

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 08 March 2022

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Significant Weather Features (IMD)

- Weather systems and Warnings:
- Due to wind confluence and a trough in easterlies runs from Southeast Arabian Sea off Kerala coast to Konkan coast in lower tropospheric levels. Under its influence:
 - i) Isolated/scattered light to moderate rainfall/thundershowers very likely to continue over Kerala & Mahe during next 5 days and over Coastal & South Interior Karnataka during next 3 days.
 - ii) Isolated light/moderate rainfall with thunderstorm/lightning/gusty winds very likely to continue over Maharashtra, Gujarat Region, East Rajasthan and West Madhya Pradesh during 08th to 10th March.
 - iii) Isolated hailstorm very likely over north Madhya Maharashtra on 08th & 09th March and adjoining Marathawada on 09th March, 2022.
- A fresh Western Disturbance as a trough in middle & upper tropospheric westerlies runs along Long.55°E to the north of Lat. 32°N. Under its influence, isolated light/moderate rainfall/snowfall very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 08th & 09th March, 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 to 0830 hours IST of today): at many places over JammuKashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at a few places over Tamil Nadu-Puducherry-Karaikal and at isolated places over West Madhya Pradesh, Gujarat Region, Madhya Maharashtra and Kerala-Mahe.
- Thunderstorm observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over West Madhya Pradesh and Kerala & Mahe.
- Heavy Rainfall observed at isolated places over Tamil Nadu-Puducherry-Karaikal.

- Maximum Temperature Departures (as on 07-03-2022): Maximum temperatures were markedly above normal (5.1°C or more) at a few places over Assam & Meghalaya; at isolated places over Sub-Himalayan West Bengal & Sikkim and Arunachal Pradesh; appreciably above normal (3.1°C to 5.0°C) at many places over Nagaland, Manipur, Mizoram & Tripura; at isolated places over Saurashtra & Kutch and Konkan & Goa; above normal (1.6°C to 3.0°C) at most places over Coastal Karnataka; at many places over Gujarat Region; at a few places over Haryana, Chandigarh & Delhi and Kerala & Mahe; at isolated places over Himachal Pradesh, West Rajasthan, West Madhya Pradesh, Vidarbha and Coastal Andhra Pradesh & Yanam. They were markedly below normal (-5.1°C or less) at a few places over Tamilnadu-Puducherry-Karaikal; appreciably below normal (-3.1°C to -5.0°C) at many places over Rayalaseema; at isolated places over East Uttar Pradesh; below normal (-1.6°C to -3.0°C) at isolated places over West Uttar Pradesh, Madhya Maharashtra, Telangana and South Interior Karnataka and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 38.0°C was reported at Nalgonda (Telangana) over the country.
- Minimum Temperature Departures (as on 08-03-2022): Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at most places over Gujarat Region; at many places over Saurashtra & Kutch; at a few places over West Madhya Pradesh; at isolated places over Himachal Pradesh, West Rajasthan, Konkan-Goa and Assam-Meghalaya; above normal (1.6°C to 3.0°C) at many places over East Rajasthan and Madhya Maharashtra; at a few places over Sub-Himalayan West Bengal & Sikkim, Marathwada, Kerala-Mahe and Andaman & Nicobar Islands; at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Haryana-Chandigarh-Delhi and Tamilnadu-Puducherry-Karaikal. They are below normal (-1.6°C to -3.0°C) at a few places over East Madhya Pradesh, Gangetic West Bengal, Odisha and Rayalaseema; at isolated places over Coastal Andhra Pradesh-Yanam and near normal over rest parts of the country. Today, the lowest minimum temperature of 9.5°C is reported at Pantnagar (Uttarakhand) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 08 March (Day 1): Thunderstorm accompanied with lightning, hail & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places very likely over north Madhya Maharashtra; with lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places over West Madhya Pradesh, Marathwada and southeast Rajasthan and with lightning at isolated places over Gujarat Region, Konkan-Goa, Andaman & Nicobar Islands and Kerala-Mahe.

