

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 24 March 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Dry weather is likely to prevail over most parts of the country except Western Himalayan region and Northeast India. The meteorological conditions are becoming conducive for rise in maximum temperatures by 23°C over most parts of the country excluding Northeast and extreme south peninsular India during next 23 days.
- Day maximum temperatures remained above 40°C at isolated places over Odisha, Rayalaseema, Telangana and Tamilnadu yesterday.
- 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 a few places over Assam & Meghalaya; at isolated places over Jammu & Kashmir, West Bengal & Sikkim, north Odisha, interior Tamilnadu and Kerala. Amount of Rainfall recorded at 0830 hours IST of today (1 cm or more) are: Kodaikanal & Coonoor² each and North Lakhimpur¹.
- Maximum temperature departures as on 23/03/2018: Maximum temperatures were markedly above normal (5.1°C or more) at many places over Jammu & Kashmir; appreciably above normal (3.1°C to 5.0°C) at many place over Himachal Pradesh; above normal (1.6°C to 3.0°C) at most places over Uttarakhand, Bihar and Jharkhand; at a few places over Punjab, south Coastal Andhra Pradesh, Rayalaseema, Odisha, Coastal Karnataka and Tamilnadu & Puducherry; at isolated places over West Bengal & Sikkim. They were markedly below normal (5.1° C or less) at isolated places over Arunachal Pradesh and below normal (1.6° C to 3.0° C) at isolated places over East Rajasthan, West Madhya Pradesh, Saurashtra & Kutch, Madhya Maharashtra, Assam & Meghalaya and Kerala and near normal over rest parts of the country. Yesterday's the highest maximum temperature of 40.8°C was recorded at Kothagudem (Telangana) over the country.
- Minimum temperature departures as on 24/03/2018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at a few places over Jharkhand; at isolated places over Haryana, Chandigarh & Delhi, West Uttar Pradesh and West Bengal & Sikkim; above normal (1.6°C to 3.0°C) at most places over Jammu & Kashmir, Punjab, Nagaland, Manipur,

Mizoram & Tripura and Rayalaseema; at many places over Uttarakhand, Coastal Andhra Pradesh and Tamilnadu & Puducherry; at a few places over Himachal Pradesh, Assam & Meghalaya, Saurashtra & Kutch and Andaman Islands; at isolated places over West Rajasthan, north Madhya Pradesh and Odisha. They are appreciably below normal (3.1° C to 5.0° C) at a few places over Telangana, Coastal & North Interior Karnataka; at isolated places over south Konkan & Goa; below normal (1.6° C to 3.0° C) at a few places over East Rajasthan, Madhya Maharashtra, Vidarbha, Marathwada, Chhattisgarh and South Interior Karnataka; at isolated places over south Madhya Pradesh and near normal over rest parts of the country. The lowest minimum temperature of 12.0°C was recorded at Mandla (East Madhya Pradesh) over the plains of the country.

Warning during next 5 days (IMD)

- 24 March (Day 1):Thunderstorm accompanied with gusty winds very likely at isolated places over Assam & Meghalaya, Tripura, coastal Gangetic West Bengal, coastal Odisha, north Coastal Andhra Pradesh, South Interior Karnataka, interior Tamilnadu and Kerala.
- 25 March (Day 2):No Weather Warning.
- 26 March (Day 3):Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya and Mizoram & Tripura.
- 27 March (Day 4):Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya and Mizoram & Tripura.
- 28 March (Day 5):No weather warning.
- The weather outlook for the period of seven days *i.e* 24 March to 01 April 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%)

