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MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
KENYA METEOROLOGICAL DEPARTMENT
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REF.NO: KMD/FCST/08-2026/MARINE/38 Date: Issued on 16th September, 2026

7-Day Marine Forecast for the Kenya Coast and Off Shore Areas
Along the Western Indian Ocean Region
Validity: 17/09/2026 - 23/09/2026

1.0 GENERAL OUTLOOK

1.1 Wind Speed & Direction:

Southerly to South-Westerly winds are expected over Somalia waters with wind speeds of 12 to 22 knots (6-11 m/s) throughout the forecast period.

East-South-Easterly to Southerly winds are expected over Kenya and Tanzania waters with wind speeds of 04 to 20 knots (02-10 m/s) throughout the forecast period.

1.2 Sig. Wave Height and Direction:

Easterly to South-South-Westerly waves are expected over Kenya, and Tanzania waters with wave heights of 0.5-3.0m (≈ 1.5–9.0ft) throughout the forecast period.

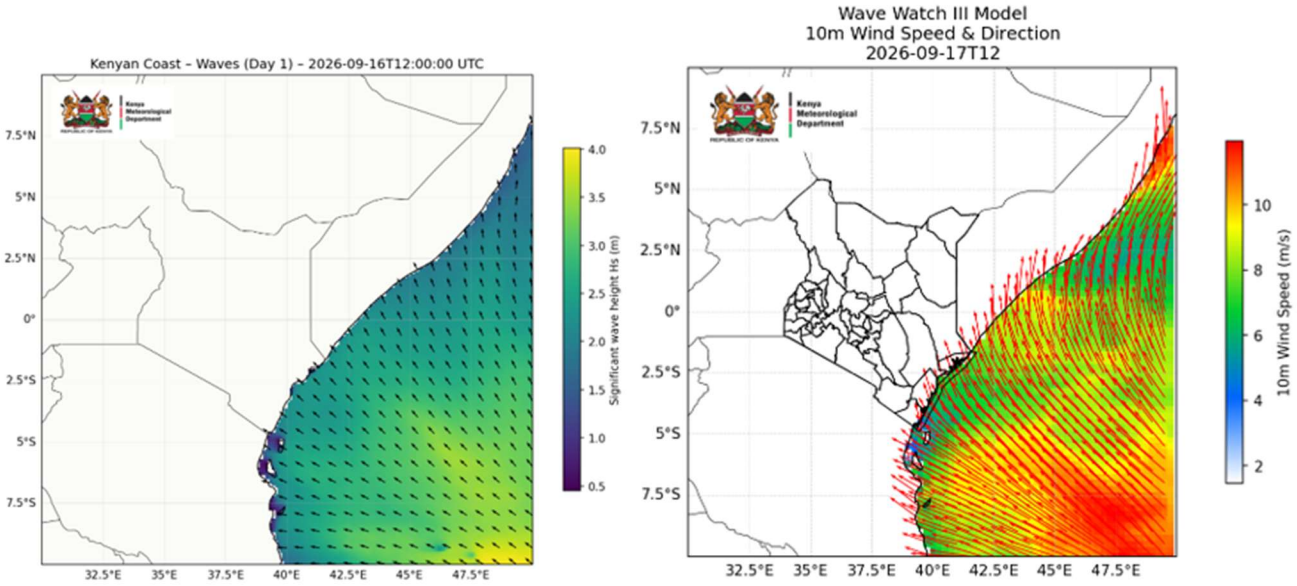
1.3 Sea condition

- Light to fresh breeze with wind speeds of 02–10m/s (04 to 20 Knots) expected over Kenya and Tanzania waters throughout the forecast period.
- Gentle breeze to strong breeze with wind speeds of 06–11m/s (12 to 22 Knots) expected over Somalia waters throughout the forecast period
- Slight to Rough Sea condition with wave heights of 0.5-3.0m (≈ 1.5–9.0 ft) expected over Kenya, Tanzania and Somalia waters throughout the forecast period.

