

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 07 June 2020

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Southwest Monsoon has further advanced into some more parts of South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal; most parts of southwest Bay of Bengal, entire southeast Bay of Bengal; some more parts of eastcentral Bay of Bengal and some parts of westcentral & northeast Bay of Bengal.
- The Northern Limit of Monsoon (NLM) now passes through Lat.14°N/Long.60°E, Lat.14°N/Long.70°E, Karwar, Hassan, Salem, Puducherry, Lat.13°N/Long.85°E, Lat.16°N/Long.90°E and Lat.20°N/Long.93°E.
- Conditions are becoming favourable for further advancement of Southwest Monsoon into some more parts of Karnataka, entire Tamil Nadu; some parts of Rayalaseema and Coastal Andhra Pradesh; entire southwest Bay of Bengal; some more parts of central and northeast Bay of Bengal and some parts of northeast India during next 2-3 days.
- Under the influence of the Western Disturbance, scattered to fairly widespread rain/thundershowers very likely to continue over western Himalayan region and isolated to scattered rain/thundershowers over plains of northwest India during next 48 hours and decrease thereafter. Isolated thunderstorm accompanied with lightning and gusty wind are likely over these regions during next 24 hours.
- The Low Pressure Area [remnant of the Severe Cyclonic Storm 'NISARGA'] over Bihar & adjoining northeast Uttar Pradesh has become less marked.
- The images showing the latest satellite picture in the figure. 1.

Main Weather Observations (IMD)

- Rain/Thundershowers observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at most places over Jammu & Kashmir, Ladakh, GilgitBaltistan, Muzaffarabad, Himachal Pradesh, Bihar, Konkan & Goa, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Coastal Karnataka, Lakshadweep and Kerala & Mahe; at many places over Uttarakhand, East Uttar Pradesh, Gujarat, West Madhya Pradesh and Andaman & Nicobar Islands; at a

few places over Punjab, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Madhya Maharashtra, Vidarbha and Interior Karnataka and at isolated places over Rajasthan, East Madhya Pradesh, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Jharkhand, Odisha, Marathwada, Telangana, Rayalaseema, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal.

- Heavy to very heavy rainfall with extremely heavy fall at isolated places occurred over Sub-Himalayan West Bengal & Sikkim; Heavy to very heavy rainfall at isolated places over Bihar and Assam & Meghalaya and heavy rainfall at isolated places over Himachal Pradesh, Punjab, West Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Arunachal Pradesh and Andaman & Nicobar Islands.
- Thunderstorm observed (from 1730 hours IST of yesterday to 0830 hours IST of today): at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Himachal Pradesh, Punjab, Uttarakhand, West Rajasthan, West Madhya Pradesh, Bihar, Odisha, Gujarat State, Coastal Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal, Lakshadweep, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Sub-Himalayan West Bengal & Sikkim.
- Maximum Temperature Departures as on 05-06-2020: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Saurashtra & Kutch; above normal (1.6°C to 3.0°C) at a few places over Lakshadweep and Tamil Nadu, Puducherry & Karaikal and at isolated places over Kerala & Mahe and Gangetic West Bengal. They were markedly below normal (-5.0°C or less) at most places over Uttar Pradesh, Madhya Pradesh, Arunachal Pradesh, Bihar, Punjab, Himachal Pradesh and Haryana, Chandigarh & Delhi; at a few places over Assam & Meghalaya and at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad; appreciably below normal (-3.1°C to -5.0°C) at most places over Rajasthan; at many places over Jharkhand and Chhattisgarh; at a few places over Madhya Maharashtra; and at isolated places over Coastal Andhra Pradesh and below normal (-1.6°C to -3.0°C) at most places over Sub-Himalayan West Bengal & Sikkim, Marathwada and Vidarbha; at many places over Telangana and Andaman & Nicobar Islands and near normal over rest parts of the country. Yesterday, the highest Maximum temperature of 41.7°C was reported at Tiruttani (Tamil Nadu).
- Minimum Temperature Departures as on 06-06-2020: Minimum temperatures are above normal (1.6°C to 3.0°C) at a few places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Gangetic West Bengal and Nagaland, Manipur,

