

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 09 September 2019

Significant Weather Features (IMD)

- The Low Pressure area over north coastal Odisha & adjoining Gangetic West Bengal with associated cyclonic circulation extending upto 7.6 km above mean sea level tilting southwestwards with height persists. The monsoon trough at mean sea level now pass through Jaisalmer, Kota, Guna, Jabalpur, Pendra Road, Jharsuguda, centre of low pressure area over north coastal Odisha & adjoining Gangetic West Bengal and thence southeastwards to eastcentral Bay of Bengal and extends upto 2.1 km above mean sea level tilting southwards with height.
- Under the above conditions, fairly widespread to widespread rainfall with isolated heavy to very heavy falls likely over Konkan & Goa, Madhya Maharashtra, Vidarbha, Chhattisgarh, Gujarat, Telangana and Odisha during next 2 days; over coastal Andhra Pradesh during next 24 hours and over Gujarat state during next 3-4 days. Extremely heavy rainfall at isolated places are also likely over Vidarbha, Chhattisgarh, Madhya Maharashtra, Konkan & Goa & Telangana during next 48 hours and over Saurashtra & Kutch on 8th & 9th Sept.
- The images showing the latest satellite picture in 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 Gujarat State, Konkan & Goa, Coastal Karnataka, Kerala, South Interior Karnataka and Odisha; at many places over Telangana and Andaman & Nicobar Islands; at a few places over West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, East Rajasthan, Madhya Pradesh, Madhya Maharashtra, North Interior Karnataka, Vidarbha, Rayalaseema, Coastal Andhra Pradesh, Chhattisgarh and Jharkhand and at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Bihar, West Rajasthan, Lakshadweep, Tamil Nadu, Puducherry & Karaikal and Marathawada.
- Heavy to very heavy rainfall With Extremely heavy falls is very likely over Vidarbha and Chhattisgarh; Heavy to very Heavy rainfall at isolated places over North Konkan & Goa Heavy rainfall at isolated places over Assam & Meghalaya, Madhya Maharashtra, Odisha, South Interior Karnataka, Kerala and Saurashtra & Kutch.

- Thunderstorm observed (from 2030 hours IST yesterday to 0830 hours IST of today): at isolated places over West Rajasthan, Gujarat State, West Madhya Pradesh, Chhattisgarh, Telangana and Odisha.
- Maximum temperature departures as on 05-09-2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over East Rajasthan, East Madhya Pradesh, Bihar and Sub-Himalayan West Bengal & Sikkim; above normal (1.6°C to 3.0°C) at most places over Jammu & Kashmir, West East Uttar Pradesh and Nagaland, Manipur, Mizoram & Tripura; at many places over Uttarakhand and Bihar; at a few places over Himachal Pradesh, Madhya Pradesh and at isolated places over East Rajasthan, Gangetic West Bengal, Assam & Meghalaya, Kerala and Tamil Nadu, Puducherry & Karaikal. They were appreciably below normal (-3.1°C to -5.0°C) at isolated places over Odisha and Coastal Andhra Pradesh; below normal (-1.6°C to -3.0°C) at most places over Konkan & Goa; at a few places over Andaman & Nicobar Islands and at isolated places over Saurashtra & Kutch, South Madhya Maharashtra and North Interior Karnataka and near normal over rest of the country.
- Minimum temperature departures as on 06-09-2019: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at isolated places over Jammu & Kashmir, West Rajasthan, Madhya Pradesh and Tamil Nadu, Puducherry & Karaikal; above normal (1.6°C to 3.0°C) at most places over Haryana, Chandigarh & Delhi, Punjab, East Rajasthan, Sub-Himalayan West Bengal & Sikkim and Nagaland, Manipur, Mizoram & Tripura; at a few places over Himachal Pradesh, East Uttar Pradesh, Uttarakhand, Bihar, Jharkhand and Andaman & Nicobar Islands and at isolated places over Saurashtra & Kutch, Vidarbha, Gangetic West Bengal, Odisha and Assam & Meghalaya and near normal over rest parts of the country.

