



REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
KENYA METEOROLOGICAL DEPARTMENT
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REF.NO: KMD/FCST/08-2026/MARINE/37

Date: Issued on 12th September, 2026

7-Day Marine Forecast for the Kenya Coast and Off Shore Areas
Along the Western Indian Ocean Region
Validity: 13/09/2026 - 19/09/2026

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 26 knots (6-13m/s) throughout the forecast period.

South-Easterly to South-South-Westerly winds are expected over Kenya and Tanzania waters with wind speeds of 04 to 20 knots (02-10m/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 0.5-2.5m ($\approx$ 1.5–7.5ft) throughout the forecast period.

South-Easterly to South-Westerly waves are expected over Somalia waters with wave heights of 1.0-3.0m ($\approx$ 3.0–9.0ft) throughout the forecast period.

1.3 Sea condition

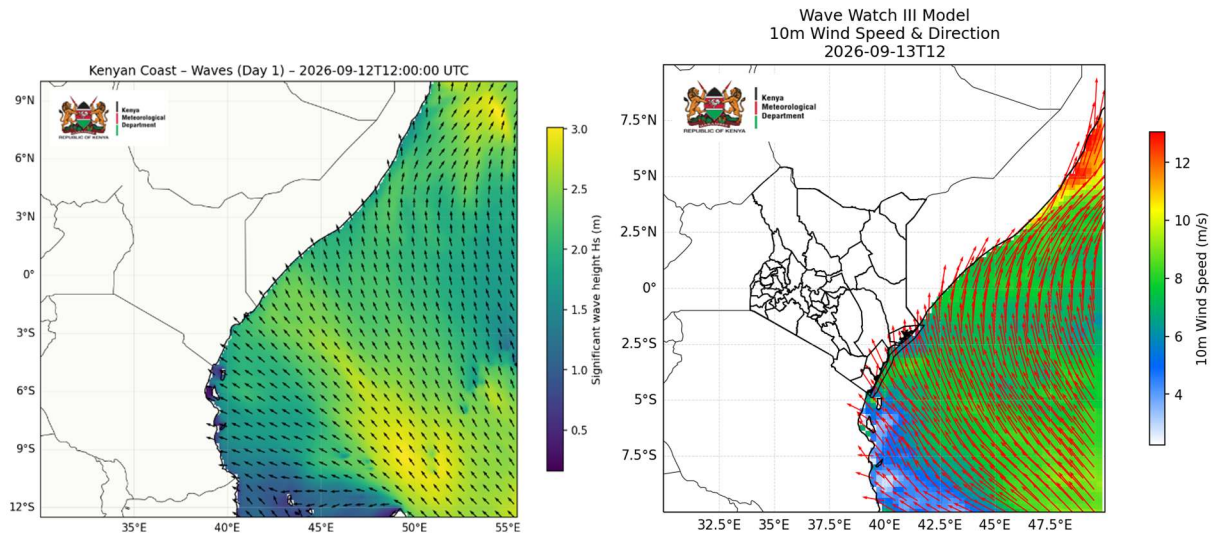
- Light to fresh breeze with wind speeds of 02–10m/s (04 to 20 Knots) expected over Kenya and Tanzania waters throughout the forecast period.
- Gentle breeze to strong breeze with wind speeds of 06–12m/s (12 to 26 Knots) expected over Somalia waters throughout the forecast period
- Slight to Rough sea condition with wave heights of 0.5-2.5m ($\approx$ 1.5–7.5 ft) expected over Kenya, Tanzania waters throughout the forecast period.

