

All India Coordinated Research Project on Agrometeorology
CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 02 June 2020

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The Deep Depression over Eastcentral Arabian Sea moved northwards with a speed of 11 kmph during past 06 hours and lay centred at 0830 hours IST of today, the 02nd June, 2020 over Eastcentral Arabian Sea near latitude 15.3°N and longitude 71.2°E, about 280 km west of Panjim (Goa), 450 km southsouthwest of Mumbai (Maharashtra) and 670 km south-southwest of Surat (Gujarat). It is very likely to intensify into a Cyclonic Storm during next 06 hours and further into a Severe Cyclonic Storm during subsequent 12 hours. It is very likely to move nearly northwards during next few hours, recurve northeastwards thereafter and cross north Maharashtra and adjoining south Gujarat coasts between Harihareshwar and Daman, close to Alibagh (Raigad District, Maharashtra) during the afternoon of 03rd June, 2020 as a Severe Cyclonic Storm with a maximum sustained wind speed of 100-110 kmph gusting to 120 kmph.
- Under the influence of the Deep Depression, light to moderate rainfall at most places with heavy to very heavy falls at isolated places very likely over Konkan & Goa during next 24 hours. Light to moderate rainfall at most places with isolated heavy falls very likely over Coastal Karnataka, Madhya Maharashtra and Marathwada during next 24 hours. Light to moderate rainfall at most places with heavy to very heavy falls at a few places and extremely heavy falls (≥ 20 cm in 24 hours) at isolated places very likely over north Konkan (Mumbai, Palgar, Thane, Raigad districts) and north Madhya Maharashtra. Light to moderate rainfall at most places with heavy to very heavy falls at isolated places over south Konkan (Ratnagiri & Sindhudurg districts) & Goa and south Gujarat region (Valsad, Navsari, Dang, Daman, Dadra & Nagar Haveli and Surat districts). Light to moderate rainfall at most places with heavy falls at isolated places over west Madhya Pradesh on 03rd June.
- Fishermen are advised not to venture into eastcentral & northeast Arabian Sea and along & off Karnataka-Goa-Maharashtra-south Gujarat coasts till 3rd June.
- The Northern Limit of Monsoon (NLM) continues to pass through Lat.12°N/Long.60°E, Lat.12°N/Long.70°E, Cannur, Coimbatore, Kanyakumari,

Lat.8°N/Long.86°E, Lat.11°N/Long.90°E, Lat.14°N/Long.93°E and Lat.16°N/Long.95°E. Conditions are becoming favourable for further advancement of Southwest Monsoon into some parts of Central Arabian Sea and Karnataka; remaining parts of Kerala & Comorin area; some more parts of Tamil Nadu, Puducherry & Karaikal and south Bay of Bengal during next 24 hours.

- A fresh spell of scattered to fairly widespread rain/thundershowers likely to commence over western Himalayan region & adjoining plains of northwest India from 3rd June onwards along with isolated thunderstorm accompanied with gusty wind/squall and hail also likely during the same period.
- The images showing the latest satellite picture in the figure. 1.

Main Weather Observations (IMD)

- Rain/Thundershowers observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at most places over Kerala & Mahe, Coastal & North Interior Karnataka, Lakshadweep, Madhya Maharashtra, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; at many places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, East Madhya Pradesh, Marathwada, Rayalaseema, South Interior Karnataka, Konkan & Goa, Jharkhand, West Bengal & Sikkim and Andaman & Nicobar Islands; at a few places over Uttarakhand, Rajasthan, West Madhya Pradesh, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal and Odisha; at isolated places over Himachal Pradesh, Punjab, Haryana, Uttar Pradesh, Bihar, Gujarat Region, Vidarbha and Chhattisgarh.
- Very Heavy rainfall occurred at isolated places over Kerala & Mahe, Assam & Meghalaya and Arunachal Pradesh and Heavy Rainfall at isolated places over West Rajasthan, Coastal Karnataka, Odisha and Tamil Nadu, Puducherry & Karaikal.
- Thunderstorm observed (from 1730 hours IST of yesterday to 0830 hours IST of today): at isolated places over Assam & Meghalaya, Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, West Uttar Pradesh, Rajasthan, East Madhya Pradesh, West Bengal & Sikkim, Gujarat region, Vidarbha, Jharkhand, Odisha, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Coastal Andhra Pradesh, Rayalaseema, Karnataka and Tamil Nadu, Puducherry & Karaikal.
- Maximum Temperature Departures as on 01-06-2020: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over South Interior Karnataka; above normal (1.6°C to 3.0°C) at a few places over Saurashtra

