

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 13 June 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The southwest monsoon has further advanced into some more parts of Odisha , Gangetic West Bengal, remaining parts of northwest Bay of Bengal, Arunachal Pradesh and most parts of Assam, Meghalaya and Sikkim. The Northern Limit of Monsoon (NLM) continue to pass through Thane (including Mumbai), Ahmednagar, Buldhana, Amravati, Gondia, Titlagarh, Cuttack and Baghdogra . No further advance of Southwest monsoon expected during the next one week due to weakening of monsoon flow.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall observed (from 0830 to 1730 hours IST of yesterday): Rain/thundershowers observed at most places over Kerala, Gangetic West Bengal, Nagaland, Manipur, Mizoram, Tripura, at a few places over Assam, Meghalaya, Chhattisgarh, Odisha and at isolated places over East Uttar Pradesh, Bihar, East Madhya Pradesh, Jharkhand, Konkan & Goa, Coastal Karnataka, Telangana, coastal Andhra Pradesh, Sub Himalayan West Bengal, Sikkim and Andaman & Nicobar Islands. Amount of rainfall recorded at 1730 hours IST of yesterday (2cm or more) were: Haflong and Burdwan, Agartala, Palakkad, Baripada, Kailashahar, Balurghat, Bankura, Behar, Imphal, Cochin, Valprai, Koraput and Kolkata. Thunderstorm observed at isolated places over Uttarakhand, East Uttar Pradesh, Bihar, Chhattisgarh, East Madhya Pradesh, Odisha, Jharkhand, Telangana, Rayalaseema, Coastal Andhra Pradesh, Gangetic West Bengal, Nagaland, Manipur, Mizoram & Tripura from 1130 hours of yesterday to 0530 hours IST of today.
- Maximum temperature departures as on 12-06-2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at most places over East Uttar Pradesh, Jammu & Kashmir, Himachal Pradesh, Uttarakhand, at few places over Punjab, Bihar and at isolated places over Konkan & Goa. Above normal (1.6°C to 3.0°C) at most places over West Uttar Pradesh; at many places over East Rajasthan; few places over West Rajasthan, Gujarat, Sub Himalayan west Bengal, Sikkim, Coastal Karnataka, Haryana, Chandigarh , Delhi and at isolated places over Madhya Pradesh, Kerala, Assam , Meghalaya and Gangetic west Bengal & Sikkim. They were appreciably below normal (3.1°C to 5.0°C) at many places over

Nagaland, Manipur, Mizoram, Tripura and Odisha, at a few places over Coastal Andhra Pradesh and Vidarbha, below normal (1.6°C to 3.0°C) at most places over Telangana, Chhattisgarh, at a few places over Tamil Nadu & Puducherry and at isolated places over Madhya Maharashtra. Yesterday, the highest maximum temperature of 45.0°C was recorded at Phalodi (West Rajasthan) over plains of the country.

- Minimum temperature departures as on 12-06-2018: Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over East Uttar Pradesh; at isolated places over East Rajasthan and West Madhya Pradesh; above normal (1.6°C to 3.0 °C) at most places over Punjab, Madhya Maharashtra and Coastal Karnataka, Gujarat, Konkan & Goa; at a few places over Haryana, Chandigarh, Delhi, West Uttar Pradesh, Arunachal Pradesh, Assam, Meghalaya, Sub Himalayan West Bengal, Sikkim, North Interior Karnataka, Tamil Nadu, Puducherry, Lakshadweep; at isolated places over Jammu & Kashmir, Gangetic West Bengal, Konkan & Goa, Coastal Andhra Pradesh, Kerala and Andaman & Nicobar Islands. They were appreciably below normal (3.1°C to 5.0°C) at a few places over Chhattisgarh and Telangana, at isolated places over Odisha, Vidarbha and Marathwada, below normal (1.6°C to 3.0°C) at many places over East Madhya Pradesh; at a few places over Bihar and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- **13 June (Day 1):** Heavy to very heavy rain at isolated places of Coastal & South Interior Karnataka, Kerala, Assam, Meghalaya, Nagaland, Manipur, Mizoram & Tripura; and heavy rain at isolated places over Arunachal Pradesh, Odisha, West Bengal, Sikkim, South Konkan & Goa. Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Bihar, Jharkhand and Odisha. Squally winds speed reaching 35 to 45 kmph gusting to 55 kmph very likely along and off Goa, Karnataka, Kerala coasts, Tamil Nadu Coast, Andhra Pradesh, Odisha, West Bengal Coasts and over Southwest Arabian Sea off Somalia coast and West Central Arabian Sea. Sea condition is likely to be rough to very rough over these areas.
- **14 June (Day 2):** Heavy to very heavy rain at isolated places over Assam, Meghalaya and heavy rain at isolated places over Sub Himalayan West Bengal, Sikkim, Arunachal Pradesh, Nagaland, Manipur, Mizoram, Tripura, South Konkan & Goa, Coastal & South Interior Karnataka and Kerala. Thunderstorm accompanied with gusty winds and lightning expected at isolated places over East Uttar Pradesh and Bihar.

