

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 30 October 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The Depression over Maldives-Comorin areas and adjoining Lakshadweep areas moved northwestwards with a speed of 13 kmph during past 6 hours and intensified into a Deep Depression over Lakshadweep and adjoining southeast Arabian Sea and Maldives area and lay centered at 1430 hours IST of today, 30th October, 2019 near Latitude 8.5°N and Longitude 74.5°E, about 490 km north-northeast of Male (Maldives), 150 km east-northeast of Minicoy (Lakshadweep), 300 km southeast of Kavaratti (Lakshadweep) and 270 km west of Thiruvananthapuram (Kerala). It is very likely to continue to move northwestwards across Lakshadweep Islands during next 36 hours and then emerge into eastcentral Arabian Sea. It is very likely to intensify into a Cyclonic Storm during next 12 hours.
- Under the influence of the above system, heavy to very heavy rainfall with extremely fall likely over Lakshadweep during next 2 days. Heavy to very heavy rainfall over Kerala on 30th & 31st October; over Tamilnadu on 30th and over Coastal Karnataka on 31st October. Heavy rainfall over Rayalseema, Coastal Andhra Pradesh, Telangana and South Interior Karnataka during next 48 hours.
- The Very Severe Cyclonic Storm 'KYARR' over westcentral and adjoining northwest Arabian Sea moved west-southwestwards with a speed of 09 kmph during past 06 hours and lay centred at 1430 hours IST of today, 30th October, 2019 over westcentral and adjoining northwest Arabian Sea near Latitude 19.3°N and Longitude 61.7°E, about 1170 km west-northwest of Mumbai (Maharashtra), 860 km east-northeast of Salalah (Oman) and 330 km east-southeast of Masirah (Oman). It is very likely to continue to move west-southwestwards across westcentral Arabian Sea during next 4 days. It is very likely to weaken into a Severe Cyclonic Storm by early hours of 31st October and into a Cyclonic Storm by forenoon of 31st October, 2019.
- 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 Kerala & Mahe and Tamilnadu, Puducherry & Karaikal; at many places over Rayalaseema, Gujarat region, South Interior Karnataka and Lakshadweep; at a few places over Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, Telangana and Andaman & Nicobar Islands and at isolated places over East Rajasthan, Madhya Pradesh, Madhya Maharashtra, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Marathwada, Vidarbha, Chhattisgarh and Coastal & North Interior Karnataka. Rainfall recorded at 0830 hours IST of today (6 cm or more) are: Tiruttani-19; R.K.Pet-15; Sholingur and Papanasam-14 each; Ongole-12; Anand and Tindivanam-11 each; Honavar-10; Puducherry-9; Minicoy Island, Kodaikanal and Kavali-8 each; Surendranagar, Palayankottai, Tuticorin, Coonoor and Tirupathi-7 each; Vadodara and Chennai-6 each. Heavy to very heavy rainfall observed at isolated places over Tamilnadu and Coastal Andhra Pradesh; Heavy rainfall observed at isolated places over Gujarat, Rayalaseema and Lakshadweep. Thunderstorm observed (from 0830 hours IST to 1430 hours IST of today): at isolated places over Telangana and Coastal Andhra Pradesh & Yanam.
- Maximum Temperature Departures as on 29-10-2019: Maximum temperatures were above normal (1.6°C to 3.0°C) at most places over Nagaland, Manipur, Mizoram & Tripura; at many places over Jammu & Kashmir, Himachal Pradesh, Chhattisgarh and Coastal Karnataka; at a few places over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Kerala & Mahe and Andaman & Nicobar Islands; at isolated places over East Madhya Pradesh, Odisha and Lakshadweep. They were appreciably below normal (-3.1°C to -5.0°C) at isolated places over West Uttar Pradesh and Rajasthan; below normal (-1.6°C to -3.0°C) at many places over Gujarat; at a few places over Haryana, Chandigarh & Delhi, West Madhya Pradesh, South Interior Karnataka and Tamil Nadu Puducherry; at isolated places over Uttarakhand, Madhya Maharashtra and Gangetic West Bengal and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 36.2°C was recorded at Vengurla (Konkan & Goa).
- Minimum Temperature Departures as on 30-10-2019: Minimum temperatures are markedly above normal (5.1°C or more) at a few places over West Rajasthan and West Madhya Pradesh; at isolated places over East Rajasthan and East Madhya Pradesh; appreciably above normal (3.1°C to 5.0°C) at many places over Punjab, Haryana, Chandigarh & Delhi, Uttarakhand and West Uttar Pradesh; at a few places over Gujarat and Madhya Maharashtra; at isolated places over Vidarbha,

