All India Coordinated Research Project on Agrometeorology
CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 27 July 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The low pressure area now lies over west Uttar Pradesh & neighbourhood . This system is likely to remain quasistationary and thereby cause widespread rainfall with isolated heavy to very heavy rainfall over Uttar Pradesh, Uttarakhand, Himachal Pradesh, Haryana, Chandigarh & Delhi and Northwest Madhya Pradesh during next 2 days.

- A cyclonic circulation lies over northern parts of West Bengal & neighbourhood between 0.6 km & 7.6 km above mean sea level with the upper part tilting southwards with height. Under its influence a low pressure area is likely to form during next 2-3 days. Fairly widespread to widespread rainfall with isolated heavy to very heavy falls are very likely over West Bengal, Bihar and Jharkhand during next 3 days.

- Enhancement in rainfall activity likely over northeastern states from tomorrow.

- Heavy to very heavy and extremely heavy rainfall occurred at isolated places over Gangetic West Bengal; Heavy to very heavy rainfall over West Uttar Pradesh, Uttarakhand and Jharkhand and heavy rainfall over Himachal Pradesh, East Uttar Pradesh, Bihar, Nagaland, Manipur, Mizoram & Tripura and Assam & Meghalaya from 0830 hours IST of 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 observed at most places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Uttar Pradesh, West Bengal & Sikkim, Gangetic West Bengal, Jharkhand, Bihar, Odisha, Andaman & Nicobar Islands, Coastal Karnataka, Nagaland, Manipur, Mizoram & Tripura, East Madhya Pradesh, Chhattisgarh, Konkan & Goa, and Kerala; at many places over Punjab, Haryana, Chandigarh & Delhi, Arunachal Pradesh, Assam & Meghalaya, South Interior Karnataka, and Lakshadweep; at a few places over West Madhya Pradesh, Vidarbha, Madhya Maharashtra and North Interior Karnataka and at isolated places over East Rajasthan, Gujarat, Tamilnadu & Puducherry, Coastal Andhra Pradesh, Telangana and Rayalaseema.

- Maximum temperature departures as on 26.07.2018: Maximum temperatures were above normal (1.6°C to 3.0°C) at many places over Assam & Meghalaya, Coastal Andhra Pradesh and Tamilnadu & Puducherry; at a few places over Lakshadweep, Coastal Karnataka and Rayalaseema; at isolated places over Konkan & Goa, Kerala, Sub Himalayan west Bengal & Sikkim and Andaman & Nicobar Islands; They were appreciably below normal (3.1°C to 5.0°C) at most places over Jharkhand and Haryana, Chandigarh & Delhi; at many places over Madhya Pradesh and West Uttar Pradesh; at a few places over Punjab, East Uttar Pradesh, East Rajasthan, Gangetic West Bengal and Himachal Pradesh and at isolated places over Odisha and Saurashtra & Kutch; below normal (1.6°C to 3.0°C) at many places over Chhattisgarh, Vidarbha, Marathawada, West Rajasthan, Uttarakhand and Madhya Maharashtra; at a few places over Gujarat region and Jammu & Kashmir; at isolated places over Telangana and near normal over rest of the country.

- The highest maximum temperature of 37.6°C was recorded at Phalodi (West Rajasthan) over plains of the country.

- Minimum temperature departures as on 27.07.2018: Minimum temperatures are above normal (1.6°C to 3.0°C) at many places over Arunachal Pradesh, Sub Himalayan west Bengal & Sikkim and Konkan & Goa; at a few places over Assam & Meghalaya and Rayalaseema; at Isolated places over Telangana, Coastal Andhra Pradesh, Jammu & Kashmir, Andaman & Nicobar Islands and Tamilnadu & Puducherry; They are below normal (1.6°C to 3.0°C) at many places over Himachal Pradesh; at a few places over Uttar Pradesh and Madhya Pradesh; at isolated places over Punjab, Haryana, Chandigarh & Delhi, East Rajasthan, Gangetic west Bengal and Odisha and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 27 July (Day 1): Heavy to very heavy rain with extremely heavy falls at isolated places very likely over Gangetic West Bengal; heavy to very heavy rain at isolated places over Nagaland, Manipur, Mizoram & Tripura, Jharkhand, West Uttar Pradesh, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi and heavy rain at isolated places over Sub Himalayan West Bengal, Arunachal Pradesh, Assam & Meghalaya, Bihar, East Rajasthan, East Uttar Pradesh, Jammu & Kashmir, West Madhya Pradesh and Coastal Karnataka.

- 28 July (Day 2): 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 over Jharkhand and heavy rain at isolated places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Bihar, West Uttar Pradesh, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi and West Madhya Pradesh.

- 29 July (Day 3): Heavy to very heavy rain at isolated places very likely over Assam & Meghalaya and heavy rain at isolated places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Jharkhand, Bihar, Sub Himalayan West Bengal & Sikkim, West Uttar Pradesh, Uttarakhand and West Madhya Pradesh.