- **15 June (Day 3) :** Heavy to very heavy rain at isolated places over Sub Himalayan West Bengal, Sikkim, Arunachal Pradesh, Assam & Meghalaya and heavy rain at isolated places over Nagaland, Manipur, Mizoram, Tripura and Lakshadweep. Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab and East Uttar Pradesh. Duststorm/ Thunderstorm expected at isolated places over West Uttar Pradesh.
- **16 June (Day 4) :** Heavy rain at isolated places over Arunachal Pradesh, Assam, Meghalaya, Sub Himalayan West Bengal, Sikkim, South Konkan & Goa and Lakshadweep. Thunderstorm accompanied with squall likely at isolated places over Himachal Pradesh and Uttarakhand. Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Jammu & Kashmir, Punjab, Haryana, Chandigarh & Delhi. Duststorm/ Thunderstorm likely at isolated places over West Uttar Pradesh.
- **17 June (Day 5):** Heavy rain at isolated places over Arunachal Pradesh, Assam, Meghalaya, Sub Himalayan West Bengal, Sikkim, South Konkan & Goa and Lakshadweep. Thunderstorm accompanied with squall expected at isolated places over Himachal Pradesh and Uttarakhand.
- The weather outlook for the period of seven days *i.e.* 13 to 21 June 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over; West Bengal, Odisha, Sub divisions of Peninsular India and North eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Haryana

Weather condition

Very light rainfall received in Haryana during the past few days. The maximum temperature ranges from 39 to 43°C and minimum temperature ranges from 24 to 30 °C.

Contingency measure:

- Farmers are advised to complete sowing of cotton crop.
- For Wheat crop, keep proper arrangements to cover the harvested crop during high winds condition.
- Prepare the field for nurseries in Rice and sowing to be done with good quality seed of recommended varieties of rice crop.

- Farmers are advised to apply irrigation in Moong crop.
- Apply irrigation and chemical spray in Sugarcane.
- Apply irrigation in vegetable and fruit crops.
- Keep proper management to protect the small fruit crop from heat waves.
- Keep animals inside of shade. Provide clean drinking water sufficiently. Give shower to animals to overcome the heat stress. Provide balanced feed.

SAT :INSAT-3D IMG
IMG_TIR1 10.8 um
LIC Mercator (LINEAR STRETCH: 1.0%)