Weather Warning during next 5 days (IMD)

- 06 September (Day 1): Heavy to very heavy rainfall at a few places with extremely heavy falls at isolated places very likely over Konkan & Goa; Heavy to very heavy rainfall with extremely heavy falls at isolated places over Vidarbha, Chhattisgarh, Madhya Maharashtra and Telangana; Heavy to very heavy rainfall at isolated places over Odisha, Gujarat State and Coastal Andhra Pradesh; Heavy Rainfall at isolated places over East Rajasthan, Madhya Pradesh, Coastal & South Interior Karnataka and Kerala & Mahe. Strong winds, speed reaching 40-50 kmph, are very likely to prevail over central & southwest Arabian Sea, central & adjoining south Bay of Bengal and Andaman Sea & Islands. Squally weather is likely to prevail over Gujarat-Maharashtra, West Bengal-Odisha-Coastal Andhra Pradesh coasts and north Andaman Sea & island. Fishermen are advised not to venture into these areas.
- 07 September (Day 2): Heavy to very heavy rainfall at a few places with extremely heavy falls at isolated places very likely over Konkan & Goa; Heavy to very heavy

rainfall with extremely heavy falls very likely at isolated places over Vidarbha, Madhya Maharashtra and Telangana; Heavy to very heavy rainfall at isolated places over East Madhya Pradesh, Odisha and Gujarat State; Heavy Rainfall at isolated places over East Rajasthan, West Madhya Pradesh, Chhattisgarh, Andaman & Nicobar Islands, Assam & Meghalaya, Marathwada, Coastal Karnataka and Kerala & Mahe. Strong winds, speed reaching 40-50 kmph, are very likely to prevail over central & southwest Arabian Sea and central & adjoining south Bay of Bengal. Squally weather is likely to prevail over Gujarat-Maharashtra, West Bengal-Odisha-Coastal Andhra Pradesh coasts. Fishermen are advised not to venture into these areas.

- 08 September (Day 3): Heavy to very heavy rainfall with extremely heavy falls very likely at isolated places over Saurashtra & Kutch; Heavy to very heavy rainfall at isolated places over East Rajasthan, West Madhya Pradesh and Gujarat Region; Heavy Rainfall at isolated places over East Madhya Pradesh, Vidarbha, Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Konkan & Goa, Coastal Karnataka and Kerala & Mahe. Strong winds, speed reaching 40-50 kmph, are likely to prevail over central & southwest Arabian Sea. Fishermen are advised not to venture into these areas.
- 09 September (Day 4): Heavy to very heavy rainfall with extremely heavy falls very likely at isolated places over Saurashtra & Kutch; Heavy to very heavy rainfall at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; Heavy Rainfall at isolated places over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Gujarat Region, Madhya Maharashtra, Konkan & Goa and Coastal Karnataka. Strong winds, speed reaching 40-50 kmph, are likely to prevail over westcentral & southwest Arabian Sea. Fishermen are advised not to venture into these areas.
- 10 September (Day 5): Heavy to very heavy rainfall at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; Heavy Rainfall at isolated places over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Konkan & Goa and Coastal Karnataka. Strong winds, speed reaching 40-50 kmph, are likely to prevail over westcentral & southwest Arabian Sea. Fishermen are advised not to venture into these areas.
- The weather outlook for the period of seven days *i.e.*, 06 to 14 September 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)

Uttar Pradesh

Kanpur

Weather condition:

Very light to moderate rainfall is received in Uttar Pradesh state during past few days. The maximum temperature was ranged between 34-35°C and minimum temperature was ranged between 25-28°C.

Contingency measure:

- Field Crops: Paddy: After weeding top dressed 1/4 Urea at tillering stage. Use chloropyriphos 20 EC 1.5 liter/Quinalphos 25 EC 1.5 liter with 500 liter water solution per ha. for leaf roller, hispa, banka and shoot borer. Maize: Dusting should be done with Carbofuran, 3G @ 20kg/ha to protect from shoot borer. Drain out excess water from the field. Sorghum Vegetative Remove weeds from the field Dusting should be done with Carbofuran, 3G @ 20kg/ha to protect from shoot borer. Shallow hoeing must be done. Drain out excess water from the field. Pearl millet: Weeding and thinning should be completed within 15 to 20 days after sowing.
- Pulses: Drain out excess water from the field. Pigeon pea: Weeding should be done and plant population should be maintained by thinning. Drain out excess water from the field. Black gram: Dusting should be done with Malathion @ 20kg/ha to protect from white fly. Drain out excess water from the field. Green gram: Dusting should be done with Malathion @ 20kg/ha to protect from white fly. Drain out excess water from the field. Ground nut: Earthing should be completed timely before pegging. Drain out excess water from the field.
- Vegetables: Brinjal/Chilies: Transplanting should be done with new seedlings. Pick up mature fruits from standing crop, watching insect & pest, if need apply recommended dose of insecticide. Weeding must be completed. Spray 0.5% Carbendazim or thiram to protect from dumping-off disease in chilly. Drain out excess water from the field. Leafy Vegetable :Cutting , marketing . Drain out excess water from the field. Jowar / Maize Mucchari + Lobia + Moongbeen: Sowing of Jowar varieties as Pusa chari-23, SSG-98-8MFSH-3,H Pant-5 and MP chari @ 30-40 kg

seeds /ha. with lobia varieties as Rashiyan zoint , UPC-5286, UPC-5287,NP-3, Bundhel lubia-2, UPC-9202 and UPC-4200 @ 15-20 kg seed for mixed cropping or 40 kg seed sown for alone. Used Maize hybrid as Ganga-2, 5,7 or composite as Kishan , African toll and Vijay or indigenous variety Type-41 for fodder.