2.0 WINDS AND SIGNIFICANT WAVE HEIGHTS FORECAST FOR THE PERIOD 13TH SEPTEMBER, 2026 TO 19TH SEPTEMBER, 2026.

2.1 Sunday 13th 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 – 7.5 ft)

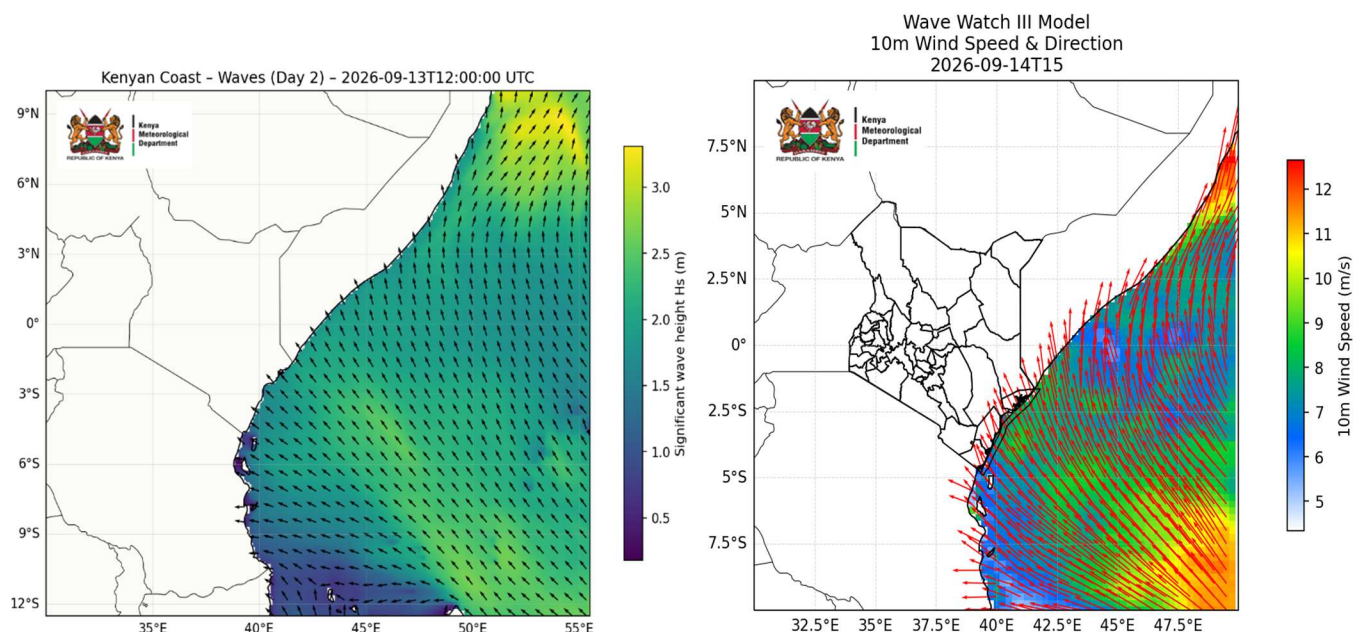
10m Winds: 04-24 knots (≈ 2 – 12 m/s)



2.2 Monday 14th 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 – 9.0 ft)

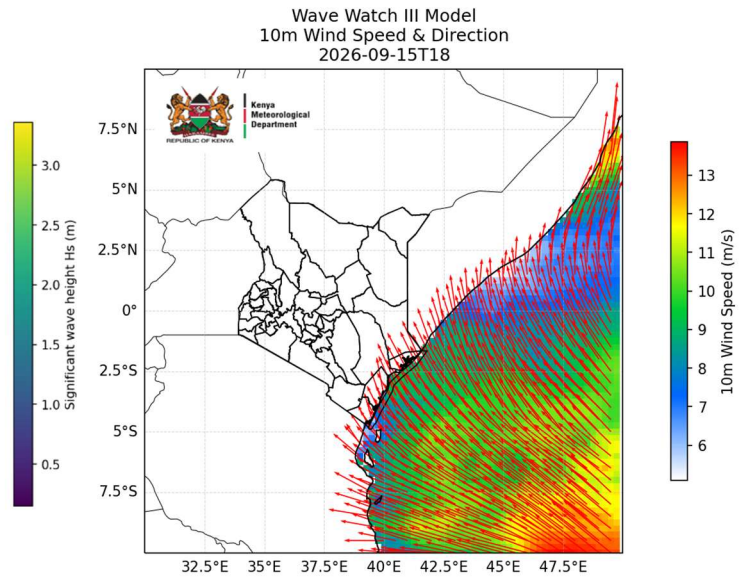
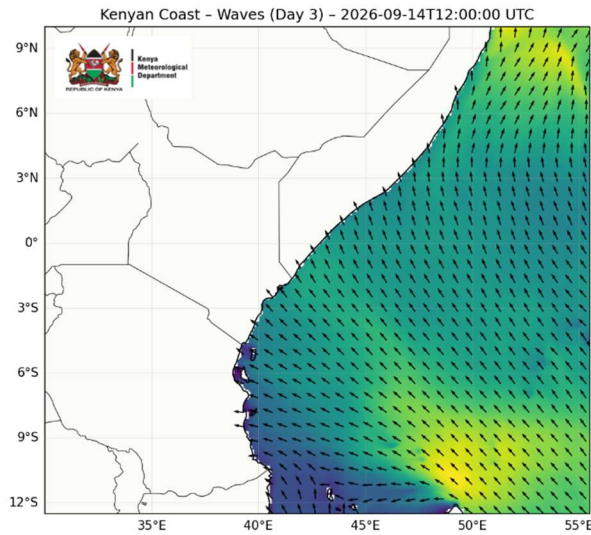
10m Winds: 10-24 knots (≈ 5 – 12 m/s)



