

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 05 November 2020

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- A cyclonic circulation lies over Gulf of Mannar & adjoining Sri Lanka in lower tropospheric levels and a trough of Low at mean sea level runs from Comorin-Maldives area to Karnataka coast. Under its influence:
 - i) Scattered to fairly widespread rainfall very likely over Tamilnadu & Puducherry and Kerala & Mahe during next 4 days; Isolated to scattered rainfall over Coastal & South Interior Karnataka, Lakshadweep, Andhra Pradesh and Telangana during same period.
 - ii) Isolated heavy to very heavy rainfall with moderate thunderstorm & lightning very likely over Tamil Nadu on today, the 5th November, 2020; Isolated heavy rainfall with moderate thunderstorm & lightning also very likely over Kerala on today, the 5th November, 2020 and over Tamil Nadu during 06th-8th November, 2020.
- Rainfall activity very likely to increase over Adman & Nicobar Islands from 8th November, 2020 with possibility of isolated Heavy falls over Adman Islands on 8th & 9th November, 2020.
- 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 Kerala & Mahe and ; at a few places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal; at isolated places over Assam & Meghalaya, Uttarakhand, Odisha, Rayalseema, Coastal & South Interior Karnataka and Andaman & Nicobar Islands.
- Thunderstorm observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over Arunachal Pradesh, Assam & Meghalaya, Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Rayalseema Andaman & Nicobar Islands and Kerala & Mahe.

- Maximum Temperature Departures as on 04-11-2020: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Odisha; above normal (1.6°C to 3.0°C) at most places over Coastal Andhra Pradesh & Yanam, Rayalseema, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal; at many places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Jharkhand and North Interior Karnataka; at a few places over Assam & Meghalaya, East madhya Pradesh, Vidarbha, Telangana and Saurashtra & Kutch and at isolated places over Andaman & Nicobar Islands and Gangetic West Bengal. They were below normal (-1.5°C to - 3.0°C) at many places over West Utter Pradesh and Arunachal Pradesh; at a few places over Haryana, Chandigarh & Delhi and at isolated places over East Utter 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 05-11-2020: Minimum temperatures are above normal (1.6°C to 3.0°C) at many places over Nagaland, Manipur, Mizoram & Tripura and South Interior Karnataka; at a few places over Assam & Meghalaya, West Rajasthan, Coastal Andhra Pradesh & Yanam, West Rajasthan, Kerala & Mahe, Lakshadweep and Tamil Nadu and Andaman & Nicobar Islands. They are markedly below normal (-5.1C or less) at isolated places over East Rajasthan; appreciably below normal (-3.1°C to - 5.0°C) at many places over East Uttar Pradesh, Haryana, Chandigarh & Delhi and Bihar; at a few places over Marathawada; at isolated places over Uttarakhand and Jharkhand; below normal (-1.5°C to - 3.0°C) at most places over Vidarbha and North Interior Karnataka; at many places over Chhattisgarh, Madhya Pradesh and Sub-Himalayan West Bengal & Sikkim; at a few places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Gangetic West Bengal and Himachal Pradesh and at isolated places over Punjab, Odisha, Madhya Maharashtra and near normal at rest part of the country. The lowest minimum temperature of 7.9°C reported at Ajmer (East Rajasthan) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 05 November (Day 1): Heavy to very heavy rainfall very likely at isolated places over Tamilnadu, Puducherry & Karaikal and heavy rainfall at isolated places over Kerala & Mahe. Thunderstorm with lightning very likely at isolated places over Arunachal Pradesh, Eastern parts of Assam, Nagaland, Coastal Andhra Pradesh & Yanam, Coatsal & South Interior Karnataka, Lakshadweep, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

- 06 November (Day 2): Heavy rainfall very likely at isolated places over Tamil Nadu, Puducherry & Karaikal. Thunderstorm with lightning very likely at isolated places over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.
- 07 November (Day 3): Heavy rainfall very likely at isolated places over Tamil Nadu, Puducherry & Karaikal. Thunderstorm with lightning very likely at isolated places over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.
- 08 November (Day 4): Heavy rainfall likely at isolated places over Andaman & Nicobar Islands and Tamil Nadu, Puducherry & Karaikal. Thunderstorm with lightning likely at isolated places over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.
- 09 November (Day 5): Heavy rainfall likely at isolated places over Andaman & Nicobar Islands.
- The weather outlook for seven days i.e., 05 to 13 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)

West Bengal

Weather condition:

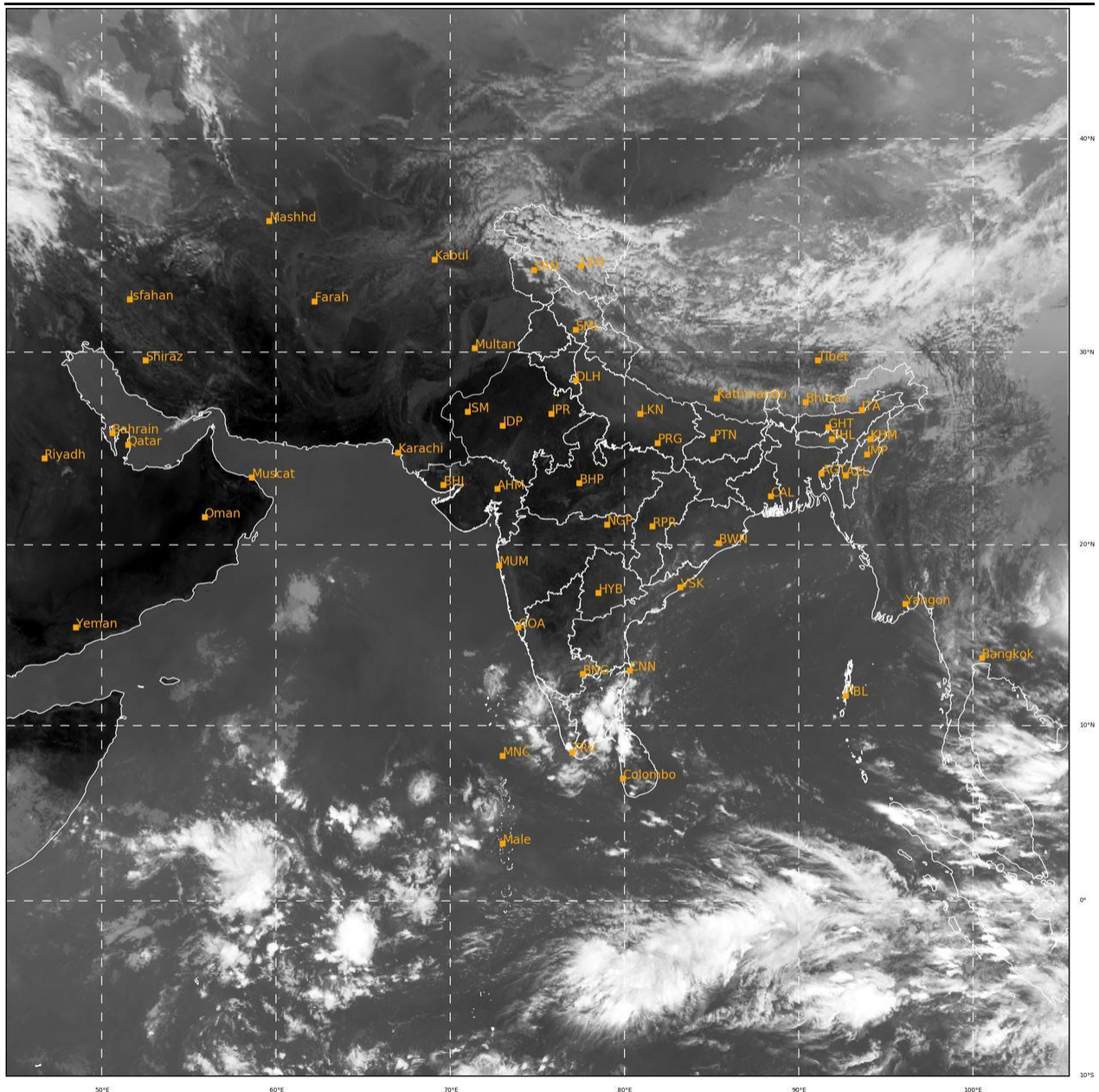
Weather conditions during the 44th week at Mohanpur, West Bengal: Maximum temperature: 31.2 to 32.4 0C, minimum temperature: 19.0 to 24.5 0C, bright sun shine hours: 3.4 to 9.7 hours, Morning-time relative Humidity: 86 to 97 %, after noon-time R.H: 58 to 71%, weekly total pan evaporation: 10.2 mm, total weekly rainfall: 16.0 mm and average daily wind speed is around 1.12 km/h.

Contingency measure:

- Aman Rice: As there is no chance of rainfall and clear sky is expected for coming days, complete aman rice harvesting as early as possible. In late transplanted aman paddy, BPH may becoming severe. To control BPH (If it cross 10 insects per hill) apply Diclorovos or Carbaryl @ 1 ml per litre of water. In this weather Blast disease may also found. To prevent the disease apply Tricyclazole 0.6 gm or Hexaconazole @ 1ml per litre of water.
- Chilli: Present temperature and humidity conditions are congenial for the rapid spread of thrips and mites leading to the leaf curling in chilli. As a control spray Difenthiuron @ 0.75g per litre of water at 7-10 days interval.
- Boro-rice: Start nursery bed preparation. Also start collecting seeds of improved varieties. Treat the seeds with mercurial pesticide. Soak the seeds in carbendazim mixed water (@ 1gm in 1.5 litre water) and dry under shade.
- Potato: Start preparation of land for planting of potato.
- Mustard: Start sowing. Maintain seed rate as 1kg per hectare. Before final land preparation, apply 11.5 kg Urea, 33 kg SSP and 8.5 kg MOP per Bigha.

