

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 26 November 2021

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Significant Weather Features (IMD)

- A cyclonic circulation lies over Comorin area and adjoining Sri Lanka coast and strong northeasterly winds are prevailing over Tamilnadu coast and south Coastal Andhra Pradesh at lower levels.
- Under its influence:
- Light to moderate fairly widespread to widespread rainfall very likely over Tamilnadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep area and Scattered to fairly widespread rainfall over Coastal Andhra Pradesh & Yanam, Rayalaseema during next 4-5 days.
- Isolated heavy to very heavy rainfall very likely over Tamilnadu, Puducherry & Karaikal during 26th to 29th November. Isolated Extremely Heavy falls also likely over north Tamilnadu today, the 26th Nov, 2021. Isolated heavy rainfall very likely over Coastal Andhra Pradesh & Yanam and Rayalaseema on 26th & 27th and isolated heavy to very heavy falls on 28th & 29th November, 2021. Isolated heavy rainfall also very likely over Kerala & Mahe during 26th to 29th November.
- Squally winds (speed reaching 40-50 kmph gusting to 60 kmph) very likely over Comorin area, Gulf of Mannar, along & off south Tamilnadu coast and adjoining southwest Bay of Bengal on 26th & 27th November. Fishermen are advised not to venture into these areas.
- A Low Pressure Area is likely to form over south Andaman Sea around 29th November, 2021. It is likely to become more marked and move westnorthwestwards during subsequent 48 hours. Under its influence, isolated heavy rainfall likely over Andaman & Nicobar Islands on 29th & 30th November, 2021.
- Squally weather with maximum sustained wind speed reaching 40-50 gusting to 60 kmph is likely to prevail over Andaman Sea and neighbourhood during 30th November to 2nd December. Fishermen are advised to be cautious and avoid venturing into these areas during 30th November to 2nd December.
- The images showing the latest satellite picture in the figure. 1.

Main Weather Observations (IMD)

- Tamilnadu, Puducherry & Karaikal and Kerala & Mahe; at many places over Lakshadweep; at a few places over Arunachal Pradesh and at isolated places over Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Coastal Andhra Pradesh & Yanam, Rayalaseema and south Interior Karnataka.
- Heavy Rainfall observed (from 0830 hrs IST of yesterday to 0830 hours IST of today): Extremely heavy rainfall at isolated places over Tamilnadu, Puducherry & Karaikal and heavy rainfall at isolated places over Andaman & Nicobar Islands and South Kerala.
- Fog observed (at 0830 hrs IST of today): Moderate to dense fog in Isolated pockets over Bihar; Shallow to moderate fog in isolated pockets over Delhi, Uttarakhand, East Rajasthan, north Punjab, East Uttar Pradesh, East Bihar, Coastal Odisha, north Sikkim, central Assam, West Tamilnadu and Manipur.
- Thunderstorm observed (from 0830 hrs IST of yesterday to 0830 hrs IST of today): at isolated places over Kerala & Mahe and Tamilnadu, Puducherry & Karaikal.
- Minimum Temperature Departures (as on 26-11-2021): Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at many places over Madhya Maharashtra; at a few places over Vidarbha, Konkan & Goa, Marathwada, Telangana, Chhattisgarh and Odisha and at isolated places over West Rajasthan, Rayalaseema and Coastal Andhra Pradesh & Yanam; above normal (1.6°C to 3.0°C) at many places over South Interior Karnataka; at a few places over East Rajasthan, Madhya Pradesh, Coastal & North Interior Karnataka, Jharkhand and Gangetic West Bengal and at isolated places over Gujarat Region and North Tamilnadu. They are below normal (-1.6°C to -3.0°C) at a few places over Bihar and at isolated places over Himachal Pradesh, East Rajasthan, Saurashtra & Kutch and Assam & Meghalaya and near normal over rest parts of the country. Today, the Lowest minimum temperature of 6.3°C is reported at UNA (Himachal Pradesh) over the plains of the country.
- Maximum Temperature Departures (as on 25-11-2021): Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Telangana and West Rajasthan; above normal (1.6°C to 3.0°C) at many places over Marathawada and Jharkhand; at a few places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Haryana, Chandigarh & Delhi, East Rajasthan, Gangetic West Bengal, Odisha and Konkan & Goa; at isolated places over Madhya Pradesh, Gujarat state, Madhya Maharashtra and Coastal Andhra Pradesh & Yanam. They were markedly below normal (-5.1°C or less) at isolated places over Kerala & Mahe; appreciably below normal (-3.1°C to -5.0°C) at a few places over

Sub-Himalayan West Bengal & Sikkim and Bihar; at isolated places over Tamilnadu, Puducherry & Karaikal; below normal (-1.6°C to -3.0°C) at a few places over Andaman & Nicobar Islands and East Uttar Pradesh and near normal at rest parts of the country. Yesterday, the highest maximum temperature 36.0°C was reported at Ratnagiri (Konkan & Goa).