2.3 Tuesday 15th 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 ($\approx$ 1.5– 9.0 ft)

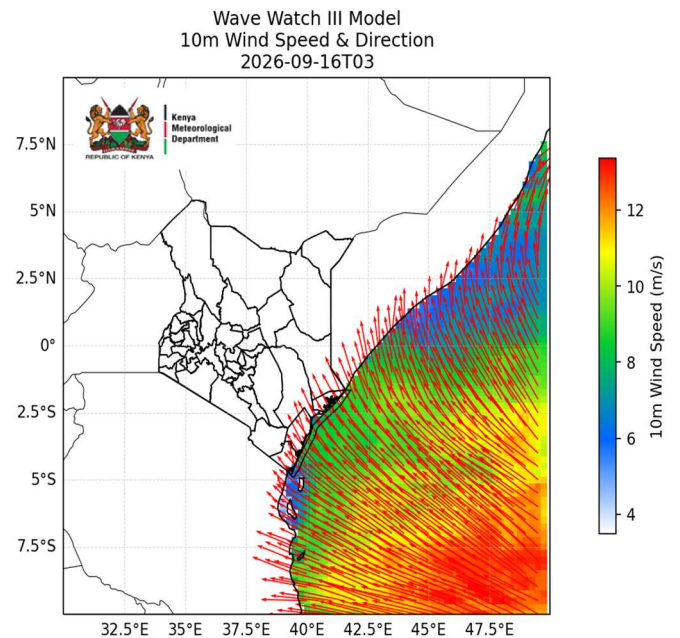
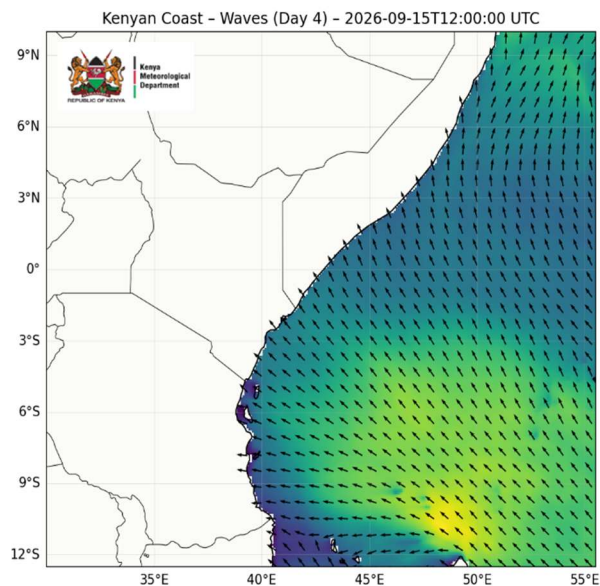
10m Winds: 12-24 knots ($\approx$ 06 –13m/s)



