

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 07 April 2022

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Heat Wave Spell likely to continue over Northwest India, Madhya Pradesh, Bihar and Jharkhand during next 5 days.
- Heat Wave conditions in most parts with severe heat wave conditions in isolated pockets very likely over West Rajasthan; Heat Wave to with severe heat wave conditions in some parts over East Rajasthan and in isolated pockets over south Haryana-Delhi during next 5 days.
- Heat Wave conditions in some parts over Madhya Pradesh during next 5 days with severe heat wave conditions in isolated pockets over West Madhya Pradesh on 10th & 11th April, 2022.
- Heat Wave conditions in some pockets over Himachal Pradesh and in isolated pockets over Punjab, Uttar Pradesh, Jharkhand & Bihar during next 5 days; over Jammu division on 07th & 08th; over north Madhya Maharashtra on 07th; over northern parts of Gujarat & Kutch during 07th-09th and over Vidarbha during 09th-11th April, 2022.
- Rainfall Forecast & Warnings:
- Under the influence of strong southwesterly winds from Bay of Bengal to northeastern States at lower tropospheric levels:
 - i) Fairly widespread to widespread rainfall accompanied with thunderstorm/lightning very likely over Sub-Himalayan West Bengal-Sikkim, Arunachal Pradesh, Assam-Meghalaya and isolated/scattered rainfall accompanied with thunderstorm/lightning over Nagaland, Manipur, Mizoram & Tripura during next 5 days.
 - ii) Isolated heavy rainfall very likely over Arunachal Pradesh & Sub-Himalayan West Bengal-Sikkim during 07th-10th April; over Assam-Meghalaya during next 5 days. Isolated very heavy rainfall also very likely west Assam-Meghalaya during 09th-11th April, 2022.
- Under the influence of trough over south Peninsular India:
 - i) Light isolated/scattered rainfall accompanied with thunderstorm/lightning very likely over KeralaMahe, Lakshadweep, Tamilnadu-Puducherry-Karaikal,

Karnataka during next 5 days; over Telangana on 07th and over Coastal Andhra Pradesh during 09th-11th April.

ii) Isolated heavy rainfall likely over south Kerala on 08th & 09th April, 2022.

- The images showing the latest satellite picture in the figure. 1.

Main Weather Observations (IMD)

- Rainfall/thundershower observed (from 0830 hours IST of yesterday-0830 hours IST of today): at many places over Kerala-Mahe, Andaman-Nicobar Islands, Sub-Himalayan West Bengal-Sikkim, Arunachal Pradesh; at a few places over Assam-Meghalaya, Lakshadweep and at isolated places over Chhattisgarh, Odisha, Coastal Andhra Pradesh, Telangana, Karnataka and Tamil Nadu-Puducherry-Karaikal.
- Heavy rainfall observed at isolated places over Sub-Himalayan West Bengal-Sikkim and Kerala-Mahe.
- Thunderstorm observed (from 0830 hours IST of yesterday-0830 hours IST of today): at a few places over Kerala-Mahe and at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Chhattisgarh, Konkan-Goa, Madhya Maharashtra, Assam & Meghalaya, Odisha and North Interior Karnataka.
- Yesterday, Heat Wave Conditions at many parts with Severe Heat Wave conditions at isolated pockets were observed over West Rajasthan & Himachal Pradesh and heat wave conditions over some parts of East Rajasthan and at isolated pockets of South Haryana, Delhi, Madhya Pradesh, south Uttar Pradesh and Saurashtra & Kutch.
- Maximum Temperature Departures (as on 06-04-2022): Maximum temperatures were markedly above normal (5.1°C or more) at most places over Jammu & Kashmir, Himachal Pradesh, West Rajasthan and Punjab ; appreciably above normal (3.1°C to 5.0°C) at most places over East Rajasthan, Madhya Pradesh and Jharkhand; at many places over Uttarakhand, Uttar Pradesh and Bihar, at a few places over Saurashtra-Kutch, Vidarbha and at isolated places over Gangetic West Bengal and Madhya Maharashtra; above normal (1.6°C to 3.0°C) at most places over Marathwada; at many places over Coastal Karnataka; at a few places over Konkan-Goa and at isolated places over Kerala & Mahe and Tamilnadu-Puducherry-Karaikal. They were markedly below normal (-5.1°C or less) at many places over Assam-Meghalaya; appreciably below normal (- 3.1°C to -5.0°C) at many places over Andaman & Nicobar islands and below normal (-1.6°C to - 3.0°C) at isolated places over Coastal Andhra Pradesh-Yanam and near normal

over rest parts of the country. Yesterday, the highest maximum temperature of 44.5°C was reported at Barmer (West Rajasthan) over the country.

