

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 09 August 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The depression over central parts of Madhya Pradesh moved west-northwestwards with a speed of about 32 kmph in last six hours and lay centred at 0830 hours IST of today, the 09th August, 2019, near Latitude 23.8°N and Longitude 77.3°E over West Madhya Pradesh, about 60 km north of Bhopal (West Madhya Pradesh), about 90 km southeast of Guna (West Madhya Pradesh) and about 210 km southeast of Kota (east Rajasthan). It is very likely to continue to move west-northwestwards and weaken gradually into a Well Marked Low Pressure Area during next 24 hours.
- Fairly widespread to widespread rainfall with isolated heavy to very heavy falls are very likely over Gujarat state during next 48 hours southwest Madhya Pradesh, South Rajasthan, South Konkan & Goa, Madhya Maharashtra, Karnataka and Kerala during next 24 hours.
- Isolated extremely heavy falls are also very likely over southwest Madhya Pradesh, Gujarat, south East Rajasthan, Kerala, Coastal Karnataka and ghat areas of South Interior Karnataka and Tamil Nadu during next 24 hours. Intensity of rainfall over Interior Maharashtra is likely to reduce from today and that of Kerala and Karnataka from tomorrow.
- Strong surface wind speed reaching 30-40 kmph likely over northwest Madhya Pradesh & adjoining East Rajasthan, south Haryana, Delhi & adjoining West Uttar Pradesh 25-35 kmph over north Interior Maharashtra on 9th and over northwest Rajasthan, southwest Madhya Pradesh & adjoining Gujarat Region on 10th August.
- The images showing the latest satellite picture in figure. 1

Main Weather Observations (IMD)

- Rain/Thunder showers observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at most places over Uttarakhand, Madhya Pradesh, Vidarbha, Konkan & Goa, Madhya Maharashtra, Gujarat Region, Telangana, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh, Chhattisgarh, West Bengal & Sikkim, Jharkhand, Nagaland Manipur, Mizoram & Tripura, Andaman &

Nicobar Islands, Kerala and Lakshadweep at many places over Rajasthan, Saurashtra & Kutch, North Interior Karnataka, Odisha and Assam & Meghalaya; at a few places over Bihar and at isolated places over Jammu & Kashmir, Punjab, Uttar Pradesh, Marathawada and Rayalaseema.

- Heavy to very heavy rainfall with extremely heavy falls observed at isolated places over Tamil Nadu and Kerala; Heavy to very heavy rainfall at isolated places over Konkan & Goa, Madhya Pradesh, Madhya Maharashtra and East Rajasthan and Heavy rainfall at isolated places over Gujarat region, Coastal Karnataka, Vidarbha and North Interior Karnataka.
- Thunder storm observed (from 1730 hours IST of yesterday to 0830 hours IST of today): at isolated places over Punjab, Interior Karnataka, Kerala, Coastal Andhra Pradesh, Konkan & Goa, Bihar, Rajasthan, Assam & Meghalaya, Uttarakhand and Himachal Pradesh.
- Maximum temperature departures as on 08-08-2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a many places over Punjab; at a few places over Himachal Pradesh, Arunachal Pradesh and at isolated places over Assam & Meghalaya; above normal (1.6°C to 3.0°C) at most places over Uttarakhand; at many places over Haryana, Chandigarh & Delhi and West Uttar Pradesh and at isolated places over East Rajasthan, Tamil Nadu, Puducherry & Karaikal and Andaman & Nicobar Islands. They were appreciably below normal (-3.1°C to -5.0°C) at most places over Vidarbha; at many places over Marathawada; at a few places over Madhya Maharashtra, Chhattisgarh and at isolate places over Madhya Pradesh, Telangana, Kerala and South Interior Karnataka; below normal (-1.6°C to -3.0°C) at most places over North Interior Karnataka, Bihar and Jharkhand; at a few places over Coastal Andhra Pradesh, West Bengal & Sikkim and at isolated places over Gujarat and Odisha and near normal over rest parts of the country.
- Minimum temperature departures as on 09-08-2019: Minimum temperatures are Markedly above normal (5.1°C to more) at a few places over Jammu & Kashmir and at isolate places over Tamil Nadu, Puducherry & Karaikal and East Rajasthan; above normal (1.6°C to 3.0°C) at most places over Rayalaseema; at many places over Uttarakhand, Punjab and North Interior Karnataka; at a few places over Saurashtra & Kutch, West Uttar Pradesh, Coastal Karnataka, Sub-Himalayan West Bengal & Sikkim and at isolated places over East Madhya Pradesh, Coastal Andhra Pradesh and Kerala; They are appreciably below normal (-3.1°C to -5.0°C) at isolated places over West Madhya Pradesh and at isolated places over East Uttar Pradesh and below normal (-1.6°C to -3.0°C) at a few places over Vidarbha and at isolated places over Kerala and near normal over rest parts of the country.

