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Date: 09 January 2025

Sub: Long range weather forecast for January- March 2025.

1. The values of Southern Oscillation Index (SOI) in January, February, March, April, May, June, July, August, October, November and and December 2024 were -+3.7, -12.6, -0.3, - 6.3, -3.1, -9.5, +7.8, -1.0, +4.2, +6.5 and +10.8 (Bureau of Meteorology, Australia).
2. In December 2024, below normal (-91%) rainfall recoded over the country. A low pressure area formed over Southeast Bay of Bengal and adjoining area at 7 December 2024. The low pressure over Southeast Bay of Bengal and adjoining area intensified into a Well-marked low at 10 December 2024 and lay over Southwest Bay and adjoining Southeast Bay. The Well-marked low over Southwest Bay and adjoining Southeast Bay lay over Southwest Bay off Sri Lanka coast at 12 December 2024. It weakened into a low pressure area and became unimportant. Another low pressure area formed over central part of South Bay of Bengal and adjoining area at 17 December 2024. It intensified into a Well-marked low and lay over Southwest Bay and adjoining area at 18 December 2024. It moved northeastwards, intensified into a Depression and lay over Westcentral Bay and adjoining area on 21 December 2024. The Depression over Westcentral Bay of Bengal weakened first then into a Well-marked low then low pressure area and became unimportant on 22 December 2024. The effect of Cyclone 'Fengal' on 1 December and the influence of depression on 9, 20 & 21 December 2024 rainfall occurred at places over the country. The recorded highest daily rainfall was 5mm on 21th December 2024 at Satkhira. The recorded highest maximum temperature was 33.0°C at Sandwip & Sitakunda on 1 December 2024 and lowest minimum temperature was 8.4°C at Tetulia on 13 December 2024. In this month the highest maximum & lowest minimum temperature was above normal by 0.8 °C & 0.6°C and mean temperature was above normal by 0.7°C over the country. Rainfall, temperature, Cyclone, Fog, agricultural weather forecast and river condition was compatible with the forecast of December 2024.
3. After appropriate analysis of weather observations, weather pattern of upper level, different layers of atmospheric weather map, climate model, SOI (El Nino & La Nino condition) and getting the weather forecast of January 2025 the World Meteorological Organization (WMO) recognized institutes, Global Producing Centre (GPCs), ECMWF, JMA, NOAA, IRI-Columbia University, APEC Climate Centre (APCC), RIMES and C3S etc. December 2025's weather forecast are given below:

Division	Amount normal rainfall(mm)	Amount of forecast rainfall(mm)	Normal rainfall days	Forecast rainfall days	Soil moisture (up to 50cm) %
Dhaka	9	5-7	2	1-2	25-35
Mymensingh	10	7-8	2	1-2	30-40
Chattogram	7	5-6	2	1-2	30-40
Sylhet	7	5-6	2	1-2	30-40
Rajshahi	9	6-7	2	1-2	20-30
Rangpur	11	8-9	2	1-2	20-30
Khulna	14	10-12	3	1-2	25-35
Barishal	9	6-7	2	1-2	25-35

1. Rainfall is likely to be normal over the country.
2. 1-2 low pressure system is likely to form over South Bay of Bengal among them 1 low pressure system may intensify into a Depression.
3. Day and night temperature is likely to be above normal over the country.
4. 1-2 moderate (6.0 – 8.0) °C to severe (4.0 – 6.0) °C cold wave and 2-3 mild (8.0 – 10.0) °C to moderate (4.0 – 6.0) °C cold wave is likely to sweep over west, northwest, north & northeastern parts of the country.
5. Moderate/Dense fog may occur at North, Northeastern, West, Southwestern, central parts of the country & river basins and light /moderate fog may occur elsewhere over the country.
6. 2-3 days light/moderate Nor'wester with hail storm may occur at North, Northwestern and central part of the country.
7. 1-2 mild (36.0 - 38.0) °C heat wave may sweep over Western and Northwestern parts of the country.

9.1.2025

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