2.0 WINDS AND SIGNIFICANT WAVE HEGHTS FORECAST FOR THE PERIOD 17TH SEPTEMBER, 2026 TO 23RD SEPTEMBER, 2026.

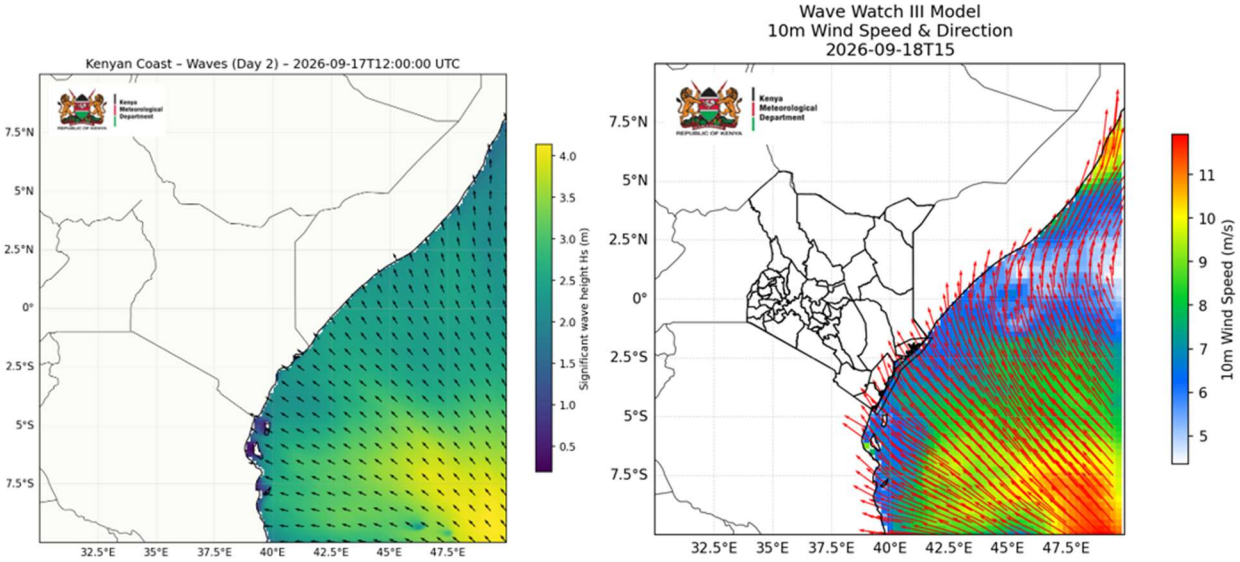
2.1 Thursday 17th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 2.5 m (≈ 1.5–7.5ft) 10m Winds: 04-22 knots (≈ 4 – 11m/s)



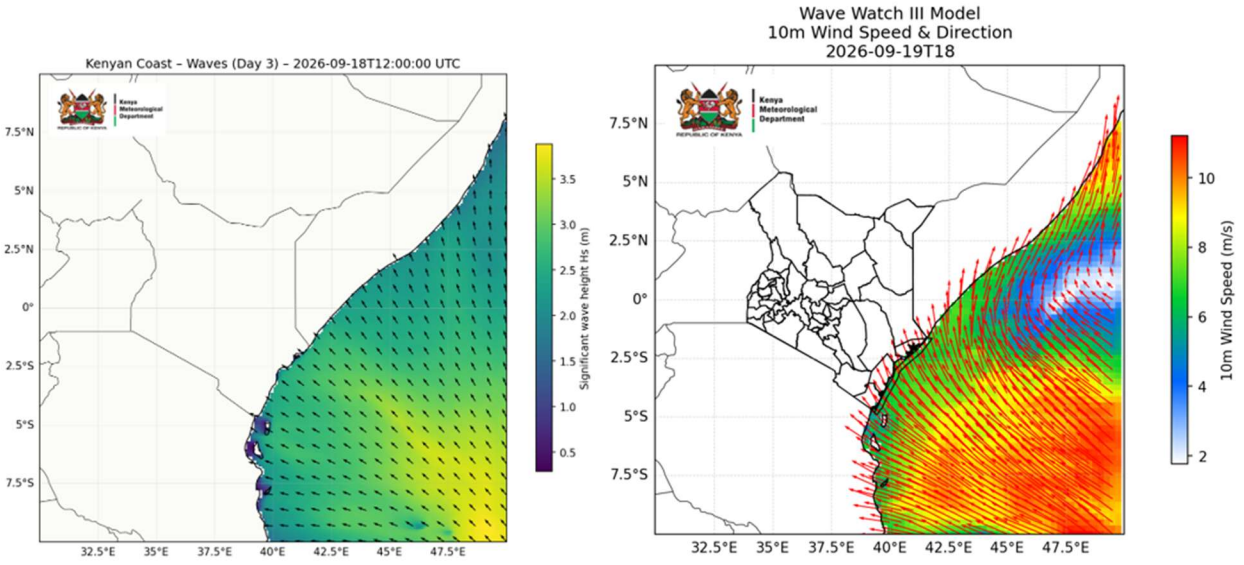
2.2 Friday 18th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 2.5m (≈ 1.5–7.5t) 10m Winds: 10-22 knots (≈ 5– 11m/s)



