

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 06 November 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The Severe Cyclonic Storm 'Maha' (Pronounced as M'maha) over eastcentral & adjoining northeast Arabian Sea moved eastwards with a speed of 21 kmph during past 06 hours, weakened into a Cyclonic Storm and lay centered at 1730 hours IST of today, the 6th November, 2019 over eastcentral & adjoining northeast Arabian Sea near Latitude 19.7°N and Longitude 67.7°E, about 300 km southwest of Porbandar (Gujarat), 310 km west-southwest of Veraval (Gujarat) and 350 km westsouthwest of Diu. It is very likely to move east-northeastwards, weaken further into a Deep Depression by morning of tomorrow, the 7th November, over northeast & adjoining eastcentral Arabian Sea. It is very likely to skirt Saurashtra coast and lie centered about 40 km south of Diu around noon of 7th November as a Deep Depression. Continuing to move eastnortheastwards, It is very likely to weaken further into a depression by tomorrow evening.
- The Deep Depression over eastcentral & adjoining southeast Bay of Bengal moved slightly northwards with a speed of 02 kmph during 06 hours and lay centered at 1730 hours IST of today, the 6th November, 2019, over eastcentral & adjoining southeast Bay of Bengal, near Latitude 13.5°N and Longitude 89.3°E, about 400 km west-northwest of Maya Bandar (Andaman Islands), about 810 km south-southeast of Paradip (Odisha), 920 km south-southeast of Sagar Islands (West Bengal) and 950 km south-southwest of Khepupara (Bangladesh).
- It is very likely to intensify into a Cyclonic Storm during next 12 hours and into a Severe Cyclonic Storm during the subsequent 24 hours. It is very likely to move northwestwards for some time and then north-northwestwards towards West Bengal and Bangladesh coasts.
- Under the influence of cyclone 'Maha' and its likely interaction with westerly trough, heavy to very heavy rainfall at isolated places is very likely over Gujarat region & Saurashtra coasts during next 48 hours and isolated heavy falls likely over Jammu & Kashmir during next 48 hours and over Himachal Pradesh and Punjab on 7th. Storm surge of about 0.5 meter above astronomical tide is likely to

inundate low lying areas of Bhavnagar, Junagarh, Gir Somnath, Amreli, Surat, Bharuch, Anand and Ahmedabad around the time of landfall.

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

Main Weather Observations (IMD)

- Rain/Thundershowers observed (from 0830 hours IST to 1730 hours IST of today): at a few places over Jammu & Kashmir, North Interior Karnataka and Andaman & Nicobar Islands and at isolated places over Madhya Maharashtra and Assam & Meghalaya. Rainfall recorded at 1730 hours IST today (1 cm or more) are: Belgaum-10; Dharwad-1. Thunderstorm observed (from 0830 hours IST to 1730 hours IST of today): at isolated places over Saurashtra & Kutch, Madhya Maharashtra, Konkan & Goa, Interior Karnataka and Kerala & Mahe.
- Maximum Temperature Departures as on 06-11-2019: Maximum temperatures are appreciably above normal (3.1°C to 5.0°C) at a few places over Rayalaseema; at isolated places over Tamilnadu, Puducherry & Karaikal; above normal (1.6°C to 3.0°C) at most places over Coastal Andhra Pradesh & Yanam, South Interior Karnataka and Kerala & Mahe; at a few places over Vidarbha, Telangana and North Interior Karnataka; at isolated places over Haryana, Chandigarh & Delhi and Assam & Meghalaya. They are markedly below normal (- 5.1°C or less) at isolated places over Jammu & Kashmir; appreciably below normal (-3.1°C to - 5.0°C) at isolated places over Uttar Pradesh and Saurashtra & Kutch; below normal (-1.6°C to -3.0°C) at most places over Gujarat Region; at isolated places over Sub- Himalayan West Bengal & Sikkim and Andaman & Nicobar Islands and near normal over rest parts of the country. The highest maximum temperature of 34.5°C recorded at Churu (West Rajasthan).
- Minimum Temperature Departures as on 06-11-2019: Minimum temperatures are markedly above normal (5.1°C or more) at a few places over Gujarat region and at isolated places over East Rajasthan, Saurashtra & Kutch, East Rajasthan and Madhya Pradesh; appreciably above normal (3.1°C to 5.0°C) at many places over West Rajasthan; at a few places over Madhya Maharashtra and at isolated places over Jammu & Kashmir, Punjab, Uttar Pradesh, Vidarbha, Marathwada, Telangana, Odisha and Tamilnadu, Puducherry & Karaikal; above normal (1.6°C to 3.0°C) at most place over Lakshadweep; at many places over North Interior Karnataka; at a few places over Arunachal Pradesh, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim and Coastal Andhra Pradesh & Yanam and at isolated places over Gangetic West Bengal, Coastal & South Interior Karnataka, Rayalseema, Kerala & Mahe and Andaman & Nicobar Islands. They are below normal (-1.6°C to -3.0°C) at a few places over Bihar and near normal over rest