Mizoram & Tripura; at isolated places over South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal. They are markedly below normal (-5.1°C or less) at a few places over Punjab; at isolated places over Vidarbha; appreciably below normal (-3.1°C to -5.0°C) at most places over East Uttar Pradesh; at many places over West Uttar Pradesh and Madhya Pradesh; at a few places over Haryana, Chandigarh & Delhi, East Rajasthan, Saurashtra & Kutch, Konkan & Goa and Chhattisgarh; at isolated places over Telangana, Odisha, Jharkhand and Himachal Pradesh; below normal (-1.6°C to -3.0°C) at many places over West Rajasthan; at many places over Assam & Meghalaya; at a few places over Arunachal Pradesh; at isolated places over Gujarat Region, Madhya Maharashtra, Coastal Karnataka, Marathwada and Bihar and near normal over rest parts of the country. The lowest minimum temperature of 18.0°C reported at Khargone (West Madhya Pradesh) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 06 June (Day 1): Thunderstorm accompanied with lightning, hail & gusty winds (speed reaching 30-40 kmph) at isolated places very likely over Himachal Pradesh and Uttarakhand; with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places over East Rajasthan, Haryana, Chandigarh & Delhi and West Uttar Pradesh; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over West Madhya Pradesh, Gangetic West Bengal, Andaman & Nicobar Islands, Konkan & Goa, Madhya Maharashtra and Saurashtra & Kutch; with lightning at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Punjab, East Uttar Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Marathwada, Coastal Andhra Pradesh & Yanam, Coastal Karnataka and Tamil Nadu, Puducherry & Karaikal. Thunderstorm/Duststorm with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places over West Rajasthan. Heavy to very heavy rainfall very likely at isolated places over Andaman & Nicobar Islands, Kerala & Mahe, Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya; heavy rainfall at isolated places over West Madhya Pradesh, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Tamil Nadu, Puducherry & Karaikal and Lakshadweep. Squally weather (wind speed reaching 50-60 kmph) very likely over southeast Arabian Sea along and off Kerala-Lakshadweep coasts. Strong wind (wind speed reaching 40-50 kmph) very likely over westcentral & southwest Arabian Sea, Gulf of Mannar, Comorin area

and south & eastcentral Bay of Bengal. Fishermen are advised not to venture into these areas.

- 07 June (Day 2): Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places very likely over East Rajasthan and Andaman & Nicobar Islands; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over West Rajasthan, Gangetic West Bengal, Konkan & Goa, Madhya Maharashtra and Rayalaseema; with lightning at isolated places over Himachal Pradesh, Uttarakhand, West Madhya Pradesh, Bihar, Jharkhand, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Coastal Karnataka and Tamilnadu, Puduchery & Karaikal. Heavy to very heavy rainfall at isolated places very likely over Andaman & Nicobar Islands; heavy rainfall at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Kerala & Mahe and Lakshadweep Strong wind (wind speed reaching 45-55 kmph) very likely over westcentral & southwest Arabian Sea, north Andaman Sea and eastcentral & south Bay of Bengal. Fishermen are advised not to venture into these areas.
- 08 June (Day 3): Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places very likely over Andaman & Nicobar Islands; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Gangetic West Bengal, Odisha and Rayalaseema; with lightning at isolated places over Bihar, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Telangana and Coastal Andhra Pradesh & Yanam. Heavy rainfall at isolated places very likely over Andaman & Nicobar Islands, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and Kerala & Mahe. Strong wind (wind speed reaching 45-55 kmph) very likely over westcentral & southwest Arabian Sea, south Bay of Bengal and north Andaman Sea. Fishermen are advised not to venture into these areas.
- 09 June (Day 4): Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places likely over Andaman & Nicobar Islands; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Odisha, Gangetic West Bengal and Coastal Andhra Pradesh & Yanam; with lightning at isolated places over Chhattisgarh, Bihar, Jharkhand, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Telangana. Heavy rainfall at isolated places likely over Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana and Kerala & Mahe. Strong wind (wind

speed reaching 45-55 kmph) likely over westcentral & southwest Arabian Sea; wind speed reaching 40-50 kmph likely over north Andaman Sea and south Bay of Bengal. Fishermen are advised not to venture into these areas.

- 10 June (Day 5): Thunderstorm accompanied with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places likely over Andaman & Nicobar Islands; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Gangetic West Bengal, Gujarat and Coastal Andhra Pradesh & Yanam; with lightning at isolated places over Madhya Pradesh, Bihar, Jharkhand, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Telangana. Heavy to very heavy rainfall at isolated places likely over Odisha; heavy rainfall at isolated places over Vidarbha, Chhattisgarh, Gujarat, Konkan & Goa, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Telangana, Coastal & South Interior Karnataka and Kerala & Mahe. Strong wind (wind speed reaching 45-55 kmph) likely over westcentral & southwest Arabian Sea; wind speed reaching 40-50 kmph likely over north Andaman Sea and south Bay of Bengal. Fishermen are advised not to venture into these areas.
- The weather outlook for seven days i.e., 06 to 14 June 2020 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>) rain/thundershower may occur over Some parts of Extreme northern parts of India. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

West Bengal

Weather condition:

Weather conditions during the 22nd week at Mohanpur, West Bengal: Maximum temperature: 27.4 to 35.0 °C, minimum temperature: 21.4 to 27.0 °C, bright sun shine hours: 1.5 to 11.2 hours, Morning-time relative Humidity: 89 to 98 %, after noon-time R.H: 65 to 86%, weekly total pan evaporation: 16.1 mm, total weekly rainfall is 99.4 mm and average daily wind speed is around 0.5 km/h.