- Animal: Bathing should be done in animals before milking and fresh water should be used for drinking. Balanced diet should be given for milch animal with 50% green fodder. Common diseases of animals are Anthrax (high fever and enlargement of spleen), the others are Gala Ghotu (respiratory trouble and Surra (Sudden death of animals after restlessness). The routine immunization of animals becomes necessary since disease decrease milk production capacity among milch animals if need concerned near Veterinary hospital.

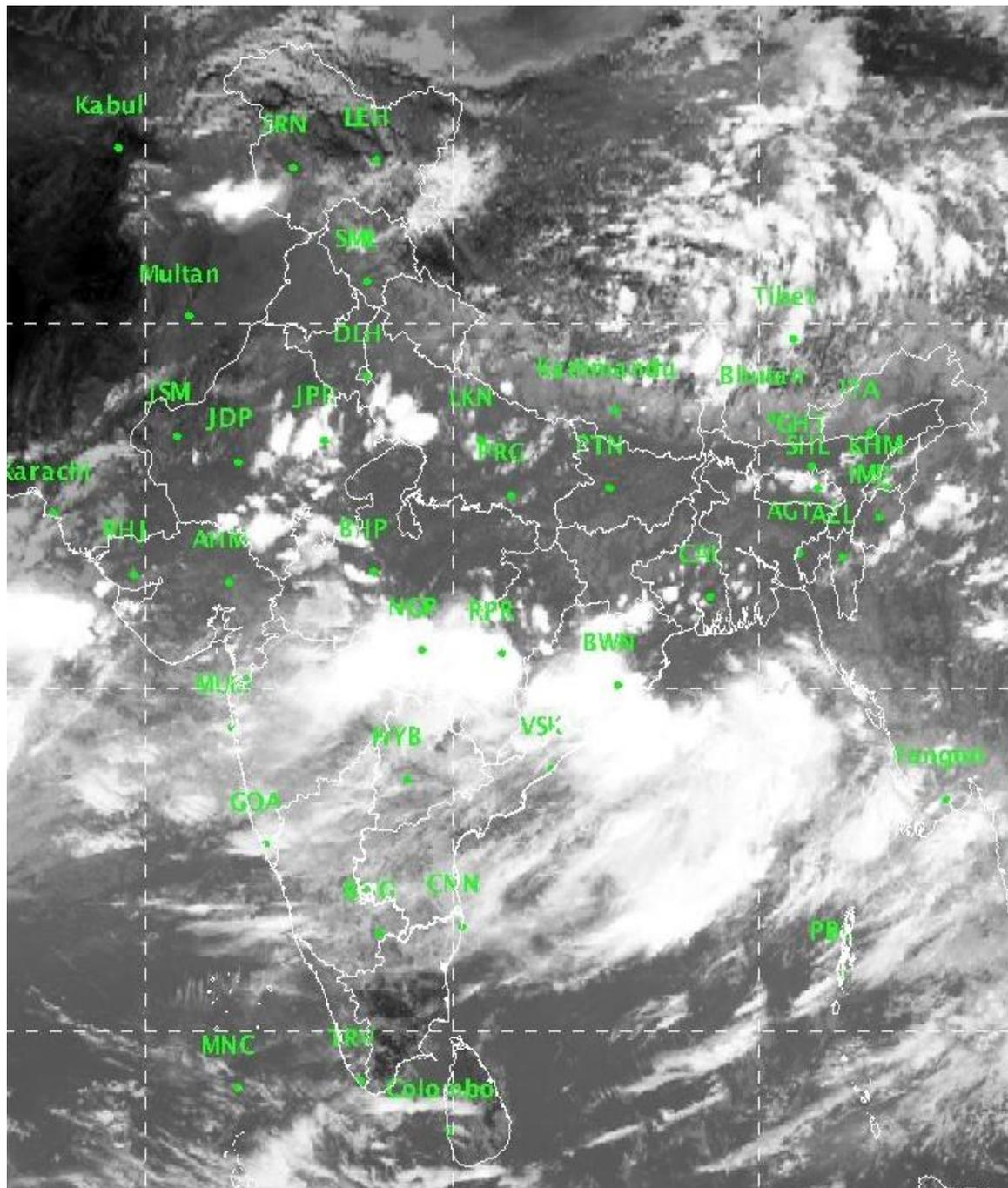


Figure: 1. Latest available satellite picture as on 06 September 2019 at 13:30Hrs (IST).