13-06-2018/09:30 GMT
13-06-2018/15:00 IST

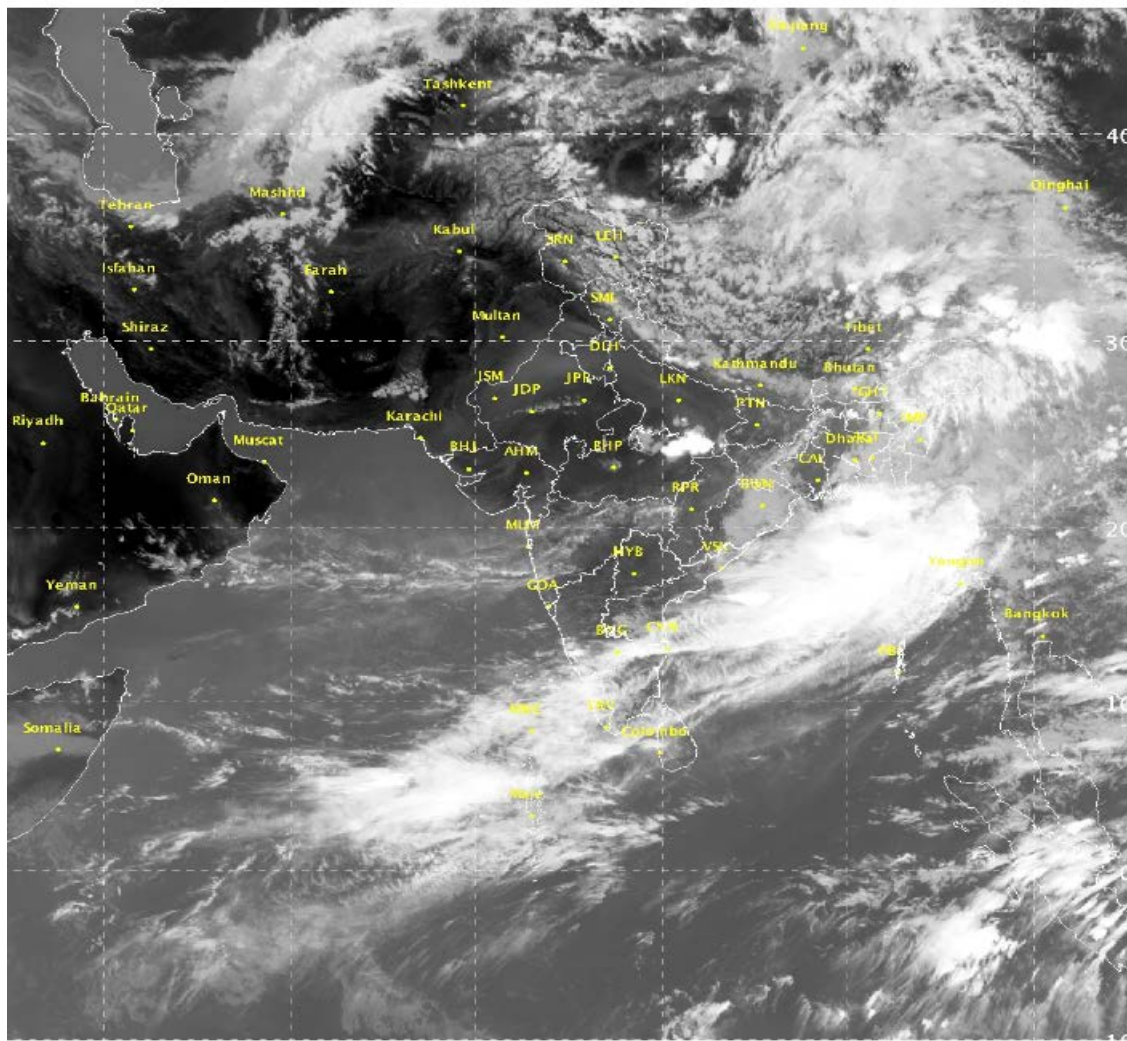


Figure: 1. Latest available satellite picture as on 13 June at 1500 Hrs (IST). (Source: IMD).

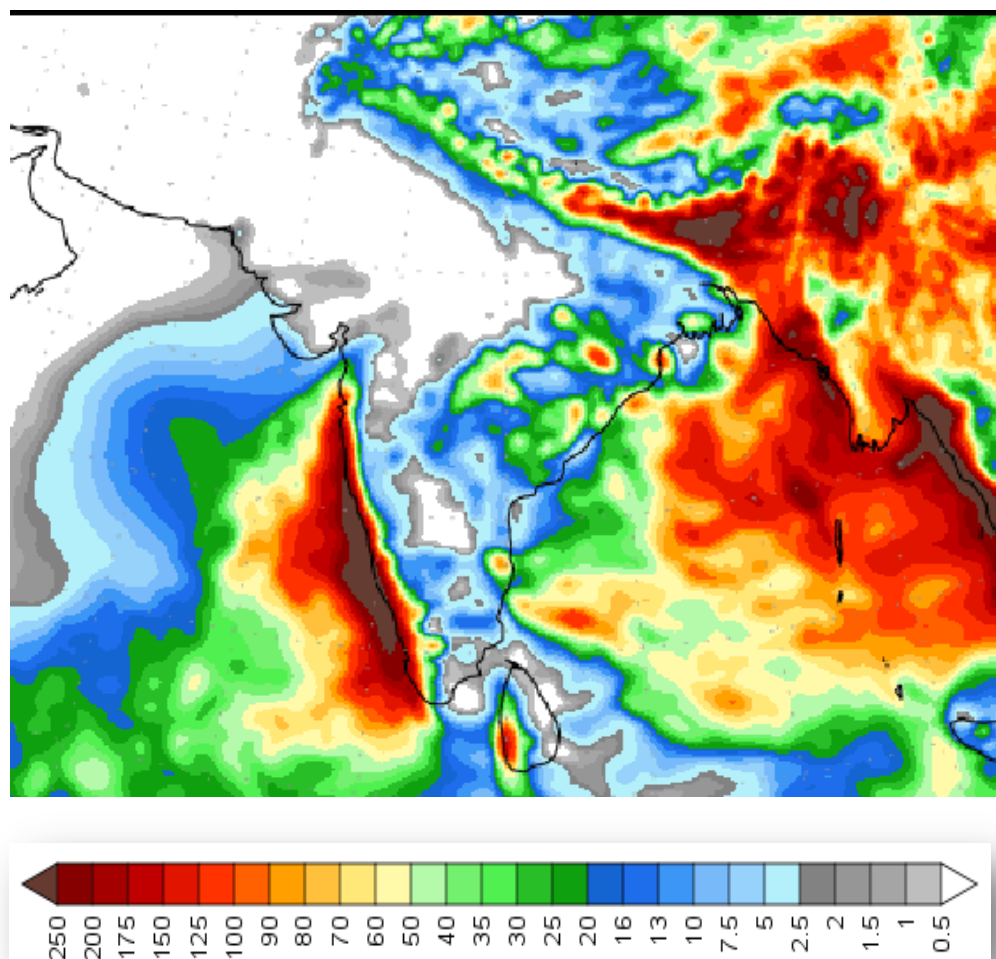


Figure: 2. Precipitation forecast for 13 to 21 June 2018 (Source: NOAA NCEP).