PRESS RELEASE
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भारत सरकार
Government of India
पृथ्वी विज्ञान मंत्रालय (एम. ओ. ई. एस.)
Ministry of Earth Sciences (MoES)
भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

Monthly Outlook for Rainfall and Temperature for November 2026

Highlights

a) Monthly rainfall for November 2026 over the South Peninsular India, consisting of five meteorological subdivisions (Tamil Nadu, Puducherry & Karaikkal, Coastal Andhra Pradesh & Yanam, Rayalaseema, Kerala & Mahe and South Interior Karnataka) is most likely to be below normal (<77% of Long Period Average (LPA)).

b) Below-normal rainfall is likely over most parts of the country except for some areas in central, northwest and Northeast India, where normal to above-normal rainfall is likely during November 2026.

c) During November, above-normal maximum temperatures are likely over most parts of the country except some regions along the foothills of Himalayas where normal to below normal maximum temperatures are expected.

d) During November, above normal minimum temperatures are likely over most parts of the country except in many parts of central and eastern India where normal to below normal minimum temperatures are likely.

e) Currently, very strong El Nino conditions are prevailing over the Equatorial Pacific Ocean. The latest Monsoon Mission couple Forecast System (MMCFS) and other global climate model forecasts indicate that very strong El Nino conditions are likely during November - December 2026.

f) The neutral Indian Ocean Dipole (IOD) is currently prevailing over the Indian Ocean. The latest Monsoon Mission couple Forecast System (MMCFS) and other global climate model forecasts indicate neutral IOD conditions are likely to continue during the post Monsoon Season (till December,2026)

IMD will issue Seasonal Outlook for December to January (DJF 2026) and monthly forecast for Rainfall and Temperature for December 2026 in the end of November 2026

Monthly Outlook for Rainfall and Temperature for November 2026

1. Background

The South Peninsular India, which includes five meteorological subdivisions (Tamil Nadu, Puducherry & Karaikkal, Coastal Andhra Pradesh & Yanam, Rayalaseema, Kerala & Mahe, and South Interior Karnataka), receives a substantial amount of rainfall during the October to December (OND) season. Since 2021, the India Meteorological Department (IMD) has implemented a new strategy for issuing monthly and seasonal operational forecasts for rainfall and temperature over the country. This new approach combines the existing statistical forecasting system with the newly developed Multi-Model Ensemble (MME) based forecasting system. The MME approach incorporates data from Coupled Global Climate Models (CGCMs) obtained from various global climate prediction and research centers, including IMD's Monsoon Mission Coupled Forecast System (MMCFS) model. Accordingly, IMD has issued various seasonal forecasts for the 2026 Southwest Monsoon season (June to September), as well as monthly rainfall forecasts for the entire country. IMD also issued forecasts for the Post-monsoon season (October to December) rainfall in South Peninsular India, along with the spatial distribution of probabilistic OND season rainfall forecasts over the country.

IMD has prepared the forecast for rainfall and temperature for November 2026 as given in the following sections.

2. Probabilistic Forecast for the Rainfall during November 2026

a) Monthly rainfall for November 2026 over the South Peninsular India, consisting of five meteorological subdivisions (Tamil Nadu, Puducherry & Karaikkal, Coastal Andhra Pradesh & Yanam, Rayalaseema, Kerala & Mahe and South Interior Karnataka) is most likely to be below normal (<77% of Long Period Average (LPA)). The LPA of rainfall over South Peninsular India during November, based on data from 1971 to 2020, is about 118.7 mm. Monthly rainfall over the country as a whole during November 2026 is also most likely to be below normal (<77% of LPA). The LPA of rainfall over the country during the month of November, based on data from 1971 to 2020, is about 29.7 mm.

The spatial distribution of probabilistic forecasts for the rainfall in tercile categories (above normal, normal, and below normal) over the country during November 2026 is shown in Fig.1. b). Below-normal rainfall is likely over most parts of the country except for some areas in central, northwest, east and Northeast India, where normal to above-normal rainfall is likely during November 2026. The dotted areas shown in the map receive very less rainfall during November as per climatology. There is no forecast signal from the model over the white-shaded areas within the land region.

3. Probabilistic Forecast of Temperatures over the Country during November 2026

Fig.2a and Fig.2b show a probabilistic forecast of the maximum and minimum temperatures, respectively, during November 2026. During November, above-normal maximum temperatures are likely over most parts of the country except some regions

along the foothills of the Himalayas where normal to below normal maximum temperatures are expected (Fig. 2a). During November, above normal minimum temperatures are likely over most parts of the country except in many parts of central and eastern India where normal to below normal minimum temperatures are likely (Fig. 2b).