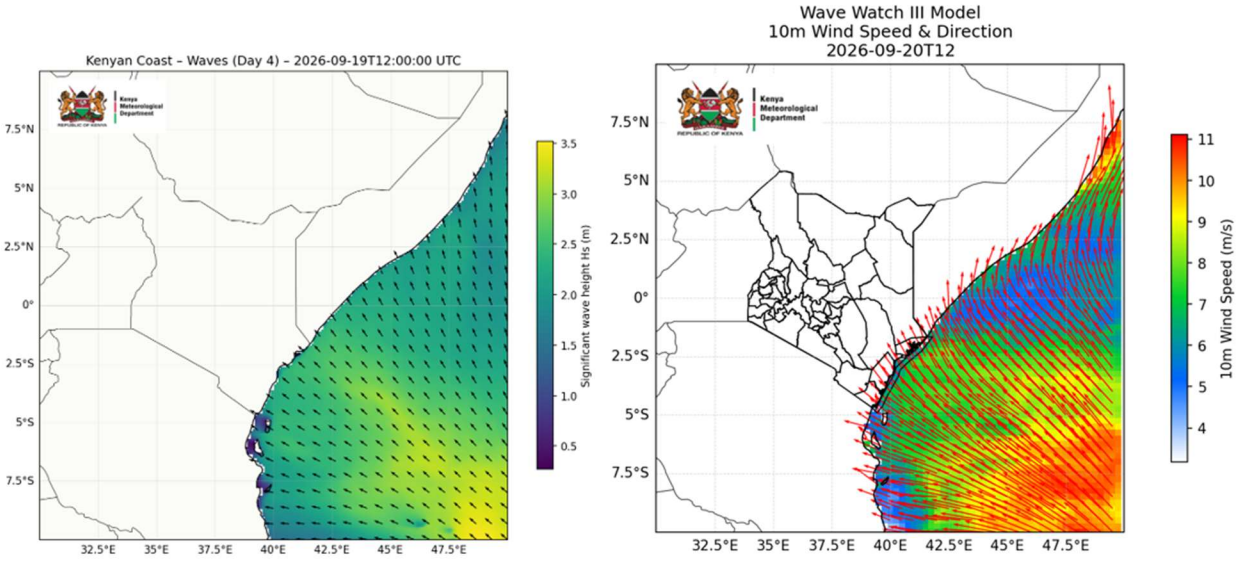
2.3 Saturday 19th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 3.0 m (≈ 1.5– 9.0 ft) 10m Winds: 12-20 knots (≈ 06 –10m/s)



