

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 26 April 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The well marked low pressure area over east Equatorial Indian Ocean & adjoining southeast Bay of Bengal has concentrated into a depression over the same region and lay centered at 0830 hrs IST of today, the 26th April 2019 near Lat. 2.7°N and Long. 89.7°E, about 1140 km east southeast of Trincomalee (Sri Lanka), 1490 km southeast of Chennai and 1760 km south-southeast of Machilipatnam. It is very likely to intensify further into a deep depression during next 24 hours and into a Cyclonic Storm during subsequent 12 hours. It is very likely to move northwestwards off Srilanka coast during next 96 hours and reach near north Tamilnadu & south Andhra Pradesh coasts on 30th April 2019 evening.
- The images showing the latest satellite picture in 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; at a few places over Himachal Pradesh, Uttarakhand, Sub-Himalayan West Bengal & Sikkim and at isolated places over West Rajasthan, West Uttar Pradesh, Bihar, Gangetic West Bengal, Odisha, Assam & Meghalaya, Kerala, Lakshadweep and Andaman & Nicobar Islands. Thunderstorms observed at a few places over Jammu & Kashmir and at isolated places over Himachal Pradesh, Haryana, Chandigarh & Delhi, Punjab, Sub-Himalayan west Bengal & Sikkim Assam & Meghalaya, Bihar, Madhya Maharashtra, Kerala and Lakshadweep from 0830 hours IST of yesterday to 0830 hours IST of today.
- Yesterday, heat wave conditions were observed at isolated pockets over West Madhya Pradesh and Vidarbha.
- Maximum temperature departures as on 25.04.2019: Maximum temperatures were markedly above normal (5.1°C or more) at a few places over Arunachal Pradesh and Assam & Meghalaya; appreciably above normal (3.1°C to 5.0°C) at most places over Vidarbha and Nagaland, Manipur, Mizoram & Tripura; at many places over Haryana, Chandigarh & Delhi, West Madhya Pradesh, Marathwada and Sub-

Himalayan West Bengal & Sikkim; at a few places over Himachal Pradesh, East Madhya Pradesh and Madhya Maharashtra; at isolated places over Rajasthan; above normal (1.6°C to 3.0°C) at most places over West Uttar Pradesh, Bihar, Jharkhand, North Interior Karnataka, Telangana and Rayalaseema ; at many places over Punjab, Uttarakhand, Gujarat Region, East Uttar Pradesh, Chhattisgarh and Kerala; at a few places over Saurashtra & Kutch and Coastal Karnataka; at isolated places over Gangetic West Bengal, Odisha, Konkan & Goa, South Interior Karnataka and Tamilnadu & Puducherry. They were appreciably below normal (-1.5 to -3.0°C) at many places over Jammu & Kashmir; below normal (-1.6°C to -3.0°C) at isolated places over Andaman & Nicobar islands and normal over rest of the country.

- Yesterday, the highest maximum temperature of 46.5°C was recorded at Khargone (West Madhya Pradesh).
- Minimum temperature departures as on 26.04.2019: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at a few places over Madhya Maharashtra, Assam & Meghalaya, Arunachal Pradesh and Tripura; at isolated places over West Rajasthan, Saurashtra & Kutch and West Madhya Pradesh; above normal (1.6°C to 3.0°C) at many places over East Uttar Pradesh, West Bengal & Sikkim, Vidarbha and Jharkhand; at a few places over East Rajasthan, Himachal Pradesh, Uttarakhand, Gujarat Region, Tamilnadu & Puducherry and Andaman & Nicobar Islands and at isolated places over Odisha, North Interior Karnataka, Coastal Andhra Pradesh and Kerala. They are below normal (-1.6°C to -3.0°C) at a few places over East Madhya Pradesh and near normal over rest parts of the country.

Weather Warning during next 5 days (IMD)

- 26 April (Day 1): Squally wind, speed reaching 45-55 kmph gusting to 65 kmph and rough Seas very likely over east Equatorial Indian Ocean & adjoining central parts of south Bay of Bengal. Squally weather very likely over south Andaman Sea. Fishermen are advised not to venture into these areas. Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning at isolated places very likely over Tamilnadu, Kerala and Assam & Meghalaya and with gusty winds (wind speed reaching 30-40 kmph) and lightning at isolated places very likely over south Madhya Maharashtra, Marathwada, south Konkan & Goa, north Coastal Andhra Pradesh, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Odisha, Jharkhand and Bihar. Heat Wave Conditions over many parts with severe heat wave conditions at isolated pockets very likely over Vidarbha; Heat Wave Conditions in some parts likely over West Madhya Pradesh and at isolated pockets over East Madhya Pradesh, south Rajasthan, south Uttar Pradesh, north Madhya Maharashtra and Marathwada.

