

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 20 April 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Fairly widespread to widespread precipitation associated with a Western disturbance is likely to continue over Western Himalayan region during next 24 hours. Isolated thunder squalls and hailstorms are very likely over Western Himalayan region today.
- Isolated thunder–storms accompanied with squalls/ gusty winds are also likely over Haryana, Chandigarh & Delhi, north Rajasthan, Uttar Pradesh and Bihar today. Substantial reduction in rainfall is likely from tomorrow.
- Fairly widespread rain/thundershowers and gusty winds are likely to continue over northeast and adjoining eastern India during next 2 days. Isolated thunderstorms with gusty winds and occasional squalls & lightning are likely over parts of south peninsula during the forecast period.
- Day maximum temperatures are likely to remain above 40°C over parts of northwest and central India and parts of Telangana and Interior Andhra Pradesh. Yesterday, Heat wave conditions prevailed at one or two pockets over Saurashtra & Kutch and Vidarbha.
- Thunderstorm observed at a few places over Jammu & Kashmir and at isolated places over Himachal Pradesh, Punjab , West Uttar Pradesh, Kerala, Coastal & South interior Karnataka and Lakshadweep from 0830 hours IST of yesterday to 0830 hours IST of today.
- 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 at most places over Jammu & Kashmir and Nagaland, Manipur, Mizoram & Tripura; at many places over Himachal Pradesh and Assam & Meghalaya; at a few places over Uttarakhand, SubHimalayan West Bengal & Sikkim and Coastal & South Interior Karnataka; at isolated places over Punjab and south Tamilnadu. Amount of Rainfall recorded at 0830 hours IST of today (1 cm or more) are Chitradurga4; Banihal3; Kupwara, Pahalgan, Kokarnag, Batote, Mandi, Coochbehar, Sohra, Kailashahar & Mangalore2 each; Bhaderwah, Gulmarg, Manali, Bhuntar, Gangtok, Rangia, Haflong and Shillong1.

- Maximum temperature departures as on 19042018: Maximum temperatures were markedly above normal (5.1°C or more) at isolated places over Gujarat state; appreciably above normal (3.1°C to 5.0°C) at many places over Himachal Pradesh, and Uttarakhand; at isolated places over West Uttar Pradesh and Madhya Pradesh; above normal (1.6°C to 3.0°C) at most places over Himachal Pradesh, Haryana, Chandigarh & Delhi, Vidarbha, Konkan & Goa and Rayalseema ; at many places over Uttar Pradesh and West Rajasthan; at a few places over Punjab, Madhya Pradesh, Bihar, Jharkhand, Chhattisgarh, Odisha, Coastal Andhra Pradesh, Telangana and Madhya Maharashtra and at isolated places over Kerala and Tamilnadu & Puducherry. They were appreciably below normal (3.1° C to 5.0) at a few places over Assam & Meghalaya and SubHimalayan West Bengal & Sikkim; below normal (1.6° C to 3.0° C) at many places over Gangetic West Bengal and near normal over rest of the country. The highest maximum temperature of 45.4°C recorded at Chandrapur (Vidarbha) over the plains of the country.
- Minimum temperature departures as on 20042018: Minimum temperatures are markedly above normal (5.1°C or more) at isolated places over West Madhya Pradesh; appreciably above normal (3.1°C to 5.0°C) at most places over East Rajasthan; at many places over West Rajasthan; at a few places over Haryana, Chandigarh & Delhi and Telangana; at isolated places over Punjab and East Madhya Pradesh; above normal (1.6°C to 3.0°C) at most places over Gujarat and West Bengal & Sikkim; at many places over West Uttar Pradesh and Coastal Andhra Pradesh; at a few places over Uttarakhand, East Uttar Pradesh, Odisha, Chhattisgarh, Vidarbha, Assam & Meghalaya and Rayalaseema; at isolated places over Himachal Pradesh, Madhya Maharashtra, North Interior Karnataka and Tamilnadu & Puducherry. They are below normal (1.6° C to 3.0° C) at a few places over Coastal Karnataka; at isolated places over South Interior Karnataka and near normal over rest parts of the country.

