

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

Daily Crop Weather Information as on 06 November 2021

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- A cyclonic circulation lies over Southeast Bay of Bengal off Sumatra Coast. Under its influence a low pressure area is likely to form over Southeast Bay of Bengal around 9th. It is likely to become more marked and move west northwestwards towards north Tami Nadu coast during the subsequent 48 hours. In association with the above system:
 - (i) Increase in rainfall activity with heavy to very heavy rainfall at a few places and extremely heavy rain at isolated places likely over north coastal Tamilnadu and heavy to very heavy rainfall at a few places over south coastal Andhra Pradesh during 11th-12th November, 2021.
 - (ii) Fisherman are advised not to venture into southeast Bay of Bengal during 09th-10th and over southwest Bay of Bengal and along & off Tamilnadu and adjoining Andhra Pradesh coast during 10th-12th November, 2021. Fishermen out in the deep sea are advised to return to the coast by 09th November, 2021.
- The Well Marked Low Pressure Area lies over Eastcentral Arabian Sea. It is likely to move north northwestwards and concentrate into a Depression over the same region during next 24 hours. Then it is likely to move west northwestwards away from the west coast of India. Under its influence:
 - (i) Squally wind (speed reaching 50 kmph to 60 kmph gusting to 70 kmph) very likely over eastcentral Arabian Sea during 06th-07th and Squally wind (speed reaching 40 kmph to 50 kmph gusting to 60 kmph) over eastcentral Arabian Sea during 08th-10th November, 2021. Fishermen are advised not to venture into these areas.
 - (ii) Squally wind (speed reaching 40 kmph to 50 kmph gusting to 60 kmph) along & off Maharashtra coast during 06th-07th and along & off Goa-Karnataka coast on 06th November, 2021. Fishermen are advised not to venture into these areas.
- Heavy rainfall and thunderstorm warning during 06th-10th November, 2021.
 - (i) Heavy rainfall at isolated places very likely over Tamil Nadu, Puducherry & Karaikal during next 5 days; over Kerala & Mahe on 08th; over Coastal Andhra Pradesh & Yanam on 08th & 9th; over south Interior Karnataka during 06th-09th

and over coastal Karnataka, south Konkan, Goa & Rayalaseema on 06th November, 2021.

(ii) Very heavy rainfall also likely over Tamil Nadu, Puducherry & Karaikal on 06th November, 2021.

(iii) Mainly dry weather very likely to prevail over most parts of northwest, central, east & northeast India and over some parts of west India during next 05 days.

- The images showing the latest satellite picture in the figure. 1.

Main Weather Observations (IMD)

- Rainfall/Thundershowers observed (from 0830 hrs IST of yesterday to 0830 hours IST of today): at most places over Coastal Karnataka and Andaman & Nicobar islands; at many places over Konkan & Goa, South Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Lakshadweep; at a few places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Coastal Andhra Pradesh & Yanam and Kerala & Mahe and at isolated places over Odisha, Madhya Maharashtra and North Interior Karnataka
- Very Heavy rainfall recorded (from 0830 hrs IST of yesterday to 0830 hours IST of today): Tami Nadu.
- Thunderstorm observed (from 0830 hrs IST of yesterday to 0830 hours IST of today): at isolated places over Konkan & Goa, Madhya Maharashtra, Coastal & South Interior Karnataka, Lakshadweep, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe.
- Maximum Temperature Departures as on 05-11-2021: Maximum temperatures were above normal (1.6°C to 3.0°C) at many places over Assam & Meghalaya and at isolated places over Tamilnadu, Puducherry & Karaikal. They were appreciably below normal (-3.1°C to -5.0°C) at many places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad; at isolated places over Haryana, Chandigarh & Delhi, East Uttar Pradesh; below normal (-1.6°C to -3.0°C) at many places over and East Rajasthan, Coastal Andhra Pradesh & Yanam and West Uttar Pradesh; at a few places over Gangetic West Bengal and Bihar and at isolated places over Saurashtra & Kutch and Madhya Pradesh and near normal at rest parts of the country. Yesterday, the maximum temperature 37.0°C was reported at Mumbai(SCZ) (Konkan & Goa).
- Minimum Temperature Departures as on 06-11-2021: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at many places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Madhya Maharashtra; at isolated places