Contingency measure:

- Boro-rice: If more than 80% grains ripened harvest the crop. After harvesting, dry the crop properly.
- Jute: Irrigate the field depending on the rainfall status. At 15 to 20 DAS, carry out proper intercultural operation. Apply first dose of top-dressing at the rate of 9 Kg per Bigha for Capsularis and at the rate of 6 Kg per Bigha for Olitorious.

- Okra: In the prevailing weather condition, attack of white fly may be observed. To control it, apply Imidachloprid @ 5 ml per 10 lit. water at an interval of 15 days. Spray 2 gm Carbaryl (Sevin) or 2 ml Malathion per lit. water.

SAT : INSAT-3D IMG
IMG_TIR1 10.8 um
LIC Mercator

06-06-2020/(0800 to 0827) GMT
06-06-2020/(1330 to 1357) IST

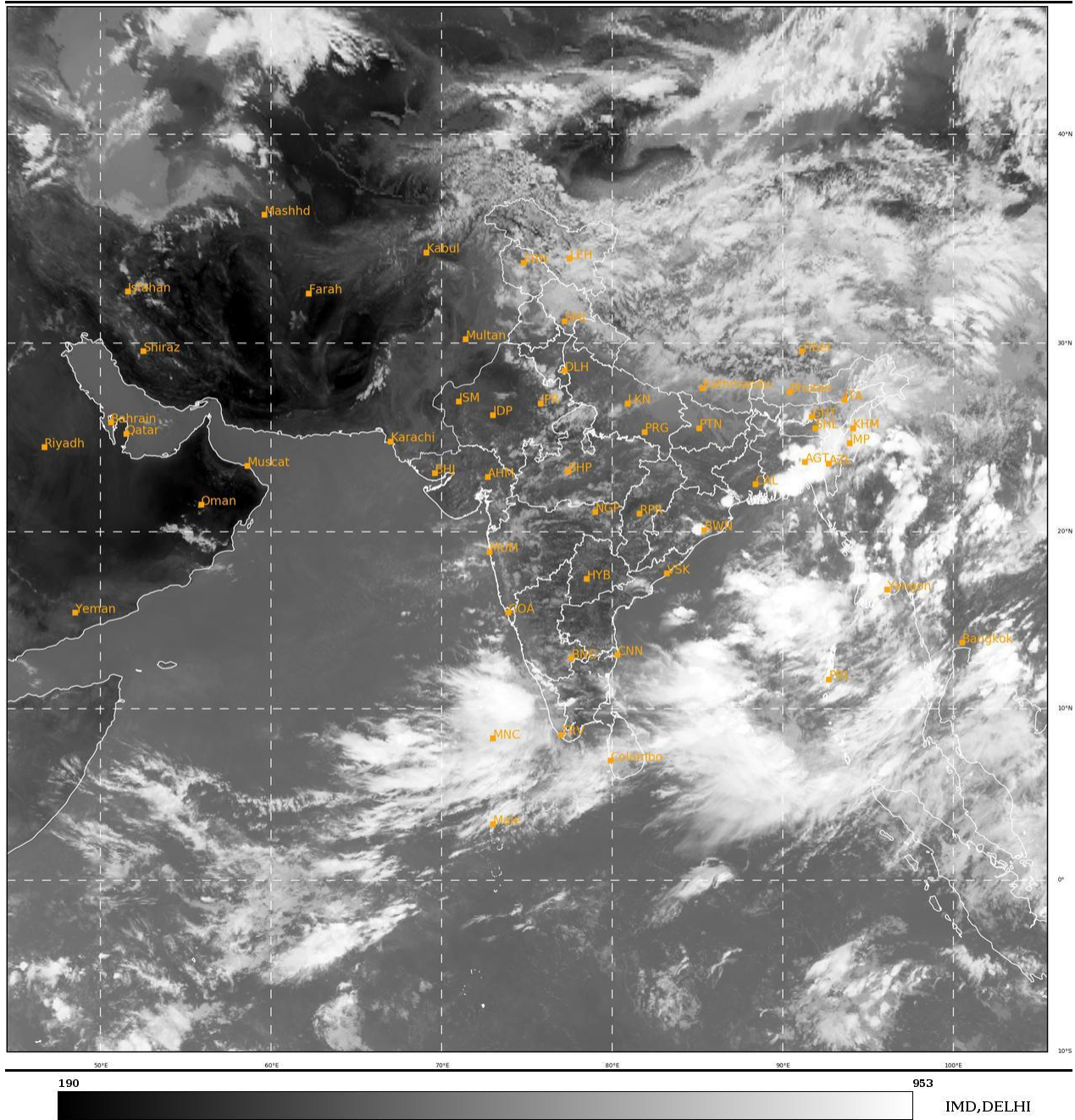


Figure: 1. Latest available satellite picture as on 06 June 2020 at 1357 Hrs (IST). (Source: IMD).

