

# All India Coordinated Research Project on Agrometeorology

## CRIDA, Santoshnagar, Hyderabad – 500 059

### Daily Crop Weather Information as on 22 March 2018

**Attention: Rajiv Maheshwari, OSD, ICAR**

#### Significant Weather Features (IMD)

- The Western Disturbance over northeastern parts of Jammu & Kashmir and neighbourhood is likely to cause isolated rain/snow
- over Western Himalayan region during next 12 hours.
- Parts of East & northeast India is likely to experience isolated thunder squalls on 22nd & 23rd March.
- Thunderstorm observed at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Sikkim, Kerala, Tamilnadu and Jharkhand from 1130 hours IST to 1730 hrs IST of today.
- The images showing the latest satellite picture in figure. 1.

#### Main Weather Observations (IMD)

- Rainfall recorded from 0830 hours IST to 1730 hours IST of today: Rain/Thundershowers observed at a few places over Himachal Pradesh; at isolated place over Jammu & Kashmir, Uttarakhand and Kerala. Amount of Rainfall recorded at 1730 hours IST of today (1 cm or more) are: Mukteshwar Kumaon and Solan1 each.
- Maximum temperature departures as on 22032018: Maximum temperatures are 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. Today, the highest maximum temperature of 40.0°C recorded at Titlagarh (Odisha), Kothagudem (Rayalaseema), Kurnool (Telangana) and Madurai (Tamilndu) each over the country.

- Minimum temperature departures as on 22032018: Minimum temperatures are above normal (1.6°C to 3.0°C) at most places over Jharkhand; at many places over Uttar Pradesh, SubHimalayan West Bengal & Sikkim; at a few places over Jammu & Kashmir, Bihar, Gangetic West Bengal, Chhattisgarh, Rayalaseema, Andaman & Nicobar Islands; at isolated places over Assam & Meghalaya, Odisha, East Rajasthan, Madhya Pradesh & Tamilnadu. They are below normal (1.6° C to 3.0° C) at many places over Madhya Maharashtra; at a few places over rest Madhya Pradesh, Vidarbha, South Interior Karnataka, Konkan & Goa; at isolated places over West Rajasthan, rest Andaman & Nicobar Islands and near normal over rest parts of the country. The lowest minimum temperature of 11.6°C recorded at Amritsar (Punjab) over the plains of the country.

### **Weather Warning during next 5 days (IMD)**

- 22 March (Day 1):Thunderstorm accompanied with hailstorm very likely at isolated places over Sikkim. Thunderstorm accompanied with squall very likely at isolated places over Jharkhand, Odisha, Bihar, West Bengal, Assam & Meghalaya and Mizoram & Tripura. Thunderstorm accompanied with gusty winds very likely at isolated places over Kerala, interior Tamilnadu and South interior Karnataka.
- 23 March (Day 2):Thunderstorm accompanied with squall very likely at isolated
- places over West Bengal & Sikkim, Assam & Meghalaya and Mizoram & Tripura.
- 24 March (Day 3):No Weather Warning.
- 25 March (Day 4):No Weather Warning.
- 26 March (Day 5):No Weather Warning..
- The weather outlook for the period of seven days *i.e* 22 March to 30 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)**

#### **Andhra Pradesh**

#### **Weather condition**

Mainly dry weather prevailed in Andhra Pradesh state during past few days.

### Contingency measure:

- Groundnut: Incidence of sucking pests was observed in some parts of the district in groundnut crop. Farmers are advised to spray, Dimethoate @2ml/lit of water (or) Thiomethoxam @40g/acre for control.
- Groundnut leaf folder incidence was observed in some parts of the district. For the control of leaf folder, farmers are advised to spray Chlorpyriphos @500 ml (or) Flubendamide 40 ml (or) Monocrotophos 320 ml is mixed with 200 liters of water.
- Paddy: Rice leaf folder incidence was observed in some parts of the district. For the control of leaf folder, farmers are advised to spray Chlorpyriphos @2 ml/lit. Stem borer incidence was observed in some parts of the district. For the control of stem borer, farmers are advised to spray Chlorpyriphos @2.5ml/lit (or) Acephate 1.5 g/lit (or) Cartap hydrochloride 2.0g/lit of water is recommended.
- Castor: In rabi castor crop, sucking pests incidence like thrips is observed. For the control of sucking pests, farmers are advised to spray Acephate 1.5 g /lit.
- Maize: Leaf blight incidence is observed in some parts of the district. For control, farmers are advised to apply mancozeb 2.5g/lit of water. Stem borer incidence is observed in some parts of the district. Farmers are advised apply carbofuran granules 3kgs/acre for control of stem borer. Incidence of powdery mildew and fruit rot is observed in some parts of the district. For control, farmers are advised to spray azoxystrobin 1ml/lit or karathane 1ml+mancozeb 2 g/lit of water is recommended.
- Chillies: Incidence of chilli midge is observed in some parts of the district. For control, farmers are advised to spray triazophos 2ml/lit of water.