Telangana, East Uttar Pradesh and Nagaland, Manipur, Mizoram & Tripura; above normal (1.6°C to 3.0°C) at many places over Himachal Pradesh, Chhattisgarh and Marathwada; at a few places over Odisha, Coastal Andhra Pradesh & Yanam and North Interior Karnataka; at isolated places over Jharkhand, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Konkan & Goa and Kerala & Mahe. They are below normal (-1.6°C to -3.0°C) at isolated places over Tamilnadu, Puducherry & Karaikal and near normal over rest parts of the country. The lowest minimum temperature of 15.0°C recorded at Chittorgarh (East Rajasthan), Betul (West Madhya Pradesh) and Sundargarh (Odisha) each.

Weather Warning during next 5 days (IMD)

- 30 October (Day 1): Heavy to very heavy rainfall with extremely heavy falls very likely at isolated places over Lakshadweep; Heavy to very heavy rainfall at isolated places over Kerala & Mahe and Tamilnadu, Puducherry & Karaikal and Heavy rainfall at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana and Coastal & South Interior Karnataka. Thunderstorm accompanied with lightning very likely at isolated places over West Madhya Pradesh, Vidarbha, Madhya Maharashtra, Marathwada, Gujarat region, Coastal Andhra Pradesh & Yanam, Telangana, Rayalseema, Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe. Squally winds, speed reaching 40-50 kmph gusting to 60 kmph, likely over Comorin-Maldives areas and adjoining Lakshadweep area; wind speed reaching 35-45 kmph gusting to 55 kmph likely along & off Kerala-Karnataka coasts. Gale winds, speed reaching 145-155 kmph gusting to 170 kmph, very likely over westcentral and adjoining eastcentral & northeast Arabian Sea. Sea condition is very likely to phenomenal over westcentral and adjoining north Arabian Sea; high to very high over eastcentral Arabian Sea and rough to very rough over southeast Arabian Sea & adjoining Comorin-Lakshadweep-Maldives areas and along & off Kerala and south Karnataka coasts. Fishermen are advised not to venture into these areas.
- 31 October (Day 2): Heavy to very heavy rainfall with extremely heavy falls very likely at isolated places over Lakshadweep; heavy to very heavy rainfall at isolated places over Kerala & Mahe and Coastal Karnataka and heavy rainfall at isolated places over Tamilnadu, Puducherry & Karaikal, Konkan & Goa and South Interior Karnataka. Thunderstorm accompanied with lightning very likely at isolated places over Vidarbha, Madhya Maharashtra, Chhattisgarh, Assam & Meghalaya, south Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalseema, Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe.

Squally winds, speed reaching 50-60 kmph gusting to 70 kmph, likely over Lakshadweep area and southeast & adjoining eastcentral Arabian Sea and wind speed reaching 35-45 kmph gusting to 55 kmph likely along & off Kerala-Karnataka coasts. Gale winds, speed reaching 90-100 kmph gusting to 110 kmph, likely over westcentral Arabian Sea. Sea condition is likely to high to very high over westcentral and adjoining eastcentral & northeast Arabian Sea and rough to very rough over southeast Arabian Sea & adjoining Lakshadweep-Maldives areas and along & off Kerala-south Karnataka coasts. Fishermen are advised not to venture into these areas.

