

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 09 July 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The monsoon trough is passing along its near normal position at present and is active with embedded cyclonic circulations.
- A low pressure area is very likely to form over north Bay of Bengal and neighbourhood around 13th July and become more marked subsequently.
- Ongoing active monsoon conditions are very likely to continue over central India and south Peninsula during next 56 days. Rainfall activity is likely to increase over parts of northwest India during next 48 hours. Subdued rainfall activity is likely to continue over East and Northeast India during next 45 days.
- Sea conditions are very likely to remain very rough over major parts of the Arabian Sea and Bay of Bengal during next 5 days.
- Heavy to very heavy rain with extremely heavy falls occurred at isolated places over Konkan & Goa; heavy at isolated places over Madhya Maharashtra, Vidarbha, Chhattisgarh, Assam & Meghalaya, Arunachal Pradesh, South Interior Karnataka, Kerala and Tamilnadu & Puducherry 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 Konkan & Goa, Chhattisgarh, West Bengal & Sikkim, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Karnataka, Telangana, Marathwada, Vidarbha, Kerala and

Lakshadweep; at many places over Assam & Meghalaya and MadhyaMaharashtra; at a few places over Jharkhand, Odisha, Madhya Pradesh, Rayalaseema, south Gujarat and Coastal Andhra Pradesh; at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, East Uttar Pradesh, East Rajasthan, interior Tamilnadu and Andaman & Nicobar Islands.

- **Amount of rainfall recorded at 0830 hours IST of today (4 cm or more) are:** Dahanu 35; Mumbai (CLB) 17; Matheran & Agumbe 13 each; Mumbai (SCZ) 12; Gondia 11; Passighat 10; Alibag, Mahabaleshwar, Valparai & Palakkad 9 each; Jagdalpur 8; North Lakhimpur 7; Harnai & Malanjhand 6 each; Aminidivi, Durg & Ramagundam 5 each and Ahmadnagar, Karipur, Raipur, Nizamabad, Bramhapuri & Vengurla 4 each.
- **Maximum temperature departures as on 08-07-2018:** Maximum temperatures were markedly above normal (5.1 °C or more) at isolated places over north Madhya Pradesh; appreciably above normal (3.1 °C to 5.0 °C) at many places over Bihar; at a few places over Himachal Pradesh, Rajasthan, Uttar Pradesh and rest Madhya Pradesh; at isolated places over SubHimalayan West Bengal & Sikkim; above normal (1.6 °C to 3.0 °C) at most places over Punjab, Uttarakhand and Haryana, Chandigarh & Delhi; at a few places over Jammu & Kashmir, Saurashtra & Kutch and Chhattisgarh; at isolated places over Gujarat region, Odisha, Gangetic West Bengal and Assam & Meghalaya. They were markedly below normal (5.1 °C or less) at a few places over Telangana; at isolated places over Coastal Andhra Pradesh; appreciably below normal (3.1 °C to 5.0 °C) at isolated places over north Konkan & Goa and below normal (1.6 °C to 3.0 °C) at a few places over Madhya Maharashtra, Marathwada, Vidarbha, interior Karnataka and Tamil Nadu & Puducherry and near normal over rest of the country. The highest maximum temperature of 45.0 °C recorded at Churu (West Rajasthan) over plains of the country.
- **Minimum temperature departures as on 09-07-2018:** Minimum temperatures are appreciably above normal (3.1 °C to 5.0 °C) at most places over Haryana,

Chandigarh & Delhi; at a few places over Jammu & Kashmir, Uttarakhand, Punjab and east Rajasthan; at isolated places over Himachal Pradesh, West Rajasthan and north Madhya Pradesh; above normal (1.6 °C to 3.0 °C) at most places over Bihar and Sub Himalayan West Bengal & Sikkim; at many places over Uttar Pradesh; at a few places over Andaman & Nicobar islands; at isolated places over Gujarat, Odisha and Tamil Nadu & Puducherry. They are appreciably above normal (3.1 °C to 5.0 °C) at isolated places over Konkan & Goa; below normal (1.6 °C to 3.0 °C) at a few places over Telangana; at isolated places over Vidarbha, south Madhya Pradesh and Madhya Maharashtra and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

