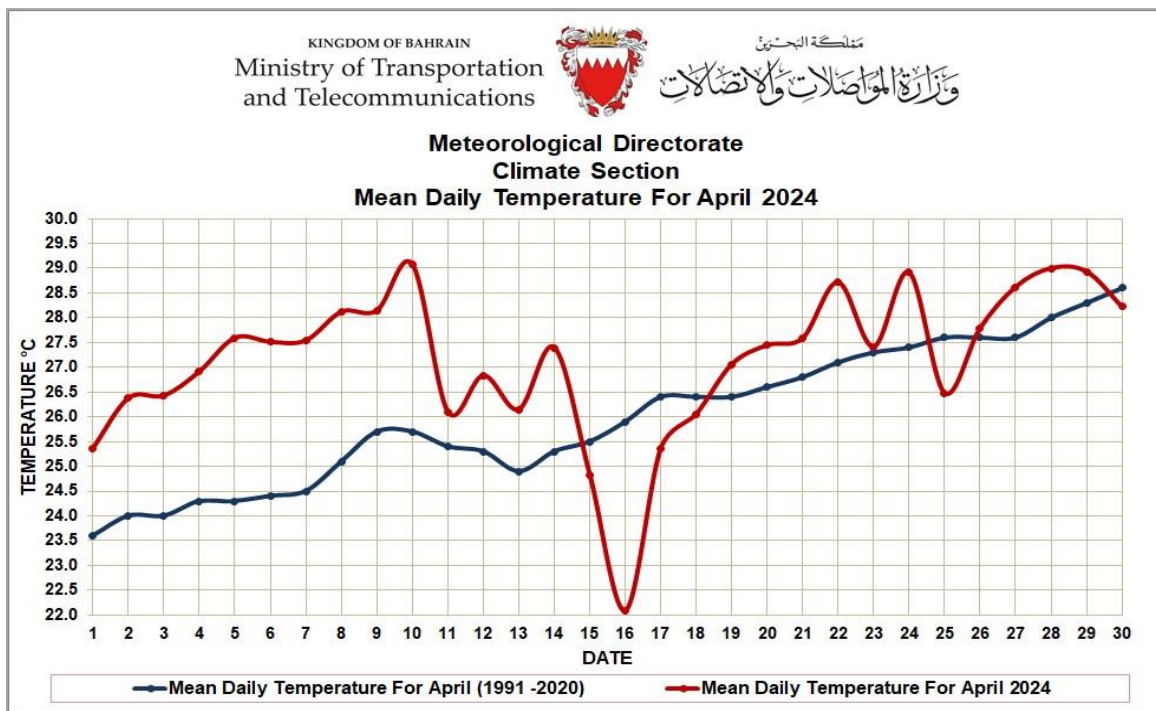




**Meteorological Directorate
Climate Section**

Monthly Weather Summary –April 2024

April 2024 was warmer than normal in temperatures and well above average for the precipitation.



The mean temperature of the month was 27.1°C which is 1.1°C above the long-term normal for April and this goes on record as the sixth highest mean temperature for April since 1902. Note that the highest mean monthly temperature for April was 27.7°C recorded in 2021.

The mean maximum temperature of the month was 31.5°C which is 0.9°C above long-term normal and this goes on record as the ninth highest mean maximum temperature for April since 1946. Note that the highest mean monthly maximum temperature for April was 33.3°C recorded in 2021.



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The highest temperature recorded during the month was 35.0°C which occurred on the 24th of April at Bahrain International Airport. Note that the highest temperature recorded for April at Bahrain International Airport was 41.7°C which occurred on 20th April 1949.

The highest temperature recorded in the month at the University of Bahrain was 37.7°C which was recorded on the 22nd of April and on the same day, it was recorded 37.6°C at the Bahrain International Circuit.

The mean minimum temperature of the month was 23.8°C which is 1.4°C above the long-term normal and this goes on record as the third highest mean minimum temperature for April since 1946. Note that the highest mean monthly minimum temperature for April was 24.1°C recorded in 2017 and 2010.

The lowest temperature recorded was 18.0°C on the 15th April at Bahrain International Airport but was recorded 17.5°C on the 3rd April at Durrat Al Bahrain.

