

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 11 June 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The South West Monsoon advanced into Thane (including Mumbai), Ahmednagar, Parbhani, Yeotmal, Brahmapuri, Rajnandgaon, Bhavanipatna, Puri, Agartala, and North Lakhimpur.
- Some more parts of Vidarbha, Chhattisgarh, Odisha, some parts of West Bengal & Sikkim, remaining parts of northwest Bay of Bengal and Northeastern States can witness advancement of South west monsoon.
- The depression over Northeast Bay of Bengal & adjoining Bangladesh has crossed the Bangladesh coast close to south of Feni (Bangladesh) around 1500 UTC on 10th June 2018 and now lies as a well marked low pressure area over Bangladesh & adjoining Tripura.
- Gangetic West Bengal, Uttrakhand, Haryana, Delhi, West and East Madhya Pradesh, Marathwada, Vidarbha, Telanagana, Coastal, North and South Interior Karnataka and Kerala received widespread rainfall yesterday.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- **Rainfall observed (from 0830 to 1730 hours IST of yesterday):** Rain/thundershowers observed at most places over Uttarakhand, Konkan & Goa and Kerala; at many places over North Interior Karnataka and Rayalaseema; at a few places over Chhattisgarh, Madhya Maharashtra, Telangana and Coastal Karnataka; at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttar Pradesh, East Rajasthan, Bihar, Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Madhya Pradesh, Odisha, Vidharbha, South Interior Karnataka, Lakshadweep, Tamilnadu & Puducherry and Andaman & Nicobar Islands.
- **Amount of rainfall recorded at 1730 hours IST of yesterday (2 cm or more) were:** Ratnagiri, Vengurla, Nagpur, Mahabaleshwar, Valpari, Belgaum, Rewa, Shimla, Sohra, Chitradurga, Cochin & Kolhapur.

- Maximum temperature departures as on 10-06-2018:** Maximum temperatures were markedly above normal (5.1 °C or more) at a few places over Sub Himalayan West Bengal & Sikkim and Assam & Meghalaya, appreciably above normal (3.1 °C to 5.0 °C) at a few places over Bihar; above normal (1.6 °C to 3.0 °C) at a few places over Gujarat state, Gangetic West Bengal, at isolated places over Nagaland, Manipur, Mizoram & Tripura. They were markedly below normal (5.1 °C or less) at a few places over Vidharbha; appreciably below normal (3.1 °C to 5.0 °C) at most places over most places over Chhattisgarh and North Interior Karnataka; at a few places over Madhya Pradesh and South Interior Karnataka, at isolated places over West Rajasthan, Telangana and Odisha, below normal (1.6 °C to 3.0 °C) at most places over Haryana, Chandigarh & Delhi; at a few places over Punjab & West Uttar Pradesh; at isolated places over Jammu & Kashmir and East Rajasthan and near normal over the rest of the country. The highest maximum temperature of 43.0 °C recorded at Phalodi (West Rajasthan) over plains of the country.
- Minimum temperature departures as on 10-06-2018:** Minimum temperatures were appreciably above normal (3.1 °C to 5.0 °C) at a few places over Sub Himalayan West Bengal & Sikkim and at isolated places over Jammu & Kashmir, Himachal Pradesh, East Rajasthan, Bihar and Assam & Meghalaya; above normal (1.6 °C to 3.0 °C) at most places over Gujarat and at isolated places over Uttrakhand, East Uttar Pradesh, West Rajasthan, Madhya Maharashtra, Arunachal Pradesh and Tamil Nadu & Puducherry. They were markedly below normal (5.1 °C or less) at most places over East Madhya Pradesh; appreciably below normal (3.1 °C to 5.0 °C) at many places over Haryana, Chandigarh & Delhi and at isolated places over West Uttar Pradesh, West Madhya Pradesh, Vidarbha & Chhattisgarh, below normal (1.6 °C to 3.0 °C) at most places over Konkan & Goa, at a few places over Telangana and at isolated places over Odisha & Marathwada and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 11 June (Day 1):** Heavy rainfall expected over coastal Karnataka, Konkan & Goa, North Eastern States, South Interior Karnataka, Kerala and at isolated places over Odisha, West Bengal, Sikkim, Bihar, Jharkhand and Chhattisgarh.
- 12 June (Day 2):** Heavy rain can occur over south Konkan & Goa, coastal Karnataka, Kerala, Assam & Meghalaya, isolated places over South Interior Karnataka, coastal Andhra Pradesh, North Eastern States, Odisha, West Bengal & Sikkim, Jharkhand and Chhattisgarh.

