



කාලගුණ විද්‍යා දෙපාර්තමේන්තුව
வளிமண்டலவியல் திணைக்களம்
Department of Meteorology

TP : 011 2686686
Fax : 011 2691443
E-mail : metnmc@gmail.com
Web : www.meteo.gov.lk

No SF-2025-02-R

Seasonal, Monthly and weekly Rainfall Forecasts for February-April 2025

Issued on 6th February 2025 by Seasonal Forecasting Division of the Department of Meteorology, Sri Lanka.

This consensus Climate Outlook for February to April 2025 season over Sri Lanka has been developed through an expert assessment of the prevailing global climate conditions influencing the South Asian climate and seasonal forecasts from different climate models around the world. La Niña conditions are present. Equatorial sea surface temperatures (SSTs) are below average in the central and east-central Pacific Ocean. La Niña conditions are expected to persist through February-April 2025 (59% chance), with a transition to ENSO-neutral likely during March-May 2025 (60% chance). The Indian Ocean Dipole (IOD) is currently considered neutral, with models suggesting it will remain neutral until at least April 2025;(meaning there is no significant positive or negative IOD phase occurring at this time.) Careful consideration is also given to other regional and global factors as well as the intraseasonal variability of the region that can affect the rainfall and temperature patterns over the country.

Seasonal Rainfall Forecast for February–April 2025 (FMA)

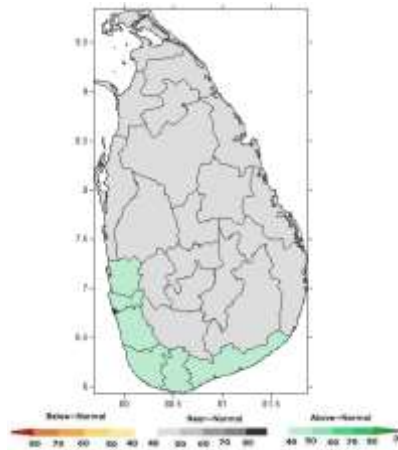


Fig 1: Consensus Probabilistic Monthly rainfall forecast for FMA 2025

There is a possibility for slightly above normal rainfall over Western and Southern provinces and near normal rainfall elsewhere of the country during FMA 2025 season as a whole. (Fig.01).

Monthly Rainfall Forecasts for February, March and April 2025




Month	Rainfall forecast
<p>February 2025</p> 	<p>There is a higher chance of having near normal rainfalls over most parts of the country. However, there is slight possibility for having slightly below normal rainfall over Jaffna, Killinochchi and Mullative districts.</p> <p>In addition to that ground frost is also possible during the month in Nuwara Eliya district.</p>
<p>March 2025</p> 	<p>There is a possibility for near normal rainfall over most parts of the country during the month of March 2025.</p>
<p>April 2025</p> 	<p>There is a possibility for having above normal rainfalls over Western province and Galle and Mathara districts and slightly below normal rainfalls over Central province and Badulla district. Near normal rainfalls are likely over elsewhere of the country during the month of April 2025.</p>

Fig 2. Monthly rainfall forecasts for February, March and April 2025

(District wise normal (mean) rainfall values are indicated in annex -1)

The predictability is also limited due to strong day-to-day atmospheric variability caused by the passage of the synoptic scale systems such as lows and depressions. Intraseasonal Oscillations such as Madden Julian Oscillations (MJO) is also another atmospheric phenomena which can't be underestimated.