2.4 Wednesday 16th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

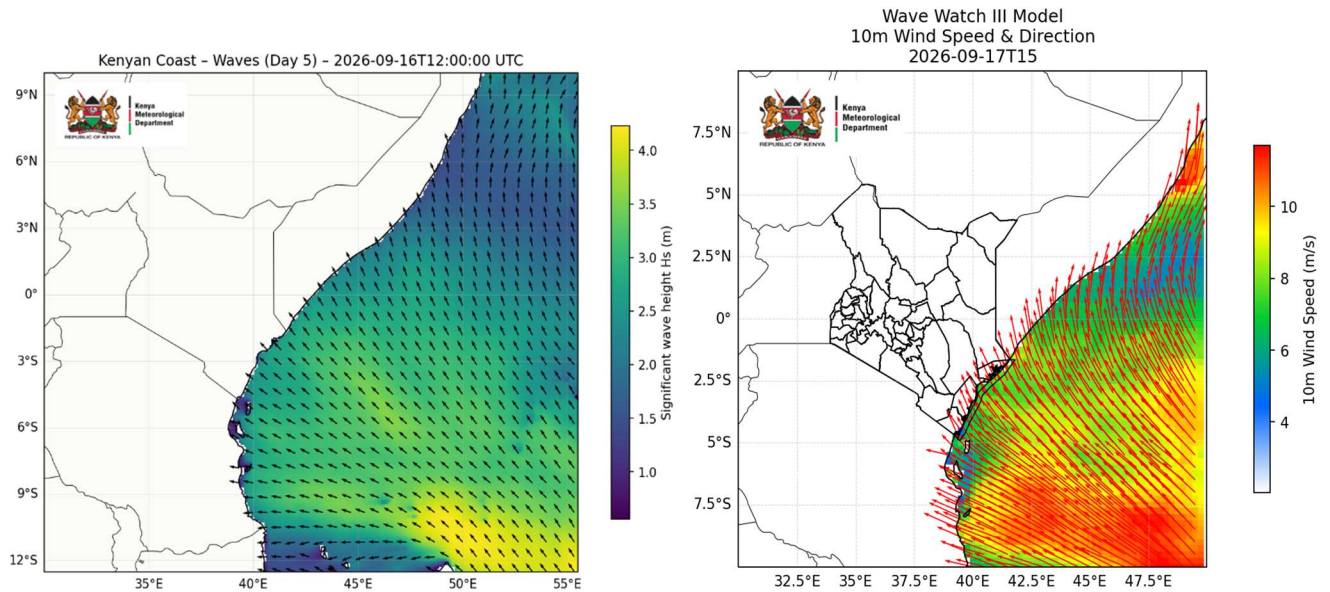
Wave height: 0.5 m to 2.5m ($\approx$ 1.5– 7.2ft)

10m Winds: 08-24 knots ($\approx$ 4– 12m/s)



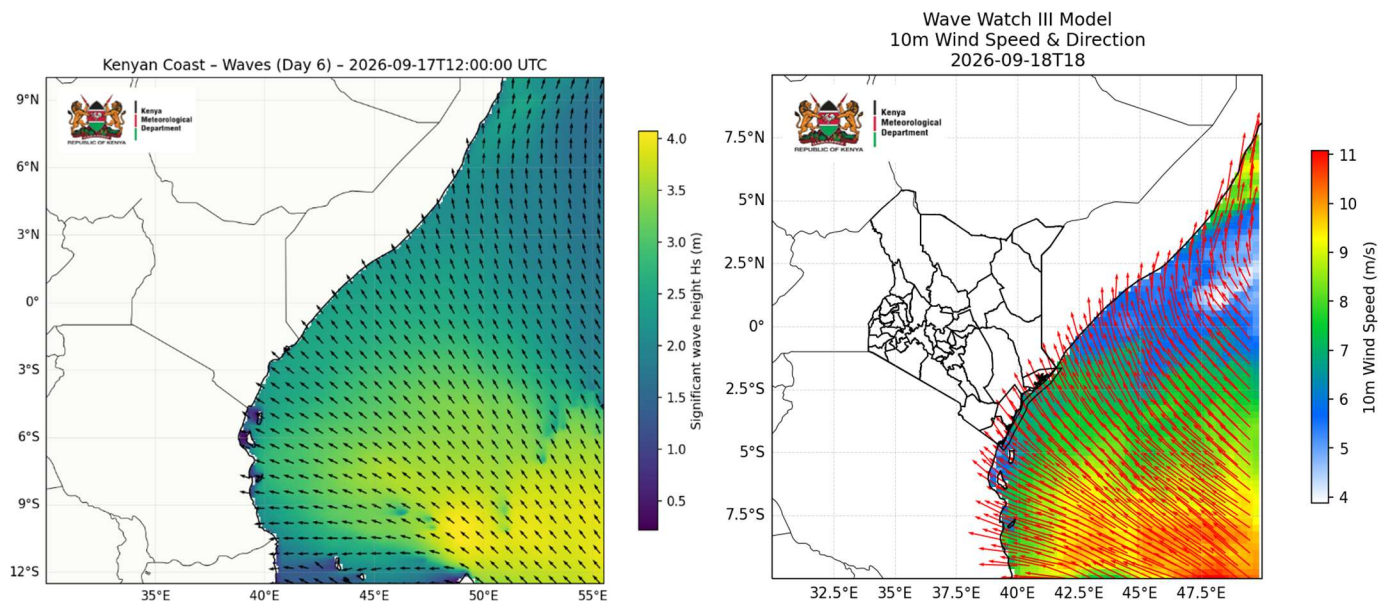
2.5 Thursday 17th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5m to 2.5m ($\approx 1.5 - 7.5$ ft) 10m Winds: 08-24 knots ($\approx 4 - 12$ m/s)