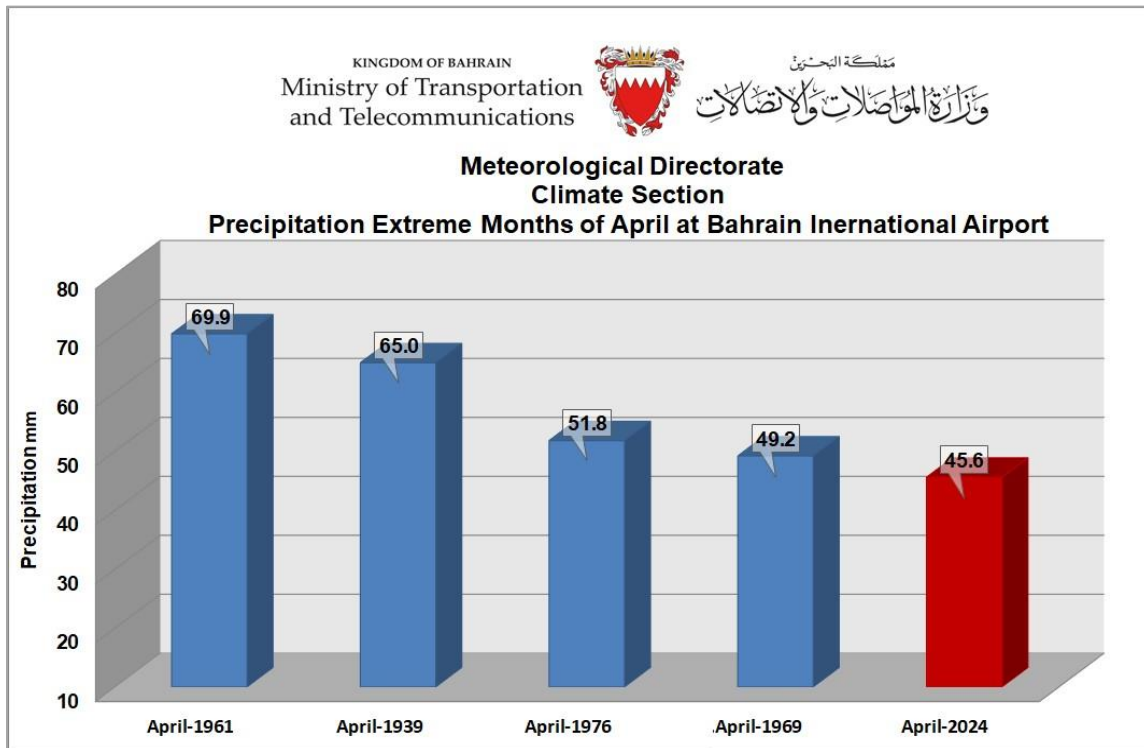
Note that the lowest temperature recorded at Bahrain International Airport for April was 13.9°C which occurred on 1st April 1956.

The mean relative humidity for April was 51% whereas the mean maximum relative humidity was 72% and the mean minimum relative humidity was 31%. The maximum relative humidity was 96% recorded on the 15th of April, and the minimum relative humidity was 11% recorded on the 5th and 24th of April.



Meteorological Directorate Climate Section

The month was wet with 3 rainy days, accumulating 45.6 mm of precipitation at Bahrain International Airport. This goes on record as the fifth-highest monthly total Precipitation for April at Bahrain International Airport since 1902 and 8 times more than the long-term normal for April which is 5.8 mm. Note that the highest monthly total rainfall recorded in April at Bahrain International Airport was 69.9 mm which occurred in April 1961.



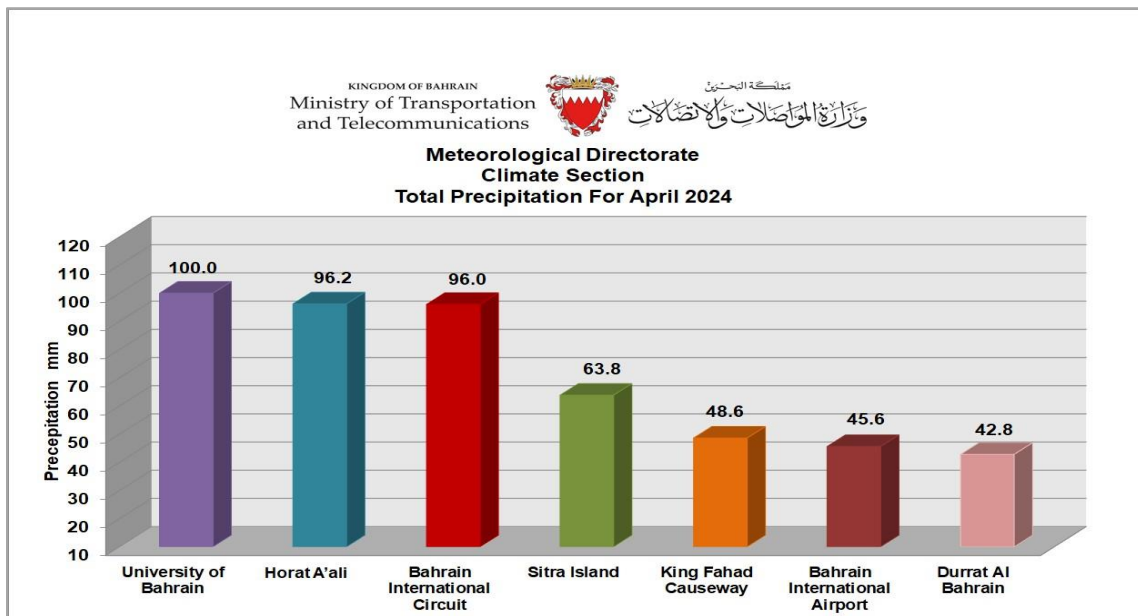
This unsettled weather occurred due to a sharp upper trough that moved from the Mediterranean Sea toward the central parts of Saudi producing moderate to heavy precipitation accompanied by thunderstorms and strong gusts at times.



Meteorological Directorate Climate Section

Thunderstorms occurred on 3 days. Heavy rain showers associated with thunderstorms were reported at Bahrain International Airport on 15th April accumulating daily total precipitation of 23.1 mm, and this goes on record as the sixth-highest daily total of Precipitation since 1948 at the Airport. Note that the highest daily total of precipitation for April was 63.1 mm which occurred on 7th April 1961 at Bahrain International Airport. Trace amounts were recorded on the 1st, 7th, 8th, 9th, 10th, 11th, and 13th April 2024.

The total monthly precipitation recorded for April 2024 at the University of Bahrain was 100.0 mm whereas the total precipitation at Horat A’ali was 96.2 mm, at Bahrain International Circuit was 96.0 mm, at Sitra Island was 63.8 mm, at the King Fahad Causeway was 48.6 mm and at Durrat Al Bahrain was 42.8 mm.



April month is considered a transitional season period from winter to summer which is usually associated with unsettled weather known locally as (Al-Sarrayat) which extends up to mid-May.