

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

Attention: Rajiv Maheshwari, OSD, ICAR

Daily Crop Weather Information as on 19 June 2018

Significant Weather Features (IMD)

- The Northern Limit of Monsoon (NLM) continues to pass through Thane (including Mumbai), Ahmednagar, Buldhana, Amravati, Gondia, Titlagarh, Cuttack, Midnapore, Goalpara and Baghdogra. Further advance of southwest monsoon is not likely during next 56 days due to prevalence of weak monsoon pattern. Heat wave conditions are likely to prevail over parts of east India and coastal Andhra Pradesh during next 24 hours. Thunderstorm observed at isolated places over Jammu & Kashmir, East Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Odisha, Vidarbha, Kerala, Tamilnadu & Puducherry and Andaman & Nicobar Islands from 11:30 of yesterday to 05:30 hours IST of today. Heat wave conditions observed at some places over Gangetic West Bengal, Jharkhand, Odisha and at one or two pockets over Bihar, Coastal Andhra Pradesh yesterday.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall observed (from 0830 to 17:30 hours IST of yesterday) : Rain/thundershowers observed at most places over Konkan & Goa, Coastal & North Interior Karnataka and Andaman & Nicobar islands; at many places over Assam & Meghalaya, at a few places over Arunachal Pradesh, Jharkhand, East Madhya Pradesh and Kerala; at isolated places over West Rajasthan, East Uttar Pradesh, West Madhya Pradesh, Vidarbha, Sub-Himalayan West Bengal, Sikkim, Chhattisgarh, Madhya Maharashtra, South Interior Karnataka, Tamilnadu & Puducherry. Amount of rainfall recorded at 17:30 hours IST of yesterday (2 cm or more) were Panjim, Vishakhapatnam, Karwar; Nagpur, Port Blair, Harnai, Kanpur, Seoni, Carnicobar and Honavar.
- **Maximum temperature departures as on 18-06-2018:** Maximum temperatures were markedly above normal (5.1°C or more) at most places over gangetic West Bengal; at a few places over Odisha, Jharkhand and north Coastal Andhra Pradesh; appreciably above normal (3.1°C to 5.0°C) at many places over Chhattisgarh; at a few places over East Uttar Pradesh and Bihar and above normal (1.6°C to 3.0°C) at most places over south Coastal Andhra Pradesh; at many places over Rayalaseema, at a few places over Gujarat, Vidarbha, Telangana and Madhya Pradesh; at isolated places over Tamilnadu, Puducherry and Kerala. They were markedly below normal (5.1°C or less) at many places over Punjab, Haryana, Chandigarh & Delhi; at isolated places over West

Rajasthan; appreciably below normal (3.1°C to 5.0°C) at a few places over Jammu & Kashmir; below normal (1.6°C to 3.0°C) at many places over Konkan & Goa; at isolated places over Madhya Maharashtra, Assam & Meghalaya and North Interior Karnataka and near normal over rest of the country. The Highest maximum temperature of 43.5°C recorded at Fatehgarh (West Uttar Pradesh) over plains of the country.

- **Minimum temperature departures as on 18062018 :** Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Gangetic West Bengal and at isolated places over Bihar, Jharkhand, Vidarbha, Telangana and Odisha, above normal (1.6°C to 3.0°C) at a few places over Madhya Pradesh, Rayalaseema and Coastal Andhra Pradesh and at isolated places over Saurashtra & Kutch, East Rajasthan and Sub Himalayan West Bengal & Sikkim. They were appreciably below normal (3.1°C to 5.0°C) at many places over West Rajasthan; below normal (1.6°C to - 3.0°C) at most places over Punjab; at many places over Haryana, Chandigarh, Delhi, Konkan & Goa; at a few places over Himachal Pradesh and at isolated places over Jammu & Kashmir and Madhya Maharashtra and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- **19 June (Day 1) :** Heavy to very heavy rain at isolated places very likely over Konkan & Goa, Kerala, coastal Karnataka, SubHimalayan West Bengal, Sikkim and Andaman & Nicobar Islands. Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Tamilnadu, Rayalaseema, north Coastal Andhra Pradesh, Telangana and south Interior Karnataka. Heat wave conditions are very likely at some places over Coastal Andhra Pradesh and at one or two pockets over Bihar, Gangetic West Bengal, Odisha and Jharkhand.
- **20 June (Day 2) :** Heavy to very heavy rain at isolated places expected over Konkan & Goa, Assam, Meghalaya, Madhya Maharashtra, Kerala, coastal Karnataka and Andaman & Nicobar Islands.
- **21 June (Day 3) :** Heavy rain expected at isolated places over Konkan & Goa; Assam, Meghalaya and heavy rainfall at isolated places over Arunachal Pradesh, Maharashtra, Kerala and coastal Karnataka.
- **22 June (Day 4):** Heavy to very heavy rainfall expected at isolated places over Konkan & Goa, Assam & Meghalaya and heavy at isolated places over Arunachal Pradesh, Kerala and coastal Karnataka.