- 01 November (Day 3): Heavy rainfall very likely at isolated places over Kerala & Mahe, Lakshadweep and Madhya Maharashtra. Thunderstorm accompanied with lightning and hail very likely at isolated places over Jammu & Kashmir; with lightning at isolated places over Konkan & Goa, Madhya Maharashtra, Marathawada and Vidarbha. Squally wind, speed reaching 60-70 kmph gusting to 80 kmph, likely to prevail over southeast & adjoining eastcentral Arabian Sea. Gale winds, speed reaching 65-75 kmph gusting to 85 kmph, likely over westcentral Arabian Sea. Fishermen are advised not to venture into these areas. Sea condition is likely to high to very high over southeast and adjoining eastcentral Arabian Sea. Fishermen are advised not to venture into these areas.
- 02 November (Day 4): Heavy rainfall likely at isolated places over Madhya Maharashtra. Thunderstorm accompanied with lightning and hail likely at isolated places over Jammu & Kashmir and Himachal Pradesh; with lightning at isolated places over Marathawada and Vidarbha. Squally wind, speed reaching 60-70 kmph gusting to 80 kmph, likely to prevail over southeast & adjoining eastcentral Arabian Sea. Fishermen are advised not to venture into these areas. Sea condition is likely to high to very high over southeast and adjoining eastcentral Arabian Sea. Fishermen are advised not to venture into these areas.
- 03 November (Day 5): Heavy rainfall likely at isolated places over Andaman & Nicobar Islands.
- The weather outlook for the period of seven days i.e., 29 October to 06 November 2019 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>) rain/thundershower may occur over Some parts of Kerala. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

South Karnataka

Weather condition:

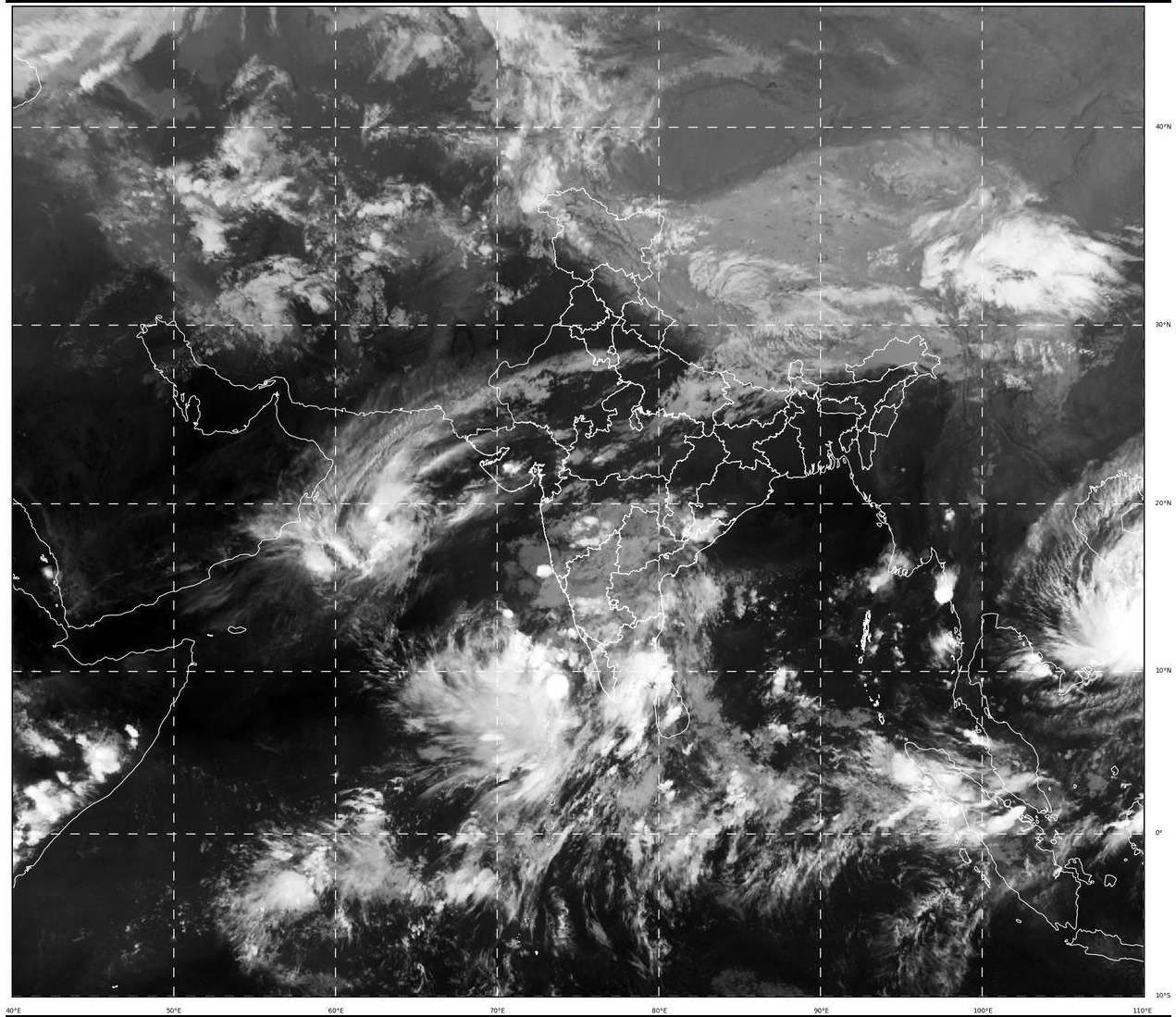
Light to medium rainfall received over South Karnataka region during past few days. The maximum temperature was ranged between 26-29°C and minimum temperature was ranged between 16-19°C.