09 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 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 Vidarbha, south Gujarat Region, Madhya Maharashtra, Marathwada and South Interior Karnataka; heavy rain at isolated places over Uttarakhand, Madhya Pradesh, south Chhattisgarh, Saurashtra, Telangana, Tamil Nadu, Sub Himalayan West Bengal & Sikkim, Odisha and North Interior Karnataka.

10 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 Uttarakhand, South Interior Karnataka and Madhya Maharashtra; heavy rain at

isolated places over East Uttar Pradesh, East Rajasthan, East Madhya Pradesh, south Chhattisgarh, Marathwada, Vidarbha, Saurashtra, Tamil Nadu and North Interior Karnataka.

11 July (Day 3):

- 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 Madhya Pradesh and south Gujarat Region; heavy to very heavy rain at isolated places over Uttar Pradesh, East Rajasthan and Coastal Karnataka; heavy rain at isolated places over Uttarakhand, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu & Kashmir, Saurashtra, Madhya Maharashtra, Chhattisgarh, South Interior Karnataka and Kerala.

12 July (Day 4):

- 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 Madhya Pradesh; heavy to very heavy rain at isolated places over Uttarakhand, Himachal Pradesh, East Rajasthan, south Gujarat Region and Coastal Karnataka; heavy rain at isolated places over Odisha, Uttar Pradesh, Haryana, Chandigarh & Delhi, Punjab, Jammu & Kashmir, Saurashtra, Madhya Maharashtra, South Interior Karnataka and Kerala.

13 July (Day 5):

- 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 at isolated places over Uttarakhand, Himachal Pradesh, East Rajasthan, West Madhya Pradesh, south Gujarat Region and Coastal Karnataka; heavy rain at isolated places over Odisha, West Uttar Pradesh, Haryana, Chandigarh & Delhi, Punjab, Jammu &

Kashmir, East Madhya Pradesh, Saurashtra, Madhya Maharashtra, Chhattisgarh, South Interior Karnataka and Kerala.

- The weather outlook for the period of seven days *i.e* 25 to 31 May 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, Uttar Pradesh, Sub Himalayan West Bengal & Sikkim, Jharkhand, Madhya Pradesh, Odisha, Chhattisgarh, Maharashtra, Telangana, Andhra Pradesh, Karnataka, Kerala, Tamilnadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Kerala

Weather condition

Moderate to high rainfall received in the state during the one week. The maximum temperature ranges from 30.6 to 32.7 °C and minimum temperature ranges from 21.9 to 24.3 °C.

Contingency measure:

Rice (Tillering stage-Leaf folder): There is a chance of leaf folder attack in paddy. Use 2CC trichogramma cards per acre. Cut the cards in to small pieces and fix in different parts of the field in plastic cups. If the attack is severe, spray flubendiamide 1ml per 10 litre of water or chlorantraniliprole 3ml per 10 litre of water.

Banana (Bunch emergence stage-Spodoptrea): Destroy the affected leafs along with the Spodoptrea. For severe attack spray Flubendiamide (Fame) 2 ml/10 L of water.

Coconut (Bud rot): Three numbers of perforated Mancozeb sachet (5 gm) can be hung around spindle leaves as a prophylactic measure for bud rot.

Vegetables (cowpea-Flowering/Fruiting stage): There is a chance for the attack of thrips and mites in vegetables. Apply spiromesifen 8 ml/10 L of water.

Animal Husbandry: Ensure sufficient supply of clean drinking water to the animals. Take measures for preventing mosquito breeding in the premises.