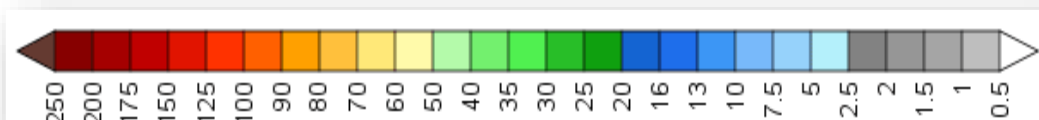
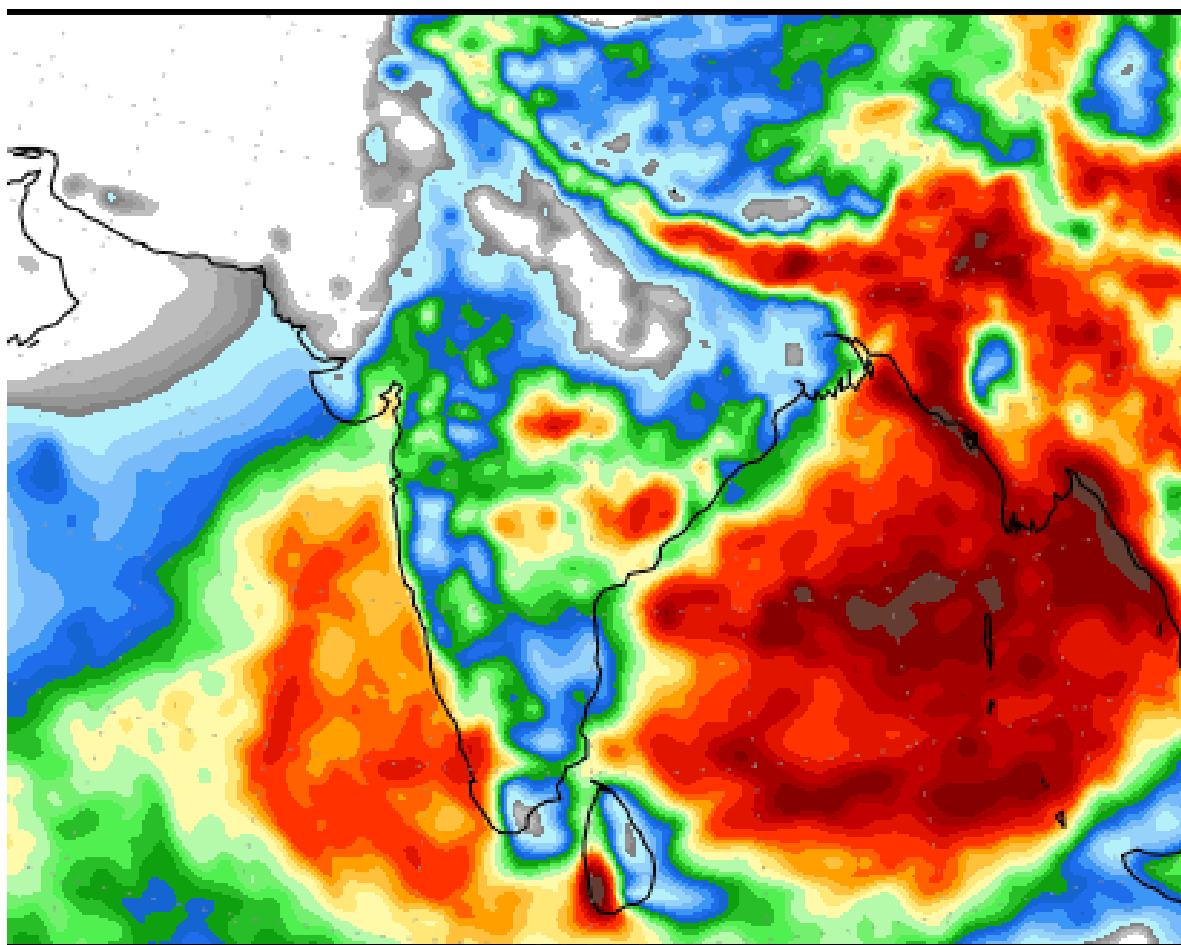


Figure:2. Precipitation forecast for 06 to 14 June 2020 (Source: NOAA NCEP).

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