

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 06 June 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Southwest Monsoon has further advanced into some more parts of South Interior Karnataka, most parts of Rayalaseema, South Coastal Andhra Pradesh and West Central Bay of Bengal, remaining parts of east central Bay of Bengal and some more parts of northwest Bay of Bengal. The Northern Limit of Monsoon (NLM) passes through Lat. 14 °N/ Long. 60 °E, Lat. 14 °N/ Long. 70 °E, Shirali, Chitradurga, Kurnool, Narsapur, Machlipatnam, Lat. 17 °N/ Long. 85 °E, Lat. 19 °N/ Long. 90 °E, Agartala, Lumding, north Lakhimpur and Lat. 29 °N/ Long. 95 °E. Conditions are favorable for further advance of Southwest Monsoon into some more parts of Central Arabian Sea, some parts of south Konkan & Goa, remaining parts of Karnataka and Rayalaseema, some parts of Telangana, some more parts of Coastal Andhra Pradesh and West Central Bay of Bengal during next 24 hours. Conditions are very likely to become favorable for further advance of Southwest Monsoon into some more parts of Maharashtra, Telangana & Coastal Andhra Pradesh in subsequent 48 hours. Conditions are also likely to become favorable for further advance of Southwest Monsoon into most parts of Arabian Sea, remaining parts of Maharashtra, some parts of Gujarat, southern parts of Madhya Pradesh & Chhattisgarh, Odisha, West Bengal & Sikkim, remaining parts of Northeastern states and most parts of Bay of Bengal during 09th to 11th June.
- In association with the likely strengthening of south west monsoon and likely formation of a low pressure system over the Bay of Bengal, enhanced rainfall activity with heavy to very heavy and isolated extremely heavy rainfall is likely along the west coast during 8th-11th June.
- Yesterday, heat wave conditions were observed at many parts over West Rajasthan.
- 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, Punjab, Coastal Karnataka and Andaman & Nicobar Islands; at many places over at a few places over Coastal Andhra Pradesh and Kerala; at a few places over Haryana, Chandigarh & Delhi, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha, Konkan & Goa, Vidarbha, and Tamil Nadu & Puducherry and at isolated places over Madhya Pradesh, Chhattisgarh, Madhya Maharashtra, Marathwada, Telangana, Rayalaseema and Interior Karnataka.
- Amount of rainfall recorded at 0830 hours IST today (3 cm or more): Karnal 13; Silchar 9; Akola 8; Solan & Kailashahar 7 each; Vijaywada and Long Islands 5 each; Ratanagiri & Portblair 4 each; Amritsar, Dharamshala, Dehradun, Tehri, Mukteshwar, Alwar, Shillong, Baripada, Angul, Vengurla, Mayabandar, and Hutbay 3 each.
- Thunderstorm observed at isolated places over Punjab, West Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Madhya Maharashtra, Gangetic West Bengal, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh and Tamil Nadu & Puducherry from 0830 to 1430 hours IST of today.
- Maximum temperature departures as on 05-06-2018: Maximum temperatures were appreciably above normal (3.1 °C to 5.0 °C) at many places over Jammu & Kashmir, Rajasthan and Assam & Meghalaya; at a few places over West Madhya Pradesh and Sub Himalayan West Bengal & Sikkim and at isolated places over East Madhya Pradesh and Saurashtra & Kutch; above normal (1.6 °C to 3.0 °C) at many places over Tripura and Gujarat Region; at a few places over Vidarbha and Coastal Andhra Pradesh and at isolated places over Himachal Pradesh, Madhya Maharashtra and Tamil Nadu & Puducherry. They were below normal (1.6 °C to 3.0 °C) at a few places over Bihar and Chhattisgarh and at isolated places over Gangetic West Bengal, Odisha and Marathwada and near normal over the rest of the country. Yesterday, the highest maximum temperature of 48.5 °C recorded at Churu (West Rajasthan) over plains of the country.
- Minimum temperature departures as on 06-06-2018: Minimum temperatures are appreciably above normal (3.1 °C to 5.0 °C) at a few places over East Rajasthan and at isolated places over Himachal Pradesh, Uttar Pradesh and Madhya Pradesh; above normal (1.6 °C to 3.0 °C) at most places over SubHimalayan West