4. SST conditions in the Pacific and the Indian Oceans

Currently, very strong El Nino conditions are prevailing over the Equatorial Pacific Ocean. The latest Monsoon Mission couple Forecast System (MMCFS) and other global climate model forecasts indicate that very strong El Nino conditions are likely during November- December 2026.

In addition to ENSO conditions over the Pacific, other factors, such as the Indian Ocean Sea Surface Temperatures (SSTs), also influence the Indian climate. The Indian Ocean Dipole (IOD) has currently exceeded the positive IOD threshold (+0.4 °C). However, sustained values above this threshold are required before an event is considered established. The latest Monsoon Mission couple Forecast System (MMCFS) and other global climate model forecasts indicate that neutral IOD conditions are likely to continue during the post Monsoon Season.(Till December,2026)

5. Extended Range Forecast and Short to Medium range forecast Services

IMD provides extended-range forecasts (7–day averaged forecasts for the next four weeks) of rainfall and maximum and minimum temperatures over the country, updated every week on Thursday. This is based on the Multi-model ensemble dynamical Extended Range Forecasting System currently operational at IMD.

The forecasts are available through the IMD website https://mausam.imd.gov.in/imd_latest/contents/extendedrangeforecast.php).

The extended-range forecast is complemented by short to medium-range forecasts issued daily by IMD.

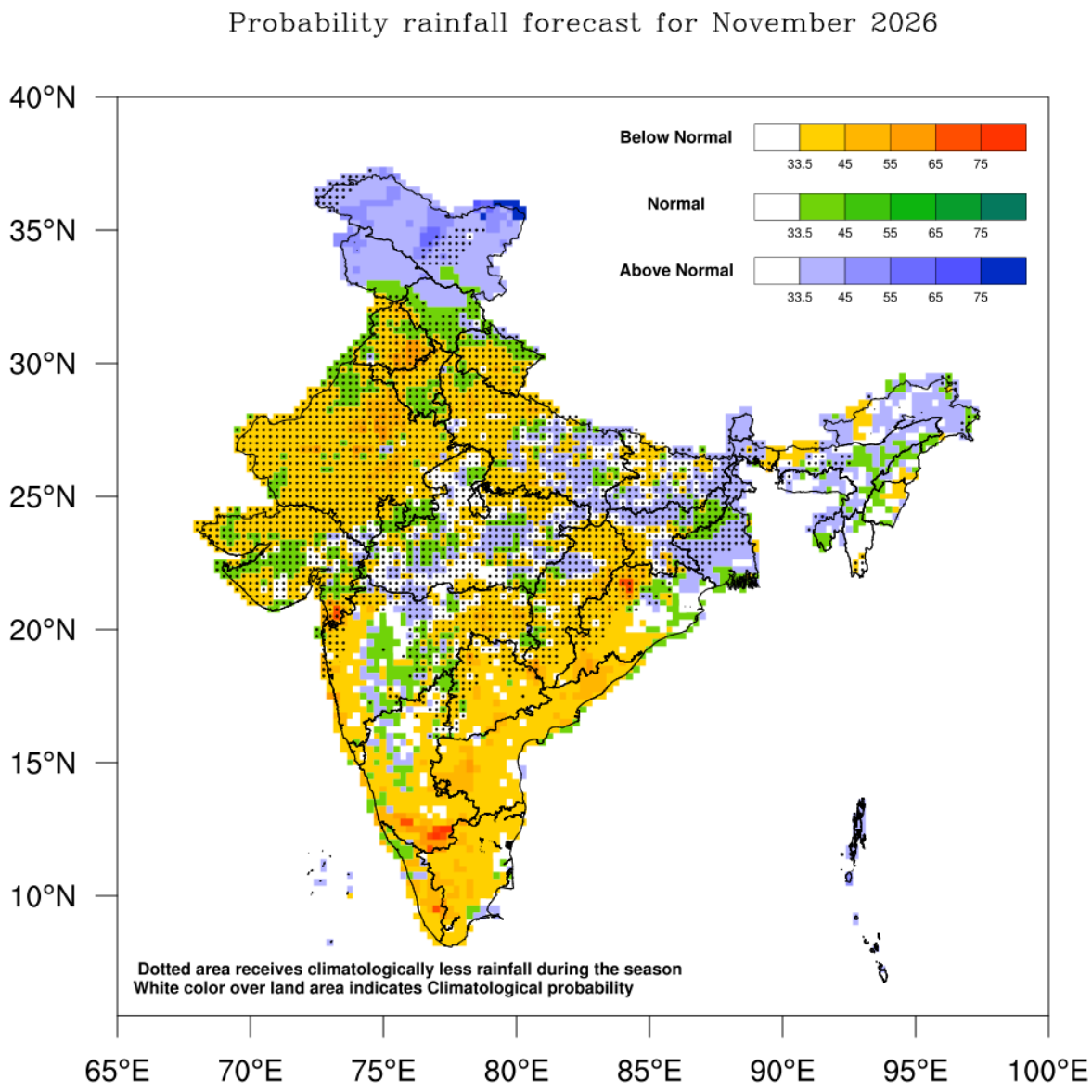


Fig.1. Probability forecast of rainfall in tercile categories* (below normal, normal, and above normal) over India during November, 2026. The figure illustrates the most likely categories as well as their probabilities. The dotted areas shown in the map climatologically receive very less rainfall during November and the white-shaded areas over the land represent no forecast signal by the model. (*Tercile categories have equal climatological probabilities of 33.33% each).