- **13 June (Day 3):** Coastal Karnataka, Kerala and North Eastern states can witness heavy rain.
- **14 June (Day 4):** Lakshadweep, Kerala, Coastal Karnataka , Konkan & Goa and North Eastern States likely to receive heavy rainfall.
- **15 June (Day 5):** Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Uttarakhand and Uttar Pradesh. Heavy rainfall likely over Coastal Karnataka.
- The weather outlook for the period of eight days i.e. 10 June to 18 June 2018 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>) Light rainfall expected over North & South Interior Karnataka, Telangana, Coastal Andhra Pradesh, some parts of Tamil Nadu, Haryana, Delhi, Madhya Pradesh (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Assam

Weather condition

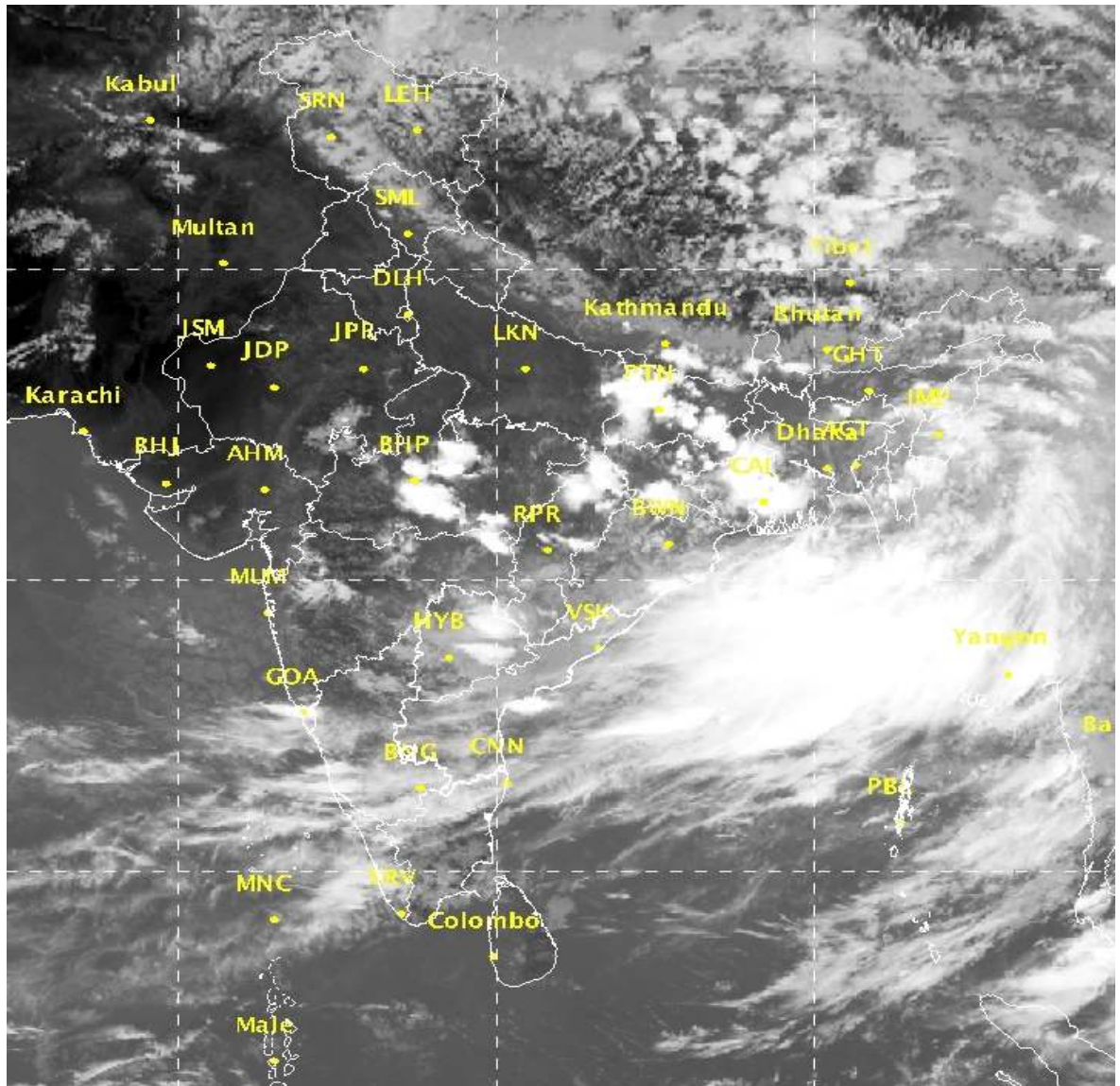
- The state received wide spread rainfall in the last few days. The maximum and minimum temperatures were ranged between 32.0 °C to 37 °C and 23 °C to 26 °C, respectively.