Weather Warning during next 5 days (IMD)

- 20 April (Day 1): Thunderstorm accompanied with squall and hail very likely at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand. Thunderstorm accompanied with gusty winds very likely at isolated places over Uttar Pradesh, north Rajasthan, West Bengal & Sikkim, Jharkhand, Odisha, Assam & Meghalaya, Manipur, Mizoram & Tripura, Telangana, Karnataka, north Coastal Andhra Pradesh, Tamilnadu and Kerala. Thunderstorm accompanied with squall very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi and Bihar. Heavy rain very likely at isolated places over Jammu & Kashmir, south Assam & Meghalaya and Mizoram & Tripura. Heat wave conditions very likely in one or two pockets over Vidharbha. Strong winds speed reaching 2535 kmph gusting to 45 kmph with moderate to rough sea conditions are very likely along and off West BengalOdisha coasts. Fishermen are advised to be cautious while venturing in to the sea along & off these coasts.
- 21 April (Day 2): Thunderstorm accompanied with squall and hail very likely at isolated places over SubHimalayan West Bengal & Sikkim. Thunderstorm accompanied with squall very likely at isolated places over Jharkhand and Gangetic West Bengal. Thunderstorm accompanied with gusty winds very likely at isolated places over Odisha, Assam & Meghalaya, Manipur, Mizoram, Tripura, south Chhattisgarh and Kerala. Heavy rain very

likely at isolated places over south Assam & Meghalaya and Mizoram & Tripura. Strong winds speed occasionally reaching 4050 kmph with moderate to rough sea conditions are very likely along and off West BengalOdisha coasts. Fishermen are advised not to venture into the Sea along & off these coasts. Based on the forecast generated by INCOIS, moderate to rough sea conditions are very likely to prevail along the West coast of India and rough to very rough over southern parts of West Coast and Lakshadweep area in the morning hours. Fishermen are advised to be cautious while venturing into the Sea along & off these areas.

- 22 April (Day 3) : Thunderstorm accompanied with squall and hail very likely at isolated places over SubHimalayan West Bengal & Sikkim. Thunderstorm accompanied with squall likely at isolated places over Gangetic West Bengal. Thunderstorm accompanied with gusty winds likely at isolated places over Telangana, Tamilnadu, interior Karnataka and Kerala. Based on the forecast generated by INCOIS, moderate to rough sea conditions are very likely to prevail along & off the West coast of Andaman & Nicobar Islands. Fishermen are advised to be cautious while venturing into the Sea along & off these areas.
- 23 April (Day 4): Heat wave conditions are likely to prevail in some parts of Jammu & Kashmir, Himachal Pradesh and Uttarakhand. Based on the forecast generated by INCOIS, rough to very rough sea conditions are likely to prevail along & off the West coast of Andaman & Nicobar Islands. Fishermen are advised not to venture into the Sea along & off these areas.
- 24 April (Day 5): Thunderstorm accompanied with gusty winds likely at isolated places over Telangana. Heat wave conditions are likely to prevail in some parts of Jammu & Kashmir Himachal Pradesh and Uttarakhand.
- The weather outlook for the period of seven days i.e 15 to 23 April 2018 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>) rain/thundershower may occur over Kerala, Tamilnadu, Odisha & Andaman & Nicobar Islands and North eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Uttarakhand

Weather condition

Moderate rainfall received in Assam state during past few days. Minimum and maximum temperature was observed above normal.

Contingency measure:

- Sowing of summer vegetables should be completed within this month. Irrigation should be provided to bao rice.