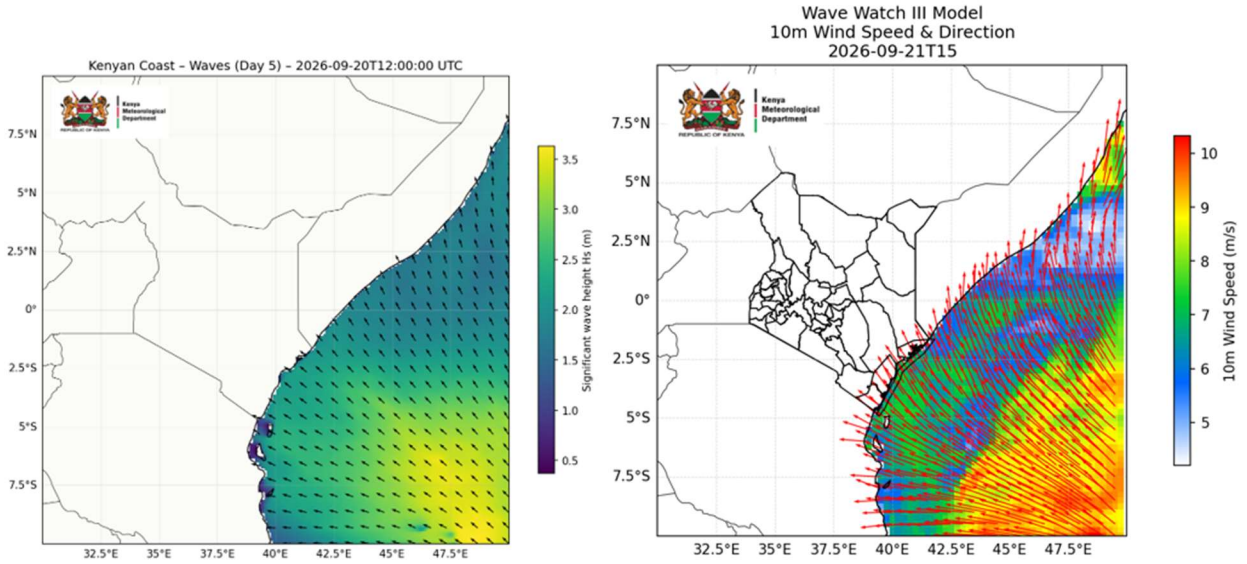
2.4 Sunday 20th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 3.0m (≈ 1.5– 9.0ft) 10m Winds: 08-22 knots (≈ 4– 11m/s)



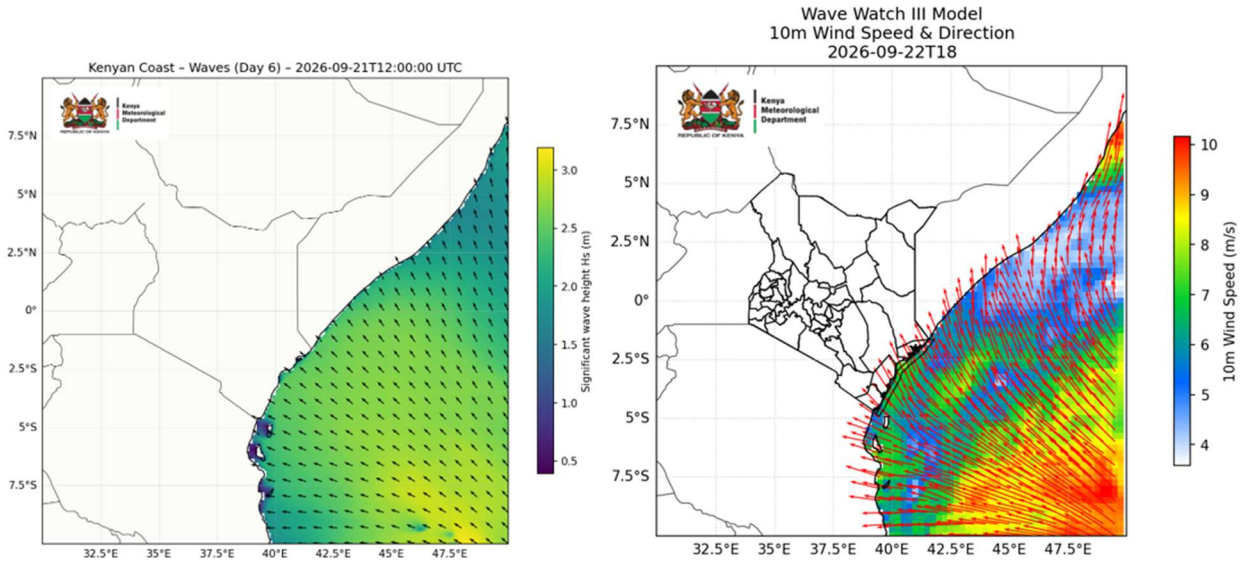
2.5 Monday 21st September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5m to 2.5m (≈1.5 - 7.5ft) 10m Winds: 10-22 knots (≈ 5– 10 m/s)