Weather Warning during next 5 days (IMD)

- 09 August (Day 1): Heavy to very heavy rainfall at a few places with extremely heavy falls very likely at isolated places over Gujarat State, Kerala and South Interior Karnataka; Heavy to very heavy rainfall with extremely heavy falls at isolated places over Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka, West Madhya Pradesh and East Rajasthan; Heavy to very heavy rainfall at isolated places over North Interior Karnataka, Konkan & Goa, Madhya Maharashtra and West Rajasthan and Heavy rainfall at isolated places over Lakshadweep, Vidarbha, Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab and Andaman & Nicobar Islands. Strong winds, speed reaching 40-50 kmph, are likely to prevail over southwest, central and northeast, Arabian Sea and along & off Kerala, Karnataka, Goa, Maharashtra, Gujarat coasts, Lakshadweep area, Tamil Nadu coasts, West Bengal-Odisha coasts and Andaman Sea. Fishermen are advised not to venture into these areas.
- 10 August (Day 2): Heavy to very heavy rainfall at a few places with extremely heavy falls very likely at isolated places over Saurashtra & Kutch; Heavy to very heavy rainfall likely at isolated places over Tamil Nadu, Puducherry & Karaikal, Kerala, Coastal Karnataka, South Interior Karnataka, Konkan & Goa and Gujarat Region and Heavy rainfall at isolated places over Lakshadweep, North Interior Karnataka, Madhya Maharashtra, Himachal Pradesh, Uttarakhand, Rajasthan and Andaman & Nicobar Islands. Strong winds, speed reaching 40-50 kmph, are likely to prevail over southwest, central and northeast, Arabian Sea and along & off Kerala, Karnataka, Goa, Maharashtra, Gujarat coasts, Lakshadweep area, Tamil Nadu coasts, West Bengal-Odisha coasts and Andaman Sea. Fishermen are advised not to venture into these areas.
- 11 August (Day 3): Heavy rainfall likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Gujarat State, Tamil Nadu, Puducherry & Karaikal, Kerala, Lakshadweep, Coastal Karnataka, South Interior Karnataka, Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura, Thunderstorm accompanied with lightening very likely at isolated places over Odisha. Strong winds, speed reaching 40-50 kmph, are likely to prevail over southwest and westcentral Arabian Sea and along & off Kerala, Karnataka, Goa, Maharashtra, Gujarat coasts, Lakshadweep area and Andaman Sea. Fishermen are advised not to venture into these areas.
- 12 August (Day 4): Heavy to very heavy rainfall likely at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, Assam & Meghalaya and

Nagaland, Manipur, Mizoram & Tripura and Heavy rainfall at isolated places over Punjab, Haryana, Chandigarh & Delhi, Tamil Nadu, Puducherry & Karaikal, Kerala, Coastal Karnataka, Konkan & Goa, West Bengal & Sikkim, Odisha, Jharkhand and Bihar. Strong winds, speed reaching 40-50 kmph, are likely to prevail over southwest and westcentral Arabian Sea. Fishermen are advised not to venture into these areas.

- 13 August (Day 5): Heavy to very heavy rainfall likely at isolated places over Uttarakhand, Tamil Nadu, Puducherry & Karaikal, Kerala and Sub-Himalayan West Bengal & Sikkim and Heavy rainfall at isolated places over Coastal & South Interior Karnataka, East Madhya Pradesh, Chhattisgarh, Jammu & Kashmir, Himachal Pradesh Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Odisha, Jharkhand, Bihar and Assam & Meghalaya. Strong winds, speed reaching 40-50 kmph, are likely to prevail over southwest and westcentral Arabian Sea. Fishermen are advised not to venture into these areas.
- The weather outlook for the period of seven days *i.e* 9 August to 17 August 2019 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Sub-Himalayan West Bengal & Sikkim, Bihar, Madhya Pradesh, Odisha, Konkan & Goa, Vidarbha, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh, Rayalaseema, North Interior Karnataka, Coastal & South Interior Karnataka, Kerala, Tamil Nadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Uttarakhand

Weather condition:

Very Light to moderate rainfall is received in Uttarakhand state during past few days. The maximum temperature was ranged between 19-26°C and minimum temperature was ranged between 15-16°C.

