

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 04 November 2020

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Significant Weather Features (IMD)

- A cyclonic circulation lies over Southwest Bay of Bengal off Sri Lanka coast and a trough runs from southeast Arabian Sea to Karnataka coast across Lakshadweep area in lower tropospheric levels. Under its influence:
 - i) Scattered to fairly widespread rainfall very likely over Tamil Nadu & Puducherry, Kerala & Mahe, South Interior Karnataka and Lakshadweep area during next 5 days; Isolated to scattered rainfall over Coastal Karnataka, Andhra Pradesh and Telangana during next 3-4 days.
 - ii) Isolated heavy rainfall with moderate thunderstorm & lightning also very likely over Tamil Nadu during next 5 days and over Kerala during next 2 days.
- Generally dry weather very likely to prevail over most parts of north, west and central India and over some parts of east India during next 5 days.
- 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 many places over Arunachal Pradesh; at a few places over Nagaland, Manipur, Mizoram & Tripura and Kerala & Mahe; at isolated places over Himachal Pradesh, Assam & Meghalaya, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal.
- Thunderstorm observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Assam & Meghalaya, Coastal Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.
- Maximum Temperature Departures as on 03-11-2020: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Tamil Nadu, Puducherry & Karaikal and Coastal Andhra Pradesh & Yanam; at isolated places over Gangetic West Bengal and Assam & Meghalaya; above normal (1.6°C to 3.0°C) at most

places over Lakshadweep; at many places over Rayalseema, South Interior Karnataka and Odisha; at a few places over Telangana, Kerala & Mahe, Jharkhand, Sub-Himalayan West Bengal and Nagaland, Manipur, Mizoram & Tripura and at isolated places over Himachal Pradesh, Vidarbha, Madhya Maharashtra and Konkan & Goa. They were below normal (-1.6°C to -3.0°C) at isolated places over Saurashtra & Kutch and East Uttar Pradesh and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 37.0°C was reported at Bulsar (Gujarat Region).

- Minimum Temperature Departures as on 04-11-2020: Minimum temperatures are markedly above normal (5.1°C or more) at isolated places over Nagaland, Manipur, Mizoram & Tripura; appreciably above normal (3.1°C to 5.0°C) at a few places over Assam & Meghalaya; at isolated places over Sub-Himalayan West Bengal & Sikkim; above normal (1.6°C to 3.0°C) at many places over Coastal Andhra Pradesh, Rayalaseema and South Interior Karnataka; at a few places over Arunachal Pradesh, Odisha, Coastal Karnataka, Lakshadweep and Andaman & Nicobar Islands; at isolated places over Uttarakhand, Bihar, Saurashtra & Kutch, Telangana, Madhya Pradesh, Chhattisgarh, Madhya Maharashtra and Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal. They are markedly below normal (-5.1°C or less) at isolated places over Vidarbha; appreciably below normal (-3.1°C to -5.0°C) at many places over West Uttar Pradesh; at a few places over Haryana, Chandigarh & Delhi, Rajasthan and East Uttar Pradesh; at isolated places over Marathwada and Gujarat region; below normal (-1.5°C to -3.0°C) at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Punjab and Gangetic West Bengal and near normal at rest part of the country. The lowest minimum temperature of 8.6°C reported at Churk (East Uttar Pradesh) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 04 November (Day 1): Heavy rainfall very likely at isolated places over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal. Thunderstorm with lightning very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Coastal & South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.
- 05 November (Day 2): Heavy rainfall very likely at isolated places over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal. Thunderstorm with lightning

very likely at isolated places over South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

- 06 November (Day 3): Heavy rainfall very likely at isolated places over Tamil Nadu, Puducherry & Karaikal. Thunderstorm with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.
- 07 November (Day 4): Heavy rainfall very likely at isolated places over Tamil Nadu, Puducherry & Karaikal. Thunderstorm with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.
- 08 November (Day 5): Heavy rainfall very likely at isolated places over Tamil Nadu, Puducherry & Karaikal. Thunderstorm with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.
- The weather outlook for seven days i.e., 04 to 12 November 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)

Marathwada

Weather condition:

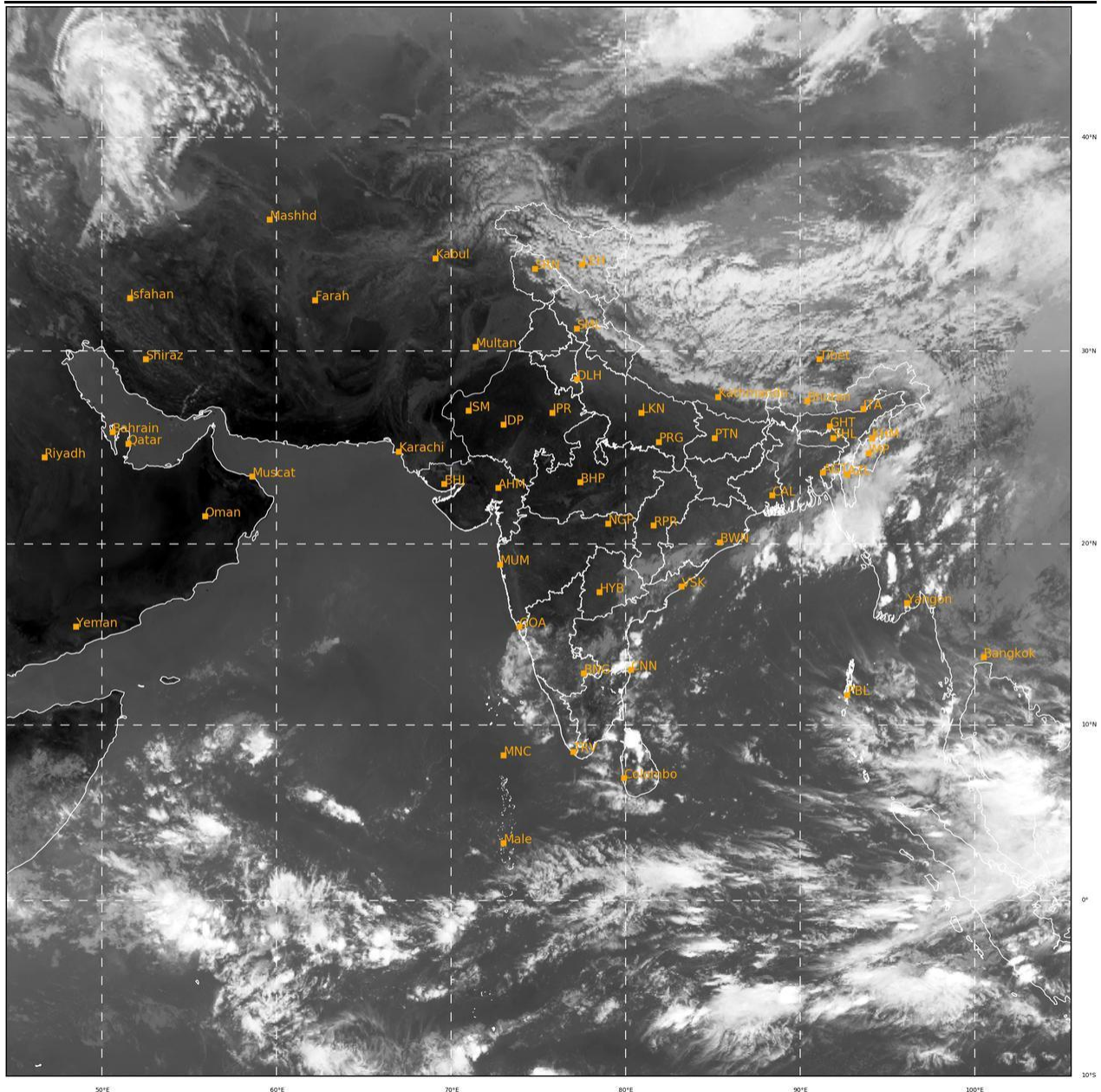
At Parbhani centre: 29 Oct to 04 Nov. (SMW 44) during this period no rainfall was recorded. The Maximum temperature was range from 32.0 to 33.2°C and minimum temperature range from 12.7 to 17.2°C. Relative humidity (RH I) ranged between 85 to 90 % and relative humidity (RH II) recorded was 23 % to 34 %. The wind speed varied between 1.6 to 2.9 km/hr.

Contingency measure:

- chick pea-Apply 25:50:25 kg NPK / ha at the time of sowing of Chick pea crop. Sowing of irrigated chickpea can be done up to first week of November.
- Safflower-The recommended dose of fertilizer for irrigated Safflower is 60:40:00 kg NPK / ha. Apply 30:40:00 kg NPK / ha at the time of sowing of Safflower crop. Sowing of irrigated chickpea can be done up to first week of November.
- Sugarcane-Plantation of pre-seasonal sugarcane can be done up to 15th November.
- Turmeric-For management of Leaf Spot diseases in turmeric crop take a spray of Azoxystrobin 18.2 % + Difenoconazole 11.4 % SC @ 10 ml per 10 liter of water.
- cotton-Picking of cotton should be done.
- Pigeon pea -For management of pod borer in pigeonpea crop take a spray of Quinalphos 25 % @ 20 ml or Emamectin benzoate 5 % @ 4.4 gm per 10 liter of water.
- Rabi sorghum-If sowing of Irrigated Rabi Sorghum was not done, it should be done as early as possible.
- Wheat-Sowing of Wheat crop can be done up to 20th November.
- Banana-Weed management should be done in banana Orchard.
- Mango-Do not irrigate mango orchard for better flowering. Weed management should be done in Mango Orchard.
- Grape-Precaution should be taken so that water stress may not be observed in grape orchard. Irrigate grape orchard as per requirement.
- Custard apple-Grading of harvested Custard apple should be done before sending to market.
- Vegetable-Transplanting of rabi Vegetable crops should be done as per availability of water. Harvesting of mature vegetables should be done.
- Floriculture-Harvesting of mature flowers should be done. Weed management should be done in floriculture.