- 27 April (Day 2): Gale wind, speed reaching 65-75 kmph gusting to 85 kmph and rough to very rough Seas very likely over Southwest Bay of Bengal & adjoining east Equatorial Indian Ocean. Fishermen are advised not to venture into these areas. Thunderstorm accompanied with lightning, squall (wind speed reaching 60-70 kmph) at isolated places over Assam & Meghalaya and (wind speed reaching 50-60 kmph) at isolated places very likely over Sub-Himalayan West Bengal & Sikkim. Thunderstorm accompanied with gusty winds (wind speed reaching 30-40 kmph) and lightning at isolated places very likely over north Coastal Andhra Pradesh and Nagaland, Manipur, Mizoram & Tripura. Heat Wave Conditions over many parts with severe heat wave conditions at isolated pockets very likely over Vidarbha; Heat Wave Conditions in some parts likely over West Madhya Pradesh and at isolated pockets over East Madhya Pradesh, south Rajasthan, south Uttar Pradesh, north Madhya Maharashtra, Chhattisgarh, Odisha, Jharkhand, Gujarat state and Marathwada.
- 28 April (Day 3): Gale wind, speed reaching 80-90 kmph gusting to 100 kmph and very rough to high Seas very likely over Southwest Bay of Bengal & adjoining east Equatorial Indian Ocean along & off Sri Lanka coast. Strong wind speed reaching 30-40 Kmph gusting to 50 Kmph very likely along & off Tamilnadu & Puducherry coasts, Comorin area, Gulf of Mannar and over Kerala. Fishermen are advised not to venture into these areas. Thunderstorm accompanied with lightning and squall (wind speed reaching 50-60 kmph) at isolated places likely over Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya. Thunderstorm accompanied with lightning and gusty winds (wind speed reaching 40-50 kmph) at isolated places very likely over Kerala and with gusty winds (wind speed reaching 30-40 kmph) at isolated places likely over Nagaland, Manipur, Mizoram & Tripura. Heavy rainfall at isolated places very likely over Assam & Meghalaya and Arunachal Pradesh. Heat Wave Conditions over many parts with severe heat wave conditions at isolated pockets very likely over Vidarbha; Heat Wave Conditions in some parts likely over West Madhya Pradesh and at isolated pockets over East Madhya Pradesh, south Rajasthan, south Uttar Pradesh, north Madhya Maharashtra, Chhattisgarh, Odisha, Jharkhand, Gujarat state, Telangana and Marathwada.
- 29 April (Day 4): Gale wind, speed reaching 50-60 kmph gusting to 70 kmph with gradual increase to 80-90 kmph gusting to 100 kmph by evening, likely over Southwest Bay of Bengal along & off Tamilnadu & Puducherry coasts, Gulf of Mannar and Comorin area. Fishermen are advised not to venture into these areas. Strong wind speed reaching 40-50 kmph gusting to 60 kmph, likely over Kerala. Thunderstorm accompanied with lightning and squall (wind speed reaching 50-60 kmph) at isolated places likely over Assam & Meghalaya. Thunderstorm accompanied with lightning and gusty winds (wind speed reaching 40-50 kmph) at isolated places likely over Kerala, Coastal Andhra Pradesh, Coastal & South Interior Karnataka and Tamilnadu and with gusty winds (wind speed reaching 30-40 kmph)

at isolated places likely over Jammu & Kashmir and Sub-Himalayan West Bengal & Sikkim. Heavy rainfall at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Arunachal Pradesh, South Interior Karnataka and Kerala. Heat Wave Conditions over many parts with severe heat wave conditions at isolated pockets very likely over Vidarbha; Heat Wave Conditions in some parts likely over West Madhya Pradesh and at isolated pockets over East Madhya Pradesh, south Rajasthan, south Uttar Pradesh, north Madhya Maharashtra, Chhattisgarh, Odisha, Jharkhand, Gujarat region, Telangana and Marathwada.

- 30 April (Day 5): Gale wind, speed reaching 90-100 kmph gusting to 115 kmph and high to very high Seas likely over Southwest Bay of Bengal along & off north Tamilnadu & Puducherry and south Andhra Pradesh coasts. Fishermen are advised not to venture into these areas. Thunderstorm accompanied with lightning, hail and gusty winds (wind speed reaching 40-50 kmph) at isolated places likely over Jammu & Kashmir, Himachal Pradesh and Uttarakhand. Thunderstorm accompanied with lightning and gusty winds (wind speed reaching 40-50 kmph) likely over Tamilnadu, Kerala, South Interior Karnataka, Coastal Andhra Pradesh; gusty winds (wind speed reaching 30-40 kmph) at isolated places likely over south Chhattisgarh & Sub-Himalayan West Bengal & Sikkim and with Dust storm and gusty winds (wind speed reaching 30-40 kmph) over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and north Rajasthan. Heavy rainfall at isolated places likely over north coastal Tamilnadu & Puducherry, south Coastal Andhra Pradesh, South Interior Karnataka, Assam & Meghalaya and Kerala. Heat Wave Conditions likely in some parts over Vidarbha and West Madhya Pradesh and at isolated pockets over East Madhya Pradesh.
- The weather outlook for the period of seven days *i.e* 26 April to 03 May 2019 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, Punjab, Haryana, Chandigarh & Delhi, West Rajasthan, West Uttar Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim, Gangetic West Bengal, Odisha, Madhya Maharashtra, Kerala, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Eastern Uttar Pradesh region