Contingency measure:

- Vegetables: Keep continue transplant of cabbage seedlings and sowing of radish, coriander, rye. Provide adequate drainage in vegetables growing field. Strengthen the bunds. Remove weeds from all the crops. Postpone chemical/fertilizer application on vegetables. Harvest matured vegetable fruits as well temperate fruits. Prepare processed product like jam, chutney etc. Bury diseased fruits into soil. Remove rotten mulch from ginger crops. Apply second dose of urea during tillering

stage on paddy (after 3 weeks of transplanting of paddy). Keep continue planting of lemon sapling, fodder plants and other fruit plants.

- Animals husbandry: Keep the place clean and clear for pregnant animals. Juvenile calves should be avoided by rain shower to protect from cold. Rain water should not be given to the animals.

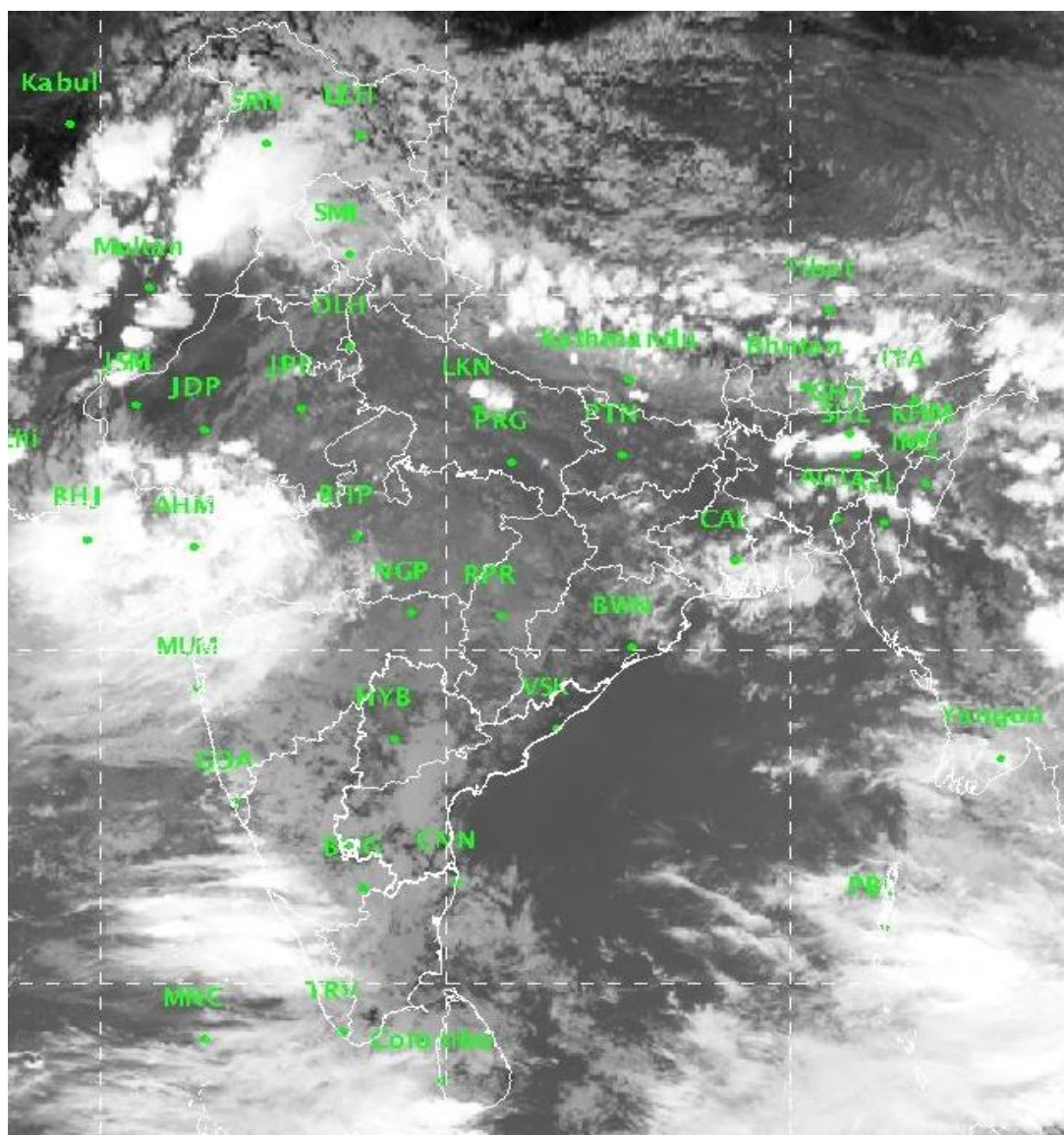


Figure: 1. Latest available satellite picture as on 09 August 2019 at 14:30 Hrs (IST).