- **23 June (Day 5) :** Heavy to very heavy rainfall expected at isolated places over Konkan & Goa, Assam & Meghalaya and heavy at isolated places over Arunachal Pradesh, Kerala and coastal Karnataka.
- The weather outlook for the period of eight days i.e. 19 June to 27 June 2018 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>) Light to heavy rainfall expected over Central, Peninsular and North East India (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

West Bengal

Weather condition:

- West Bengal received light rainfall in the last few days. The maximum and minimum temperatures were ranged between 37.0°C to 39°C and 26°C to 30°C, respectively.

Contingency measure:

- **Jute:** Sudden increase in temperature increase the evapotranspiration and creating water stress situation with thermal injury.
- For vegetable crop also irrigation should be given to cope with such high temperature increase.
- **Aman Rice:** Keep proper water condition through irrigation in nursery-bed, Shading can be provided to nursery bed for survival of plant against scorching sun rays and high temperature. Irrigation is must for upland condition.
- Brinjal Fruit and shoot borer is very severe in maximum places. Apply Triazophos 40 EC @ 1.5 ml, Spinosad 45 EC @ 0.2 ml or Cartap Hydrochloride @ 0.75 g per litre of water alternatively.

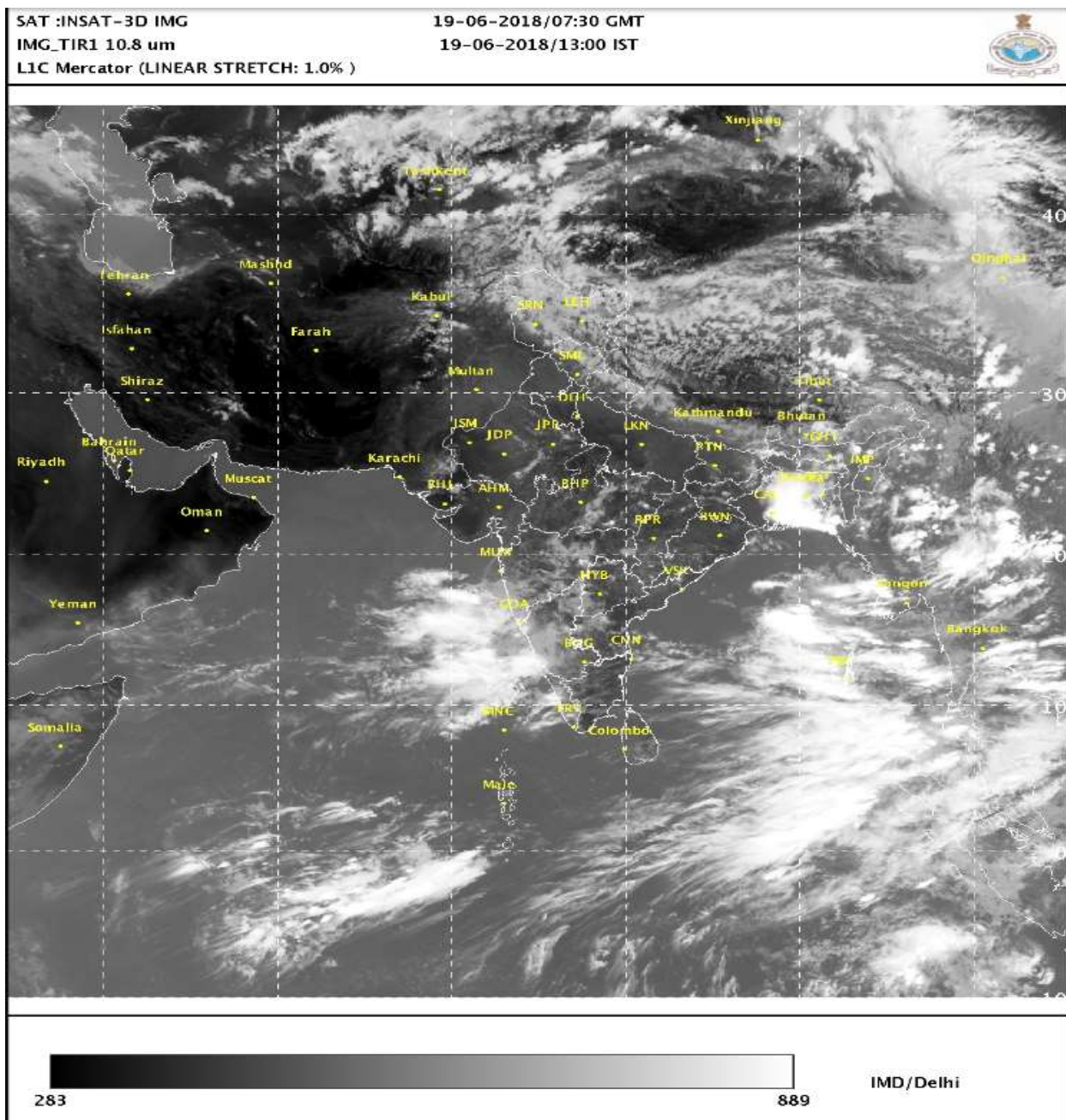


Figure: 1. Latest available satellite picture as on 19 June 2018 at 13:00 Hrs (IST).
(Source: IMD).

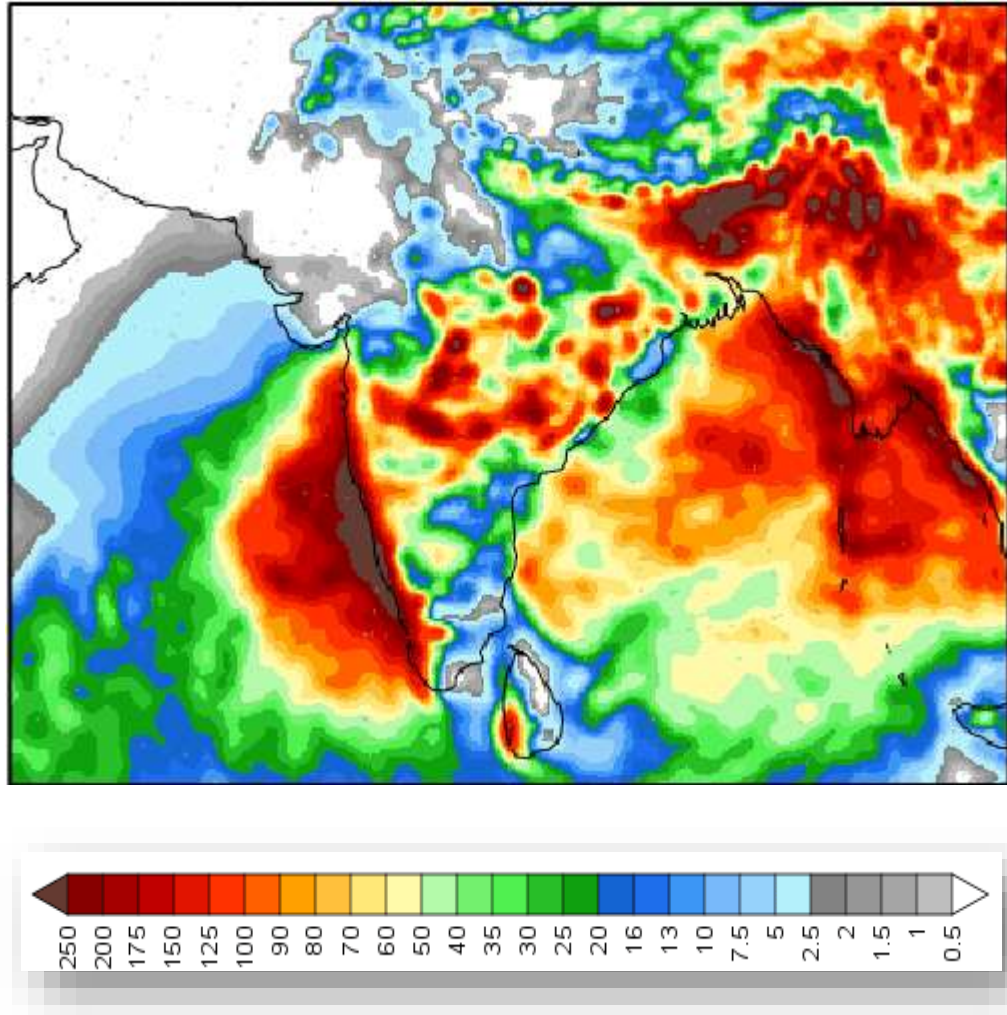


Figure: 2. Precipitation forecast for 19 June to 27 June 2018 (Source: NOAA NCEP)