(Source: IMD).

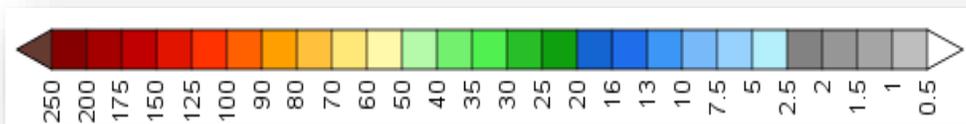
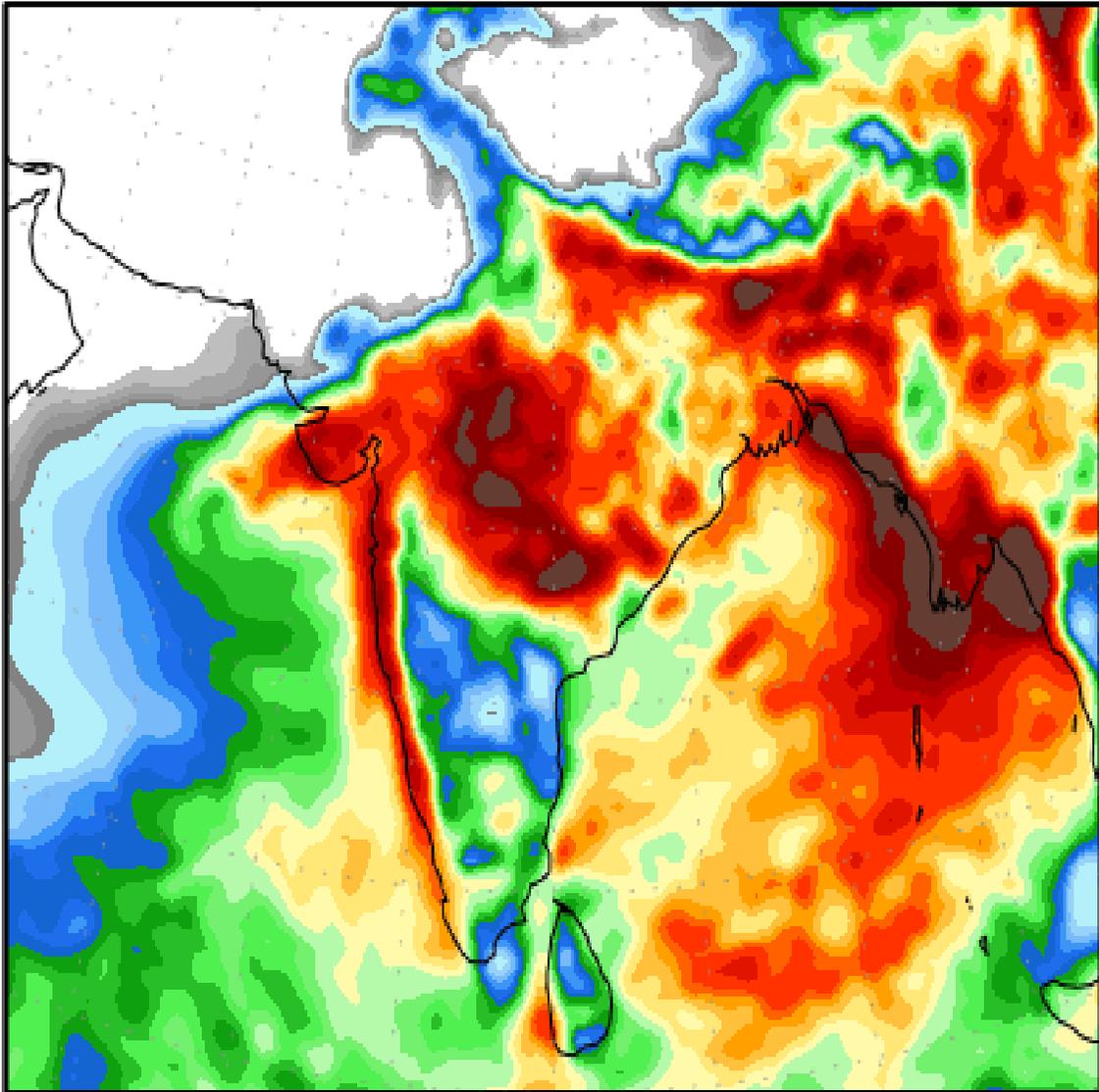


Figure:2. Precipitation forecast for 06 to 14 September 2019 (Source: NOAA NCEP).