24-03-2018/12:00 GMT
24-03-2018/17:30 IST

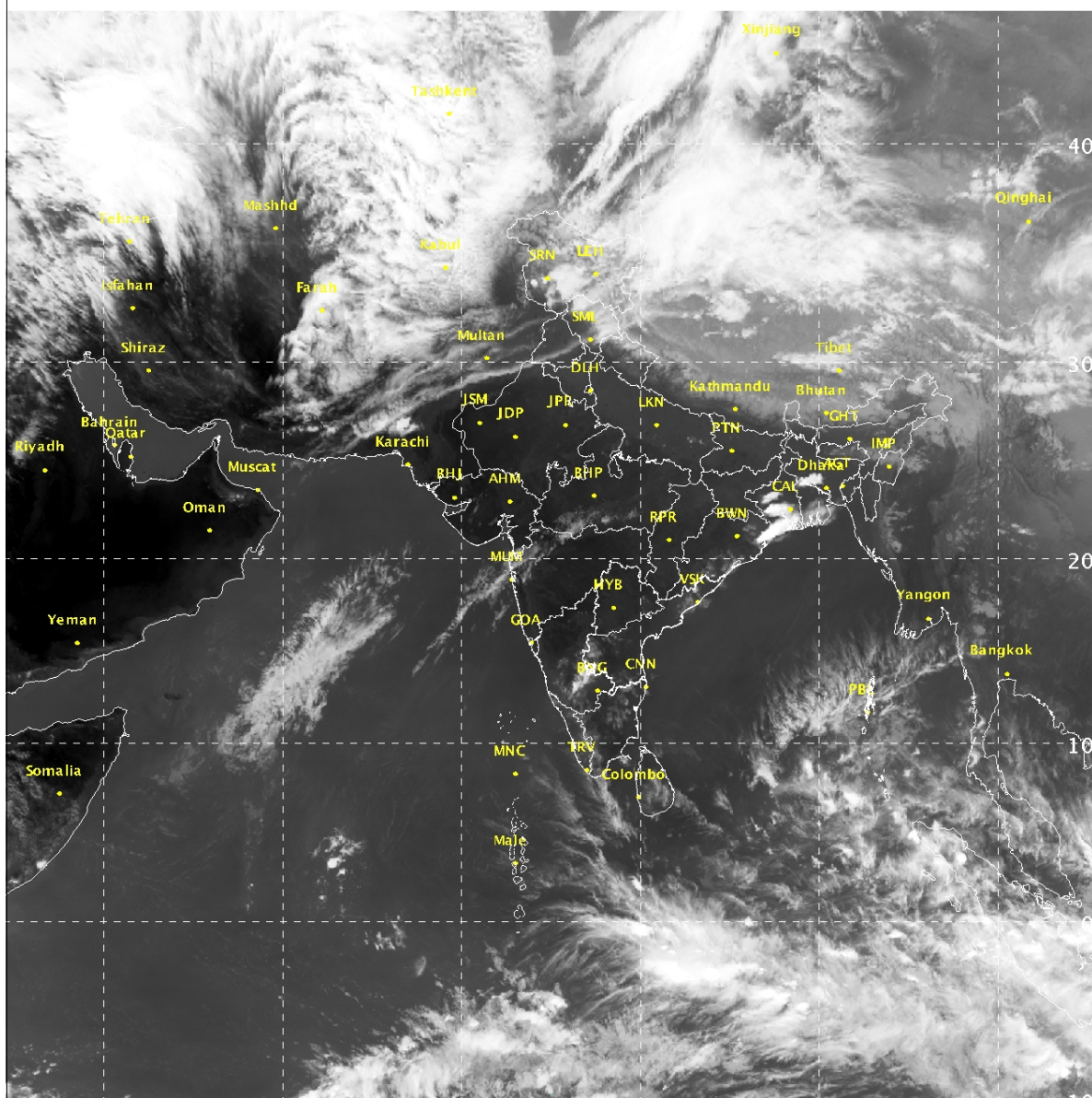


Figure: 1. Latest available satellite picture as on 24 March 2018 at 1730Hrs (IST).
(Source: IMD).

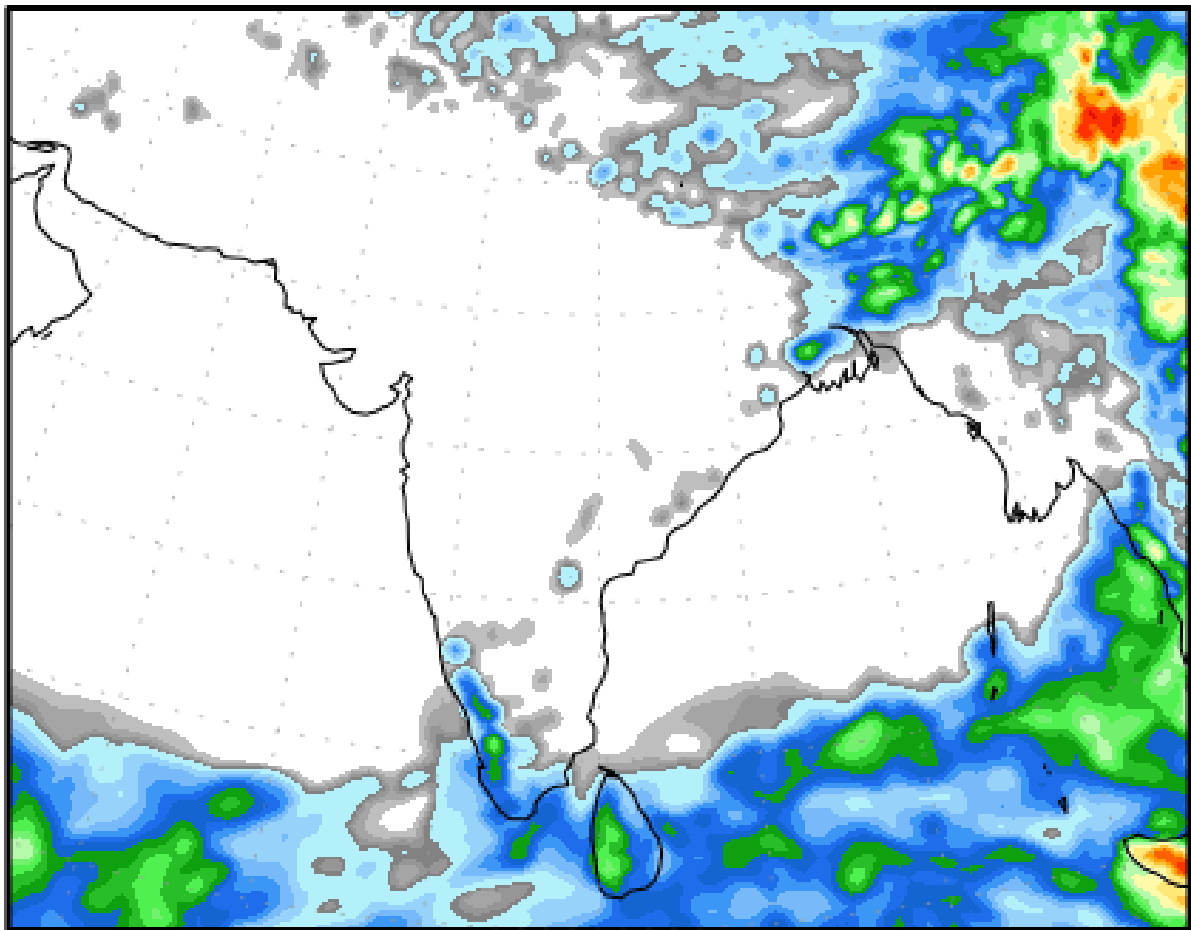


Figure: 2. Precipitation forecast for 24 March to 01 April 2018 (Source: NOAA NCEP).