

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 12 June 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The southwest monsoon has further advanced into some more parts of Marathwada, Vidharbha, Chhattisgarh, most parts of northwest Bay of Bengal, some parts of Gangetic West Bengal and some more parts of Assam & Meghalaya. The Northern Limit of Monsoon (NLM) passes through Lat. 19°N/ Long. 60°E, Lat. 19°N/ Long. 70°E, Thane (including Mumbai), Ahmednagar, Buldhana, Amraoti, Gondia, Bhavanipatna, Puri, Kolkata, Lat. 24°N/ Long. 90°E, Sohra, North Lakhimpur and Lat. 29°N/ Long. 95°E. Conditions are becoming favorable for further advance of Southwest Monsoon into some more parts of Odisha, remaining parts of northwest Bay of Bengal and Northeastern States and some parts of West Bengal & Sikkim during next 48 hours. There after no further advance likely during next one week due to probable weakening of monsoon flow.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall observed (from 0830 hours to 1730 hours IST of yesterday): Rain/thundershowers observed at most places over Kerala; at many places over Gangetic West Bengal and Nagaland, Manipur, Mizoram & Tripura; at a few places Over Jammu & Kashmir, Chhattisgarh, Konkan & Goa, Odisha, Telangana, Karnataka, Lakshadweep and Andaman & Nicobar Islands and at isolated places over Himachal Pradesh, SubHimalayan west Bengal & Sikkim, Assam & Meghalaya, East Rajasthan, Madhya Pradesh, Jharkhand, Vidarbha, Marathwada, Madhya Maharashtra, Coastal Andhra Pradesh and Tamilnadu & Puducherry. Amount of rainfall recorded at 1730 hours IST of yesterday (1cm or more) were: Goa5; Krishnanagar, Hirakud, Kottayam and Kochin3 each; Hoshangabad, Panchmari, Chindwara and Palakkad2 each; Shantiniketan, Bankura, Bagati, Kolkata (DUMDUM) , Raipur, Jharsiguda, Khammam, Vengurila, Ramgundam, Medak, Koppal, Medikari, Karipur, Vallanikara and Punalur1 each. Thunderstorm observed at isolated places over Jammu & Kashmir, Himachal Pradesh, West Bengal & Sikkim, Madhya Pradesh, Chhattisgarh, Odisha , Konkan & Goa, Vidarbha, Coastal Andhra Pradesh and Telangana from 1130 hours of yesterday to 0530 hours IST of today.

- Maximum temperature departures as on 11062018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Uttarakhand, SubHimalayan West Bengal & Sikkim and West Rajasthan; above normal (1.6°C to 3.0°C) at many places over Punjab and Haryana, Chandigarh & Delhi ; at a few places over Himachal Pradesh, Assam & Meghalaya, East Uttar Pradesh and Gujarat ; at isolated places over Jammu & Kashmir, East Rajasthan, West Madhya Pradesh and Andaman & Nicobar Islands. They were markedly below normal (5.1° C or less) at isolated places over Nagaland, Manipur, Mizoram & Tripura and West Madhya Pradesh; appreciably below normal (3.1° C to 5.0° C) at most places over Telangana; at isolated places over Coastal Andhra Pradesh; below normal (1.6° C to 3.0° C) at many places over Jharkhand; at a few places over Odisha; at isolated places over Bihar, Chhattisgarh and Madhya Maharashtra. Yesterday, the highest maximum temperature of 44.8°C were recorded at Bikaner & Jaisalmer (West Rajasthan) and Kanpur (East Uttar Pradesh) over plains of the country.
- Minimum temperature departures as on 11062018: Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Gujarat Region; at isolated places over Jammu & Kashmir, East Rajasthan and Assam & Meghalaya; above normal (1.6°C to 3.0°C) at most places over Punjab and Saurashtra & Kutch; at many places over Madhya Maharashtra; at a few places over Coastal Karnataka, Kerala and West Bengal & Sikkim; at isolated places over Himachal Pradesh, East Uttar Pradesh, West Madhya Pradesh, Konkan & Goa, Coastal Andhra Pradesh, Tamilnadu & Puducherry and Andaman & Nicobar Islands. They were appreciably below normal (3.1° C to 5.0° C) at a few places over East Madhya Pradesh; below normal (1.6° C to 3.0° C) at most places over Vidharbha; at a few places over Marathwada & Telangana and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 12 June (Day 1): Heavy rain at a few places with very heavy rain at isolated places very likely over Kerala; heavy to very heavy rain at isolated places over Chhattisgarh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Coastal Karnataka ; heavy rain at isolated places over Arunachal Pradesh, Odisha, West Bengal & Sikkim, Vidarbha, south Konkan & Goa and north Coastal Andhra Pradesh. Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over East Uttar Pradesh, Vidharbha, Madhya Maharashtra, Chhattisgarh, Jharkhand, Bihar, Telangana, Rayalaseema and North Interior Karnataka. Squally winds speed reaching 3545 kmph gusting to 55 kmph very likely along and off GoaKarnatakaKerala coasts. Sea condition is likely to be rough to very rough over these areas. Fishermen are advised not to venture into these areas.
- 13 June (Day 2): Heavy rain at a few places with very heavy rain at isolated places very likely over Assam & Meghalaya; heavy to very heavy rain at isolated places over Nagaland, Manipur, Mizoram & Tripura, Kerala and Coastal Karnataka; heavy rain at isolated places over Arunachal Pradesh, Odisha and Gangetic West Bengal. Thunderstorm accompanied