Contingency measure:

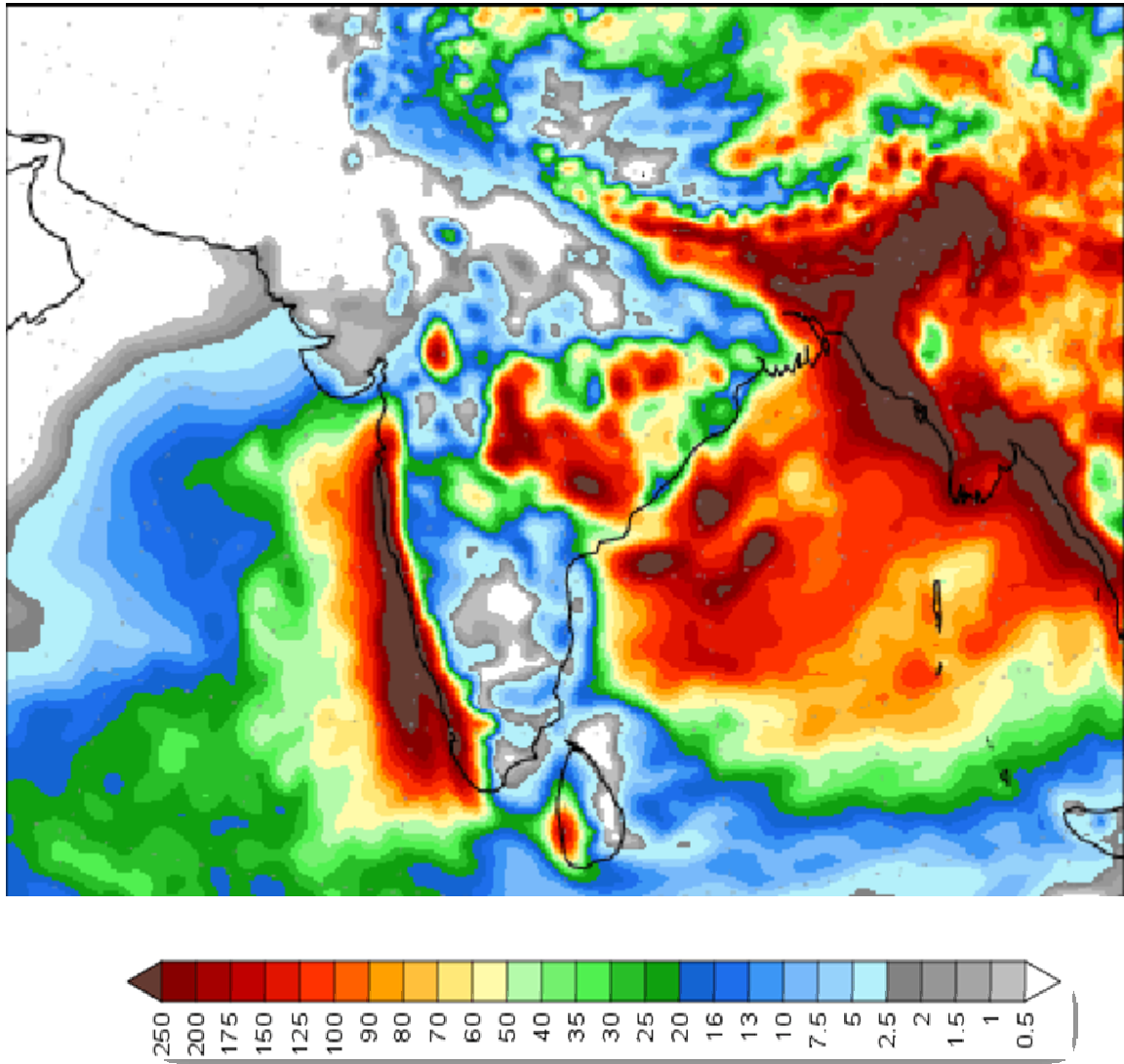
- **Sali Rice:** Continue the sowing of well germinated seeds of Sali rice in the nursery bed. The nursery bed should be of 10 m length and 1.25 m wide in levelled well-puddled soil. About 6-7 such beds will be required to transplant one bigha of land. Apply 20 kg FYM, 80 gm urea, 80 gm SSP and 40 gm MOP in each bed and mixed thoroughly.
- **Papaya:** Farmers are advised to plant the Papaya seedlings. Prepare pits of 45 cm x 45 cm x 45 cm at a spacing of 1.8 m x 1.8 m. The recommended varieties are Washington, Ranchi, Halflong, Solo Papayas .
- **Fishery:** As water has already started to accumulate in the ponds, stocking with fingerlings or carried over seeds of 15 cm size @ 5000 per hectare of water surface area may be advocated. For composite fish farming stocking density for different

species per ha area are: Rahu 750 nos, Silver carp 1000 nos, Catla 750, Grass carp 500 nos, Mrigal 1000 nos, and Common carp 1000 nos.

- **Poultry:** Vaccinate the 4-7 days old and 35 days old birds with F1/ Lasota vaccine @ 1 drop through eye and nostrill.



**Figure 1: Latest available satellite picture as on 11 June 2018 at 1400 Hrs (IST).
(Source: IMD).**



**Figure 2: Precipitation
2018 (Source: NOAA NCEP)**

forecast for 10 June to 18 June