Bengal & Sikkim; at many places over Arunachal Pradesh and Assam & Meghalaya; at a few places over Gujarat state and at isolated places over Jammu & Kashmir, Uttarakhand, West Rajasthan, Bihar, Gangetic West Bengal, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Telangana and Tamil Nadu & Puducherry. They are appreciably below normal (3.1 °C to 5.0 °C) at a few places over Punjab and at isolated places over Haryana, Chandigarh & Delhi and Vidarbha; below normal (1.6 °C to 3.0 °C) at isolated places over Marathawada, Odisha and Coastal Andhra Pradesh and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

06 June (Day 1):

- Heavy rain at isolated places very likely over Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Konkan & Goa, Coastal Karnataka and Kerala.
- Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Himachal Pradesh, Punjab, East Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Gangetic West Bengal, Odisha, Jharkhand, Bihar, Assam & Meghalaya, Marathawada, Madhya Maharashtra, Konkan & Goa, Coastal Andhra Pradesh, Telangana, Rayalaseema, Interior Karnataka and Tamil Nadu.
- Thunderstorm accompanied with squall and lightning very likely at isolated places over Uttarakhand and Haryana, Chandigarh & Delhi and Uttar Pradesh.
- Heat wave conditions are very likely to occur at one or two pockets over West Rajasthan.

07 June (Day 2):

- Heavy to very heavy rain very likely at isolated places over Madhya Maharashtra, Konkan & Goa, Coastal Karnataka and Kerala; heavy rain at isolated places over SubHimalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Marathawada and South Interior Karnataka.
- Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, East Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha,

Chhattisgarh, Jharkhand, Bihar, Gangetic West Bengal, Coastal Andhra Pradesh, Telangana, Rayalaseema, Interior Karnataka and Tamil Nadu.

- Thunderstorm accompanied with squall and lightning very likely at isolated places over West Uttar Pradesh.
- Heat wave conditions are very likely to occur at some parts of West Rajasthan and at one or two pockets over East Rajasthan.

08 June (Day 3):

- Heavy to very heavy rain at a few places with extremely heavy at isolated places likely over Coastal Karnataka and Konkan & Goa ; heavy to very heavy rain at isolated places over Madhya Maharashtra and Kerala and heavy rain at isolated places over Odisha, West Bengal & Sikkim, Marathwada, Vidarbha, Chhattisgarh and North Interior Karnataka.
- Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and Jharkhand.
- Squally winds speed reaching 40-50 kmph gusting to 60 kmph very likely along and off Kerala, Karnataka and Maharashtra coasts. Sea condition is likely to be rough to very rough over East Central, West Central and Southwest Arabian Sea. Fishermen are advised not to venture into these areas.

09 June (Day 4):

- Heavy to very heavy rain at a few places with extremely heavy at isolated places likely over Konkan & Goa; heavy to very heavy rain at isolated places over Karnataka and heavy rain at isolated places over Odisha, Gangetic West Bengal, Gujarat region, Madhya Maharashtra, Vidarbha and Kerala.
- Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh.
- Squally winds speed reaching 40-50 kmph gusting to 60 kmph very likely along and off Kerala, Karnataka and Maharashtra coasts and also over North Bay of Bengal. Sea condition is likely to be rough to very rough over East Central, West

Central and Southwest Arabian Sea and North Bay of Bengal. Fishermen are advised not to venture into these areas.

10 June (Day 5):

- Heavy to very heavy rain at a few places with extremely heavy at isolated places likely over Konkan & Goa ; heavy to very heavy rain at isolated places over Karnataka and heavy rain at isolated places over Odisha, Gujarat region, Madhya Maharashtra, Nagaland, Manipur, Mizoram & Tripura, Vidarbha and Kerala.
- Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh.
- Squally winds speed reaching 40-50 kmph gusting to 60 kmph very likely along and off Karnataka, Maharashtra and South Gujarat coasts and also over North Bay of Bengal. Sea condition is likely to be rough to very rough over East Central, West Central and Southwest Arabian Sea and North Bay of Bengal. Fishermen are advised not to venture into these areas.
- 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)

Chhattisgarh

Weather condition

Light rainfall received in Chhattisgarh state during the past few days. The maximum temperature ranges from 44 to 35.6 °C and minimum temperature ranges from 24 to 30.8 °C.