& Kutch and at isolated places over Tamilnadu, Puducherry & Karaikal. They were markedly below normal (-5.0°C or less) at most places over Punjab & Haryana, Chandigarh & Delhi; at many places over Himachal Pradesh, Marathwada and Vidarbha; at a few places over Uttarakhand, West Uttar Pradesh & Madhya Maharashtra and at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad and East Uttar Pradesh; appreciably below normal (-3.1°C to -5.0°C) at many places over north Rajasthan & Telangana; at a few places over North Interior Karnataka and at isolated places over East Madhya Pradesh, Gangetic West Bengal and Odisha; below normal (-1.6°C to -3.0°C) at most places over rest Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Bihar, Jharkhand, Chhattisgarh and North Interior Karnataka; at many places over Sub-Himalayan West Bengal and at isolated places over rest Rajasthan, West Madhya Pradesh, Assam & Meghalaya, Konkan & Goa, Coastal Andhra Pradesh, Rayalaseema and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 44.0°C was reported at Khargone (West Madhya Pradesh).

- Minimum Temperature Departures as on 02-06-2020: Minimum temperatures are above normal (1.6°C to 3.0°C) at many places over Gujarat Region; at isolated places over Saurashtra & Kutch, South Interior Karnataka, Lakshadweep and Andaman & Nicobar Islands. They are markedly below normal (-5.1°C or less) at isolated places over West Rajasthan, Madhya Pradesh and Vidarbha; appreciably below normal (-3.1°C to -5.0°C) at many places over Himachal Pradesh and Telangana; at a few places over Haryana, Delhi, East Rajasthan, West Uttar Pradesh, Odisha and Jharkhand; at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad; below normal (-1.6°C to -3.0°C) at most places over Marathwada; at many places over Punjab; at a few places over East Uttar Pradesh, Chhattisgarh and Gangetic West Bengal; at isolated places over Bihar, Arunachal Pradesh, Assam & Meghalaya, Madhya Maharashtra and Rayalaseema and near normal over rest parts of the country. The lowest minimum temperature of 19.0°C reported at Angul (Odisha) over the plains of the country

Weather Warning during the next 5 days (IMD)

- 02 June (Day 1): Thunderstorm accompanied with lightning, hail & gusty winds (speed reaching 30-40 kmph) at isolated places over Punjab and north Haryana; with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places over Interior Karnataka, Konkan & Goa, Madhya Maharashtra, West Madhya Pradesh

and Gangetic West Bengal; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Marathwada, East Madhya Pradesh, Vidarbha, Sub-Himalayan West Bengal & Sikkim, Odisha, Bihar, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and Uttar Pradesh; with lightning at isolated places over Tamilnadu, Puducherry & Karaikal, Chhattisgarh, Jharkhand, Arunachal Pradesh and Andaman & Nicobar Islands. Thunderstorm/Duststorm with lightning, hail and gusty winds (speed 40-50 kmph) very likely at isolated places over Rajasthan. Heavy rainfall at a few places with very heavy falls at isolated places very likely over Kerala & Mahe; Heavy to very heavy rainfall at isolated places Coastal Karnataka, Konkan & Goa and heavy rainfall at isolated places over Madhya Maharashtra, Marathwada, Gujarat Region, Tamil Nadu, Puducherry & Karaikal, Interior Karnataka, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Lakshadweep, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Squally wind (speed reaching 55-65 kmph gusting to 75 kmph) is prevailing over eastcentral Arabian Sea. It will gradually increase, becoming gale wind (Speed reaching 60-70 kmph gusting to 80 kmph) over eastcentral Arabian Sea off south Maharashtra and Goa coasts from today afternoon and further becoming 100-110 kmph gusting to 120 kmph over eastcentral Arabian Sea along & off Maharashtra (Raigarh, Mumbai, Palghar and Thane) coast from 03rd June morning. Squally wind (speed reaching 50-60 kmph gusting to 70 kmph) is likely to prevail over eastcentral Arabian Sea along & off Karnataka-Goa coasts during next 24 hours. Sea conditions are Rough to Very Rough over eastcentral Arabian Sea. It would become Very Rough to High over eastcentral Arabian Sea from today afternoon. It will become High to Very High over eastcentral Arabian Sea along & off Maharashtra and Goa coasts from today evening. Fishermen are advised not to venture into eastcentral & northeast Arabian Sea and along & off Karnataka-Goa-Maharashtra-south Gujarat coasts.