with gusty winds and lightning very likely at isolated places over East Uttar Pradesh, Madhya Maharashtra and Jharkhand.

- 14 June (Day 3): Heavy rain at a few places with very heavy rain at isolated places very likely over Assam & Meghalaya; heavy to very heavy rain at isolated places over Kerala and heavy rain at isolated places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, south Konkan, Odisha and Lakshadweep. Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over East Uttar Pradesh.
- 15 June (Day 4): Heavy rain at a few places with very heavy rain at isolated places likely over Assam & Meghalaya and heavy rain at isolated places over Arunachal Pradesh, SubHimalayan West Bengal & Sikkim, south Konkan, Coastal Karnataka, Kerala and Lakshadweep. Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Uttarkhand and East Uttar Pradesh.
- 16 June (Day 5): Heavy rain at a few places with very heavy rain at isolated places likely over Assam & Meghalaya and heavy rain at isolated places over Arunachal Pradesh, SubHimalayan West Bengal & Sikkim, south Konkan, Coastal Karnataka, Kerala and Lakshadweep. Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Uttarkhand and East Uttar Pradesh.
- The weather outlook for the period of seven days *i.e* 11 to 19 June 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over; Entire west coast, Odisha, West Bengal, Maharashtra Andaman Islands and North eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Chhattisgarh

Weather condition

Medium rainfall received in Chhattisgarh state during the past few days. The maximum temperature ranges from 30 to 34°C and minimum temperature ranges from 23 to 26 °C.

