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No EF-04

Monthly and weekly Rainfall Forecast for May 2020

Issued on 4th May 2020 by Seasonal forecasting Division of the department of Meteorology, Sri Lanka.

According to the global numerical model outputs and prevailing atmospheric conditions, following rainfall and Temperature forecasts are prepared.

Monthly Rainfall Forecast for May 2020

Above normal rainfall is likely over most parts of the Island during the month of May 2020.



Fig 1.Consensus Probabilistic Monthly rainfall forecast for May 2020

Rainfall Forecast for May to July 2020

A slight above or near normal rainfall is likely over most parts of the Island during the season from May to July (MJJ) 2020.



Fig 2. Consensus Probabilistic Monthly rainfall forecast for May to July 2020

Weekly Rainfall forecasts for the month of May 2020

First week (4-10 May 2020)

Near normal rainfalls are likely over most parts of the country.

Afternoon thunder showers are possible over most parts and morning showers are also likely along the Western, Southern and Northwestern coastal areas. There is a possibility to enhance the showery condition from 10 May 2020 over the country.

Second Week (11-17 May 2020)

Above normal rainfalls are likely over most parts of the country.

Afternoon thunder showers are possible over most parts and morning showers are also likely along the Western, Southern and Northwestern coastal areas. There is a possibility to enhance the showery condition during 10-12 May 2020 over the country, particularly in the southwestern part .

Third week (18-24 May 2020)

A slightly above normal rainfalls are likely in Southwestern coastal areas and Eastern coastal areas and near rainfall in other parts of the country.

Fourth Week (25-31 May 2020)

Near or slightly above normal rainfall are likely in Northern, Eastern, and Uva provinces and in Pollonnaruwa district and below normal rainfall in southwestern coastal areas.

Probabilistic Temperature Forecast for May 2020

The probabilistic Temperature forecast in Sri Lanka for May 2020 as given below.



Fig 1:



Fig 2

Figure 1 shows the Probabilistic forecast for maximum Temperatures in Sri Lanka during May 2020. Accordingly, there is a chance of experiencing slightly above the normal maximum temperature in Colombo, Kandy, Nuwar Eliya, Rathnapura, Galle and Hambanotta districts for the month of May 2020.

Figure 2 shows the Probabilistic forecast for minimum Temperature forecast for Sri Lanka during May 2020. Accordingly, there is a chance of experiencing slightly above the normal Minimum

Temperatures in Colombo, Gampaha, Galle, Rathnapura, Kandy, Nuwara Eliya, Badulla, Hambantota, Kurunegala, Puttalam, Anuradhapura, Mannar, Vavuniya, Trincomalee, and Batticaloa districts for the month of May 2020.

Table 1 and 2 provide district wise probabilistic forecasts for Maximum and minimum temperatures during May 2020 respectively. 30 years of average of maximum and minimum Temperatures during May is given in the column 2 and the chance (probability) of receiving below/about/above average is given in the columns 3, 4, and 5 respectively in the table 1 and table 2.

Table 1: probabilistic forecast for Maximum Temperature for May 2020

District	Average Maximum Temperature (°C) – (May)	Probability %		
		Below	Normal	Above
Anuradhapura	32.9	35	30	35
Badulla	30.5	40	30	30
Batticaloa	33	35	30	35
Colombo	31.1	20	30	50
Galle	30.6	20	30	50
Hambantota	30.7	20	30	50
Katugastota	29.8	25	30	45
Katunayake	31.4	30	30	40
Mannar	32.1	30	30	40
MahaIlluppallama	32.8	40	30	30
NuwaraEliya	21.4	25	30	45
Pottuvil	33	35	30	35
Puttalam	32.3	30	30	40
Ratnapura	32	25	30	45
Ratmalana	31.3	15	25	60
Trincomalee	34.5	35	30	35
Vavuniya	33.6	40	30	30
Kurunegala	32.3	30	30	40
Bandarawela	26.3	30	30	40

Table 2: Probabilistic forecast for Minimum Temperatures for May 2020

District	Average Minimum Temperature (°C) – (May)	Probability %		
		Below	Normal	Above
Anuradhapura	24.8	20	20	60
Badulla	19.5	25	30	45
Batticaloa	25.7	20	20	60
Colombo	25.5	20	20	60
Galle	25.5	20	20	60
Hambantota	25.5	20	20	60
Katugastota	21.5	20	20	60
Katunayake	25.1	20	25	55
Mannar	27.3	25	25	50
MahaIlluppallama	24.6	25	25	50
NuwaraEliya	12.8	25	25	50
Pottuvil	24.5	25	25	50
Puttalam	25.8	25	25	50
Ratnapura	23.9	25	25	50
Ratmalana	25.1	20	20	60
Trincomalee	26.4	25	30	45
Vavuniya	24.5	20	25	55
Kurunegala	24.4	25	25	50
Bandarawela	16.7	20	25	55

Attention is requested for following areas

- Flood/Landslides
- Prevention of severe Lightning activities
- Health issues related hot climate conditions
- Prevention of Forest fire
- Precautions to minimize damages from sudden strong gusty winds

Annex-1

District wise mean (30 years (1961-1990) of average) rainfalls during the month of May.

District	Average rainfall (mm) –(May)
Colombo	413.3
Kalutara	526.9
Galle	423.5
Matara	301.3
Hambantota	88.2
Ampara	59.6
Batticaloa	57.3
Trincomalee	60.2
Mullaithivu	59.7
Jaffna	46.3
Killinochchi	50.9
Mannar	58.3
Puttalam	112.5
Gampaha	342.2
Kegalle	419.1
Ratnapura	354.8
Monaragala	93.6
Badulla	113.9
Pollonnaruwa	70.8
Vavuniya	67.1
Anuradapura	74.8
Kurunegala	143.5
Matale	101.2
Kandy	177.1
Nuwaraeliya	267.3

Annex 01- 30 year Average (1961-1990) district wise rainfalls during the month of May.

Table 01 shows the mean (30 year Average (1961-1990)) rainfalls during the month of May in each districts and it is kindly informed that it is not the expected rainfalls amounts for each districts during May 2020. This is provided for your references.