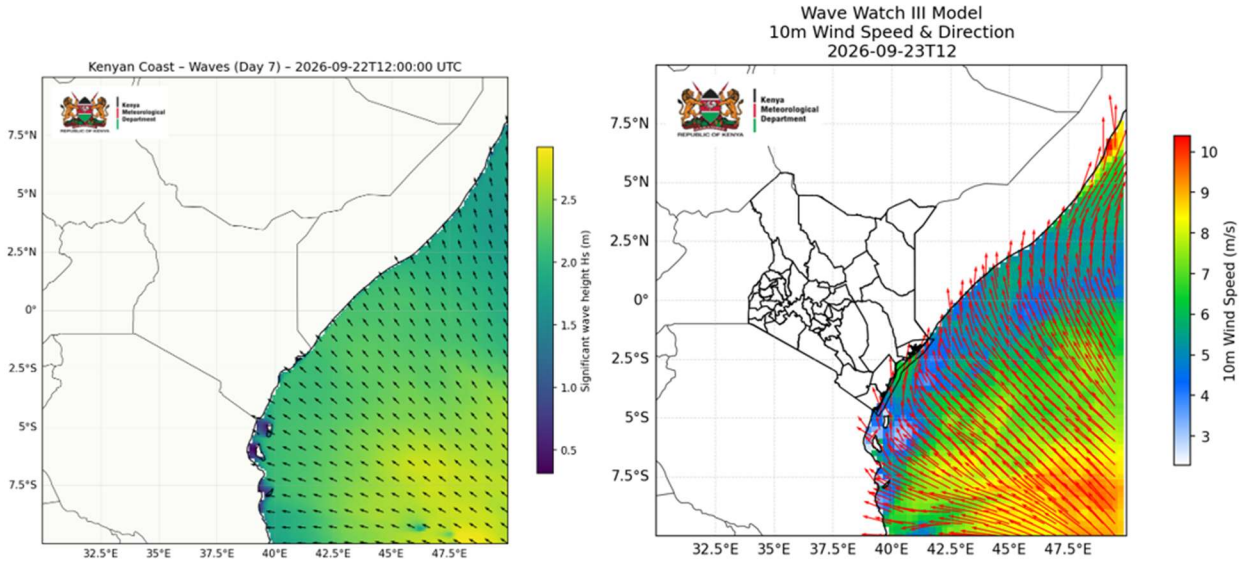
2.6 Tuesday 22nd September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 3.0m (≈ 1.5– 9.0ft) 10m Winds: 08-20 knots (≈ 4– 10 m/s)



2.7 Wednesday 23rd September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 2.5m (≈ 1.5– 7.5ft) 10m Winds:6-20 knots (≈ 3– 10m/s)