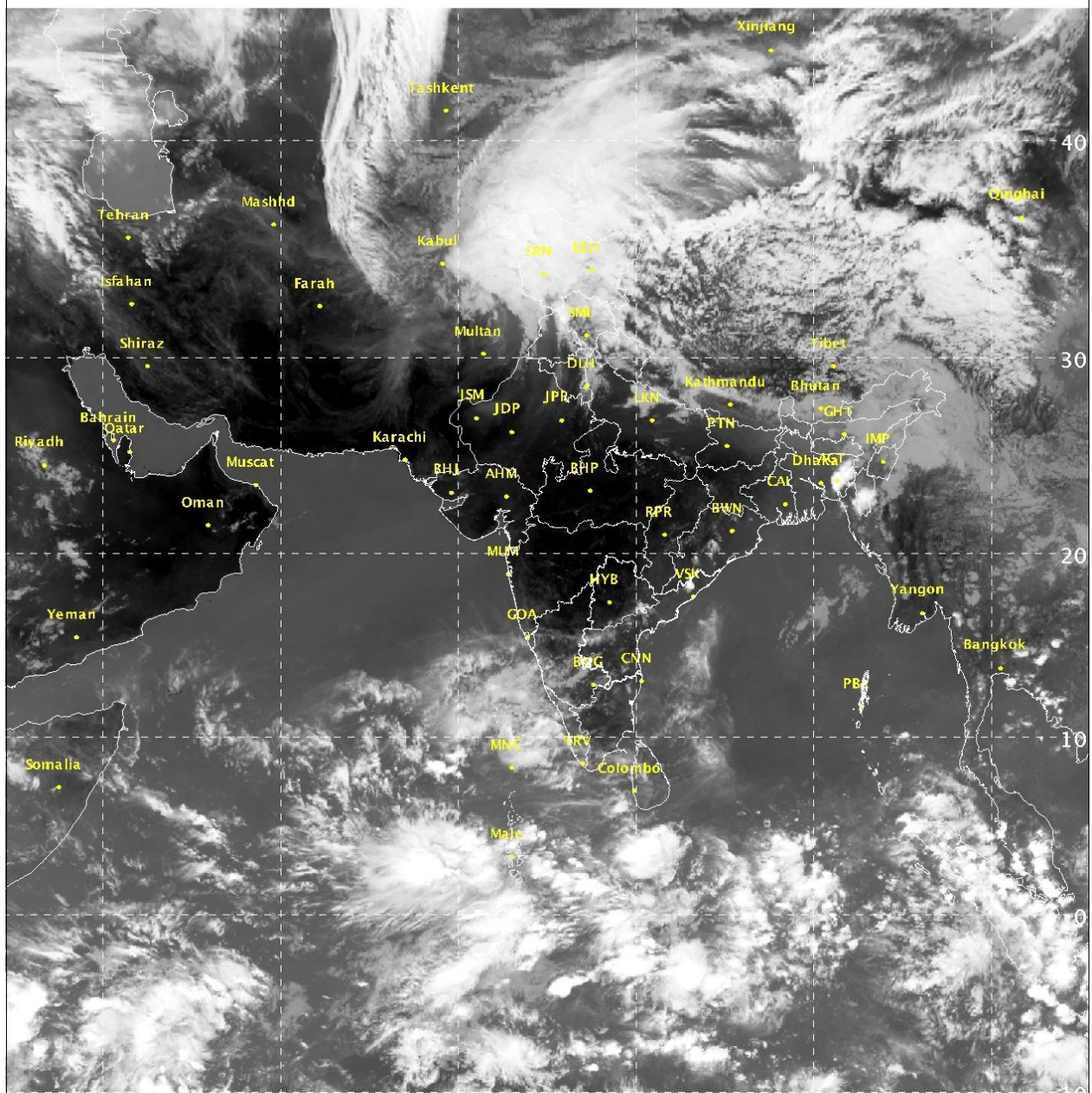
SAT :INSAT-3D IMG

IMG_TIR2 12.0 um

L1C Mercator (LINEAR STRETCH: 1.0%)

20-04-2018/07:30 GMT

20-04-2018/13:00 IST



333

887

IMD/Delhi

Figure: 1. Latest available satellite picture as on 20 April 2018 at 1500 Hrs (IST). (Source: IMD).