Weather Warning during the next 5 days (IMD)

- 26 November (Day 1): Heavy to very heavy rainfall with isolated Extremely Heavy falls very likely at isolated places over north Tamil Nadu, Puducherry & Karaikal and Heavy rainfall at isolated places over south Coastal Andhra Pradesh, Rayalaseema and Kerala & Mahe. Thunderstorm accompanied with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Dense fog very likely in isolated pockets over Assam & Meghalaya. Squally winds (speed reaching 40-50 kmph gusting to 60 kmph) very likely over Comorin area, Gulf of Mannar, along & off south Tamilnadu coast and adjoining southwest Bay of Bengal. Fishermen are advised not to venture into these areas.
- 27 November (Day 2): Heavy to very heavy rainfall very likely at isolated places over Tamil Nadu, Puducherry & Karaikal and Heavy rainfall at isolated places over Coastal Andhra Pradesh, Rayalaseema and Kerala & Mahe. Thunderstorm accompanied with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Squally winds (speed reaching 40-50 kmph gusting to 60 kmph) very likely over Comorin area, Gulf of Mannar, along & off south Tamilnadu coast and adjoining southwest Bay of Bengal. Fishermen are advised not to venture into these areas.
- 28 November (Day 3): Heavy to very heavy rainfall very likely at isolated places over Tamil Nadu, Puducherry & Karaikal ,Coastal Andhra Pradesh and Rayalaseema and Heavy rainfall at isolated places over Kerala & Mahe. Thunderstorm accompanied with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- 29 November (Day 4): Heavy to very heavy rainfall likely at isolated places over Coastal Andhra Pradesh and Rayalaseema and Heavy rainfall at isolated places over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Andaman & Nicobar Islands Thunderstorm accompanied with lightning and (gusty wind 30-40 kmph) likely at isolated places over Andaman & Nicobar Islands with lightning at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema ,

Konkan & Goa and Tamil Nadu, Puducherry & Karaikal. Squally winds (speed reaching 40-50 kmph gusting to 60 kmph) likely over Andaman Sea, Southeast & adjoining Eastcentral Bay of Bengal. Fishermen are advised not to venture into these areas.

- 30 November (Day 5): Heavy rainfall likely at isolated places over Andaman & Nicobar Islands. Thunderstorm accompanied with lightning and (gusty wind 30-40 kmph) likely at isolated places over Andaman & Nicobar Islands with lightning at isolated places over Konkan & Goa and Tamil Nadu, Puducherry & Karaikal. Squally winds (speed reaching 40-50 kmph gusting to 60 kmph) likely over Andaman Sea, Southeast & adjoining Eastcentral Bay of Bengal. Fishermen are advised not to venture into these areas.
- The weather outlook for seven days i.e., 26 Nov to 04 Dec 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 47th week at Mohanpur, West Bengal: Maximum temperature: 28.0 to 31.2 0C, Minimum temperature: 16.4 to 20.0 0C, bright sun shine hours:6.8 to 8.2 hours, Morning-time relative Humidity: 81 to 90 %, after noon-time R.H: 44 to 62 %, weekly total pan evaporation: 11.2 mm, total weekly rainfall:0.0 mm and average daily wind speed is 0.17 km/h.