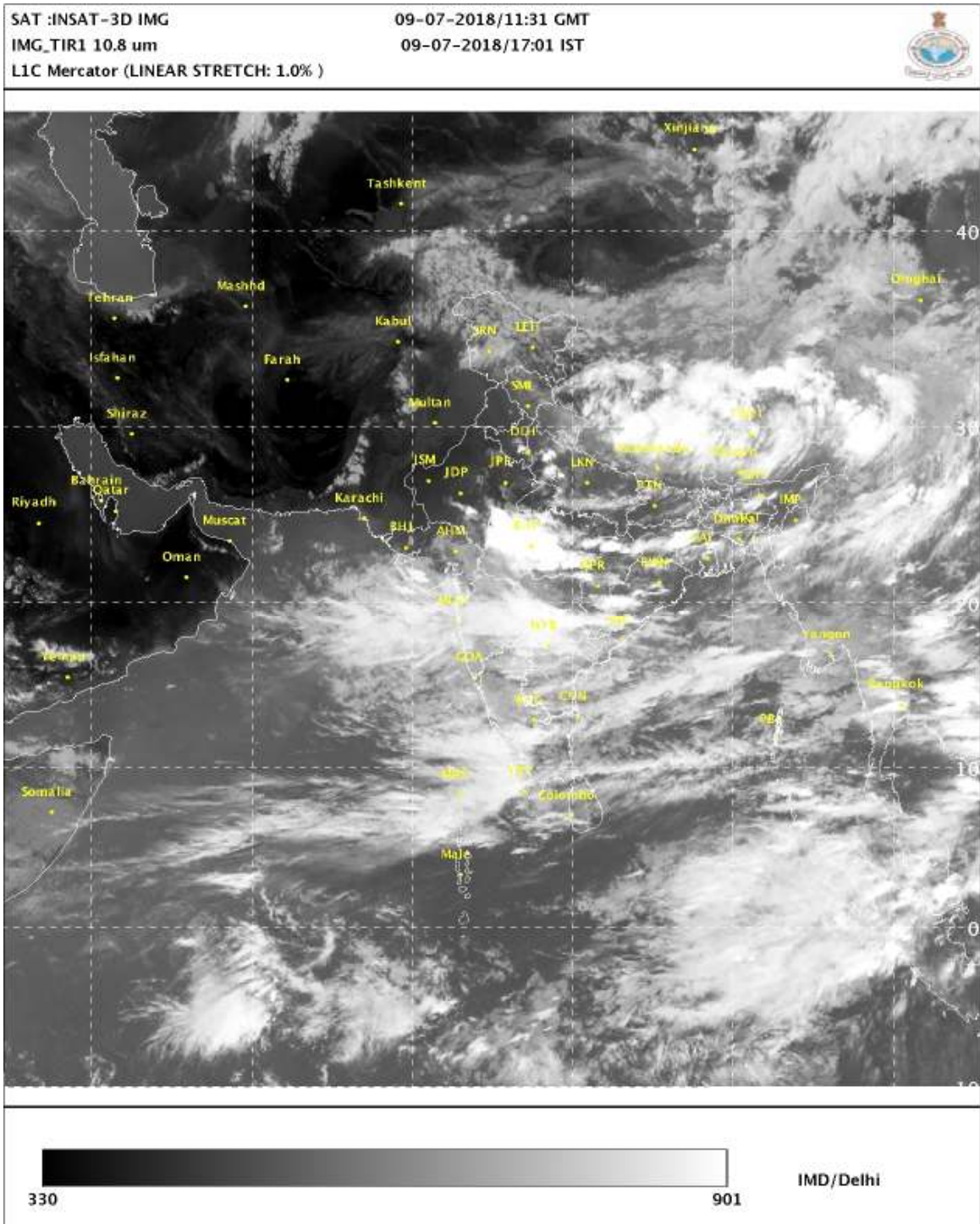


Fig. 1: Latest available satellite picture as on 09 Jul 2018 at 17 01 Hrs (IST).

(Source: IMD).