parts of the country. The lowest minimum temperature of 13.5°C recorded at Narnaul (Haryana) and Bareilly (West Uttar Pradesh).

Weather Warning during next 5 days (IMD)

- 06 November (Day 1): Heavy to very heavy rainfall very likely at isolated places over Gujarat state; Heavy rainfall/Snow at isolated places over Jammu & Kashmir and Heavy rainfall at isolated places over Andaman & Nicobar Islands. Thunderstorm accompanied with lightning & hail very likely at isolated places over Jammu & Kashmir; with lighting & squall (speed 40-50 kmph gusting to 60 kmph) at isolated places over Andaman & Nicobar Islands; with lighting & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places over Punjab and with lightning at isolated places over Himachal Pradesh, Rajasthan, Madhya Maharashtra, Konkan & Goa, Coastal Karnataka and Kerala & Mahe. Squally wind, speed reaching 40-50 kmph gusting to 60 kmph, likely over northeast Arabian Sea along & off Gujarat & Maharashtra coasts from evening. Gale winds, speed reaching 80-90 kmph gusting to 100 kmph is likely to prevail over eastcentral & adjoining northeast Arabian Sea. Strong wind, speed reaching 35-45 kmph gusting to 55 kmph over Andaman Islands and north Andaman Sea. Squally winds, speed reaching 50-60 kmph gusting to 70 kmph over eastcentral & adjoining southeast Bay of Bengal. Sea condition likely to be rough to very rough westcentral & adjoining northwest Arabian Sea and along and off Gujarat coast & north Maharashtra coast; phenomenal over eastcentral and adjoining northeast Arabian sea for next 12 hours and high for subsequent 12 hours; very rough to high over eastcentral Bay of Bengal and rough over north Andaman Sea. Fishermen are advised not to venture into central & adjoining north Arabian Sea and and along & off Gujarat coast & north Maharashtra coast; north Andaman Sea & adjoining southeast Bay of Bengal and eastcentral Bay of Bengal.
- 07 November (Day 2): Heavy to very heavy rainfall very likely at isolated places over Gujarat state; Heavy rainfall/Snow at isolated places over Jammu & Kashmir and Heavy rainfall at isolated places over Himachal Pradesh, Punjab and Andaman & Nicobar Islands. Thunderstorm accompanied with lightning & hail very likely at isolated places over Jammu & Kashmir, Punjab and Himachal Pradesh; with lighting & squall (speed 40-50 kmph gusting to 60 kmph) at isolated places over Andaman & Nicobar Islands; with lighting & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places over Haryana, Chandigarh & Delhi and with lightning at isolated places over Rajasthan, West Madhya Pradesh, Vidarbha, Madhya Maharashtra and Konkan & Goa. Gale wind, speed reaching 70-80 kmph gusting to 90 kmph, likely over eastcentral and