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

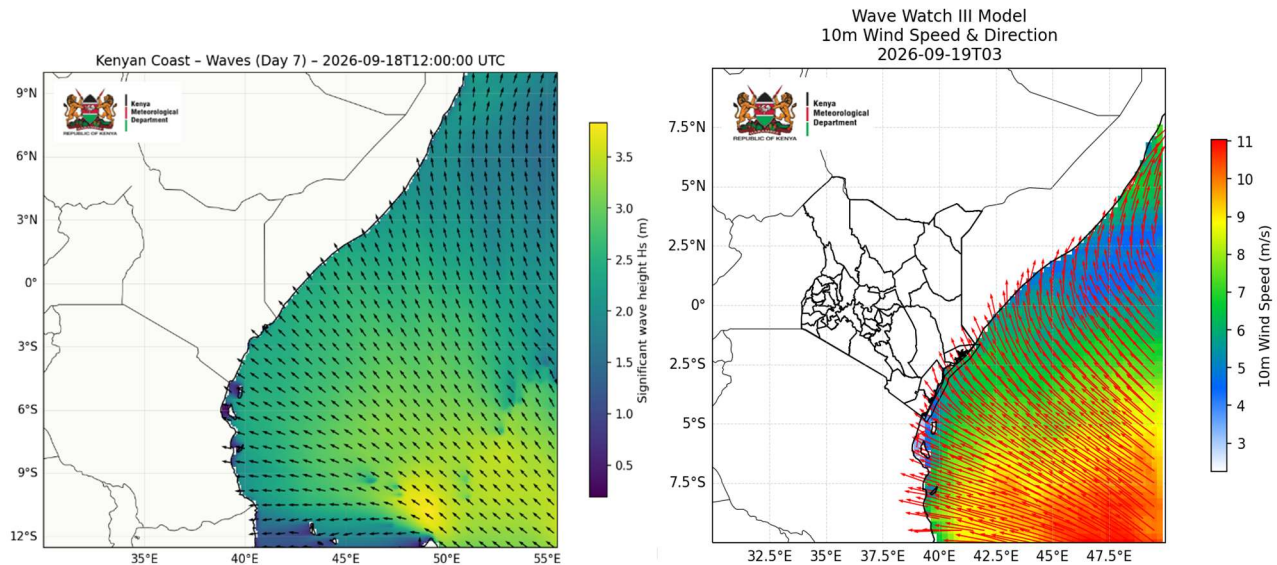
Wave height: 0.5 m to 2.5m ($\approx 1.5 - 7.5$ ft) 10m Winds: 08-22 knots ($\approx 4 - 11$ m/s)



2.7 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 2.5m ($\approx$ 1.5– 7.5ft)

