

17 October 2024

KEY MESSAGES:

- **The monsoon air has completely left Bangladesh,** officially marking the end of the season.
- **There is a depression over Southwest Bay and the adjoining area,** but the squally wind is unlikely to affect the Cox's Bazar coastal belt.
- Various forecasting models indicate the **likelihood of a low-pressure area forming over the central Bay of Bengal** around 22 October 2024.

The monsoon has ultimately withdrawn from Bangladesh, which marks the end of the season. [The Bangladesh Meteorological Department](#) has forecasted another week of sunny weather across Cox's Bazar district from 17 October to 23 October¹. However, a low-pressure area may form in the central Bay of Bengal as a result of a fresh cyclonic circulation, as indicated by the Indian Meteorological Department (IMD). This

atmospheric anomaly has also been captured by the European Centre for Medium-Range Weather Forecasts (ECMWF) and the Global Forecast System (a weather forecast model from one of the nine National Centers of the National Oceanic and Atmospheric Administration).

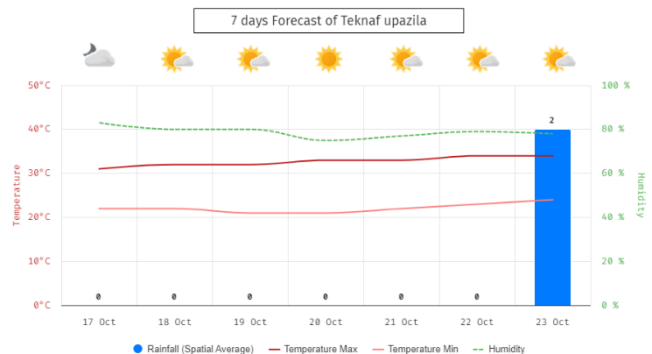
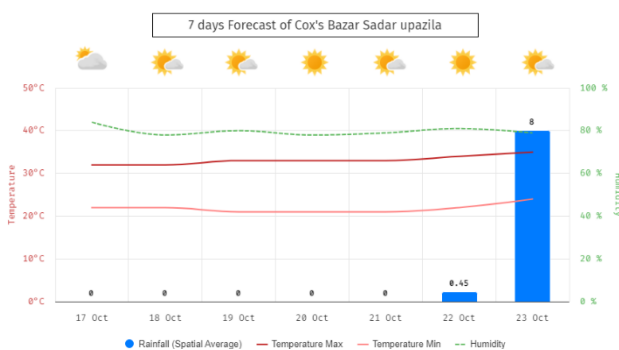
Despite the forecasted weather anomaly, the estimated daily accumulated rainfall in Cox's Bazar will be below the minimum threshold of 22mm/day from 17 to 23 October (*Figure 1*).

Consequently, forecasted days of no showers are from 17 to 22 October 2024 (*Figure 2*). However, the formation of the low-pressure area may result in some showers in Cox's Bazar Sadar and Teknaf but limited showers in Ukhiya. Similarly, the current forecasted wind gust is below 40 kilometers per hour.

Figure 1: Forecasted 7 days accumulated rainfall threshold.



Figure 2: Seven days daily average rainfall forecast.



¹ [BMD Weather Forecast 17.10.24.pdf](#)