Weekly Rainfall forecasts for the month of February 2025

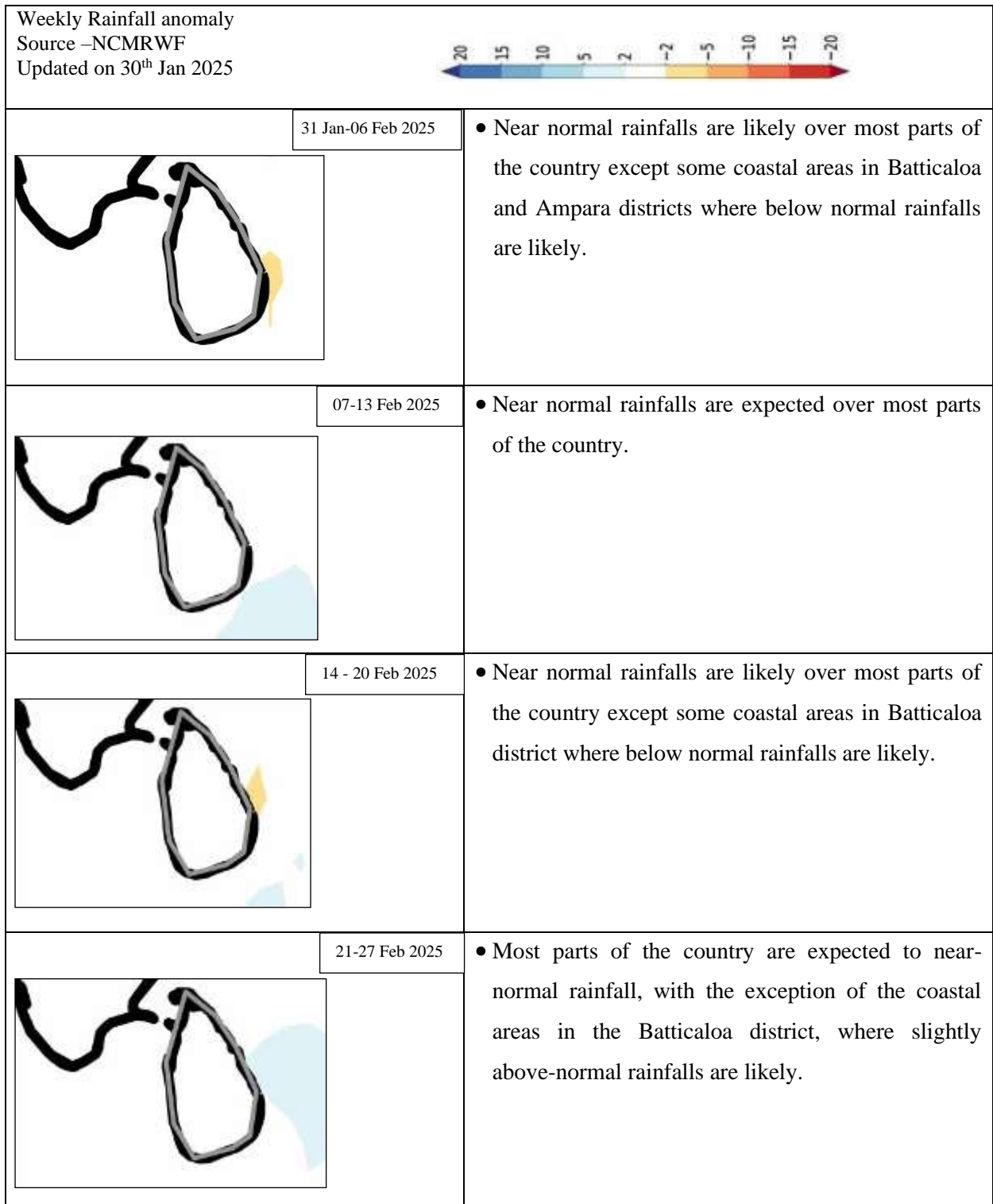


Fig 3: Weekly rainfall forecast for February 2025

Attention is needed for following areas

- More attention for the instructions and advisories issued by authorized agencies particularly related to extreme weather.
- Lightning and temporary strong gusty wind are possible during March and April.

Annex-1

District wise mean (30 years (1981-2010) of average) rainfalls during the months of February, March and April

District	Average rainfall- February(mm)	Average rainfall- March (mm)	Average rainfall- April(mm)
Colombo	86.4	135.2	273.8
Kalutara	114.5	178.7	333.4
Galle	109.2	166.6	291.3
Matara	109.4	146.0	231.8
Hambantota	54.8	73.5	109.3
Ampara	113.3	72.6	85.9
Batticaloa	115.0	64.2	64.8
Trincomalee	72.7	53.3	65.4
Mullaithivu	60.8	39.2	69.2
Jaffna	35.7	23.3	46.0
Killinochchi	51.0	30.0	64.2
Mannar	51.1	47.3	110.1
Puttalam	42.0	64.7	150.6
Gampaha	67.7	118.4	234.7
Kegalle	87.0	171.7	334.0
Ratnapura	121.9	203.1	323.3
Monaragala	83.9	101.0	149.4
Badulla	116.4	122.8	193.4
Pollonnaruwa	97.1	69.5	101.4
Vavuniya	54.3	44.5	96.8
Anuradapura	58.0	61.4	126.3
Kurunegala	50.0	90.3	197.1
Matale	115.7	97.4	167.2
Kandy	93.6	107.0	193.1
Nuwaraeliya	87.5	121.4	221.6

Table 01: 30-year Average (1981-2010) district wise rainfalls during the months of February, March and April

Table 01 shows the mean (30-year Average (1981-2010)) rainfalls during the months of February, March and April in each district.