Contingency measure:

- 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).
- Cleaning of the field and repair the ridges at this time is to be necessarily completed.
- Vegetables:
 - i. Farmers who want to grow fruit plantation crops are advised for field preparation and digging of pits.
 - ii. Need based irrigation and intercultural operation should be done in tomato, brinjal, chilli, okra and other vegetable crops. Increase frequency of irrigation as per environmental temperature.
 - iii. Sufficient arrangement should be made for the crops which are needing the climbing support and measures should be taken to repair the platform.
- Animal husbandry:
 - i. Animals must be fed 50-60 grams of salt mixed with water
 - ii. During the summer season, water quantity should be increased for poultry by 3-4 times.
 - iii. In diet of milch animals, concentrate quantity should be increased.

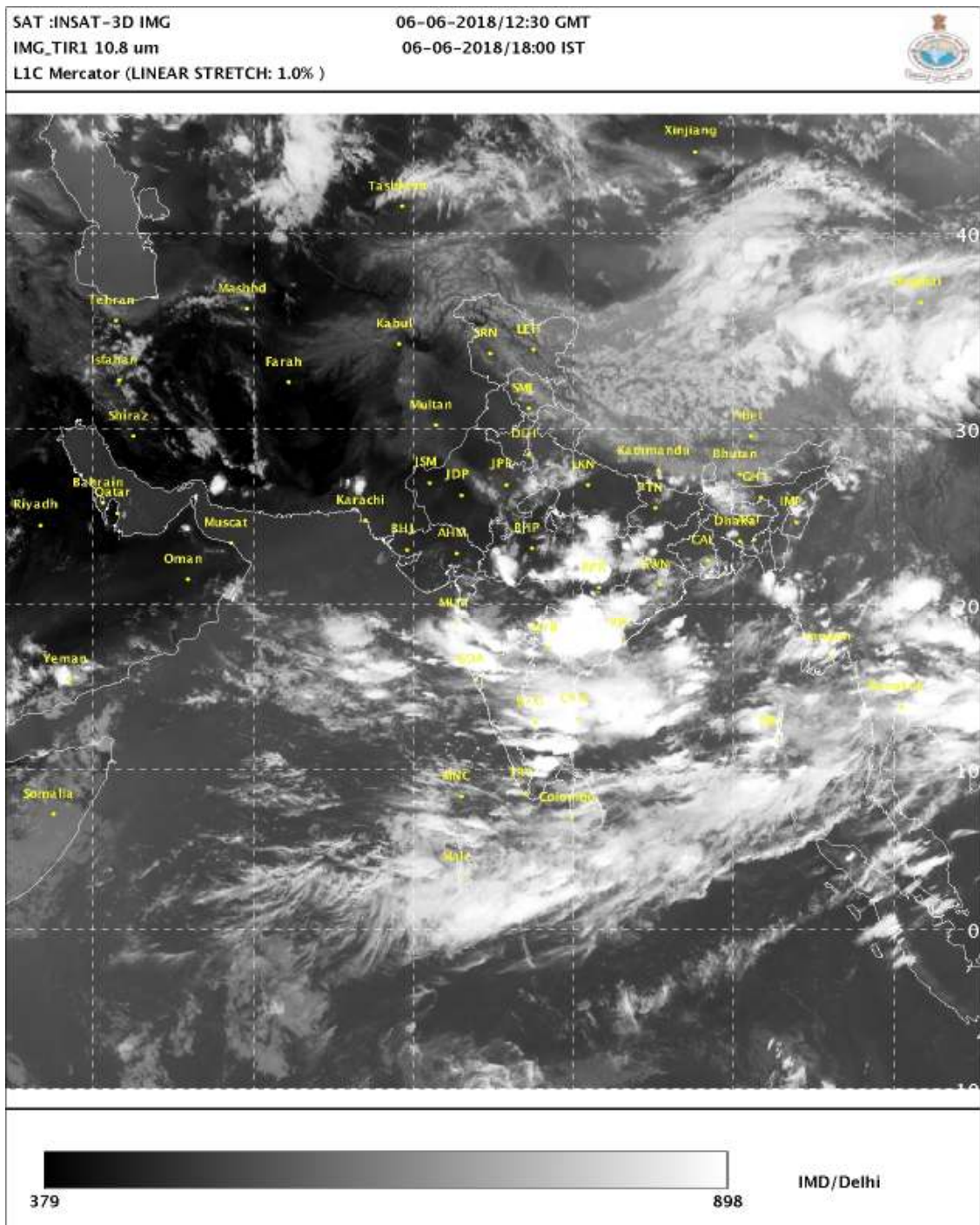


Figure 1: Latest available satellite picture as on 06 June 2018 at 1800 Hrs (IST). (Source: IMD).