- 09 March (Day 2): Thunderstorm accompanied with lightning, hail & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places very likely over north Madhya Maharashtra and Marathwada; with lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places over West Madhya Pradesh and southeast Rajasthan and with lightning at isolated places over Vidarbha, Konkan-Goa and Andaman & Nicobar Islands.
- 10 March (Day 3): No weather warning.
- 11 March (Day 4): No weather warning.
- 12 March (Day 5): No weather warning.
- The weather outlook for seven days i.e., 08 Mar to 16 Mar 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)

Assam

Weather condition:

Weather during the last week was mainly clear. Daily average maximum temperature was 26.3°C which was 1.5 above normal and the average daily minimum temperature was 12.4°C which was 1.6 below normal for the week. Total BSSH was 33.5 hrs with an average of 6.7 hrs. The daily average evaporation rate was 2.0 mm/day and the average daily wind speed during the week 2.0 kmph. Daily average RH during morning and afternoon hour was 97.2% and 48.7% respectively.

Contingency measure:

- Boro rice (Vegetative stage): Farmers can go for top dressing the boro rice crop with 3 kg urea per bigha. Taking advantage of the predicted fair weather condition farmers can continue spraying of pesticide like Flubendiamide 39.35 SC (@ 1.25 ml per 10 lit of water) against moderate infestation of stem borer in the crop. Generally, about 50-60 lit water is required for spraying in one bigha area of land. Alternatively, farmers can go for dusting of Chlorantraniliprole 0.4G (@ 1.5 kg per bigha) to control the pest.
- Sugarcane (Planting): Considering favourable weather condition, plant the sugarcane setts in main field during February-March. Select a fertile upland for planting the setts. Plough the land thoroughly and dig furrows of about 25 cm wide and 20 cm deep at a distance of 2.5-3 feet for planting the setts.
- Potato (Maturity): Farmers may start harvesting of matured potato crop. While harvesting with khurpi/spade, care should be taken not to injure the potato

tuber.

- Summer Green gram/ Black gram (Land preparation): Continue land preparation for cultivation of green gram and black gram. To obtain higher yield, select recommended varieties like K 851, Pratap (SG-1) etc. for green gram and Pant U 19, SBC 40 etc. for black gram cultivation.
- Ginger: Farmers can start land preparation for cultivation of ginger. Seed rhizome with one or two good buds weighing about 5 g @ 3.0q/bigha required for planting. Maintain 30cm distance in between rows and 10 cm in between plants. Apply 1.3 t FYM, 2.95 kg Urea, 50.4 kg SSP, 4.5 KG MOP/bigha as basal.
- Chicken: Vaccinate the poultry birds to control the Ranikhet & Gumboro diseases during this period. For Ranikhet disease first vaccine at the age of 5-7 days and second vaccine at the age of 21-25 days. As for Gumboro disease vaccine should be taken at the age of 12-14 days.
- Fishery: It is time to prepare the ponds for new batch of fishes. Dry up the bottom of the ponds for 15-20 days when rainfall recedes and remove the upper layer of the bottom soil followed by ploughing and addition of lime. After 7-15 days of application of lime, add cow dung and other fertilizers after proper consultation with fishery extension officer.