Weather condition:

Dry weather prevailed in Eastern Uttar Pradesh region of Uttar Pradesh state during past few days.

Contingency measure:

- Looking dry weather farmers of the regions are advised for threshing of wheat and pigeon pea crop very soon. They are advised for irrigation at shorter interval in sugarcane, moong and zaid vegetables etc. in view of looking the higher evaporative demand.
- Under optimum moisture conditions, they are advised for interculture operations as to save them under moisture stress conditions. Summer ploughing in fallow lands for reducing the infestation of weeds and also harmful insect-pest/diseases and to increase the soil moisture retention capacity of the field.
- There is possibility of fruit drops in the citrus, hence advised to spray 2,4-D@ 1 ppm solution.

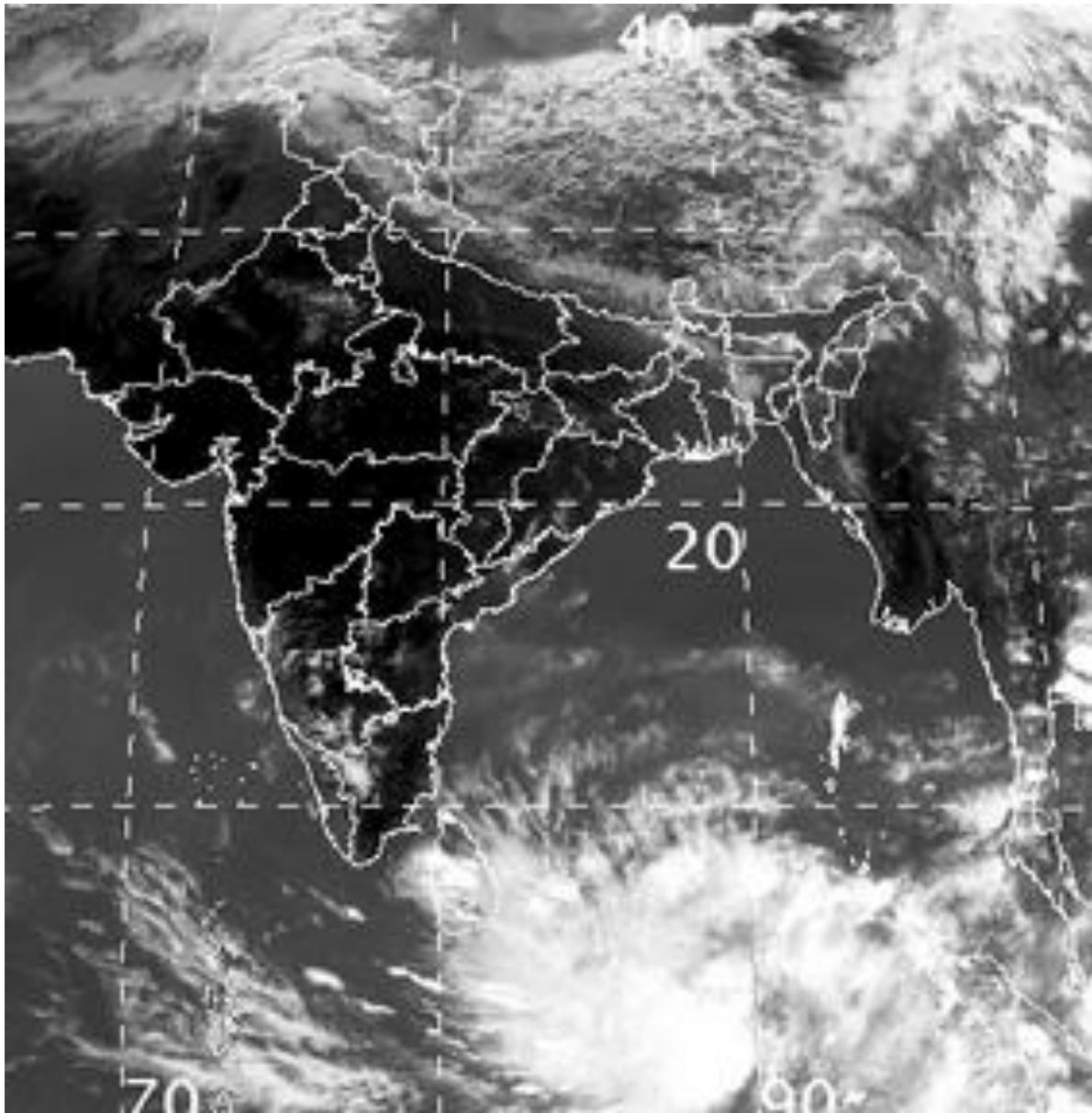


Figure: 1. Latest available satellite picture as on 26 April 2019 at 0230 Hrs (IST).