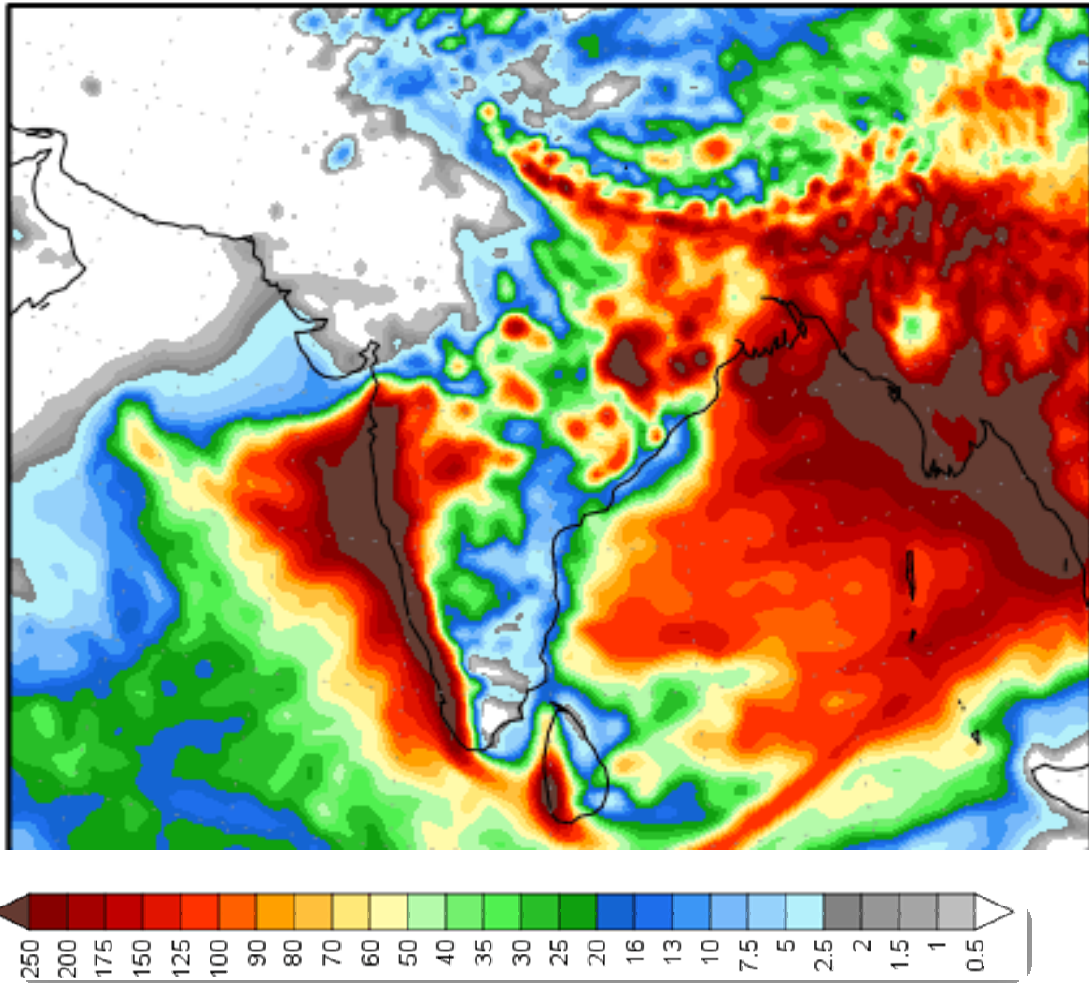


Figure 2: Precipitation forecast for 06 to 14 June 2018
(Source: NOAA NCEP).