

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 18 June 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Further advance of southwest monsoon is not likely during next 5 to 6 days due to prevalence of weak monsoon pattern. A western disturbance and cyclonic circulations in the lower levels could cause isolated thunder squalls/gust winds over Western Himalayan region, Punjab, Haryana, Chandigarh, Delhi and West Uttar Pradesh during next 24 hours. Heat wave conditions are likely to prevail over parts of east India and coastal Andhra Pradesh during next 48 hours. Thunderstorm observed at isolated places over Jammu & Kashmir, Gangetic West Bengal, Assam, Meghalaya, Tripura, West Rajasthan, Odisha, Chhattisgarh, Konkan & Goa, Coastal Andhra Pradesh, Tamilnadu, Puducherry and Andaman & Nicobar Islands from 11:30 hours IST of yesterday to 08:30 hours IST of today. Yesterday, heat wave conditions observed at some places over Coastal Andhra Pradesh and at one or two pockets over Bihar and Odisha.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall observed (from 08:30 hours IST of yesterday to 08:30 hours IST of today):
Rain/thundershowers observed at most places over Arunachal Pradesh, Assam, Meghalaya, Nagaland, Manipur, Mizoram, Tripura, Sub Himalayan West Bengal, Sikkim, Konkan & Goa, Coastal Karnataka, Andaman & Nicobar Islands and Kerala; at many places over Himachal Pradesh, Uttarakhand, Punjab, Madhya Maharashtra and Lakshadweep; at a few places over Haryana, Chandigarh, Delhi, Interior Karnataka, Tamilnadu & Puducherry, at isolated places over Gangetic West Bengal, Bihar, Jammu & Kashmir, West Rajasthan, East Madhya Pradesh, Gujarat, Vidarbha and Rayalaseema. Amount of rainfall recorded at 08:30 hours IST of today (4 cm or more) are: Sohra, Alibag, Ratnagiri, Harnai, Portblair, Dhubri, Matheran, Colaba (Mumbai) & Marmugao; Mumbai (SCZ), Mahabaleshwar, Jalpaiguri, Karnal, Vengurla, Karwar, Honavar, Cannur & Car Nicobar.

- Maximum temperature departures as on 17-06-2018:** Maximum temperatures were markedly above normal (5.1°C or more) at a few places over Coastal Andhra Pradesh, Odisha, Bihar, Jharkhand and Gangetic West Bengal, appreciably above normal (3.1°C to 5.0°C) at most places over Chhattisgarh; at many places over East Uttar Pradesh and at isolated places over Telangana and above normal (1.6°C to 3.0°C) at many places over Vidarbha, Telangana and Rayalaseema, at a few places over Gujarat and East Madhya Pradesh; at isolated places over West Madhya Pradesh and Kerala. They were markedly below normal (5.1°C or less) at most places over Punjab and at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand, appreciably below normal (3.1°C to 5.0°C) at a few places over Haryana and at isolated places over Madhya Maharashtra, Konkan & Goa and West Uttar Pradesh; below normal (1.6°C to 3.0°C) at a few places over Rajasthan, Assam & Meghalaya and near normal over rest of the country. Yesterday, the Highest maximum temperature of 43.3°C recorded at Gaya (Bihar) over plains of the country.
- Minimum temperature departures as on 18-06-2018:** Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at a few places over Gangetic West Bengal and at isolated places over Bihar, Jharkhand, Vidarbha, Telangana and Odisha; above normal (1.6°C to 3.0°C) at a few places over Madhya Pradesh, Rayalaseema, Coastal Andhra Pradesh and at isolated places over Saurashtra & Kutch, East Rajasthan, Sub Himalayan West Bengal & Sikkim. They are appreciably below normal (3.1°C to 5.0°C) at many places over West Rajasthan; below normal (1.6°C to 3.0°C) at most places over Punjab; at many places over Haryana, Chandigarh, Delhi and Konkan & Goa; at a few places over Himachal Pradesh and at isolated places over Jammu & Kashmir and Madhya Maharashtra and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 18 June (Day 1) :** Heavy to very heavy rain at isolated places very likely over Konkan & Goa and heavy rain at isolated places over Tamilnadu, Kerala, coastal Karnataka and Andaman & Nicobar Islands. Heat wave conditions are very likely at some places over Coastal Andhra Pradesh and at one or two pockets over Bihar, Gangetic West Bengal, Odisha and Jharkhand.
- 19 June (Day 2):** Heavy to very heavy rain at isolated places very likely over Konkan & Goa and heavy at isolated places over Kerala, coastal Karnataka and Andaman & Nicobar Islands. Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Tamilnadu, Rayalaseema, North Coastal Andhra Pradesh, Telangana and South Interior Karnataka.