- Minimum Temperature Departures (as on 07-04-2022): Minimum temperatures are markedly above normal (5.1°C or more) at isolated places over Bihar; appreciably above normal (3.1°C to 5.0°C) at many places over Punjab, Himachal Pradesh and West Rajasthan; at a few places over Saurashtra-Kutch and at isolated places over Madhya Maharashtra, East Madhya Pradesh, Vidarbha and Sub-Himalayan West Bengal-Sikkim; above normal (1.6°C to 3.0°C) at most places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Gangetic West Bengal; at many places over Uttarakhand, Marathwada, Jharkhand and Coastal Karnataka; at a few places over West Madhya Pradesh and Chhattisgarh and at isolated places over Haryana-Chandigarh-Delhi and Odisha. They are below normal (-1.6°C to -3.0°C) at many places over KeralaMahe; at a few places over Andaman & Nicobar Islands and Tamil Nadu, Puducherry & Karaikal; at isolated places over Telangana and near normal over rest parts of the country. Today, the lowest minimum temperature of 16.4°C was reported at Rewa (East Madhya Pradesh) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 7 April (Day 1): Heat wave conditions in most places with severe Heat wave conditions in isolated pockets very likely over West Rajasthan; Heat wave conditions in some parts with severe heat wave conditions in isolated pockets over East Rajasthan; Heat wave to severe heat wave conditions in isolated pockets over south Haryana-Delhi and Heat wave conditions in some pockets over Himachal Pradesh and in isolated pockets over northern parts of Gujarat region, Kutch, Jammu Division, south Punjab, Uttar Pradesh, Madhya Pradesh, Madhya Maharashtra, Bihar and Jharkhand. Thunderstorm accompanied lightning/gusty winds (speed 30-40 kmph) at isolated places very likely over Assam-Meghalaya and with lightning at isolated places over Sub-Himalayan West Bengal-Sikkim, Andaman-Nicobar Islands, Nagaland, Manipur, Vidarbha, Chhattisgarh, Madhya Maharashtra, Konkan-Goa, Gangetic West Bengal, Odisha, Karnataka, Telangana, Kerala-Mahe and Tamilnadu, Puducherry & Karaikal. Heavy rainfall at isolated places very likely over Arunachal Pradesh, Assam-Meghalaya and Sub-Himalayan West Bengal-Sikkim.
- 8 April (Day 2): Heat wave conditions in most places with severe Heat wave conditions in isolated pockets very likely over West Rajasthan; Heat wave conditions in some parts with severe heat wave conditions in isolated pockets over East Rajasthan; Heat wave to severe heat wave conditions in isolated pockets over south Haryana-Delhi and Heat wave conditions in some parts over

Himachal Pradesh, Madhya Pradesh and in isolated pockets over Jammu division, south Punjab, Uttar Pradesh, Bihar, Jharkhand and Gujarat state. Thunderstorm accompanied with lightning/gusty winds (speed 30-40 kmph) at isolated places very likely over Sub-Himalayan West Bengal-Sikkim, Assam-Meghalaya and Kerala-Mahe and with lightning at isolated places very likely over Chhattisgarh, Gangetic West Bengal, Odisha, Andaman-Nicobar Islands, Nagaland-Manipur, Madhya Maharashtra, Konkan-Goa, Coastal Karnataka and Tamilnadu, Puducherry & Karaikal. Heavy rainfall at isolated places very likely over Sub-Himalayan West Bengal-Sikkim, Arunachal Pradesh, Assam-Meghalaya and south Kerala.