over Konkan & Goa; above normal (1.6°C to 3.0°C) at most places over South Interior Karnataka; at many places over Marathwada ; at a few places over Telangana; at isolated places over West Rajasthan and Andaman & Nicobar. They are appreciably below normal (-3.1°C to -5.0°C) at many places over Gangetic West Bengal, East Rajasthan and Nagaland, Manipur, Mizoram & Tripura at isolated places over Bihar; below normal (-1.6°C to -3.0°C) at most places over Jharkhand and Assam & Meghalaya; many places over Haryana, Chandigarh & Delhi, West Uttar Pradesh, Madhya Pradesh; at a few places over Sub-Himalayan West Bengal & Sikkim, Odisha and at isolated places over Gujarat Region and near normal over rest parts of the country. Today, the lowest minimum temperature of 8.5°C is reported at Sikar (East Rajasthan) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 06 November (Day 1): Heavy to very heavy rainfall very likely at isolated places over Tamil Nadu, Puducherry & Karaikal and heavy rainfall at isolated places over Rayalaseema, Coastal & South Interior Karnataka, south Konkan & Goa, Coastal Andhra Pradesh & Yanam and Andaman & Nicobar. Thunderstorm accompanied with lightning very likely at isolated places over south Konkan & Goa, south Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Squally weather (speed reaching 50-60 kmph gusting to 70 kmph) very likely over Eastcentral Arabian sea; (speed reaching 40-50 kmph gusting to 60 kmph) along & off Maharashtra-Goa Karnataka coasts, Westcentral & South Bay of Bengal along & off south Coastal Andhra Pradesh-north Tamilnadu Coasts. Fishermen are advised not to venture into these areas.
- 07 November (Day 2): Heavy rainfall very likely at isolated places over South Interior Karnataka, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Andaman & Nicobar islands. Thunderstorm accompanied with lightning very likely at isolated places over south Konkan & Goa, Coastal Andhra Pradesh & Yanam, Rayalaseema, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Andaman & Nicobar Islands. Squally weather (speed reaching 50-60 kmph gusting to 70 kmph) very likely over Eastcentral Arabian sea; (speed reaching 40-50 kmph gusting to 60 kmph) along & off Maharashtra coast, South Bay of Bengal along & off north Tamil Nadu coast. Fishermen are advised not to venture into these areas.

- 08 November (Day 3): Heavy rainfall very likely at isolated places over South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Andaman & Nicobar islands. Thunderstorm accompanied with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Andaman & Nicobar Islands. Squally weather (speed reaching 40-50 kmph gusting to 60 kmph) very likely over Eastcentral, South Bay of Bengal, Comorin area, Gulf of Mannar, along & off Tamil Nadu coast. Fishermen are advised not to venture into these areas.
- 09 November (Day 4): Heavy rainfall likely at isolated places over Tamil Nadu, Puducherry & Karaikal. Thunderstorm accompanied with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Coastal Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe. Squally weather (speed reaching 40-50 kmph gusting to 60 kmph) likely over Eastcentral Arabian sea, South Bay of Bengal, Comorin area, Gulf of Mannar, along & off south Andhra-Tamil Nadu coasts. Fishermen are advised not to venture into these areas.
- 10 November (Day 5): Heavy to very heavy rainfall likely at isolated places over Tamil Nadu, Puducherry & Karaikal and heavy rainfall at isolated places over Coastal Andhra Pradesh & Yanam. Thunderstorm accompanied with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Coastal Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Squally weather (speed reaching 40-50 kmph gusting to 60 kmph) likely over Eastcentral Arabian sea, South & Westcentral Bay of Bengal Comorin area, Gulf of Mannar and along & off south Andhra Pradesh-Tamil Nadu coasts. Fishermen are advised not to venture into these areas
- The weather outlook for seven days i.e., 06 Nov to 14 Nov 2021 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)

West Bengal

Weather condition:

Weather conditions during the 44th week at Mohanpur, West Bengal: Maximum temperature: 30.0 to 32.0 0C, minimum temperature: 18.5 to 23.0 0C, bright sun shine

hours: 7.6 to 9.3 hours, Morning-time relative Humidity: 81 to 91 %, after noon-time R.H: 45 to 60%, weekly total pan evaporation: 16.2 mm, total weekly rainfall: 0.0 mm and average daily wind speed is around 0.3 km/h.