SAT : INSAT-3D IMG
IMG_TIR1 10.8 um
L1C Mercator

08-03-2022/(0800 to 0827) GMT
08-03-2022/(1330 to 1357) IST

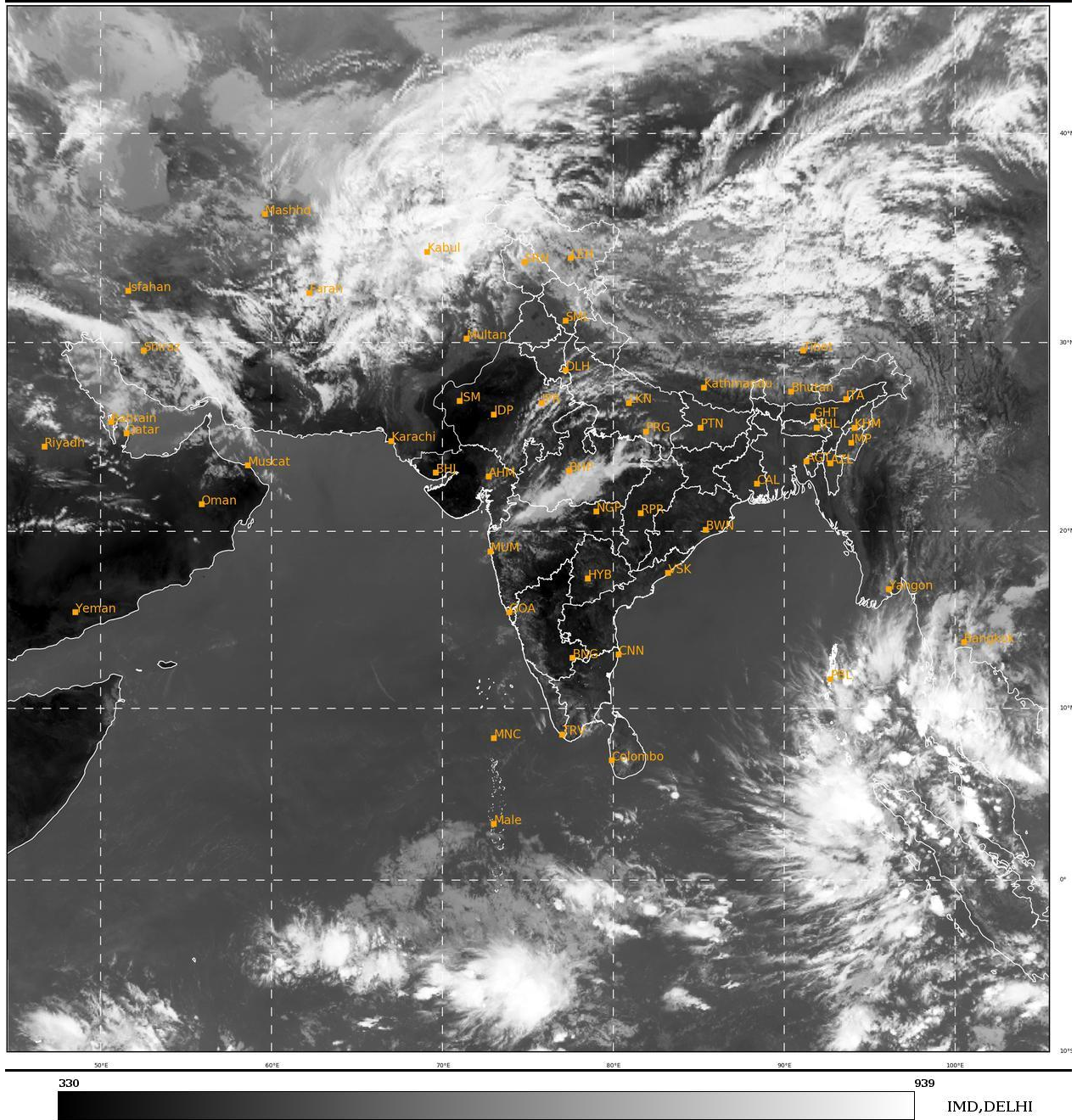


Figure: 1. Latest available satellite picture as on 08 Mar 2022 at 1357 Hrs (IST). (Source: IMD).