- 30 July (Day 4): Heavy to very heavy rain at isolated places likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Uttarakhand and heavy rain at isolated places

over Arunachal Pradesh, Sub Himalayan West Bengal & Sikkim, Uttar Pradesh, Madhya Pradesh, Kerala and Coastal & South Interior Karnataka.

- 31 July (Day 5): Heavy to very heavy rain at isolated places likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura and heavy rain at isolated places over Arunachal Pradesh, Sub Himalayan West Bengal & Sikkim, Uttar Pradesh, Uttarakhand, Madhya Pradesh, Kerala, Coastal & South Interior Karnataka and Tamilnadu.

- The weather outlook for the period of seven days *i.e* 27 July to 03 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, Jharkhand, Bihar, Odisha, Madhya Pradesh, Chhattisgarh, Gujarat, Konkan & Goa, Madhya Maharashtra, Marathwada, Vidarbha, North interior Karnataka, South Interior Karnataka, Coastal Karnataka, North Interior Karnataka, Telangana, Marathwada, Coastal Andhra Pradesh, Rayalaseema, Kerala, Tamilnadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Rajasthan

Weather condition

Moderate rainfall received over Rajasthan state during past few days. The maximum temperature ranged from 29.0 to 31.4 °C with mean value of 30.1°C which is 0.3 °C below the normal value. The minimum temperature ranged from 22.6 to 23.6°C with mean value of 23.0°C which is 1.0°C below normal value.

Contingency measure:

- Due to heavy rainfall Farmers are advised to remove excess water from the field and conserve rainwater in the field judiciously by proper bund making. Bunds should be higher and broader.

- Start thinning & weeding in maize, soybean and sorghum. Remove the extra plant in maize and keep plant to plant distance 20-25 cm. Postpone the plant protection measure. If fields are available and soil in working condition then start sowing of cucurbits and take seed from authentic source.

- Recommended varieties are Bottle Gourd- Pusa Naveen, Pusa Samridhi, Bitter Gourd- Pusa Visesh, Pusa-2 mosumi, Pumpkin- Pusa Visvash, Pusa Vikash, Ridge Gourd- Pusa Chikni etc.