adjoining southeast Bay of Bengal. Squally wind, speed reaching 55- 65 kmph gusting to 75 kmph likely along & off Junagarh, Gir Somnath, Diu, Amreli, Bhavnagar, Bharuch, Anand, Ahmedabad and Botad districts and 40-50 kmph gusting to 60 kmph over Porbandar, Rajkot, Navsari, Valsad, Daman & Dadra & Nagar Haveli. Squally wind, speed reaching 50-60 kmph gusting to 70 kmph likely along and off Palghar & Thane districts. Squally wind, speed reaching 55-65 kmph gusting to 75 kmph likely over northeast & adjoining eastcentral Arabian Sea. Sea condition likely to be rough to very rough along & off Gujarat coast & north Maharashtra coast; very rough to high over eastcentral Bay of Bengal. Fishermen are advised not to venture into central & adjoining north Arabian Sea and along & off Gujarat coast & north Maharashtra coast and eastcentral Bay of Bengal.

- 08 November (Day 3): Heavy rainfall very likely at isolated places over Kerala & Mahe and Tamilnadu, Puducherry & Karaikal. Thunderstorm accompanied with lightning very likely at isolated places over South Interior Karnataka, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal. Gale wind, speed reaching 130-140 kmph gusting to 145 kmph, likely over northwest and adjoining central Bay of Bengal. Squally wind, speed reaching 40-50 kmph gusting to 60 kmph likely over northwest Bay of Bengal off Odisha-West Bengal coasts. Sea condition likely to be very high to phenomenal over central and adjoining northwest Bay of Bengal. Fishermen are advised not to venture into westcentral & adjoining north Bay of Bengal along & off Odisha-West Bengal coasts.
- 09 November (Day 4): Heavy rainfall likely at isolated places over Gangetic West Bengal, South Interior Karnataka, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal. Thunderstorm accompanied with lightning at isolated places over South Interior Karnataka, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal. Gale wind, speed reaching 120-130 kmph gusting to 145 kmph, likely over northwest & adjoining central Bay of Bengal. Squally wind, speed reaching 40- 50 kmph gusting to 60 kmph likely over northwest Bay of Bengal off Odisha-West Bengal coasts. Sea condition likely to be very high to phenomenal over central and adjoining northwest Bay of Bengal. Fishermen are advised not to venture into westcentral & adjoining north Bay of Bengal along & off Odisha-West Bengal coasts.
- 10 November (Day 5): Heavy rainfall likely at isolated places over South Interior Karnataka, Kerala & Mahe, south Assam, Gangetic West Bengal, Mizoram & Tripura and Tamilnadu, Puducherry & Karaikal. Gale wind, speed reaching 110-120 kmph gusting to 130 kmph, likely over northwest & adjoining central Bay of

Bengal. Squally wind, speed reaching 40- 50 kmph gusting to 60 kmph likely over northwest Bay of Bengal off Odisha-West Bengal coasts. Sea condition likely to be very high to phenomenal over central and adjoining northwest Bay of Bengal. Fishermen are advised not to venture into westcentral & adjoining north Bay of Bengal along & off Odisha-West Bengal coasts.

- The weather outlook for the period of seven days i.e., 04 to 12 November 2019 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>) rain/thundershower may occur over Some parts of South Peninsular India. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Haryana

Weather condition:

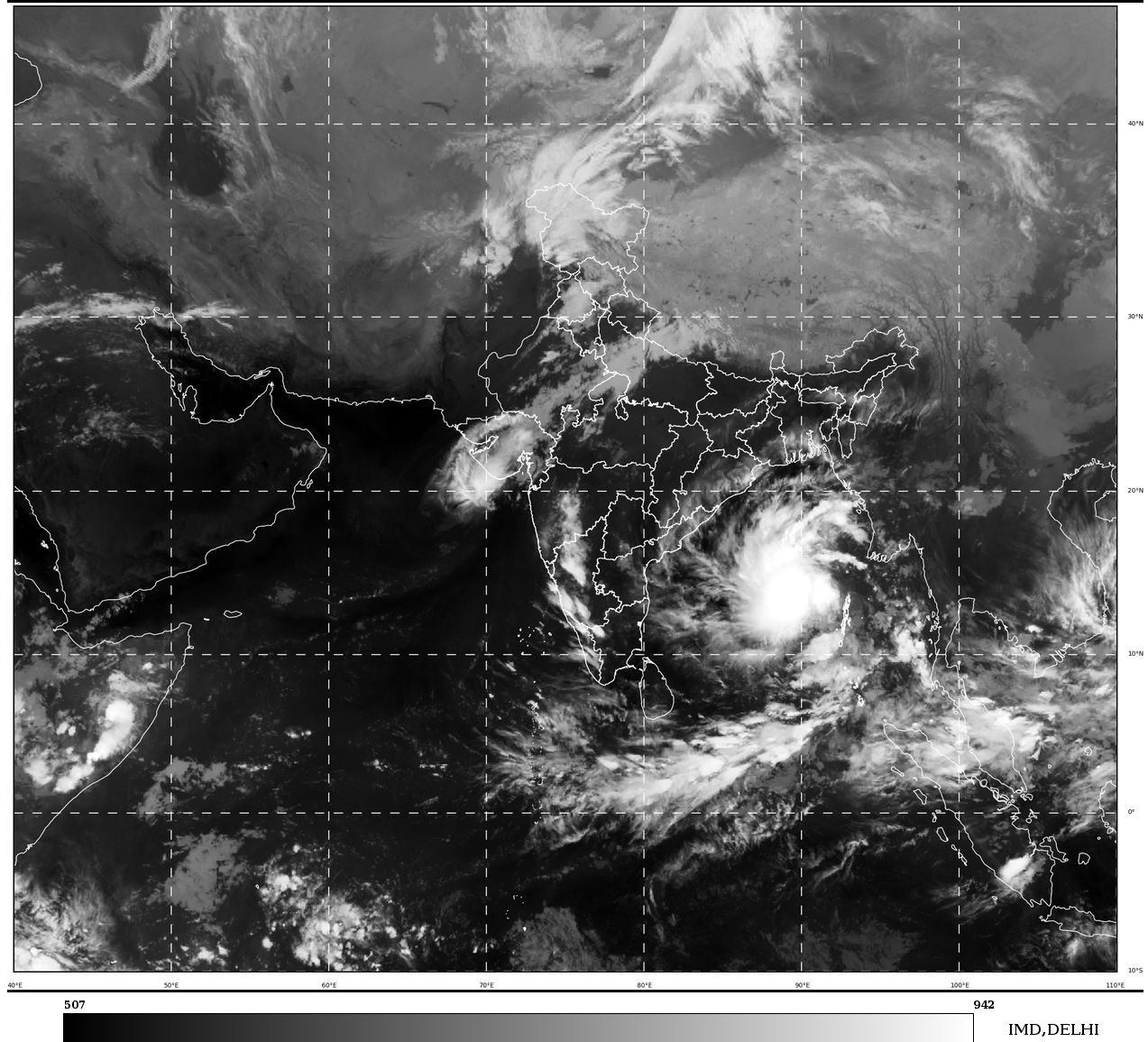
Dry weather prevailed over Haryana State during past few days. The maximum temperature was ranged between 25-33°C and minimum temperature was ranged between 11-18°C.

Contingency measure:

- General Advice: In view of dry weather apply requirement based irrigation in existing crops and harvest mature kharif crops. Make arrangements for sowing of rabi crops.
- Cotton: Complete the picking of cotton.
- Paddy: Harvest the mature crop.
- Mustard: Adopt weed control measures in the crop.
- Fodder/Barseem: Apply requirement based irrigation in view of dry weather
- Livestock: The change in weather condition may make animals vulnerable to some diseases and as preventive measure adopt recommended vaccination schedule. Provide 50 grams iodized salt and 50 to 100 grams mineral mixture daily with animal feed/fodder to keep them healthy..