- 03 June (Day 2): Thunderstorm accompanied with lightning, hail & squall (speed reaching 50-60 kmph) at isolated places very likely over Rajasthan; with lightning & squall (speed reaching 50-60 kmph) at isolated places over Gangetic West Bengal; with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places over Interior Karnataka, Telangana, West Madhya Pradesh; gusty winds (speed reaching 30-40 kmph) at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, East Madhya Pradesh, Vidarbha, Sub-Himalayan West

Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Bihar, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Uttar Pradesh; with lightning at isolated places over Tamil Nadu, Puducherry & Karaikal, Chhattisgarh, Jharkhand, Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Haryana, Chandigarh & Delhi and Arunachal Pradesh. Heavy to very heavy rainfall at a few places with extremely heavy falls at isolated places very likely over north Konkan and north Madhya Maharashtra; Heavy to very heavy rainfall at isolated places over south Konkan & Goa, south Gujarat Region, Kerala & Mahe and heavy rainfall at isolated places over West Madhya Pradesh, Rajasthan, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Vidarbha, Odisha, West Bengal & Sikkim, Arunachal Pradesh, Karnataka and Lakshadweep. Gale wind (speed reaching 80-90 kmph gusting to 100 kmph) likely along & off Valsad, Navsari districts of Gujarat, Daman and along and off northeast Arabian Sea, Ratnagiri, Sindhudurg districts of Maharashtra and speed reaching 70-80 kmph gusting to 90 kmph along & off Surat and Bharuch districts of south Gujarat, Dadra & Nagar Haveli from noon. Squally wind speed reaching 50-60 kmph gusting to 70 kmph likely to prevail over northeast Arabian Sea along & off remaining districts of south Gujarat. Sea conditions are very likely to be Very Rough to High over northeast Arabian Sea along & off south Gujarat and north Maharashtra coasts. Fishermen are advised not to venture into eastcentral & northeast Arabian Sea and along & off Karnataka-GoaMaharashtra-south Gujarat coasts.

- 04 June (Day 3): Thunderstorm accompanied with lightning, hail & gusty winds (speed reaching 30-40 kmph) at isolated places very likely over Himachal Pradesh and Uttarakhand; with lightning & squall (speed reaching 50-60 kmph) at isolated places over Haryana, Chandigarh & Delhi, Uttar Pradesh and East Rajasthan; with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places over West Rajasthan, West Madhya Pradesh and Bihar; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over East Madhya Pradesh, Vidarbha, Andaman & Nicobar Islands, Gangetic West Bengal, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; with lightning at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Chhattisgarh, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Tamil Nadu, Puducherry & Karaikal. Heavy to very heavy rainfall very likely at isolated places over Konkan & Goa, West Madhya Pradesh, Rajasthan and heavy rainfall at isolated places over Coastal & South Interior

Karnataka, Kerala & Mahe, north Madhya Maharashtra, Uttarakhand, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Madhya Pradesh and Assam & Meghalaya.

- 05 June (Day 4): Thunderstorm accompanied with lightning, hail & gusty winds (speed reaching 40-50 kmph) at isolated places likely over Himachal Pradesh and Uttarakhand; with lightning & squall (speed reaching 50-60 kmph) at isolated places over Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh; with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places over Andaman & Nicobar Islands, East Rajasthan and Sub-Himalayan West Bengal & Sikkim; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, West Rajasthan, Chhattisgarh, Gangetic West Bengal, Bihar, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; with lightning at isolated places over Madhya Pradesh, Vidarbha, Jharkhand, Arunachal Pradesh and Tamil Nadu, Puducherry & Karaikal. Heavy to very heavy rainfall very likely at isolated places over Uttarakhand and East Rajasthan and heavy rainfall at isolated places over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Coastal & South Interior Karnataka, Konkan & Goa, Andaman & Nicobar Islands, Sub-Himalaya West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Haryana, Chandigarh & Delhi, West Uttar Pradesh and West Rajasthan.
- 06 June (Day 5): Thunderstorm accompanied with lightning, squall (speed reaching 50-60 kmph) at isolated places over Punjab; with lightning & gusty winds (speed reaching 40-50 kmph) at isolated places over Sub-Himalaya West Bengal & Sikkim and Andaman & Nicobar Islands; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Interior Karnataka, Rayalaseema, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh and Rajasthan; with lightning at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh, Gangetic West Bengal, Bihar, Jharkhand, Arunachal Pradesh, Haryana, Chandigarh & Delhi and Tamilnadu, Puducherry & Karaikal. Heavy to very heavy rainfall very likely at isolated places over Assam & Meghalaya and heavy rainfall at isolated places over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Lakshadweep, Coastal & South Interior Karnataka, Rayalaseema, Andaman & Nicobar Islands, Uttarakhand and Sub-Himalaya West Bengal & Sikkim.
- The weather outlook for seven days i.e., 02 to 10 June 2020 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from