Contingency measure:

- Rice: Farmers are advised for, not to burn the residue of kharif crops (paddy) in the fields because it not only pollute the environment but also causes the severe health (respiratory) problems. The smog formed due to burning of residue reduces the solarradiations received to the crops and decrease the process of photosynthesis and evapotranspiration, which affect the quality and quantity of all crops. Farmers are advised to mix the residue of kharif crops in the soil. It increases the soil fertility. It can be used as mulching for deceasing soil evaporation and to conserve soil moisture. Pusa decomposer capsule can be used @ 4 capsule /ha for decomposing the residue of the paddy.;
- Lentil: Present weather conditions are suitable for sowing of lentil, gram, field pea, khesari , arhar etc after harvesting of prekharif and kharif rice. Lentil (variety- Maitri) : seed rate 4 kg per bigha , bengal Gram (variety- Jaki 92-18) : seed rate 8 kg per bigha , field pea (variety- Rachana, Prakash): seed rate 8 kg per bigha, khesari (Ratan, Pratik) seed rate 8 kg per bigha. Seeds should be mixed with Rhizobium culture @200 g per bigha .Pulse may be sown as Paira crop with the help of residual moisture of paddy field or may be sown as mixed crop with mustard, linseed ,wheat etc.;
- Garden pea: Present weather conditions are suitable for sowing of pea. Seed should be treated with fungicides, Captan or Thiram @ 2 gm/ kilogram and after that with crop-specific Rhizobium culture. A solution of jaggary and water after boiling should be allowed to cool down and then seeds along with Rhizobium should be thoroughly mixed. The mixture should be allowed to dry in a shade. It is highly recommended that the treated seeds should be sown after 24 hours of treatment.

SAT : INSAT-3D IMG
IMG_TIR1 10.8 um
LIC Mercator

06-11-2021/(0800 to 0826) GMT
06-11-2021/(1330 to 1356) IST

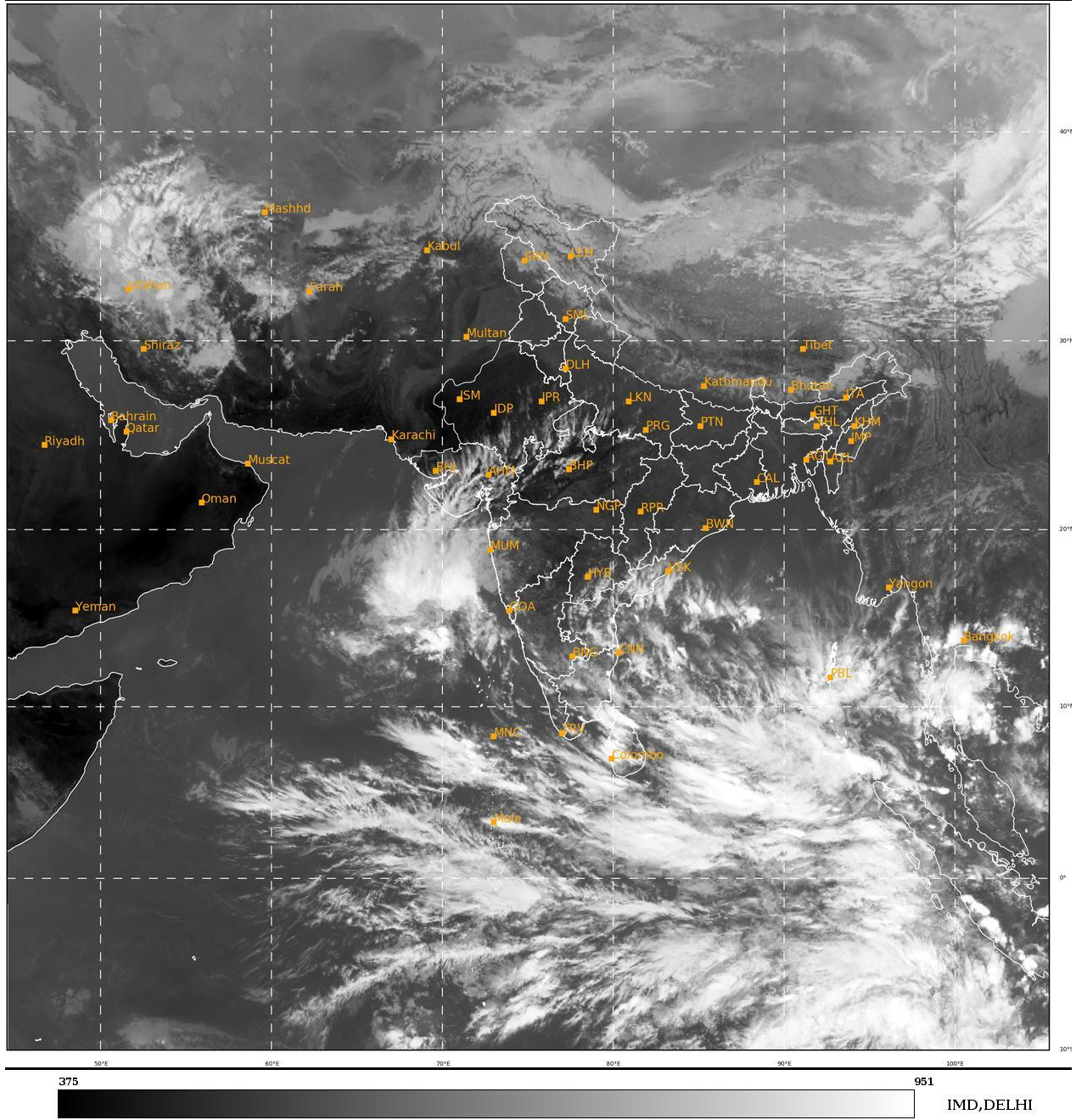


Figure: 1. Latest available satellite picture as on 06 Nov 2021 at 1356 Hrs (IST). (Source: IMD).