- **20 June (Day 3) :** Heavy to very heavy rain at isolated places expected over Konkan & Goa and heavy rainfall at isolated places over Assam & Meghalaya, Madhya Maharashtra, Kerala, coastal Karnataka and Andaman & Nicobar Islands. Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Tamilnadu, Rayalaseema, north Coastal Andhra Pradesh, Telangana and south Interior Karnataka.
- **21 June (Day 4) :** Heavy rain to very heavy rain at isolated places very likely over Konkan & Goa, Assam & Meghalaya, isolated places over Arunachal Pradesh, Maharashtra, Kerala and coastal Karnataka.
- **22 June (Day 5):** Heavy to very heavy isolated places very likely over Konkan & Goa, Assam & Meghalaya and heavy at isolated places over Arunachal Pradesh, Kerala and coastal Karnataka.
- The weather outlook for the period of seven days *i.e.* 18 to 26 June 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over; Sub divisions of Peninsular India, North eastern States and some parts of northern India. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

North Interior Karnataka

Weather condition

North Interior Karnataka received normal rainfall in past few days. The maximum temperature ranges from 34 to 35°C and minimum temperature ranges from 21 to 22°C.

Contingency measure:

- Sowing of Greengram, Sunflower, Maize, Bt. Cotton, redgram, Bajra ,Sesamum, Navane and groundnut (bunch type) may be taken up on preference.
- Farmers are advised to treat the seeds of groundnut, redgram, greengram with Rhizobium and that of sorghum and bajra with Azetobactor + PSB before sowing.
- Vaccinate livestock against Foot and Mouth disease (FMD vaccination), Black Quarter disease (BC vaccination) and *Haemorrhagic septicaemia*.

