

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 23 March 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Parts of East & Northeast India is likely to experience isolated thundersqualls during next 24 hours.
- Hailstorms were reported at isolated places over Sikkim yesterday.
- Day maximum temperatures remained above 40°C at isolated places over Rayalaseema, Telangana, Tamilnadu and Odisha yesterday.
- Thunderstorm observed at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Sikkim, Kerala, Tamilnadu, Jharkhand and Assam & Meghalaya from 0830 hours IST of yesterday to 0830 hrs IST of today.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall recorded from 0830 hours IST of yesterday to 0830 ♦ hours IST of today Rain/Thundershowers observed at most places over Arunachal Pradesh; at many places over Himachal Pradesh and Assam & Meghalaya; at a few places over Jammu & Kashmir and Uttarakhand and at isolated places over West Bengal & Sikkim, Jharkhand, Punjab, Coastal Andhra Pradesh, Telangana, Rayalaseema, Tamilnadu and Kerala. Amount of Rainfall recorded at 0830 hours IST of today (1 cm or more) were: Tirupur5; Gangtok4; Deomali2 and Kochi, Solan, Tehri, Mukteshwar Kumaon, Kalimpong, Pet Jorhat, Tezpur, Guwahati, Rangial each.
- Maximum temperature departures as on 22032018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated place over Jammu & Kashmir, Uttar Pradesh and Tamilnadu; above normal (1.6°C to 3.0°C) at a few place over Jammu & Kashmir, Jharkhand, West Uttar Pradesh, Bihar, Odisha, Chhattisgarh and Tamilnadu; at isolated places over Uttarakhand, East Uttar Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, East Madhya Pradesh, Coastal Andhra Pradesh and Coastal Karnataka. They are appreciably below normal (3.1° C to 5.0° C) at isolated places over Uttarakhand and Rajasthan and below normal (1.6° C to 3.0° C) at many places over Gujarat region; at a few places over Rajasthan, West Madhya Pradesh; at isolated places over Saurashtra &

Kutch, Konkan & Goa, Madhya Maharashtra, North Interior Karnataka and Kerala and near normal over rest parts of the country. The highest maximum temperature of 40.0°C recorded at Titlagarh (Odisha), Kothagudem (Rayalaseema), Kurnool (Telangana) and Madurai (Tamilnadu) over the country.

- Minimum temperature departures as on 23032018: Minimum temperatures are above normal (1.6°C to 3.0°C) at many places over West Bengal & Sikkim and Rayalaseema; at a few places over Punjab, Bihar and Tamilnadu; at isolated places over Jammu & Kashmir, Uttar Pradesh, Rajasthan, Madhya Pradesh, Saurashtra & Kutch, Assam & Meghalaya, Odisha and Coastal Andhra Pradesh. They are below normal (1.6° C to 3.0° C) at many places Vidarbha, Madhya Maharashtra and Marathwada; at a few places over Konkan & Goa, Coastal Karnataka and North interior Karnataka; at isolated places over Uttarakhand, East Rajasthan, and Madhya Pradesh and near normal over rest parts of the country. The lowest minimum temperature of 12.2°C recorded at Mandla (East Madhya Pradesh) over the plains of the country.

Weather Warning during next 5 days (IMD)

- 23 March (Day 1): Thunderstorm accompanied with squall very likely at isolated places over West Bengal & Sikkim, Assam & Meghalaya, Tripura, Mizoram and Odisha.
- Thunderstorm accompanied with gusty winds very likely at isolated places over Coastal Andhra Pradesh, Rayalaseema, interior Tamilnadu and Kerala.
- 24 March (Day 2): No Weather Warning.
- 25 March (Day 3): No Weather Warning.
- 26 March (Day 4): Thunderstorm accompanied with gusty winds very likely at isolated places over south coastal Tamilnadu and Assam & Meghalaya.
- 27 March (Day 5): Thunderstorm accompanied with gusty winds very likely at isolated places over Assam & Meghalaya, Mizoram & Tripura.
- The weather outlook for the period of seven days *i.e* 23 March to 31 March 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Jammu & Kashmir, Himachal Pradesh, Punjab, West Rajasthan, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Madhya Pradesh and Kerala. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Chhattisgarh

Weather condition

Mainly dry weather prevailed in Chhattisgarh state during past few days.