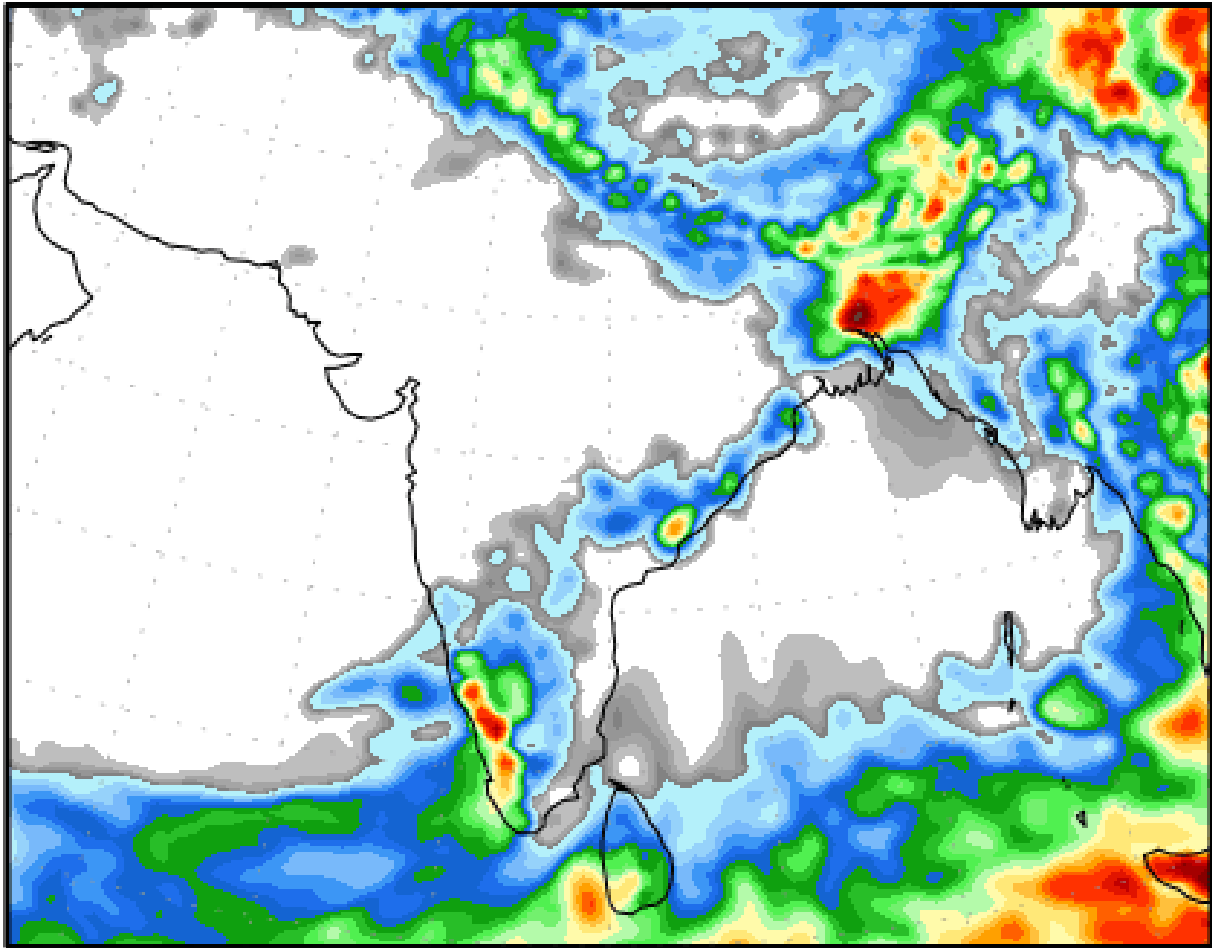


Figure: 2. Precipitation forecast for 20 to 28 April 2018 (Source: NOAA NCEP).