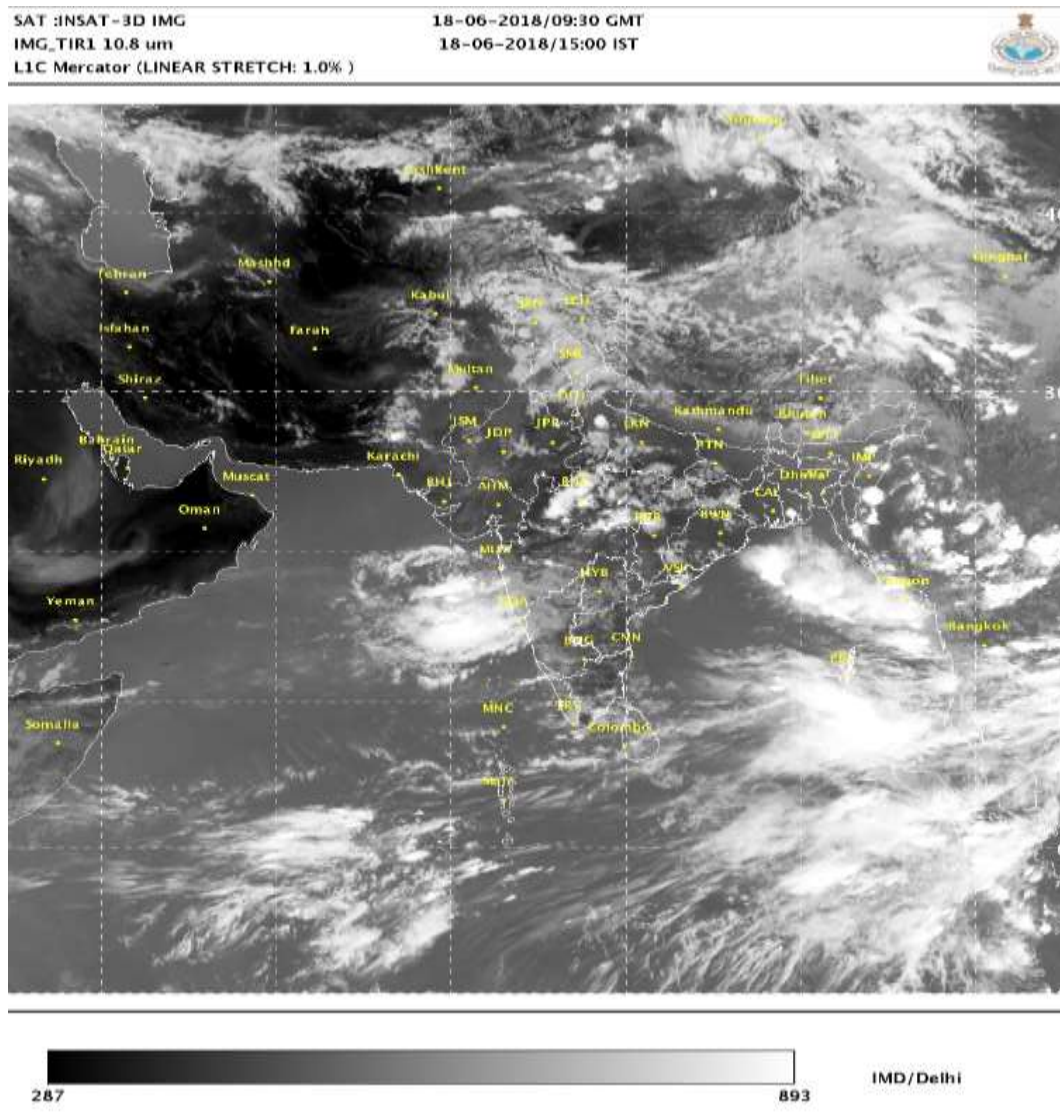


Figure: 1. Latest available satellite picture as on 18 June at 15:00 Hrs (IST). (Source: IMD).

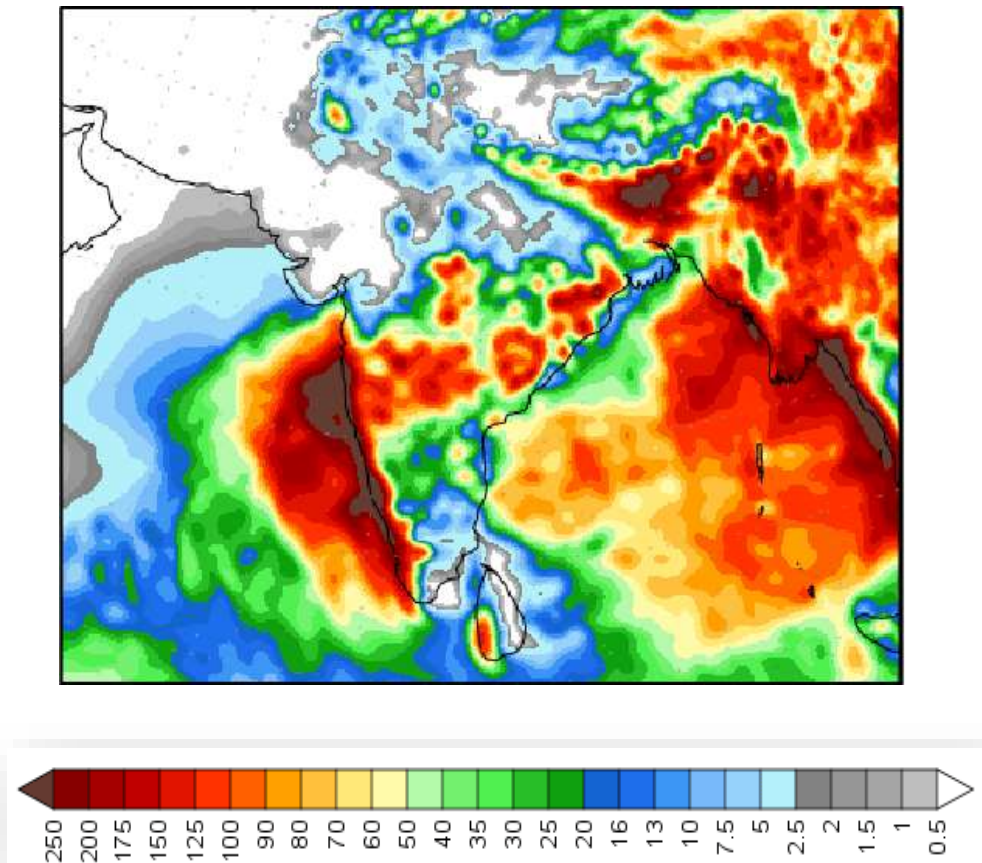


Figure: 2. Precipitation forecast for 18 to 26 June 2018 (Source: NOAA NCEP).