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

04-11-2020/(0800 to 0827) GMT
04-11-2020/(1330 to 1357) IST



350

936

IMD, DELHI

Figure: 1. Latest available satellite picture as on 04 November 2020 at 1357 Hrs (IST). (Source: IMD).

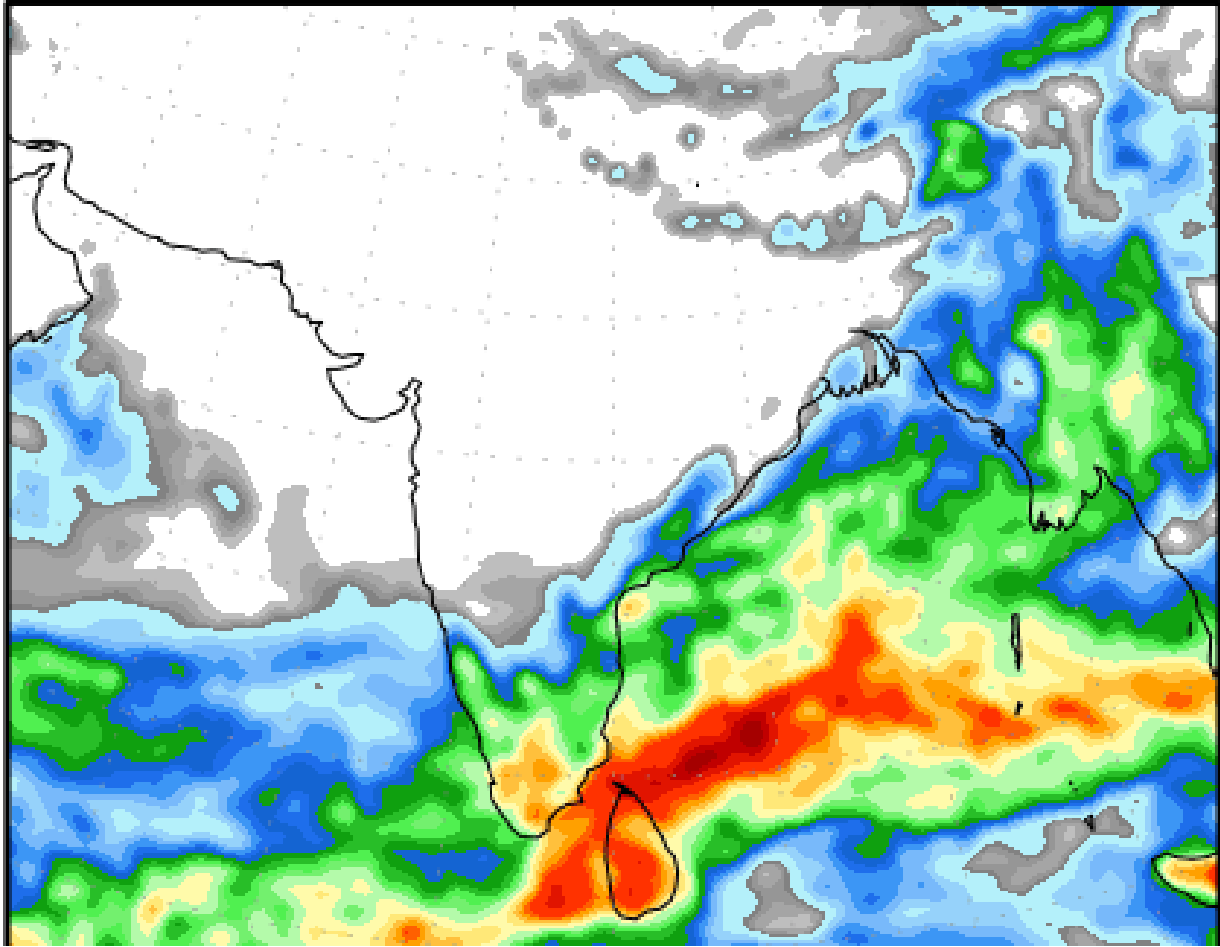


Figure:2. Precipitation forecast for 04 to 12 November 2020 (Source: NOAA NCEP).

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