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No SF-06

Monthly and weekly Rainfall Forecast for June 2020

Issued on 1st June 2020 by Seasonal forecasting Division of the Department of Meteorology, Sri Lanka.

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

Monthly Rainfall Forecast for June 2020

Near normal rainfall is likely over most parts of the Island during the month of June 2020.

However this prediction for June may diverge due to formation of depressions, or cyclones in the Bay of Bengal (if so, rainfalls may increase) and in Arabian Sea (if so, rainfalls may decrease).

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



Fig 1.Consensus Probabilistic Monthly rainfall forecast for June 2020

Weekly Rainfall forecasts for the month of June 2020

First week (1-6 June 2020)

Below normal rainfalls are likely over most parts particularly in western, Sabaragamuwa, Southern, Central and Northwestern provinces and near normal elsewhere. However a slightly above normal rainfall is likely in Mannar and Jaffna district.

Several spells of light showers in Southwestern parts and isolated afternoon thundershowers are likely in Eastern province.

Second Week (7-13 June 2020)

Above normal rainfalls are likely in Western, Sabaragamuwa and Northern provinces and in Galle and Matara districts. There is a chance of having below normal rainfalls in Uva province and in Hambanthota district and near normal rainfalls elsewhere.

Showery condition over the country particularly in SW part is likely to enhance during 10-12th.

Third week (14-20 June 2020)

Higher chance for above normal rainfalls in Western, Southern, Central, Sabaragamuwa and Northwestern provinces and near normal elsewhere. Heavy rainfalls are also likely in Southwestern part of the country.

Fourth Week (21-27 June 2020)

A slightly above normal rainfalls are likely in Western, Sabaragamuwa and Northern provinces and in Galle and Matara districts and below normal in Uva and Eastern provinces and in Hambanthota and Pollonnarua districts.

Probabilistic Temperature Forecast for June 2020

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



Fig 1:



Fig 2

Figure 1 shows the Probabilistic forecast for Maximum Temperatures in Sri Lanka during June 2020. Accordingly, there is a chance of experiencing slightly above the normal Maximum temperatures in Colombo, Kandy, NuwarEliya, Rathnapura, Galle, Hambanotta, Puttalam, Kurunegala, Gampaha, Vavuniya, Trincomalee and Batticaloa districts for the month of June 2020.

Figure 2 shows the Probabilistic forecast for Minimum Temperature forecast for Sri Lanka during June 2020. Accordingly, there is a chance of experiencing slightly above the normal Minimum Temperatures in Colombo, Gampaha, Galle, Rathnapura, Badulla, Hambantota, Kurunegala, Puttalama, Anuradhapura, Mannar, Vavuniya, Trincomalee, Batticoloa and Ampara districts for the month of June 2020.

Table 1 and 2 provide district wise probabilistic forecasts for Maximum and Minimum temperatures during June 2020 respectively. 30 years of average of Maximum and Minimum Temperatures during June 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 June 2020

District	Average Maximum Temperature (°C) – (June)	Probability %		
		Below	Normal	Above
Anuradhapura	32.7	30	35	35
Badulla	30.7	30	30	40
Batticaloa	34.0	20	30	50
Colombo	30.4	25	25	50
Galle	29.0	20	30	50
Hambantota	30.3	20	30	50
Katugastota	28.2	25	25	50
Katunayake	30.7	20	30	50
Mannar	31.1	30	35	35
MahaIlluppallama	32.5	30	35	35
NuwaraEliya	18.9	25	25	50
Pottuvil	32.6	35	30	35
Puttalam	31.5	20	30	50
Ratnapura	31.0	20	30	50
Ratmalana	30.5	25	30	45
Trincomalee	34.7	20	30	50
Vavuniya	33.7	25	25	50
Kurunegala	31.0	25	30	45
Bandarawela	25.8	30	30	40

Table 2: Probabilistic forecast for Minimum Temperatures for June 2020

District	Average Minimum Temperature (°C) – (June)	Probability %		
		Below	Normal	Above
Anuradhapura	24.9	25	25	50
Badulla	18.8	25	30	45
Batticaloa	25.6	25	25	50
Colombo	25.5	25	30	45
Galle	25.2	25	30	45
Hambantota	25.2	20	20	60
Katugastota	21.4	30	35	35
Katunayake	25.1	20	20	60
Mannar	27.3	20	30	50
MahaIlluppallama	24.7	25	30	45
NuwaraEliya	13.2	30	30	40
Pottuvil	25.1	25	30	45
Puttalam	26.2	25	30	45
Ratnapura	23.7	20	30	50
Ratmalana	25.2	25	30	45
Trincomalee	26.4	25	25	50
Vavuniya	24.7	25	30	45
Kurunegala	24.9	25	30	45
Bandarawela	18.8	35	35	30

Attention is requested for following areas

- Flood and Landslides in Southwestern parts
- Precautions to minimize damages from sudden strong gusty winds
- Water conservation and management activities Northern, Eastern, Northcentral and Uva provinces
- Prevention of Forest fire along the slopes of central hills

Annex-1

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

District	Average rainfall (mm) –(June)
Colombo	247.6
Kalutara	350.8
Galle	290.5
Matara	241.1
Hambantota	52.0
Ampara	24.4
Batticaloa	25.5
Trincomalee	22.6
Mullaithivu	12.5
Jaffna	13.7
Killinochchi	9.4
Mannar	7.2
Puttalam	46.6
Gampaha	212.8
Kegalle	372.7
Ratnapura	277.3
Monaragala	24.8
Badulla	35.4
Pollonnaruwa	18.0
Vavuniya	10.6
Anuradapura	11.4
Kurunegala	86.3
Matale	44.0
Kandy	172.6
Nuwaraeliya	270.1

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

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