SAT :INSAT-3D IMG  
IMG\_TIR2 12.0 um  
L1C Mercator (LINEAR STRETCH: 1.0% )

22-03-2018/14:30 GMT  
22-03-2018/20:00 IST

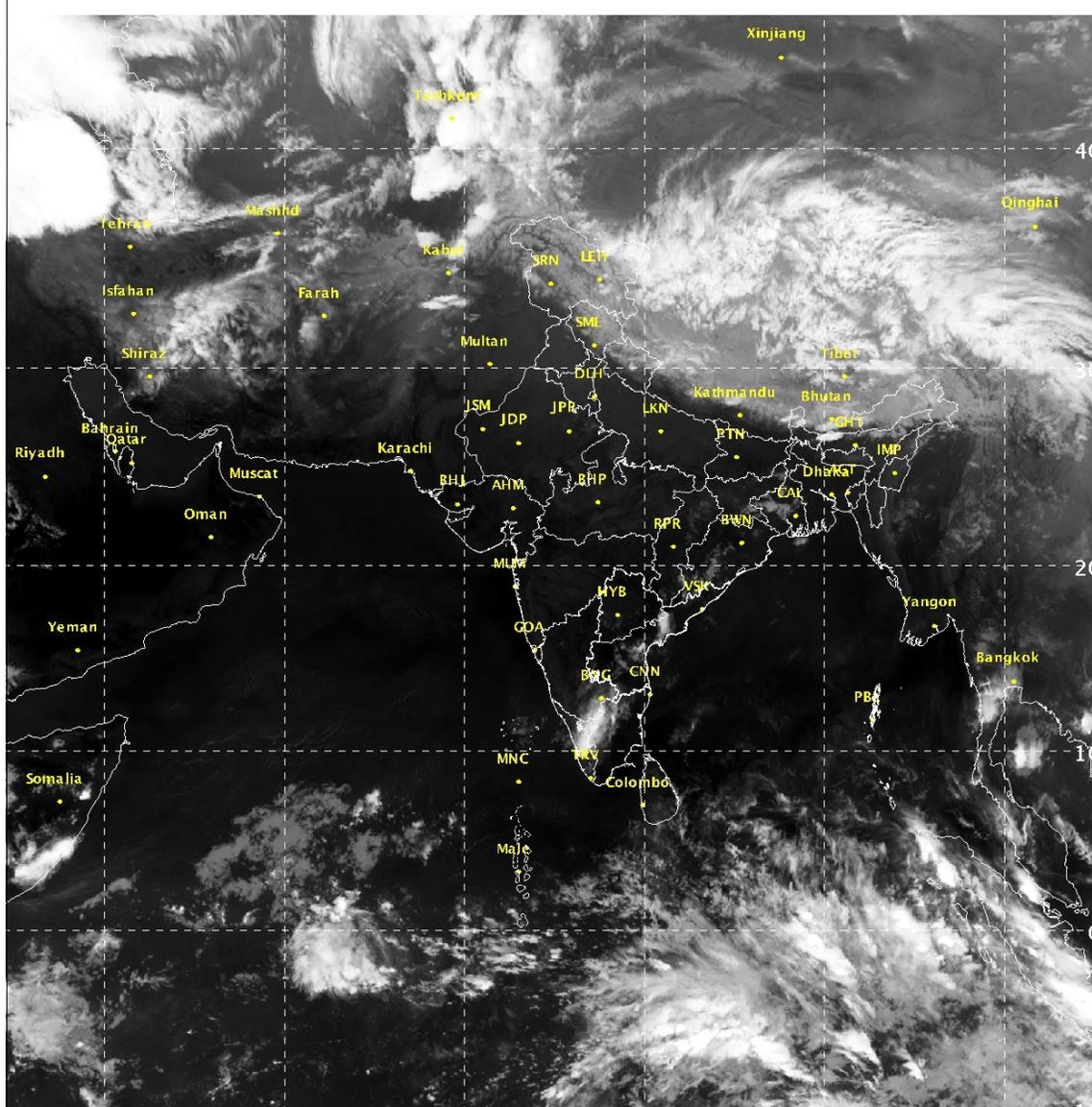


Figure: 1. Latest available satellite picture as on 22 March 2018 at 0230 Hrs (IST).  
(Source: IMD).