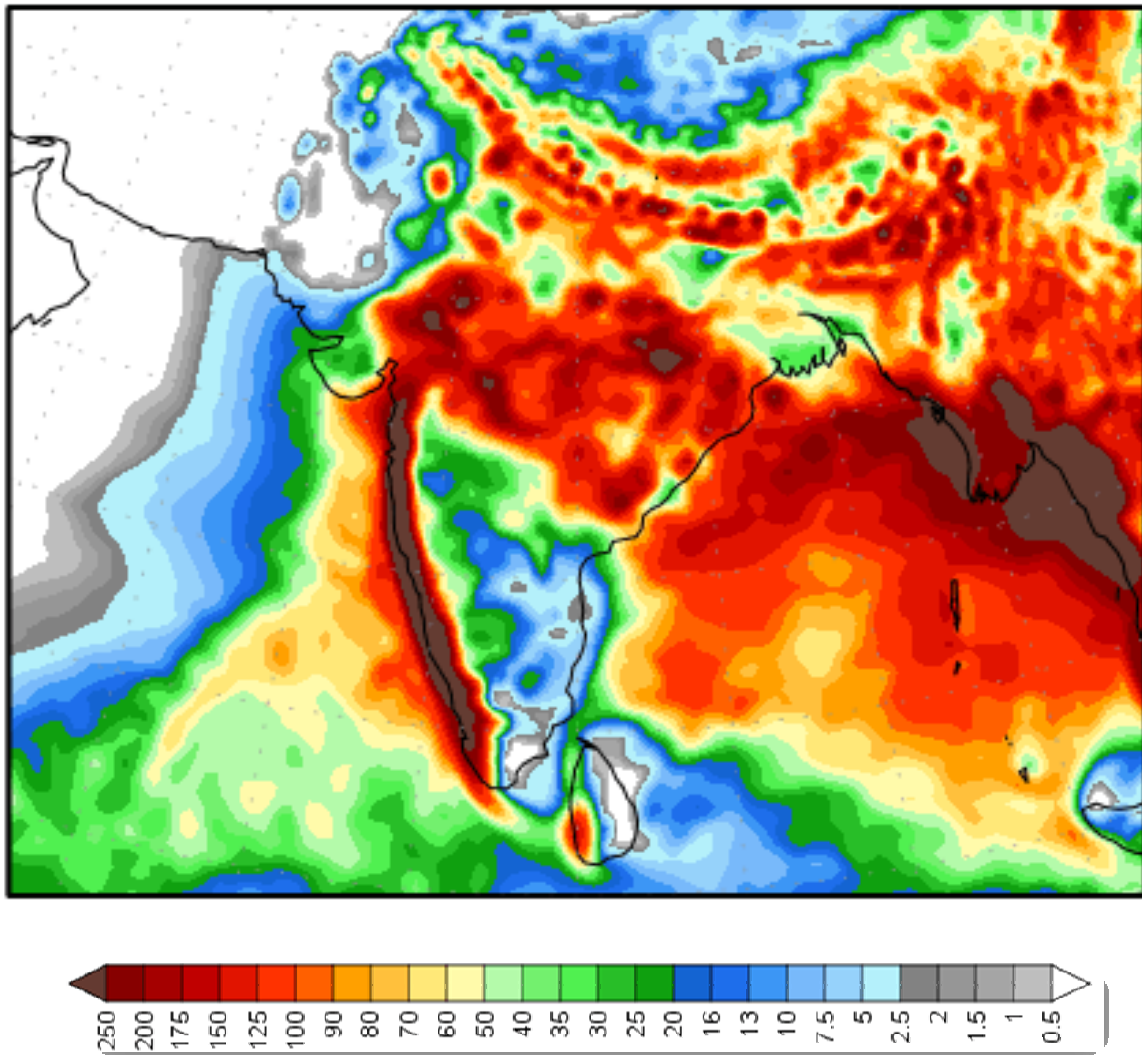


Figure 2: Precipitation forecast for 09 to 17 July 2018
(Source: NOAA NCEP).