(Source: IMD).

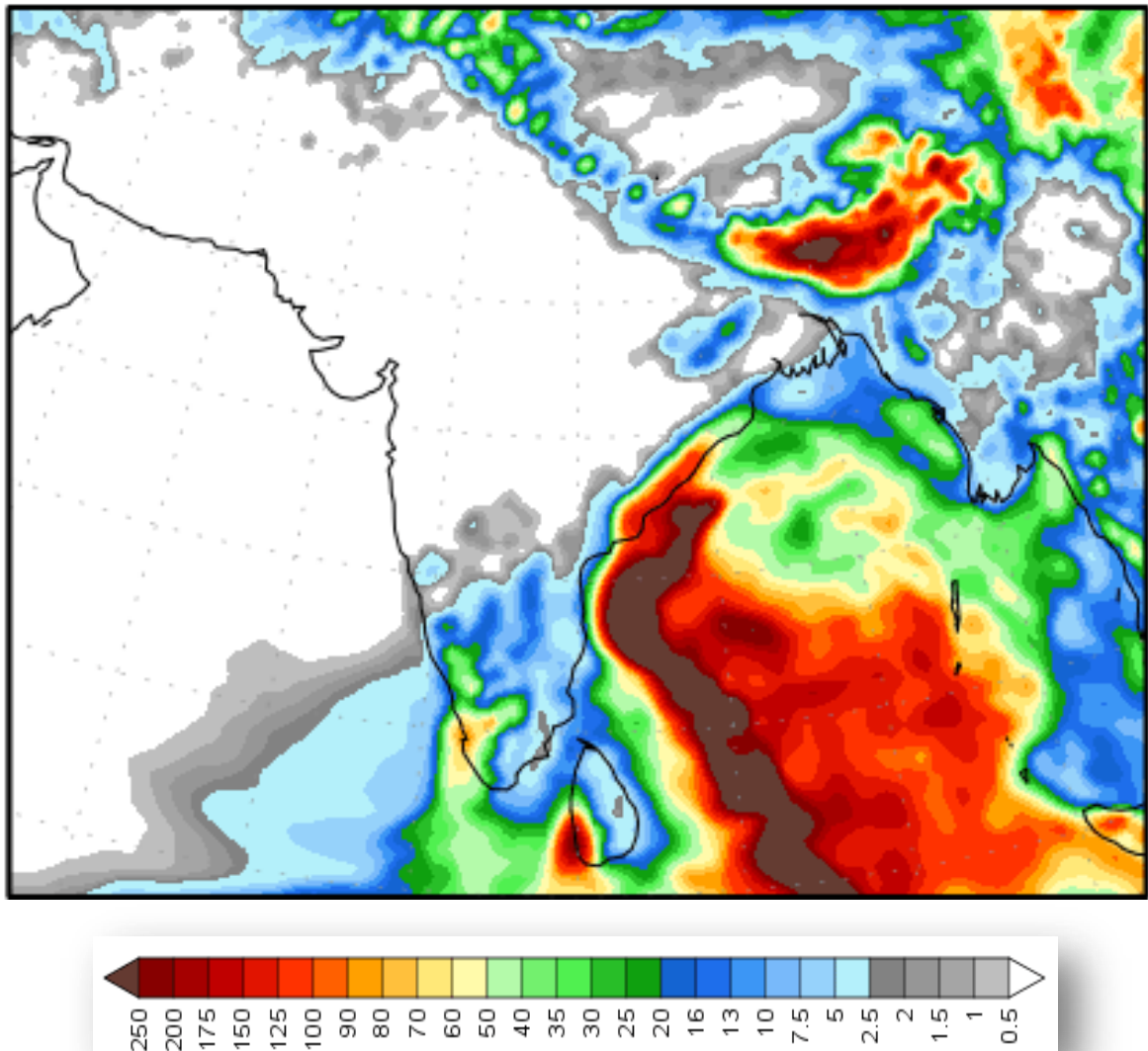


Figure: 2. Precipitation forecast for 26 April to 03 May 2019 (Source: NOAA NCEP).