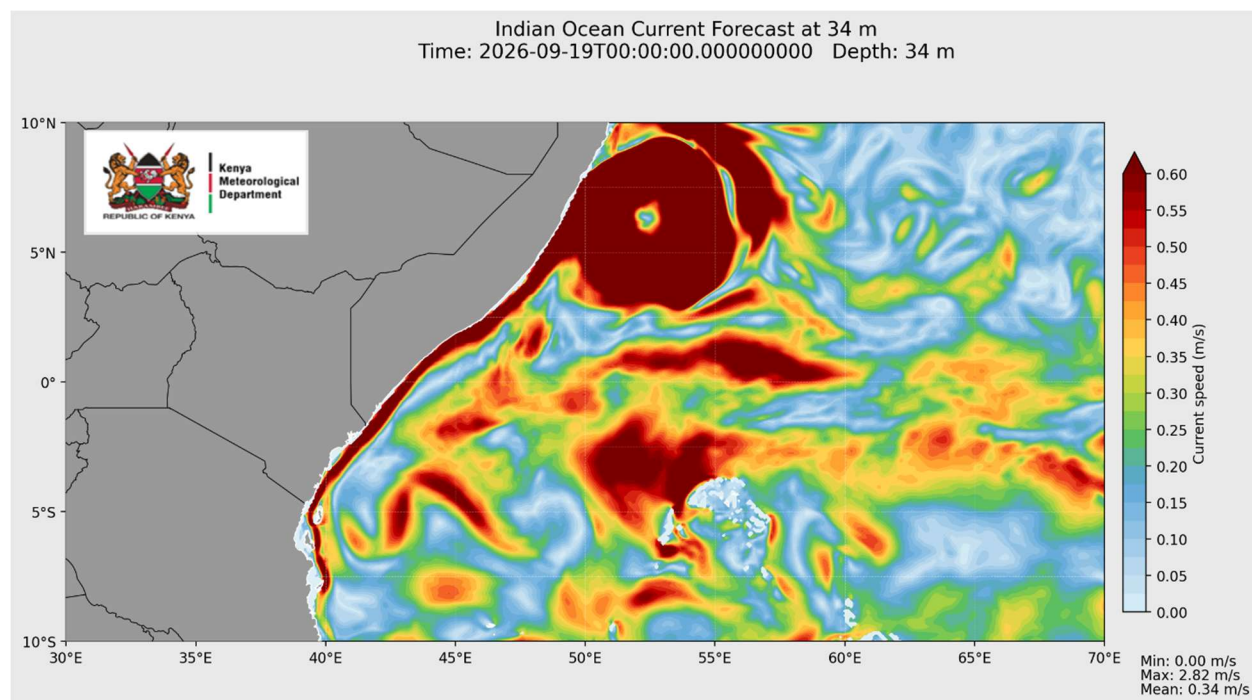
10m Winds:06-22 knots ($\approx$ 3– 11m/s)



Date	Description	High Tide		Low Tide	
		Time	Height	Time	Height
Sun 13 th September, 2026	1 st Tide	5:21 AM	3.68 m	11:26 AM	0.09 m
	2 nd Tide	5:35 PM	3.42 m	11:33 PM	0.13 m
Mon 14 th September, 2026	1 st Tide	05:50 AM	3.64 m	11:58 AM	0.18 m
	2 nd Tide	6:05 PM	3.25 m		
Tue 15 th September, 2026	1 st Tide	06:19 AM	3.52 m	00:00 AM	0.26 m
	2 nd Tide	6:33 PM	3.02 m	12:29 PM	0.36 m
Wed 16 th September, 2026	1 st Tide	06:48 AM	3.32 m	00:27 AM	0.44 m

	2nd Tide	07:00 PM	2.77 m	1:00 PM	0.59 m
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
Fri 18th 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

4.0 7 DAYS OCEAN SURFACE CURRENT IN METERS PER SECONDS (M/S) FORECAST VALID 13/09/2026 TO 19/09/2026



KEY ON SEA STATE

WAVE HEIGHT RANGE (Meters)	DESCRIPTION	IMPACT
0.6 – 1.0 m ($\approx$ 1.8 – 3.0 ft)	Slight	Conditions suitable for Marine activities
1.0 – 1.9 m ($\approx$ 3.0 – 5.7 ft)	Slight – Moderate	
2.0 – 2.9 m ($\approx$ 6.0 – 8.7 ft)	Moderate-Rough	Caution on operating marine activities
3.0 – 4.0 m ($\approx$ 9.0 – 12.0 ft)	Rough	Warning in place!!!!
4.1 – 5.5 m ($\approx$ 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 – $\geq$ 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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For

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