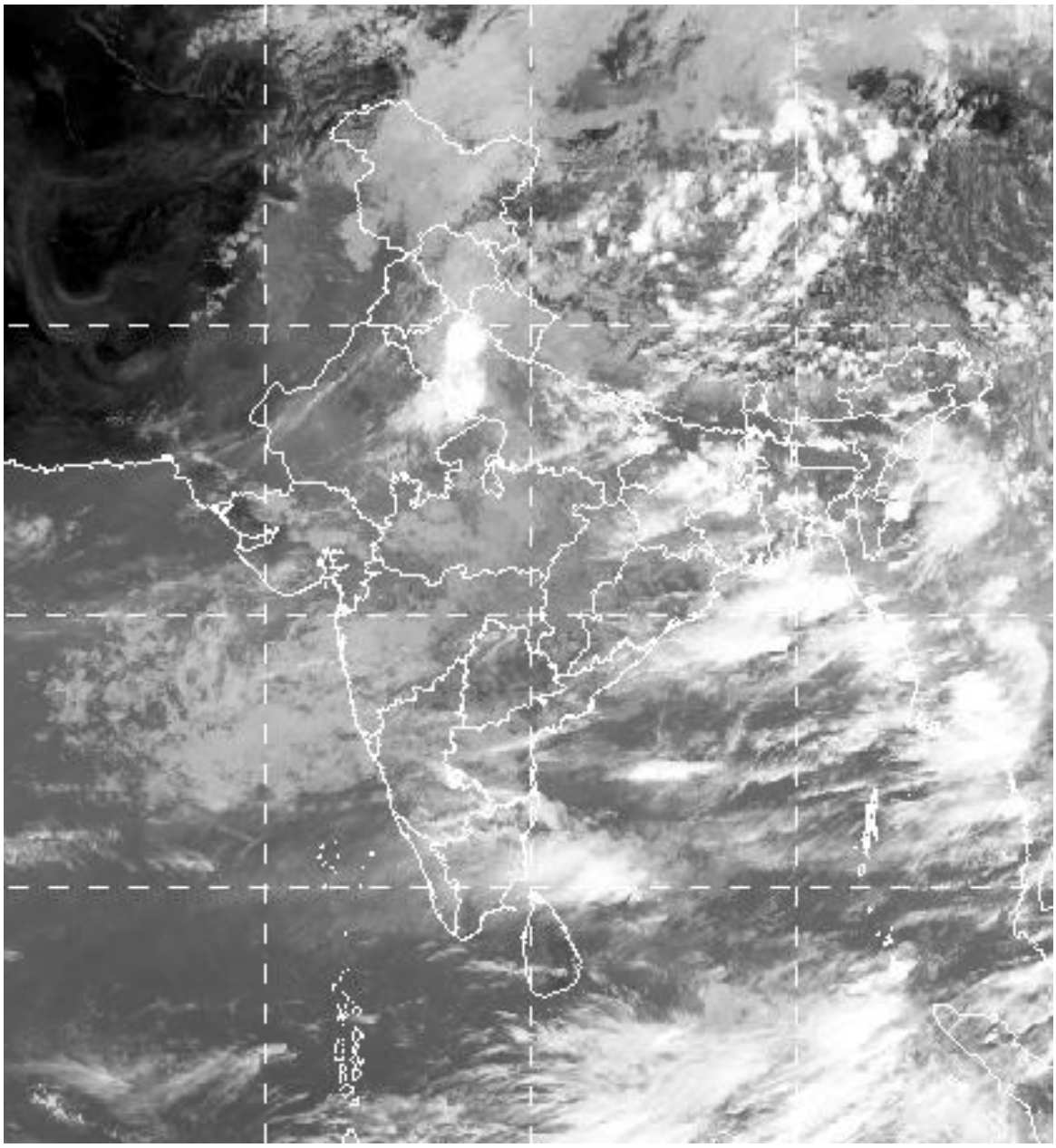

Figure: 1. Latest available satellite picture as on 27 July 2018 at 0230 Hrs (IST). (Source: IMD).

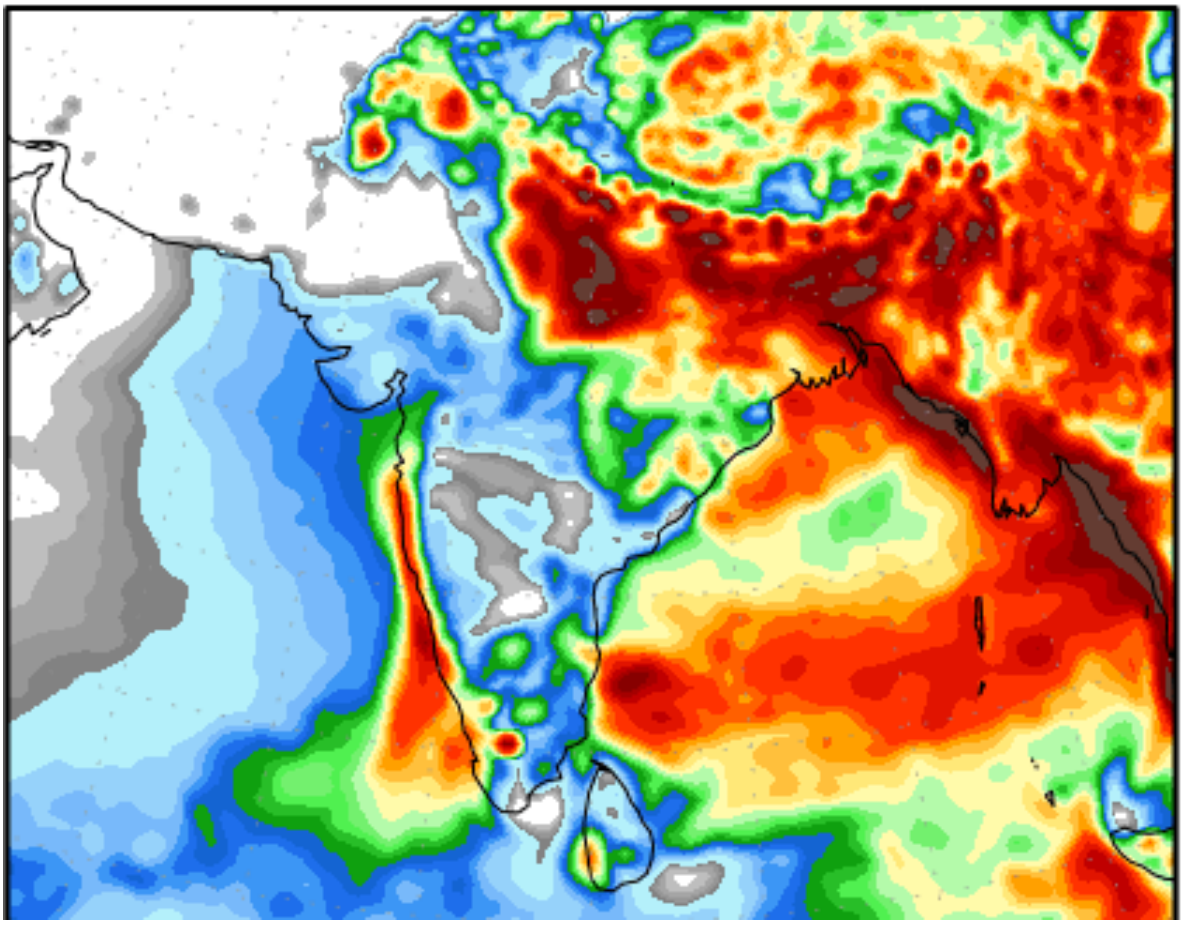

Figure: 2. Precipitation forecast for 27 July to 03 August 2018 (Source: NOAA NCEP).