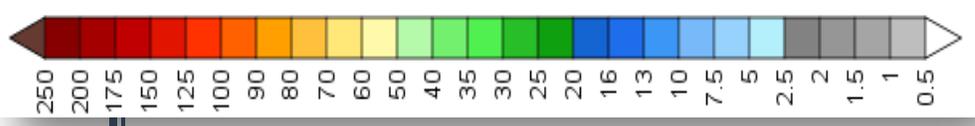
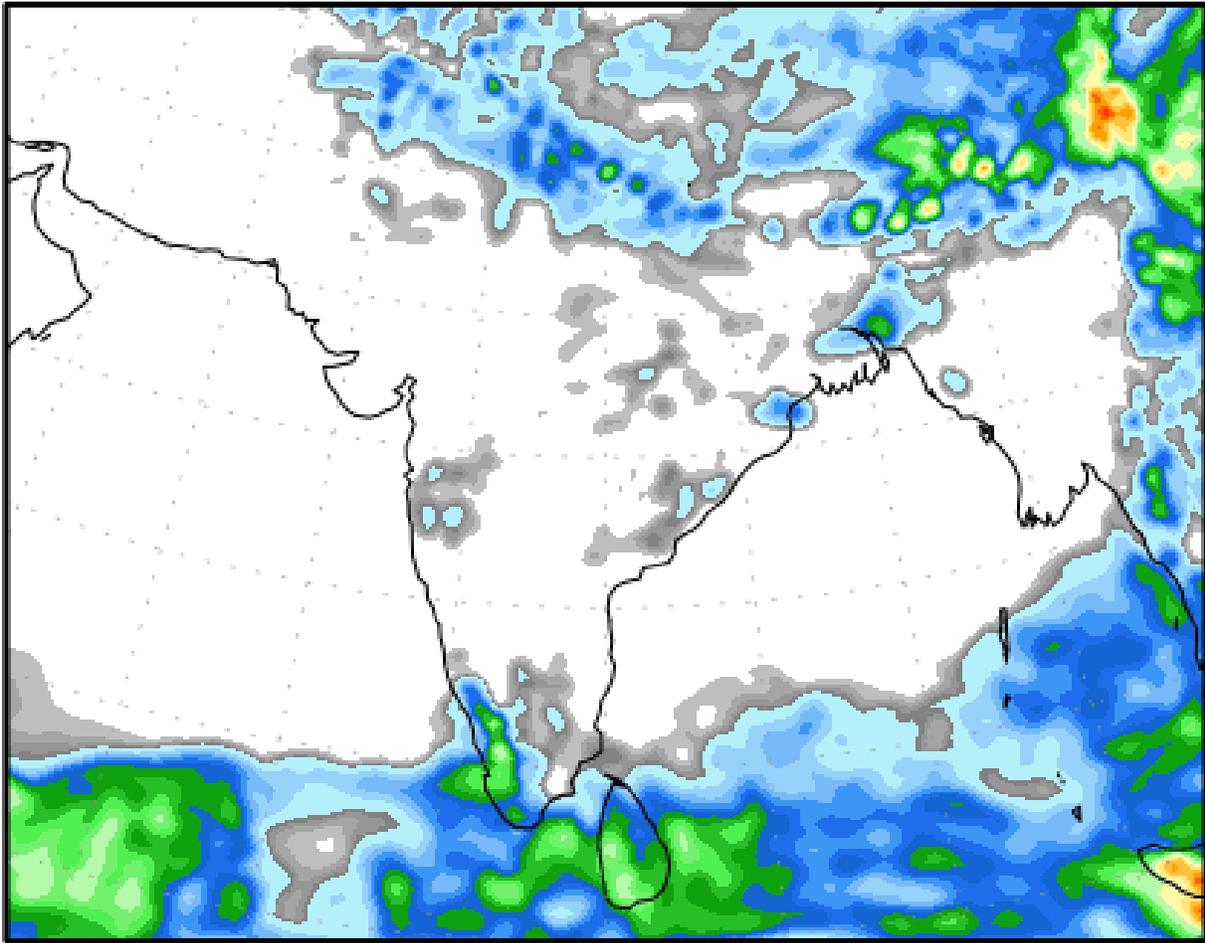


Figure: 2. Precipitation forecast for 22 March to 30 March 2018 (Source: NOAA NCEP).