Contingency measure:

- Cereal: Farmers are advised to take care of their summer crops like paddy, groundnut, moong and vegetables from insects. Regular monitoring should be done. The summer rice is at tillering stage, top dressing of Nitrogen is advised at this stage.
- Spring sugarcane last phase sowing should be completed by the farmers.
- In summer paddy farmers are advised to fix pheromone traps and light trap nearby the field for the control of stem borer.
- Summer moong should be sown. Looking into the changing season and cloudiness, thrips insects should be monitored. In case of infestation, Imidachloprid @ 0.3 ml per litre water should be sprayed in the afternoon hours.
- Vegetables: Irrigation management should be done efficiently in the summer vegetables. Now a days temperature is conducive for spread and multiplication of insects. Therefore, farmers are advised to monitor insect-pests in okra and brinjal crops.
- If cucurbitaceous vegetables are affected by red pumpkin beetle than farmers are advised to spray Savin @2 gram/liter of water at root zone in morning time.
- Fruit : Irrigate banana and papaya seedlings once a week 2. If the size of fruits has become the size of pea in mango fruits crops, then farmers are advised to give irrigation for the protection against fruits dropping.
- Animal husbandry: For increasing the disease resistance in the cattle, pregnant cows and buffaloes should be fed mineral mixture @ 50-60 grams on daily basis.
- Sorghum / Jowar should be sown for feeding to milch animals during the summer season.

SAT :INSAT-3D IMG
IMG_TIR2 12.0 um
L1C Mercator (LINEAR STRETCH: 1.0%)

