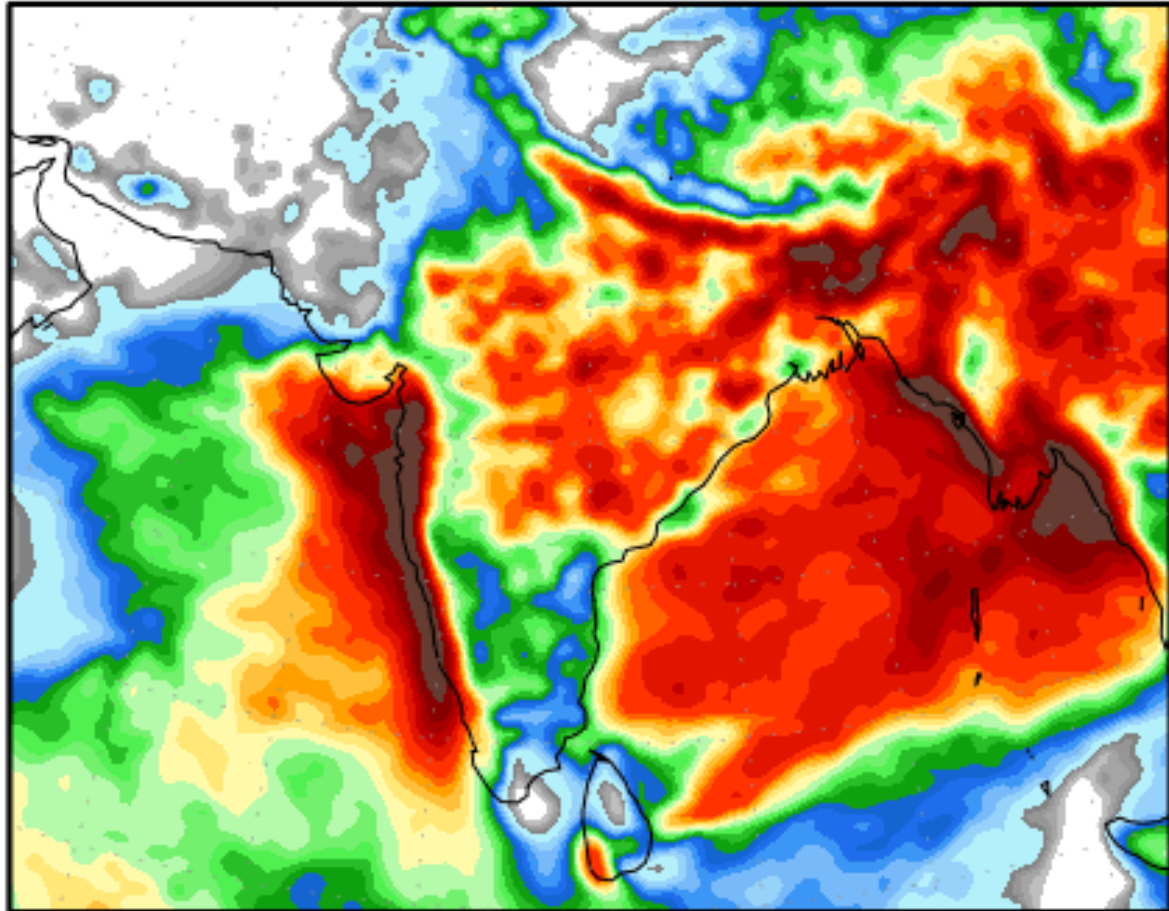


Figure:2. Precipitation forecast for 01 to 09 July 2020 (Source: NOAA NCEP).

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