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

05-11-2020/(0800 to 0827) GMT
05-11-2020/(1330 to 1357) IST



361

940

IMD, DELHI

Figure: 1. Latest available satellite picture as on 05 November 2020 at 1357 Hrs (IST). (Source: IMD).

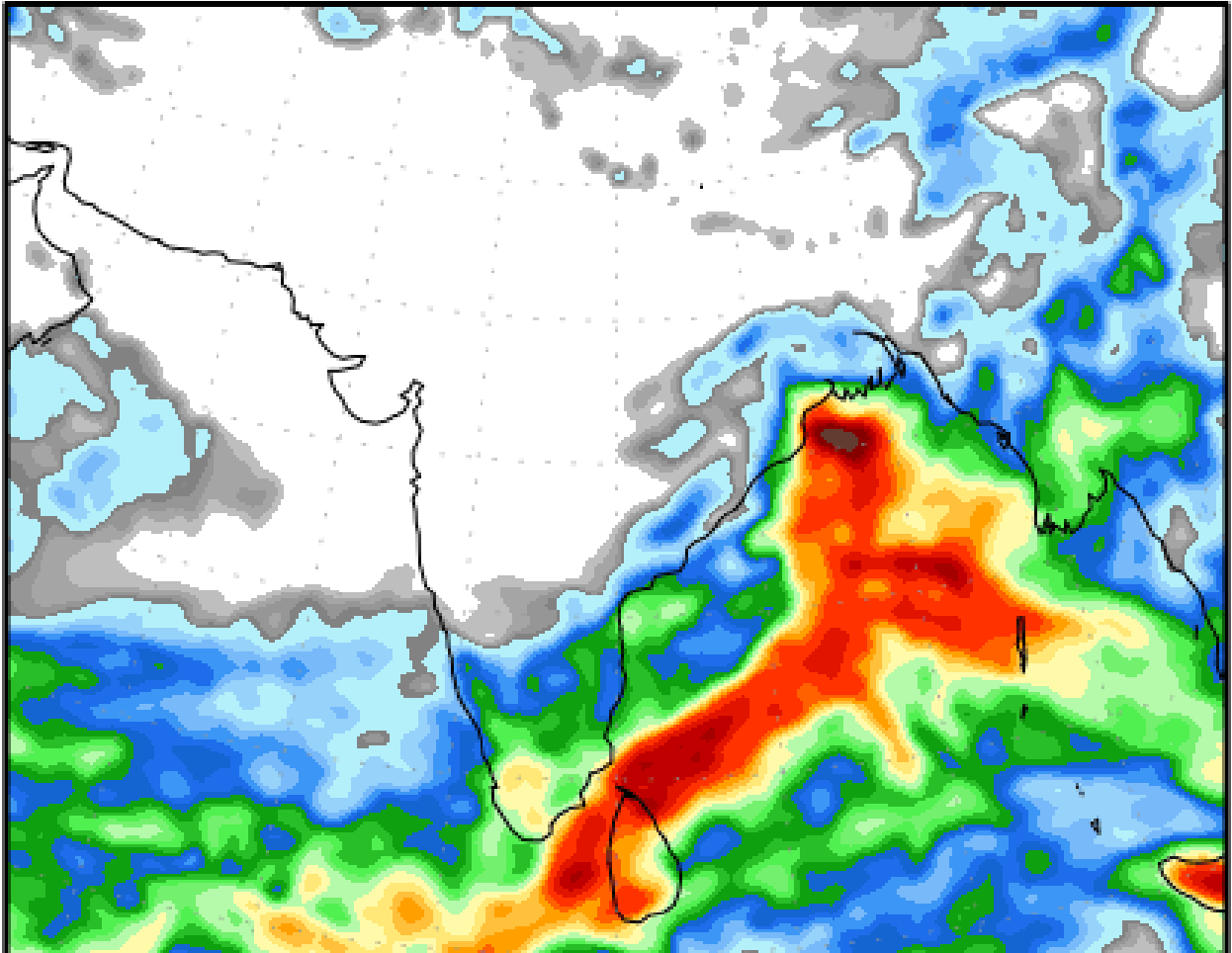


Figure:2. Precipitation forecast for 05 to 13 November 2020 (Source: NOAA NCEP).

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