Contingency measure:

- Swathi rainstar will start from October 23rd and remain upto November 5th. The normal rainfall of Swathi rainstar is 47.9 mm. Prepare the land for sowing of rabi crops as it is an ideal condition for sowing of Rabi crops.
- The continuous rainfall is observed in the last couple of days, weeds competition in crop field is also observed, intercultural operation is recommended to overcome weeds infestation.
- Maize: To control stem borer in Maize Spray Quinolphos-25 EC @ 2ml/liter of water or Chlorophyriphos -20 EC @ 2ml/liter of water.
- Red gram: If Wilt diseases noticed in field ?Drenching Carbendazim 50 WP 2 g/litre of water. Remove and burn the wilt infected plant in field.
- Since rainfall aberration are extreme these days hence farmers are advised to take up planting for mango, Jack fruit and Jamun on the bunds Mango. Canopy thinning is suggested for proper penetration of sunlight. Mango cultivar such as Badam, Kesar and Dasherri varieties produces more yield in first two years after subsequent years the yield get reduced due to irregular flower bearing. Hence application of 5 ml Paclobutrazol compound mixed with 10 litre of water and apply in 3 feet distance between stem (usually in September-October month) is recommended.

SAT : INSAT-3D IMG
IMG_TIR2 12.0 um
LIC Mercator

30-10-2019/(1500 to 1526) GMT
30-10-2019/(2030 to 2056) IST



492

941

IMD, DELHI

**Figure: 1. Latest available satellite picture as on 30 October 2019 at 2030 Hrs (IST).
(Source: IMD).**

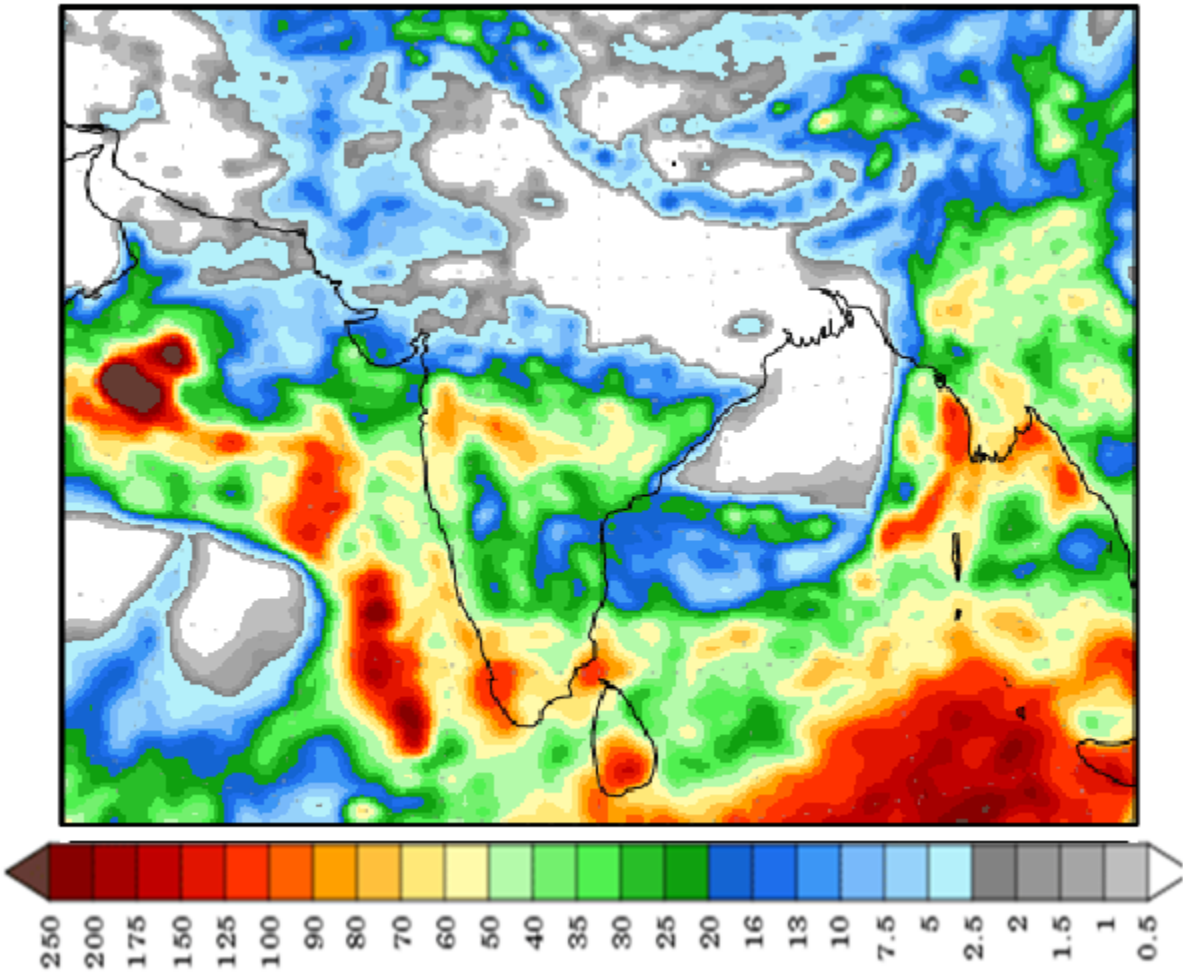


Figure:2. Precipitation forecast for 30 October to 07 November 2019 (Source: NOAA NCEP). *Disclaimer: The predictability of weather depends on many factors which are dynamic in nature. The success of Agromet advisories provided here depends on the accuracy of the forecasts. In no event will India Meteorological Department (IMD) and Indian Council of Agricultural Research (ICAR) be liable to the user or to any third party for any direct, indirect, incidental, consequential, special or exemplary damages or lost profit resulting from any use or misuse of the information on this bulletin.*