(Source: IMD).

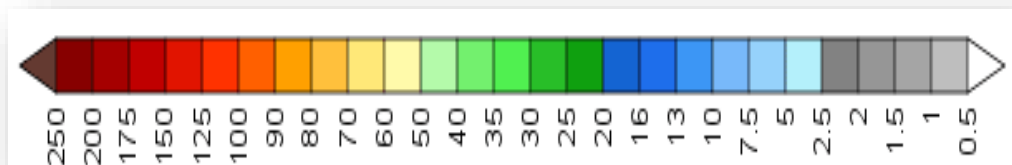
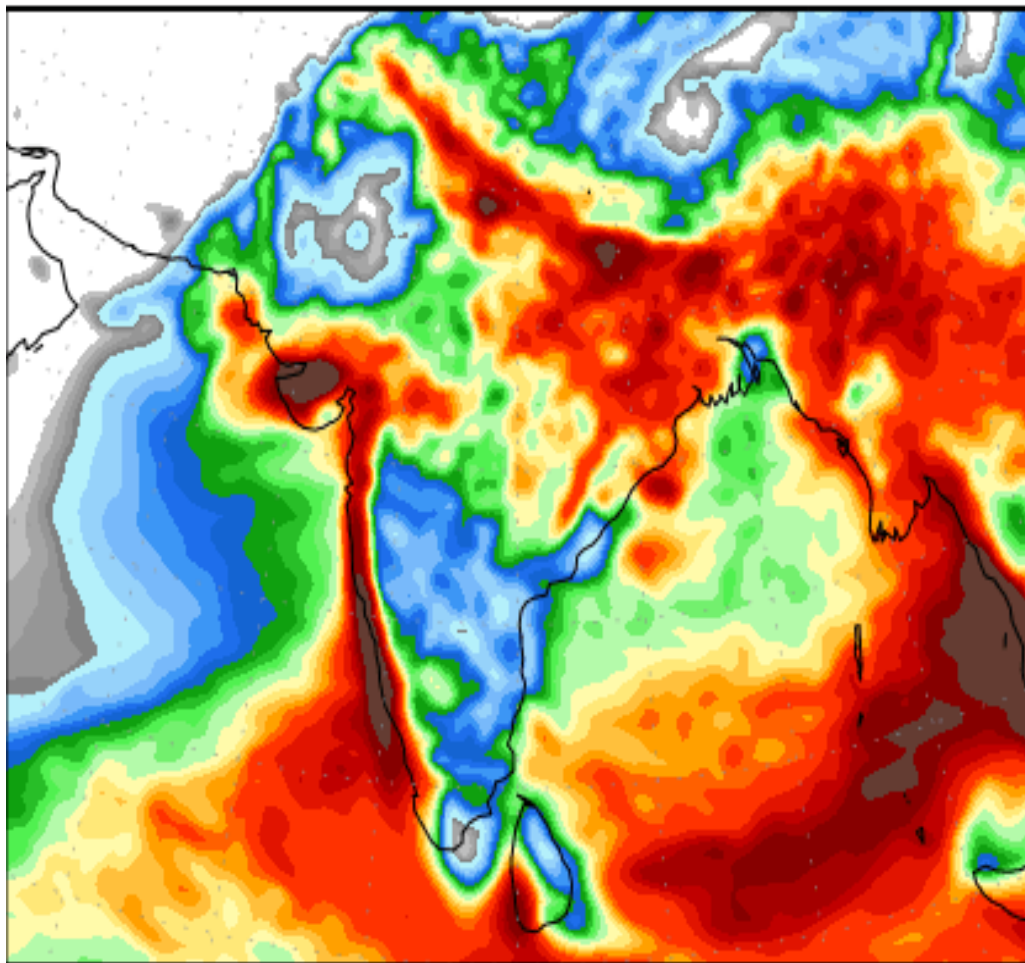


Figure:2. Precipitation forecast for 08 to 17 August 2019 (Source: NOAA NCEP).