Contingency measure:

- Rice: Continue rice harvesting . After drying & threshing ,grains should be properly dried to right moisture level. Dont burn the residue of the crop.
- Potato: Complete planting of potato in between 15th to 24th Nov. N:P:K dose 150 : 150 : 150 kg / ha may give the good result . The crop matures in 80-90 days. Medium high land , sandy loam to loamy soil , slightly acidic to neutral ph is ideal for potato cultivation. One deep ploughing , 2-3 cross & shallow ploughing make the soil well pulverized , loose , & friable with good tilth . 10- 15 ton well rotten organic manure must be mixed during first ploughing . Apply phorate 10 G @ 15 Kg/ha to control soil borne insect. Collect certified seed tuber

from Govt. approved organization . 25-45 g seed tuber must be treated with trichoderma viridi or pseudomonas fluorescence solution. Recommended dose of N :P:K is 180-200 : 150 : 150 Kg/ha. Nitrogen should be applied in split doses . Zn & B may be applied in case of micronutrient deficiency in the form of ZnSo₄ (25 Kg/ha) and Borax (10 Kg/ha) at the time of final land preparation .

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

26-11-2021/(0800 to 0827) GMT
26-11-2021/(1330 to 1357) IST

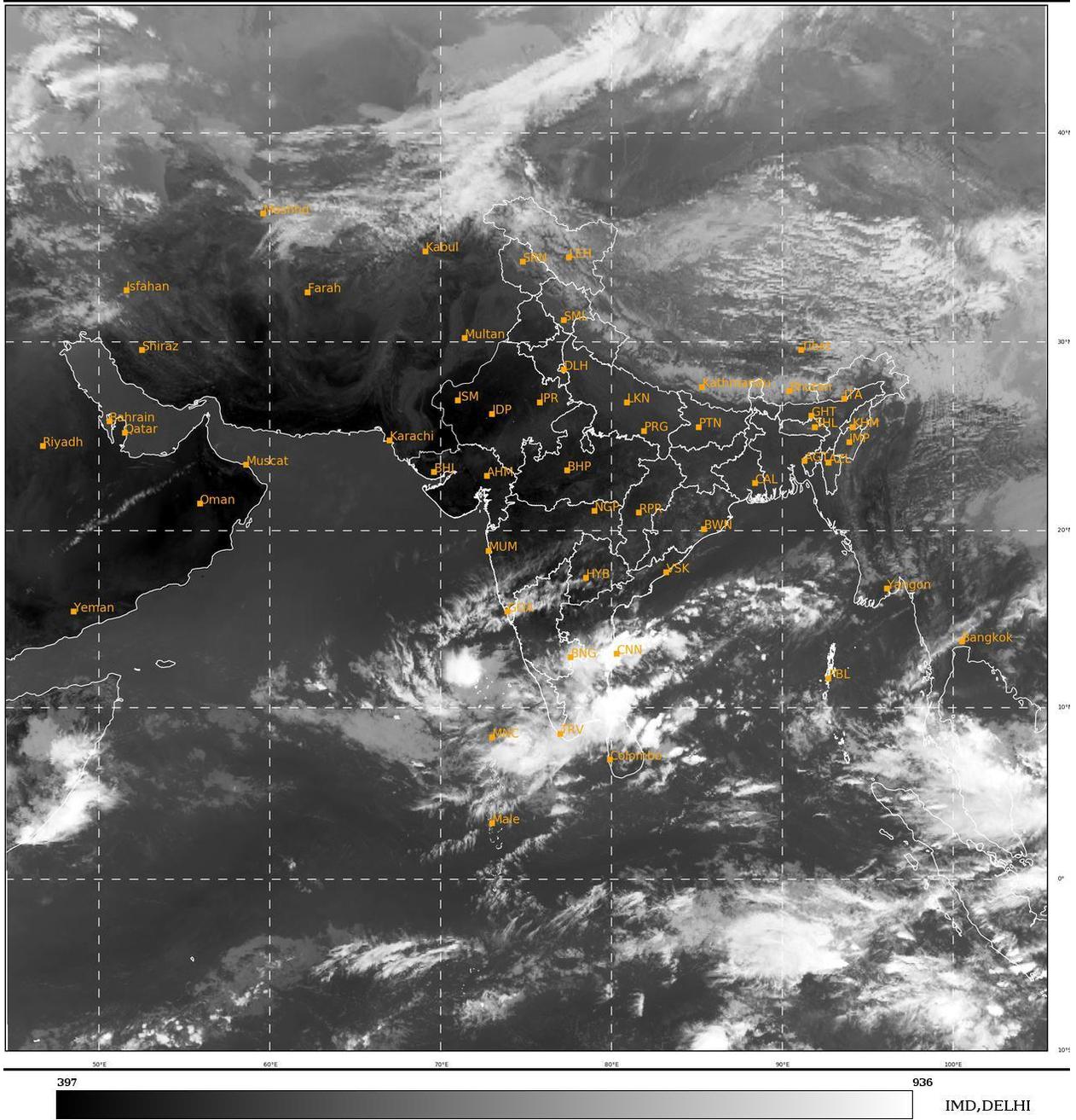


Figure: 1. Latest available satellite picture as on 26 Nov 2021 at 1357 Hrs (IST). (Source: IMD).