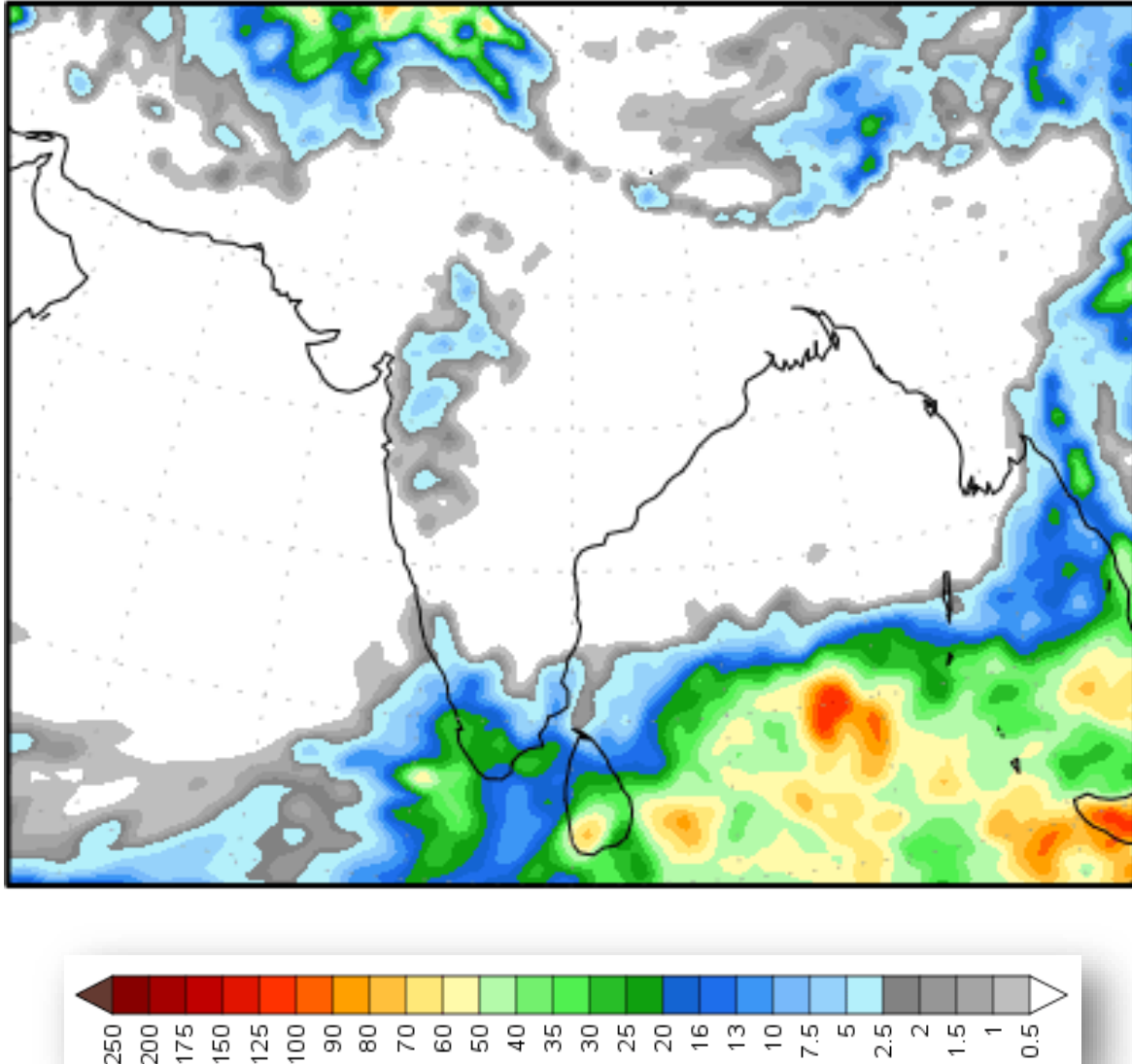


Figure:2. Precipitation forecast for 08 Mar to 16 Mar 2022 (Source: NOAA NCEP).

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