- 9 April (Day 3): Heat wave conditions in most places with severe Heat wave conditions in isolated pockets very likely over West Rajasthan; Heat wave conditions with severe heat wave conditions in some parts over East Rajasthan and in isolated pockets over south Haryana-Delhi and Heat wave conditions in some parts over Madhya Pradesh and in isolated pockets over south Punjab, Uttar Pradesh, Bihar, Jharkhand and Gujarat state. Thunderstorm accompanied with lightning/gusty winds (speed 30-40 kmph) at isolated places very likely over Sub-Himalayan West Bengal-Sikkim and Kerala-Mahe and with lightning at isolated places very likely over Chhattisgarh and Tamilnadu, Puducherry & Karaikal. Heavy to very heavy rainfall at isolated places very likely over Assam-Meghalaya and heavy rainfall at isolated places over Sub-Himalayan West Bengal-Sikkim, Arunachal Pradesh and south Kerala.
- 10 April (Day 4): Heat wave conditions in most places with severe Heat wave conditions in isolated pockets likely over West Rajasthan; Heat wave to severe heat wave conditions in some parts over East Rajasthan; Heat wave conditions in some parts with severe heat wave conditions in isolated pockets over West Madhya Pradesh; Heat wave to severe heat wave conditions in isolated pockets over south Haryana-Delhi and Heat wave conditions in some parts over East Madhya Pradesh and in isolated pockets over south Punjab, Uttar Pradesh, Bihar, Jharkhand and Vidarbha. Thunderstorm accompanied with lightning at isolated places likely over Chhattisgarh, Sub-Himalayan West Bengal-Sikkim, Tamilnadu, Puducherry & Karaikal and Kerala-Mahe. Heavy to very heavy rainfall at isolated places likely over west Assam-Meghalaya and heavy rainfall at isolated places over Arunachal Pradesh and Sub-Himalayan West Bengal-Sikkim.
- 11 April (Day 5): Heat wave conditions in most places with severe Heat wave conditions in isolated pockets likely over West Rajasthan; Heat wave to severe heat wave conditions in some parts over East Rajasthan; Heat wave conditions in some parts with severe heat wave conditions in isolated pockets over West

Madhya Pradesh; Heat wave to severe heat wave conditions in isolated pockets over south Haryana-Delhi and Heat wave conditions in some parts over East Madhya Pradesh and in isolated pockets over south Punjab, Uttar Pradesh, Bihar, Jharkhand and Vidarbha. Thunderstorm accompanied with lightning at isolated places likely over Chhattisgarh and Kerala-Mahe. Heavy to very heavy rainfall at isolated places likely over west Assam-Meghalaya.

- The weather outlook for seven days i.e., 07 Apr to 15 Apr 2022 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)

Western U.P

Weather condition:

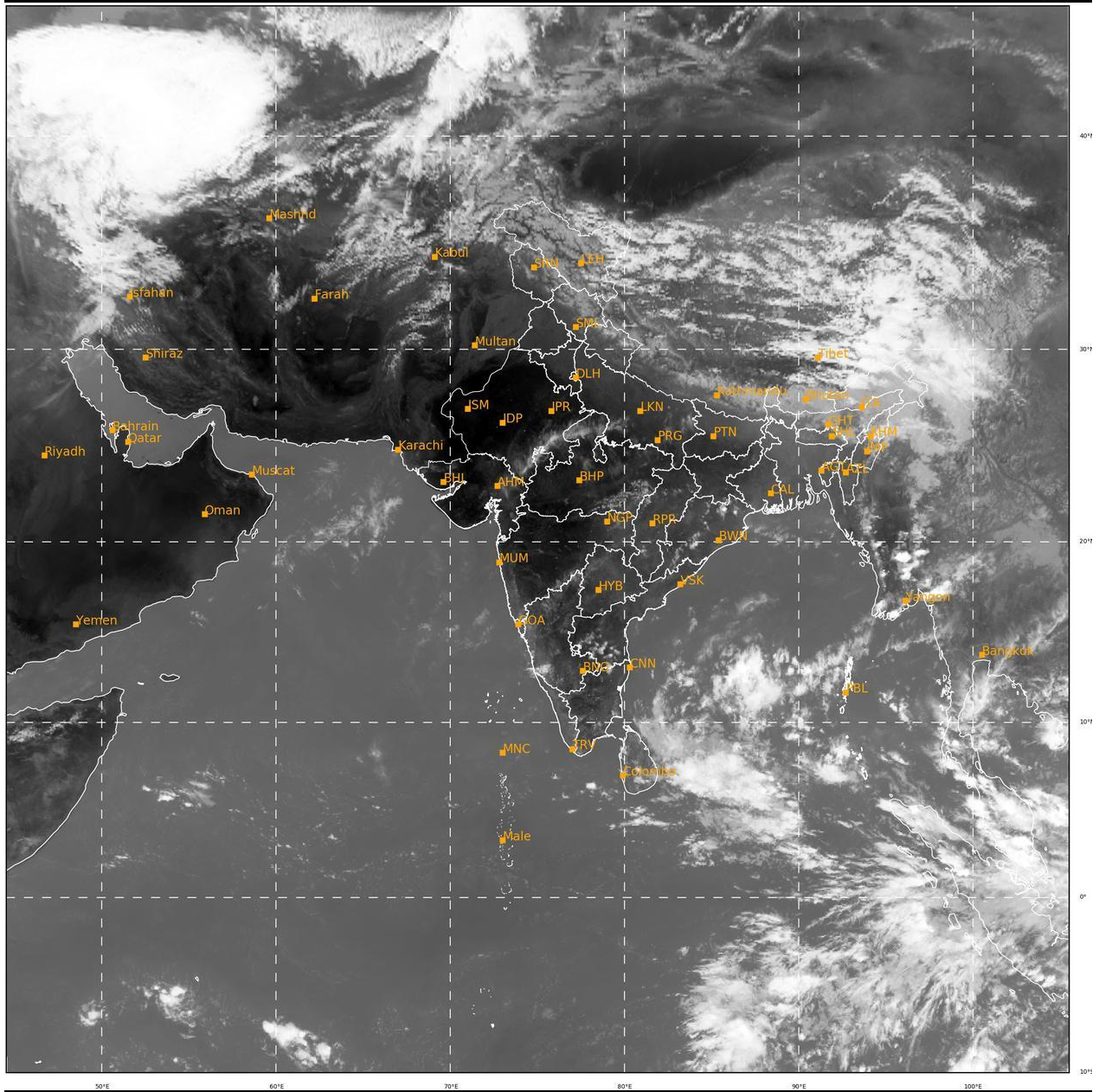
Clear weather appearing 2 to 5 April and light cloud coverage only 6 April, weather will be mainly dry and hot, no rainfall forecast during this week. Maximum and minimum temperature may be expected 2-3 0C higher than its normal. South-easterly/ North westerly winds may be expected and prevailing 2 to 3 km higher than its normal during this week as per forecast.

Contingency measure:

- Wheat: Weather will be hot and dry during this week farmers are advised harvest mature crop. Late sown wheat light irrigation should be given at milking stage in evening time.
- Barley: Weather will be hot and dry during this week farmers are advised harvesting and threshing should be done.
- Rabi maize: Harvest mature crop and light irrigation should be given at dough stage in the evening time.
- Pigeon pea: Harvest mature crop.
- Pea: Harvesting and threshing should be done.
- Gram : Harvesting and threshing should be done.
- Lentil: Harvesting and threshing should be done.
- Zaid Urd and Moong:Sowing should be done as early as possible.
- Linseed: Harvesting and threshing should be done.
- Brinjal / Chilies: Pick up mature fruits in standing crop. Watchful insect and pest due to cloudy weather and higher temperature. Light irrigation should be given.
- Leafy Vegetable: Cutting , marketing ,watchful insect and pest due to cloudy

weather and higher temperature. light irrigation should be given.

- Barseem: Stop cutting if crop used for seed production and light moisture should be maintained .
- Animal :Balanced diet should be given for milch animal. Fresh water used for dirking 2 or 3 time and bathing should be taken up at morning. The routine immunization of animals becomes necessary since disease decrease milk production capacity among milch animals if need concerned near Veterinary hospital.