SAT : INSAT-3D IMG
IMG_TIR2 12.0 um
L1C Mercator

06-11-2019/(1600 to 1626) GMT
06-11-2019/(2130 to 2156) IST



**Figure: 1. Latest available satellite picture as on 06 November 2019 at 2030 Hrs (IST).
(Source: IMD).**

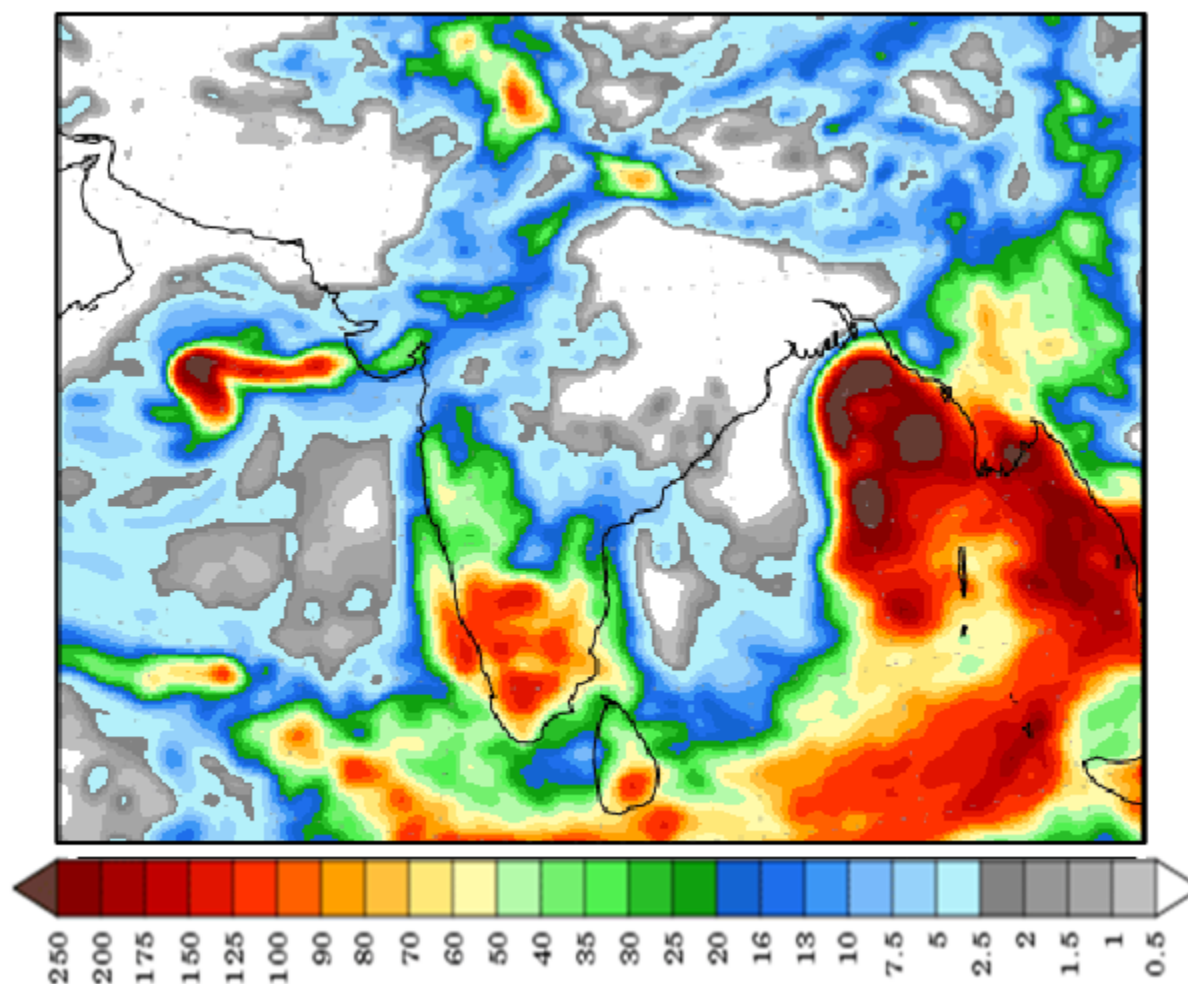


Figure:2. Precipitation forecast for 06 to 14 November 2019 (Source: NOAA NCEP).

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