

# **All India Coordinated Research Project on Agrometeorology**

## **CRIDA, Santoshnagar, Hyderabad – 500 059**

### **Daily Crop Weather Information as on 07 June 2018**

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

#### **Significant Weather Features (IMD)**

- Southwest Monsoon has further advanced into some more parts of Central Arabian Sea, remaining parts of Coastal Karnataka, most parts of South Interior Karnataka, Goa and some parts of North Interior Karnataka. Conditions are favorable for further advance of Southwest Monsoon into some more parts of Maharashtra, Telangana & Coastal Andhra Pradesh in subsequent 48 hours.
- Strengthening of south west monsoon and likely formation of a low pressure system over the Bay of Bengal has enhanced rainfall activity with heavy to very heavy and isolated extremely heavy rainfall is expected along the west coast during 8th-11th June.
- Heavy rainfall occurred at isolated places over Assam & Meghalaya, Telangana, Coastal Andhra Pradesh, Coastal Karnataka, north Tamilnadu and Andaman & Nicobar Islands during past 24 hours ending at 0830 hours IST of today.
- The images showing the latest satellite picture in figure. 1.

#### **Main Weather Observations (IMD)**

- Rainfall observed (from 0830 hours IST of yesterday to 0830 hours IST of today): Rain/thundershowers observed at most places over Nagaland, Manipur, Mizoram & Tripura, Arunachal Pradesh, Konkan & Goa, Madhya Maharashtra, Marathwada, Coastal & North Interior Karnataka, Lakshadweep, Kerala and Andaman & Nicobar Islands; at many places over West Uttar Pradesh, Sub Himalayan West Bengal & Sikkim, Assam & Meghalaya, Chhattisgarh, Telangana and Coastal Andhra Pradesh; at a few places over Uttarakhand, East Madhya Pradesh, Vidharbha, Rayalaseema, South Interior Karnataka and Tamil Nadu & Puducherry; at isolated places over Himachal Pradesh, Haryana, Punjab, East Uttar Pradesh, Gangetic West Bengal, Odisha and West Madhya Pradesh.
- Amount of rainfall recorded at 0830 hours IST yesterday (4 cm or more) are: Machilipatnam, Vellore, North Lakhimpur, Golaghat, Jorhat, Karwar & Carnicobar,

Kurnool, Portblair, Khargone, Yeotmal, Shirali, Cochin, Nasik, Alibag, Vijaywada & Mayabandar.

- Maximum temperatures were markedly above normal ( 5.1°C or more) at isolated places over east Assam; appreciably above normal (3.1°C to 5.0°C) at many places over many places over SubHimalayan West Bengal & Sikkim; at a few places over East Rajasthan; at isolated places over Saurashtra & Kutch and West Madhya Pradesh; above normal (1.6°C to 3.0°C) at a few places over West Rajasthan, Gujarat region, Bihar, Konkan & Goa and Kerala; at isolated places over east Madhya Pradesh and Tamilnadu & Puducherry. They were markedly below normal (5.1°C or less) at most places over Punjab; at a few places over Coastal Andhra Pradesh; at isolated places over West Uttar Pradesh; appreciably below normal (3.1°C to 5.0°C) at a few places over Haryana, Chandigarh & Delhi; at isolated places over Telangana; below normal (1.6°C to 3.0°C) at a few places over Himachal Pradesh, Uttarakhand and Marathwada; at isolated places over Chhattisgarh & Odisha and near normal over the rest of the country. Yesterday, the highest maximum temperature of 44.9°C recorded at Barmer (West Rajasthan) over plains of the country.
- Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at a few places over Jammu & Kashmir, east Rajasthan & Bihar, at isolated places over Himachal Pradesh. West Rajasthan, West Madhya Pradesh & East Uttar Pradesh; above normal (1.6°C to 3.0°C) at most places over Uttarakhand and SubHimalayan West Bengal & Sikkim; at many places over Saurashtra & Kutch; at a few places over Gujarat region; at isolated places over Gangetic West Bengal, Assam & Meghalaya, Nagaland Manipur, Mizoram & Tripura and Madhya Maharashtra. They are appreciably below normal (03.1°C to 5.0°C) at isolated places over Coastal Andhra Pradesh; below normal (1.6°C to 3.0°C) at a few places over Vidharbha & Telangana; at isolated places over East Madhya Pradesh, north Konkan & Goa and Tamil Nadu & Puducherry and Coastal Andhra Pradesh and near normal over rest of the country.