<http://monsoondata.org/wx2/>) rain/thundershower may occur over Some parts of Extreme northern parts of India. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Uttar Pradesh

Weather condition:

No rainfall in few districts of the region, Average temp. was 2-3 degree below the normal,

Contingency measure:

- Looking forecast of light rain in the week and scattered light rainfall in few districts in the preceding week of the region, the farmers are advised for threshing of wheat and pigeon pea crop very soon.
- They are advised for irrigation at shorter interval in sugarcane, mung and zaid vegetables etc if required. in view of looking the higher evaporative demand.
- Under optimum moisture conditions, they are advised for interculture operations as to save them under moisture stress conditions
- Summer ploughing in fallow lands for reducing the infestation of weeds and also harmful insect-pest/diseases and to increase the soil moisture retention capacity of the field.
- There is possibility of fruit drops in the citrus, hence advised to spray 2,4-D@ 1 ppm solution.

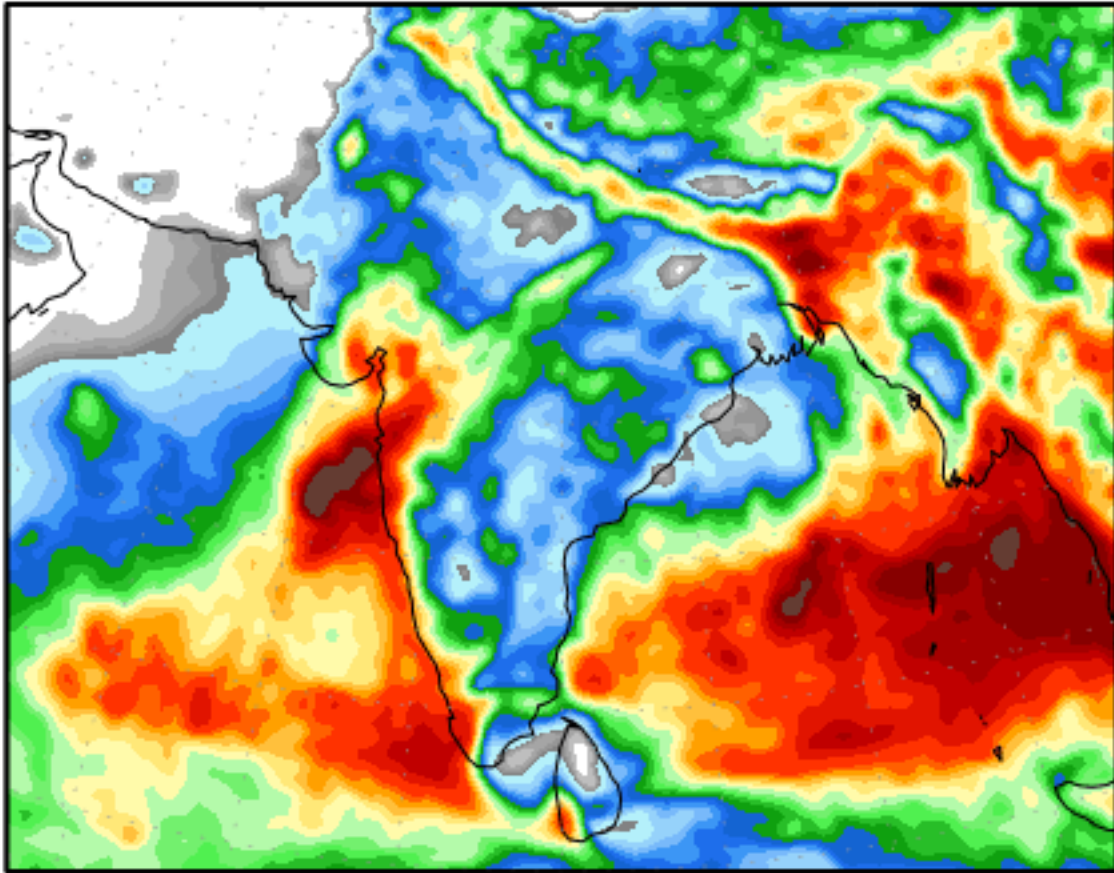


Figure:2. Precipitation forecast for 02 to 10 June 2020 (Source: NOAA NCEP).

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