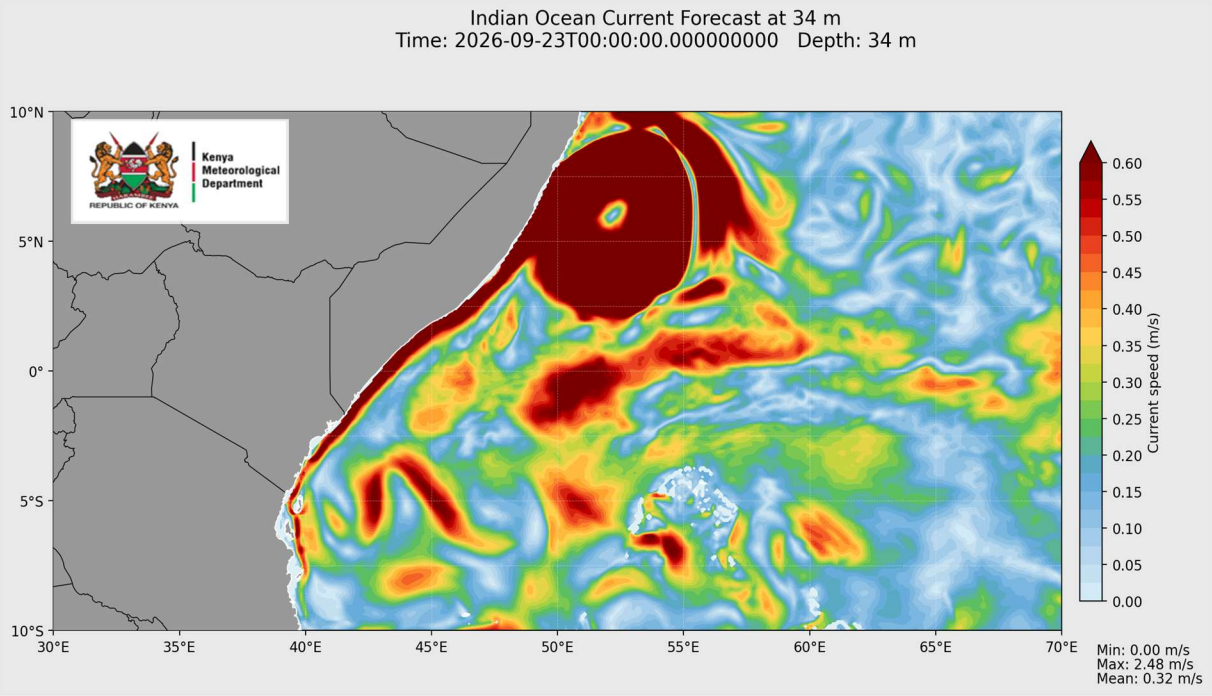


3.0 TIDE FORECAST VALID FROM 17TH SEPTEMBER, 2026 TO 23RD SEPTEMBER, 2026.

Date	Description	High Tide		Low Tide	
		Time	Height	Time	Height
Thu 17th September, 2026	**1st Tide**	07:17 AM	3.07 m	00:53 AM	0.68 m
	2nd Tide	07:28 PM	2.49 m	1:33 PM	0.87 m
Fri 18th September, 2026	**1st Tide**	07:50 AM	2.79 m	1:20 AM	0.94 m
	2nd Tide	08:01 PM	2.21 m	2:12 PM	1.17 m
Sat 19th September, 2026	**1st Tide**	08:34 AM	2.5 m	1:50 AM	1.22 m
	2nd Tide	08:57 PM	1:94 m	3:18 PM	1.44 m
Sun 20th September, 2026	**1st Tide**	10:07 AM	2.26 m	2:40 AM	1.5 m

	2nd Tide			6:13 PM	1.52 m
Mon 21st September, 2026	**1st Tide**	00:44 AM	1.87 m	5:59 AM	1.63 m
	2nd Tide	12:53 PM	2.31 m	7:51 PM	1.28 m
Thur 22nd September, 2026	**1st Tide**	02:06 AM	2.16 m	7:44 AM	1.39 m
	2nd Tide	02:00 PM	2.55 m	8:29 PM	1.02 m
Thur 22nd September, 2026	**1st Tide**	02:39 AM	2.47 m	8:29 AM	1.1 m
	2nd Tide	02:39 PM	2.81 m	8:57 PM	0.76 m

4.0 7 DAYS OCEAN SURFACE CURRENT IN METERS PER SECONDS (M/S) FORECAST VALID 17//09/2026 TO 23/09/2026



KEY ON SEA STATE

WAVE HEIGHT RANGE (Meters)	DESCRIPTION	IMPACT
0.6 – 1.0 m (≈ 1.8 – 3.0 ft)	Slight	**Conditions suitable for Marine activities**
1.0 – 1.9 m (≈ 3.0 – 5.7 ft)	Slight – Moderate	
2.0 – 2.9 m (≈ 6.0 – 8.7 ft)	Moderate-Rough	**Caution on operating marine activities**
3.0 – 4.0 m (≈ 9.0 – 12.0 ft)	Rough	**Warning in place!!!!**
4.1 – 5.5 m (≈ 12.3 – 16.5 ft)	Very Rough	**Warning in place and marine activities on hold**

KEY ON SEA STATE

WIND	RANGE	DESCRIPTIONS	IMPACT
	< 1 – 7 Knots	**Calm to light breeze**	**1 – 6 knots, the Ocean is relatively calm with very little disturbance. Suitable for Marine operations**
	7 – 21 Knots	**Gentle breeze to fresh breeze**	**7 – 17 knots, small boats are likely to be filled with water sprays and become unstable. Caution in carrying out marine activities**
	22 – ≥34 Knots	**Strong breeze to extremely strong breeze**	**More than 21 knots, the ocean state is very much disturbed and the prevailing conditions are dangerous for marine operations. Warning in place!!!!!**

N.B: This forecast should be used in conjunction with the daily marine forecast issued by this Department.

In concurrence with outputs from relevant marine data platforms, acknowledgement is fully accorded to: ESSO- Indian National Centre for Ocean Information Services (INCOIS), mercator-ocean.fr, COPERNICUS Marine Environment Monitoring Service (CMEMS) and other related sources.

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