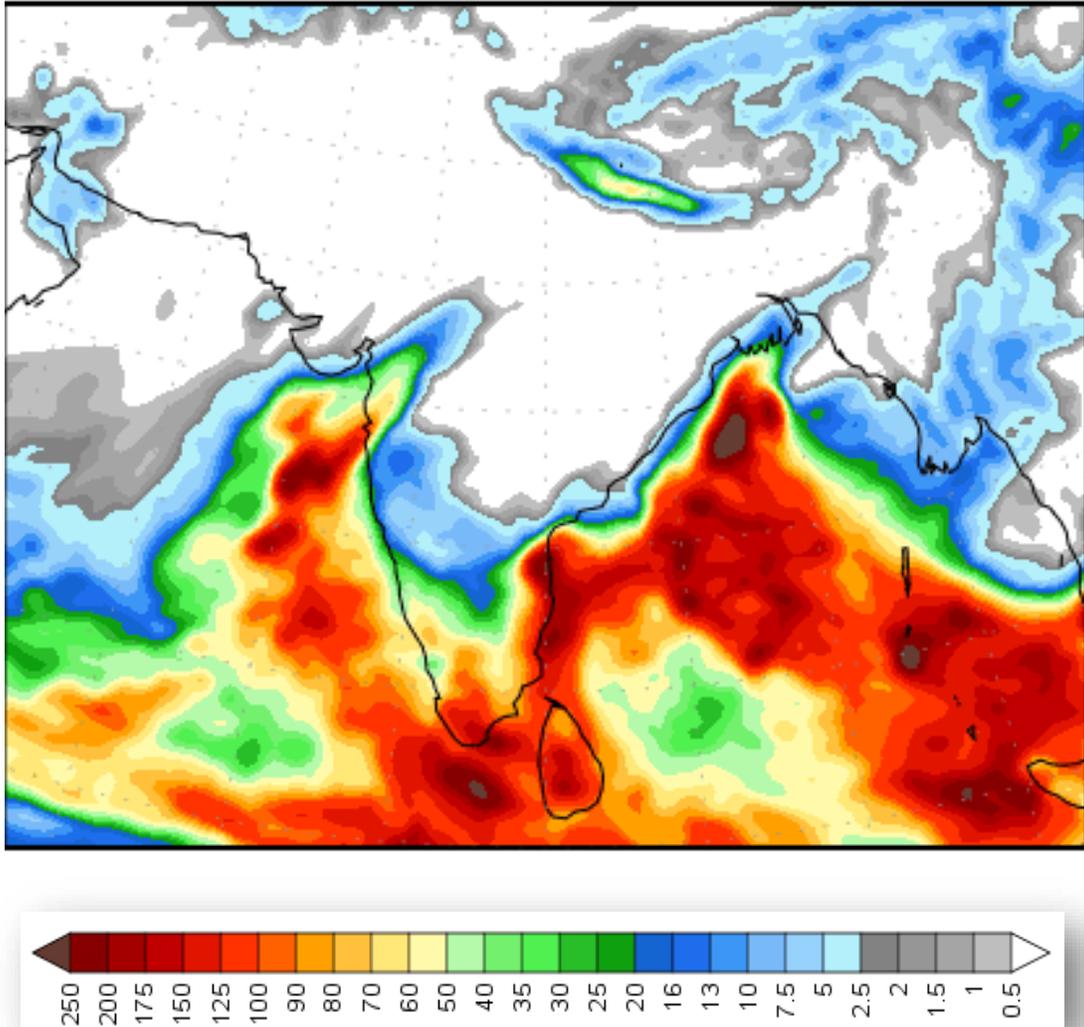


Figure:2. Precipitation forecast for 26 Nov to 04 Dec 2021 (Source: NOAA NCEP).

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