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IMD, DELHI

Figure: 1. Latest available satellite picture as on 07 Apr 2022 at 1356 Hrs (IST). (Source: IMD).

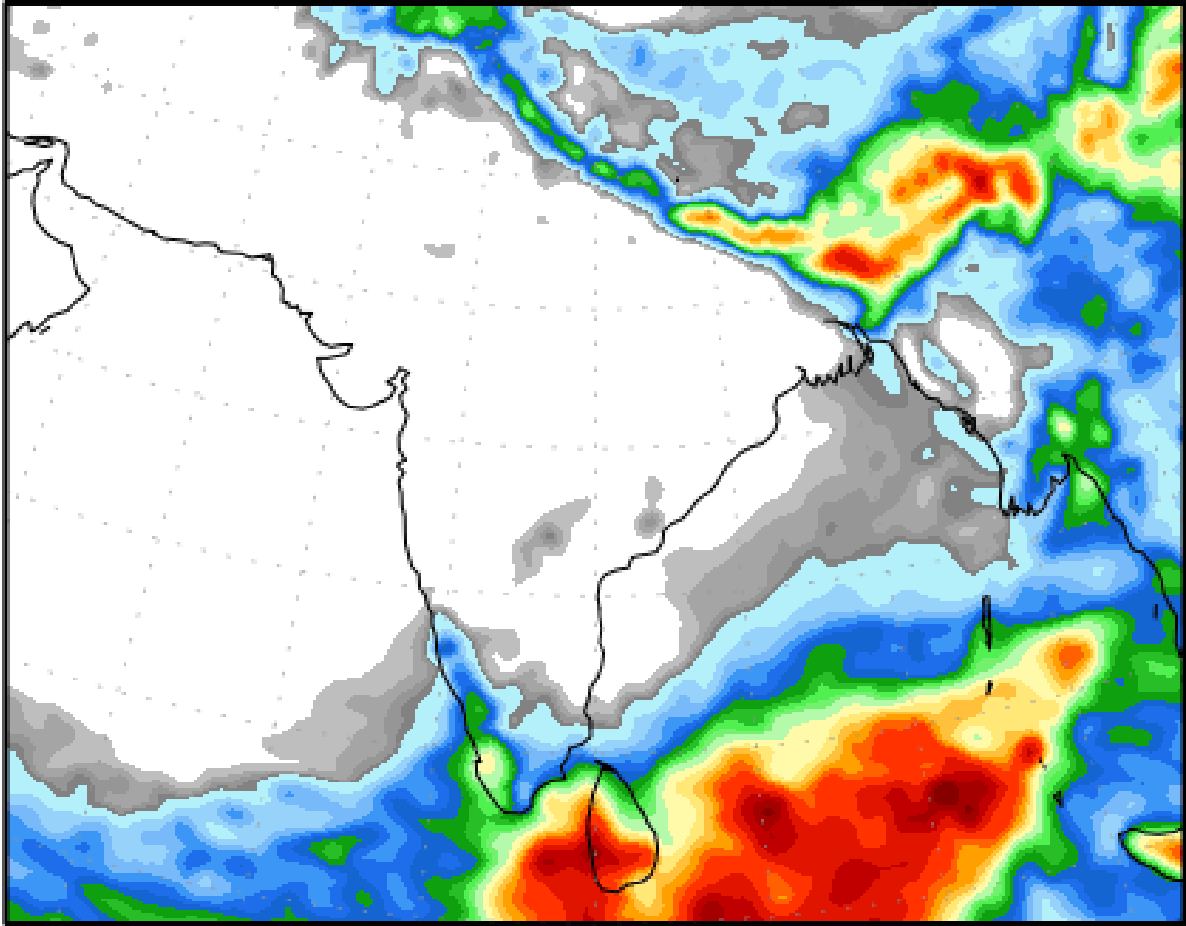


Figure:2. Precipitation forecast for 07 Apr to 15 Apr 2022 (Source: NOAA NCEP).

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