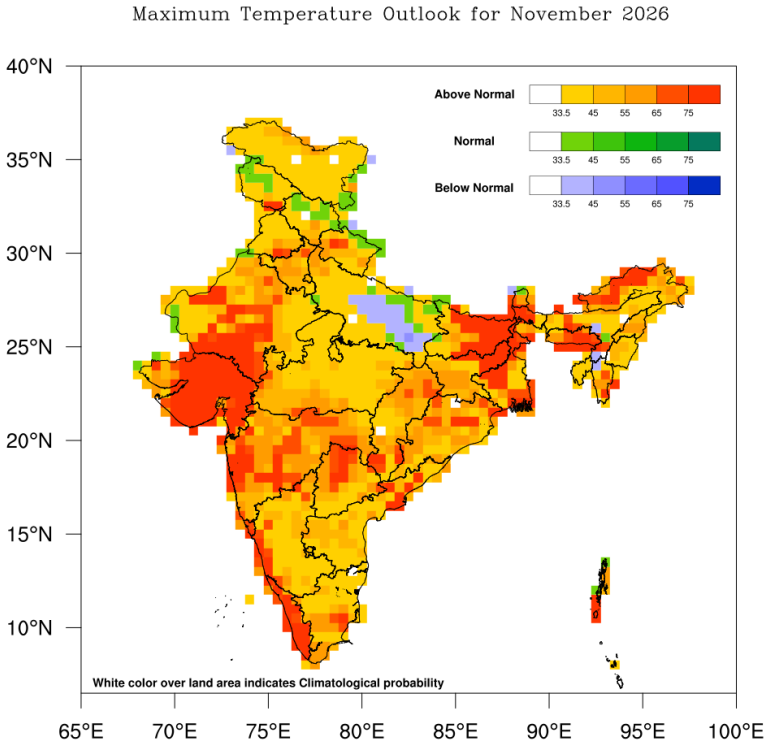


Fig.2a. Probability forecast of Maximum Temperature over India during November 2026.

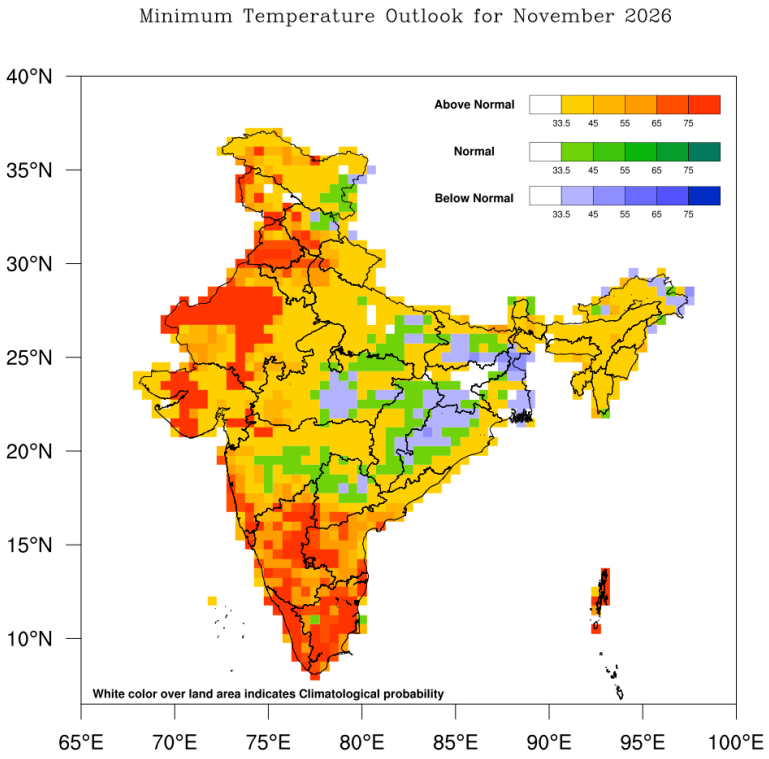


Fig.2b. Probability forecast of Minimum Temperature over India during November 2026.