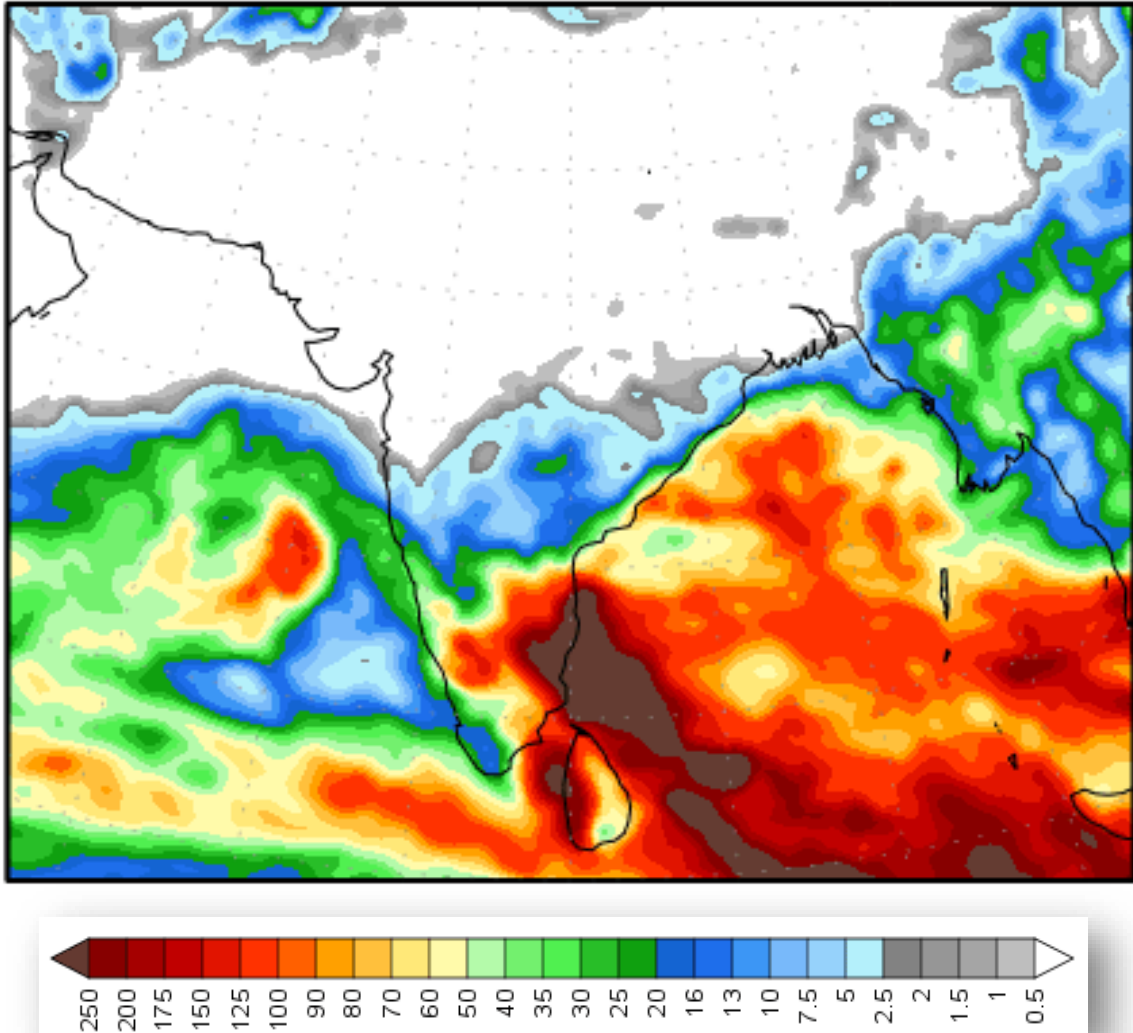


Figure:2. Precipitation forecast for 06 Nov to 14 Nov 2021 (Source: NOAA NCEP).

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