23-03-2018/11:30 GMT
23-03-2018/17:00 IST

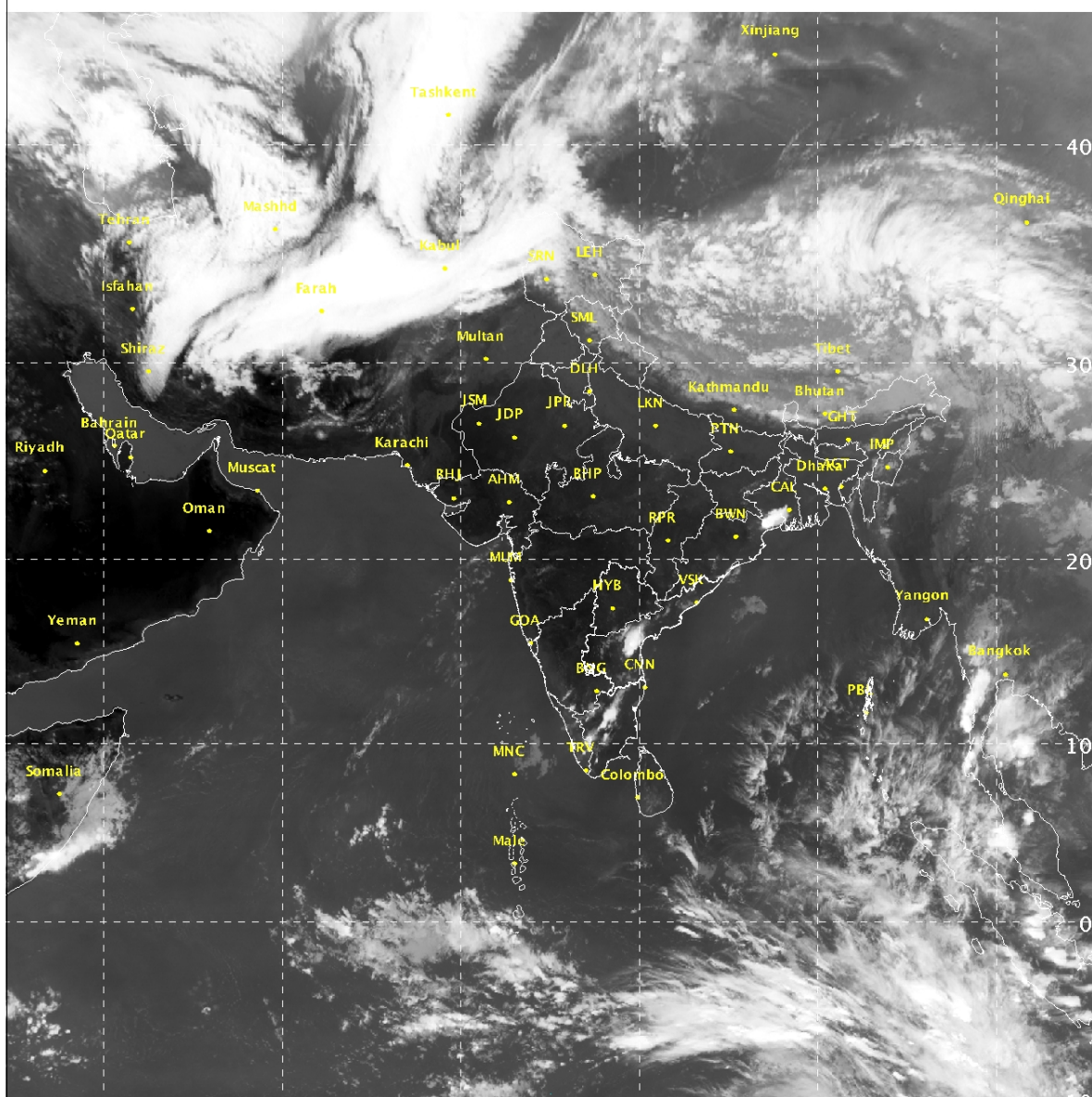


Figure: 1. Latest available satellite picture as on 23 March 2018 at 1700Hrs (IST).
(Source: IMD).

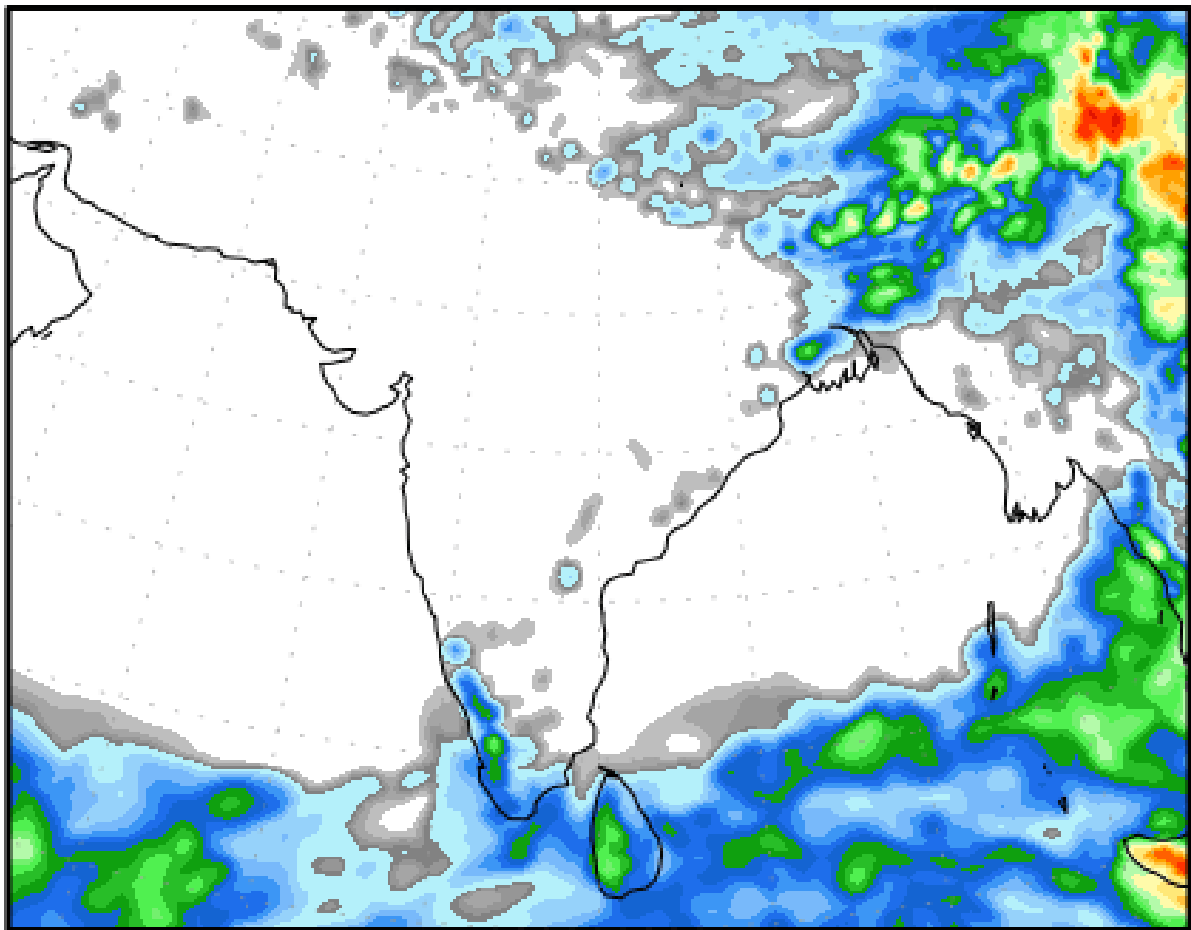


Figure: 2. Precipitation forecast for 23 March to 31 March 2018 (Source: NOAA NCEP).