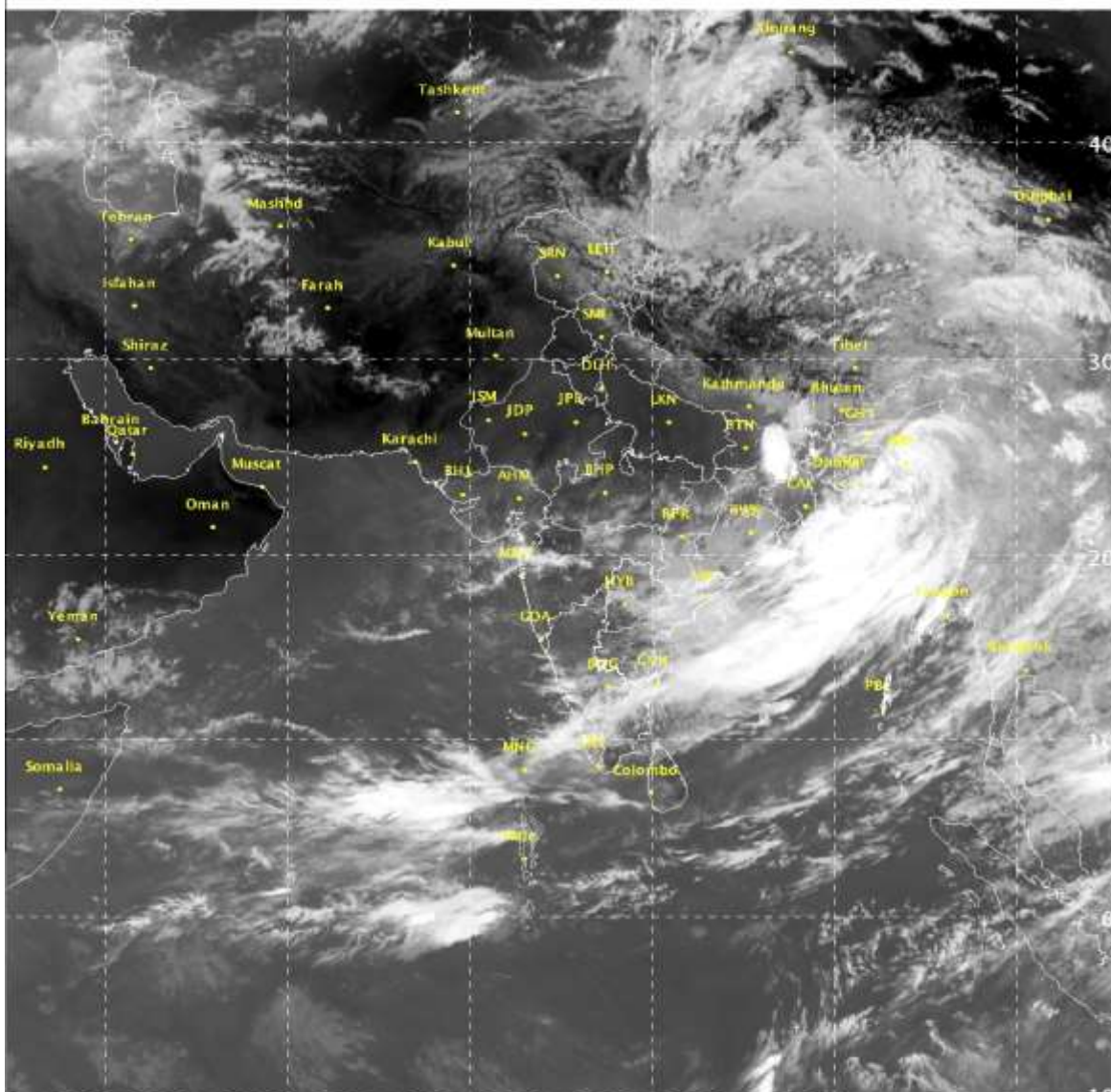
Contingency measure:

- General : Before nursery sowing or direct seeding of rice crop, rice seeds should be treated with 17 % salt solution. Certified or foundation seeds should be treated with fungicide provided with packet.
- For dry seeding (Khurra boni) sowing should be done with seed drill and seed should be kept at the depth of 4-5 cms. After sowing has been completed, weedicide should be sprayed on occurrence of monsoonal rains.
- For sowing of Soybean, maize, groundnut crops, fields should be well prepared so that perennial grass are destroyed.

- FYM should be arranged for nursery sowing of rice.
- Looking to the normal onset of monsoon farmers are advised to prepare their field for kharif rice sowing and arrangement of seeds.
- Farmers having irrigation facility are advised to irrigate their field and plough it so that weeds can be destroyed (stale seed bed preparation).
- Vegetables/Fruits: Mulching should be done in ginger and turmeric crops and water drainage should be well managed before rainy season. Vegetable nursery should be sown in 15 cms high raised beds. In case nursery is protected by white agronet (mosquito net), viral diseases infection will not be there. Sowing should be done after seed treatment with fungicides against stem rotting diseases. For fruit plantation trees pits should be kept ready. Farm yard manure, termite resistant insecticide and recommended dose of fertilizers should be mixed and filled 10 cms above the ground level. Thalass should be prepared in the old orchards after pruning and FYM should be mixed in the thalass. After 2-3 rains, recommended dose of fertilizers should be mixed in the thalass. Drainage channels in the orchards should be rectified and should be kept in well maintenance condition.
- Animal husbandry: Animals must be fed 50-60 grams of salt mixed with water. In diet of milch animals, concentrate quantity should be increased.

SAT :INSAT-3D IMG
IMG_TIR2 12.0 um
LIC Mercator (LINEAR STRETCH: 1.0%)

12-06-2018/05:00 GMT
12-06-2018/10:30 IST



IMD/Delhi

Figure: 1. Latest available satellite picture as on 12 June at 1030 Hrs (IST). (Source: IMD).