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

- **07 June (Day 1):** Extremely heavy rain at isolated places of Coastal Karnataka, over Konkan & Goa, at isolated places over Telangana, over SubHimalayan West Bengal , Sikkim, Odisha, Andaman & Nicobar islands, Assam & Meghalaya, Madhya Maharashtra, interior Karnataka and Kerala.
- **08 June (Day 2):** Heavy to very heavy rain at a few places with extremely heavy rain at isolated places very likely over south Konkan & Goa and Coastal Karnataka.

- **09 June (Day 3):** Heavy to very heavy rain expected at isolated places over Madhya Maharashtra and Coastal Karnataka, over Vidarbha, Odisha, Gangetic West Bengal, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Interior Karnataka and Kerala
- **10 June (Day 4):** Heavy to very heavy rain very likely at a few places over Konkan, over Vidarbha, Chhattisgarh, Gangetic West Bengal, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Karnataka and Kerala.
- **11 June (Day 5):** Heavy rain expected at isolated places over Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal & South Interior Karnataka and Kerala.
- The weather outlook for the period of eight days *i.e* 07 June to 15 June 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) Light rainfall expected over coastal Andhra Pradesh, Telangana, some parts of Tamil Nadu (Fig. 2).

#### Agricultural activities (AICRPAM-CRIDA)

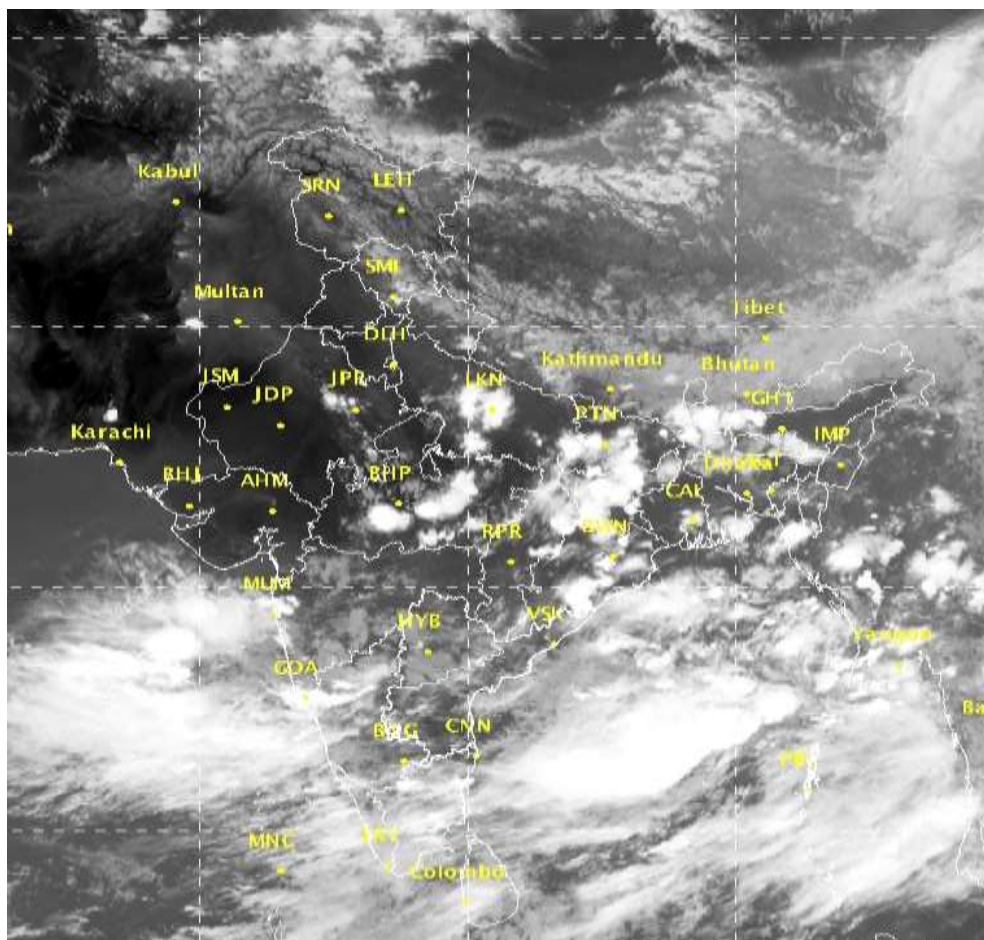
##### Rayalseema

##### Weather condition:

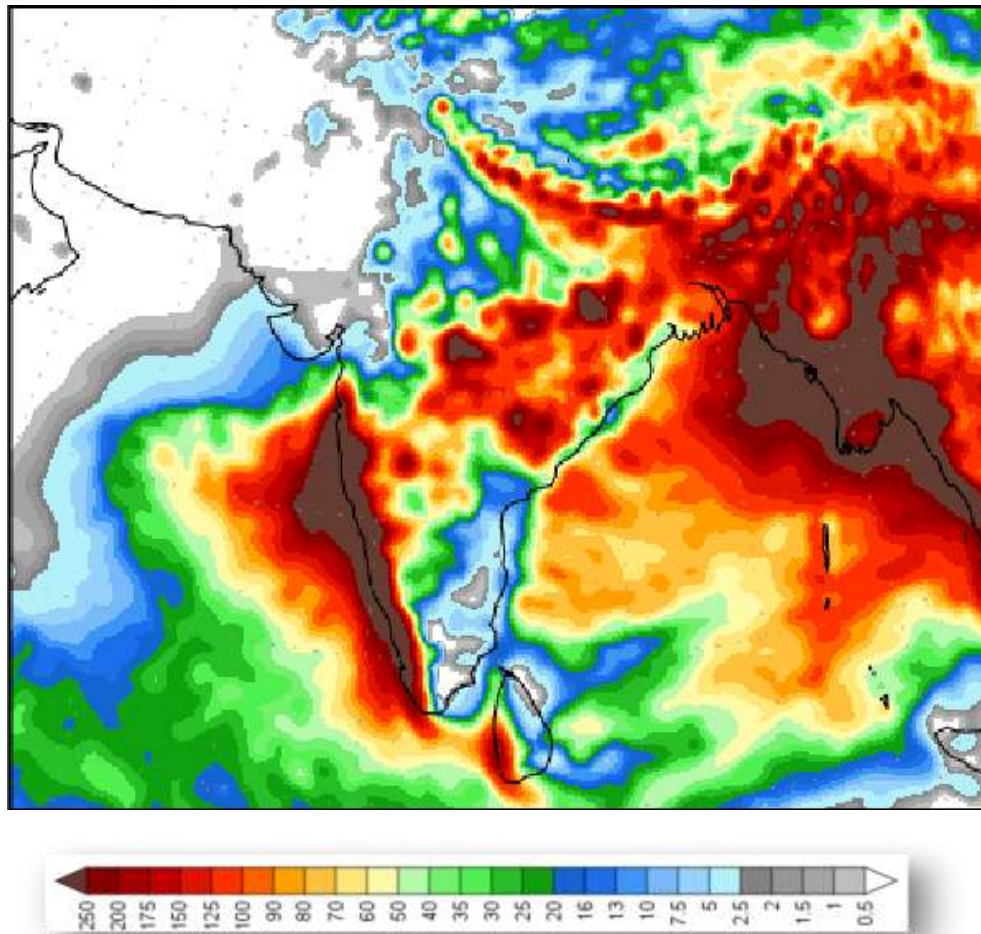
- Rayalseema received wide spread rainfall in the last few days. The maximum and minimum temperatures were ranged between 29.0°C to 35°C and 25°C to 26°C, respectively.

##### Contingency measure:

- Farmers are advised to take up summer ploughings with the rainfall received during the last five days.
- Summer ploughing will reduce the impact of soil born pests and diseases, weeds and increase the rate of water intake into the soil. Farmers are advised to go for deep ploughing with chisel plough or subsoiler to a depth of 45-60 cm
- Farmers are advised to keep the fields free of weeds.
- Farmers are advised to go for green manure crops wherever summer rains received to increase the organic matter, nutrient uptake and water holding capacity of soil.



**Figure: 1. Latest available satellite picture as on 07 June 2018 at 1630 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for  
NOAA NCEP)**

**07 June to 15 June 2018 (Source:**