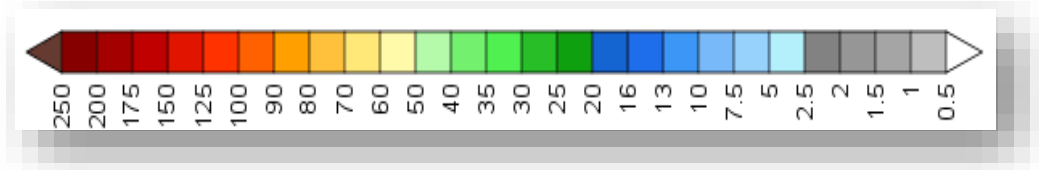
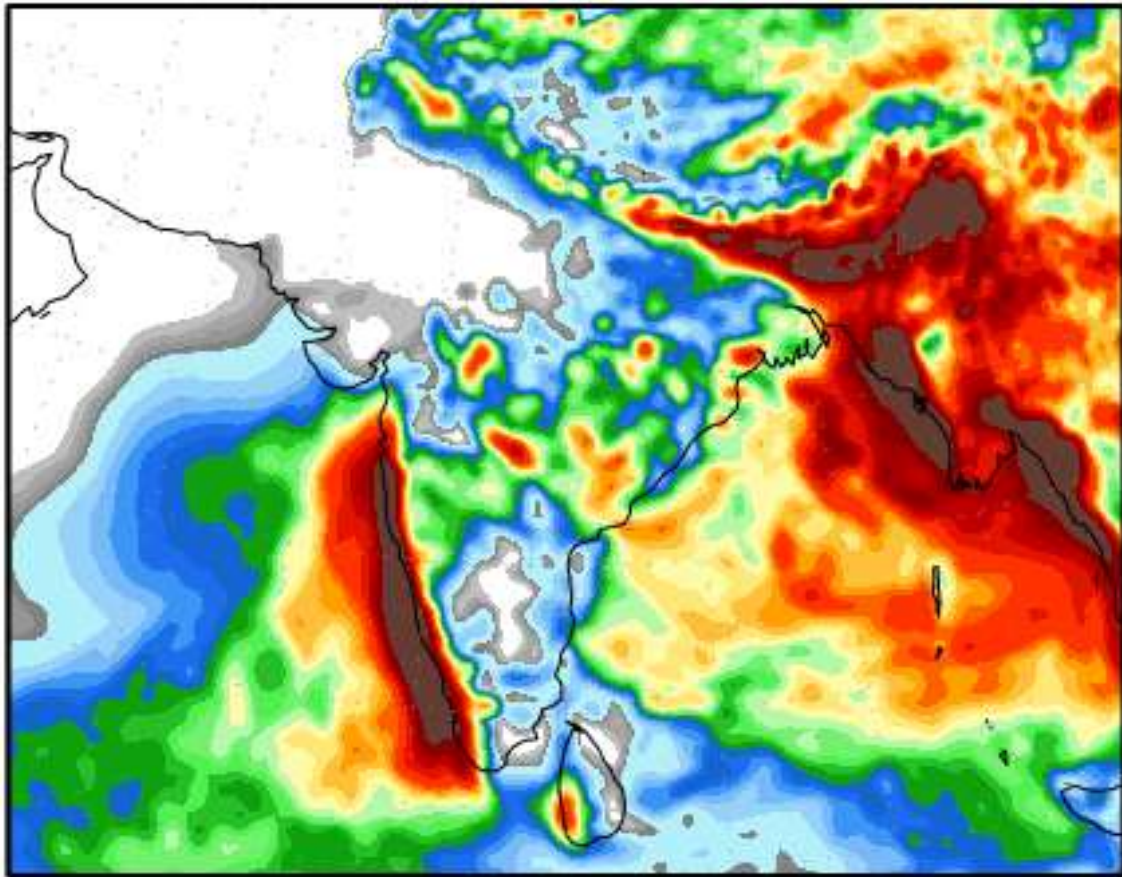


Figure: 2. Precipitation forecast for 11 to 19 June 2018 (Source: NOAA NCEP).