



भारत सरकार/Government of India
पृथ्वी विज्ञान मंत्रालय / Ministry of Earth Sciences
भारत मौसम विज्ञान विभाग / India Meteorological Department
मौसम विज्ञान केंद्र, गोवा / Meteorological Centre, Goa
आलतिनों पणजी -403001/ Altinho Panaji -403001
वेबसाइट/ Website: <https://mausam.imd.gov.in/goa/>



Dated: 23.07.2024
Time of Issue: 1430 Hours IST

SPECIAL WEATHER BULLETIN







HEAVY TO VERY HEAVY RAINFALL ACTIVITY OVER GOA

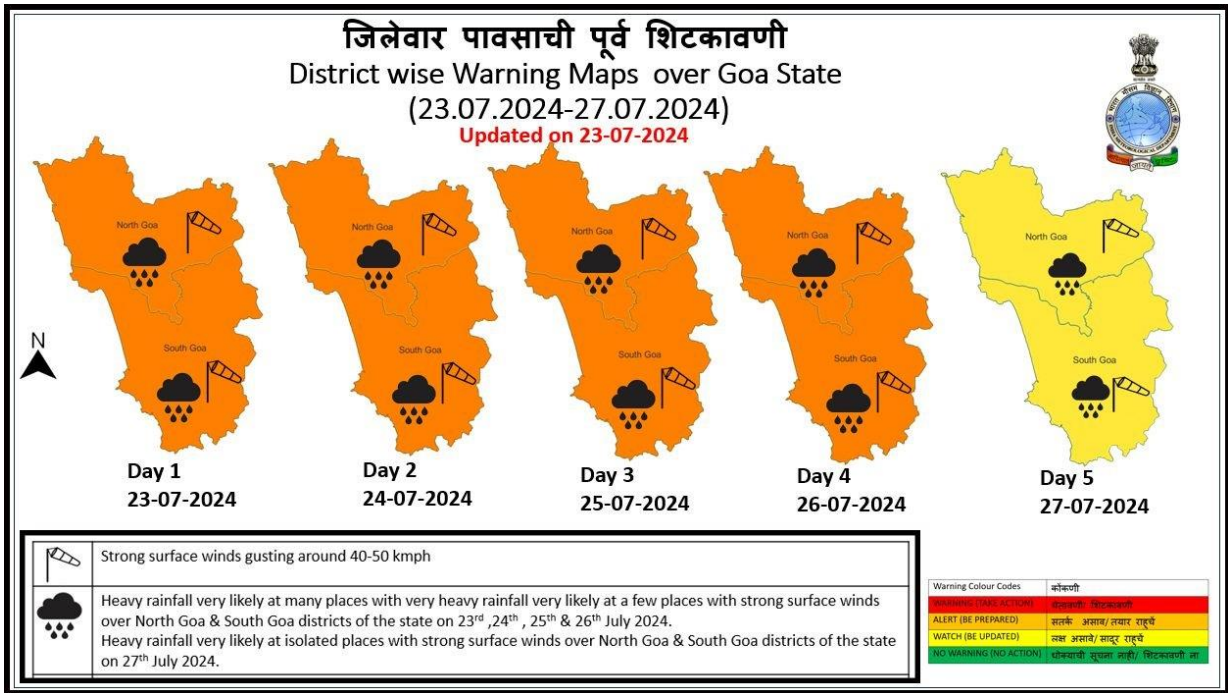
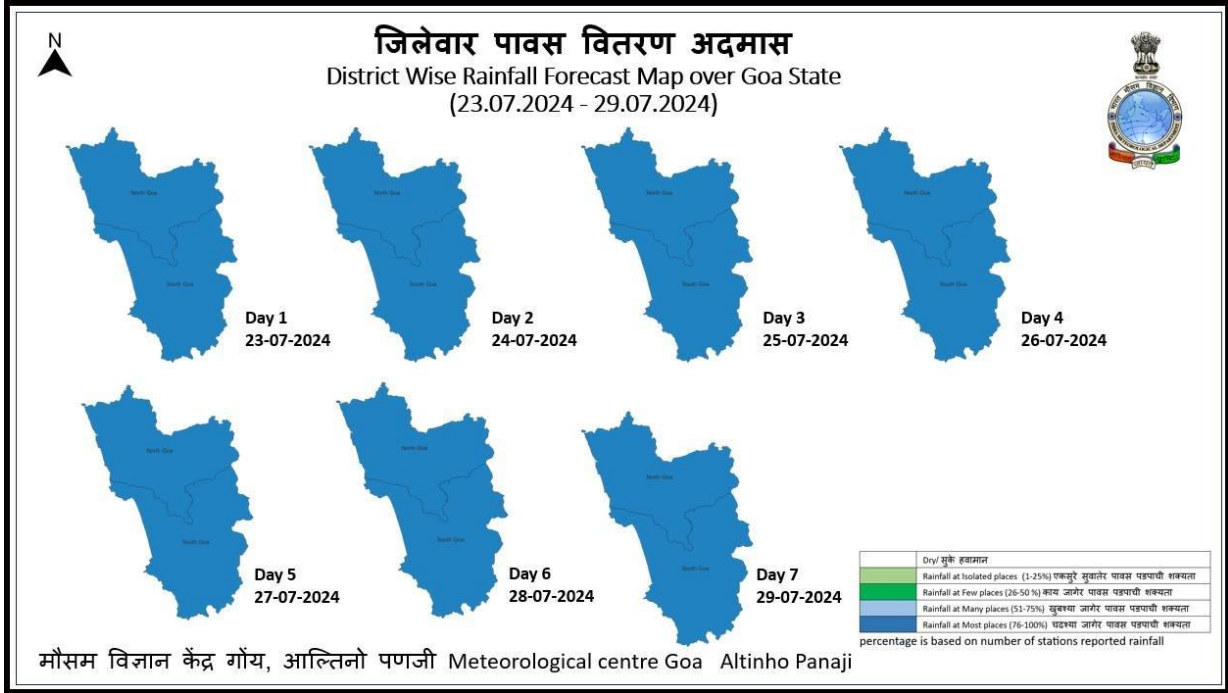
1. HEAVY TO VERY HEAVY RAINFALL ACTIVITY OVER GOA

- The low-pressure area over East Madhya Pradesh & adjoining Chhattisgarh has become less marked. However, associated cyclonic circulation now lies over Jharkhand and neighbourhood and extends up-to 7.6 km above mean sea level tilting southwards with height.
- The Monsoon trough at mean sea level now passes through Bikaner, Sikar, Gwalior, Khajuraho, Ranchi, Digha and extends up-to 0.9 km above mean sea level
- The off-shore trough at mean sea level along South Gujarat- Kerala coast now runs along South Gujarat- north Karnataka coast.
- Strong south-westerly/westerly winds likely to prevail in the lower levels.
- Heavy (rainfall>64.4 mm in 24 hrs) rainfall very likely to occur at many places to very heavy (rainfall>115.5 mm in 24 hrs) rainfall very likely to occur at a few places over North & South Goa districts on 23rd, 24th, 25th, & 26th July 2024.
- Heavy rainfall very likely to occur at isolated places over North & South Goa districts on 27th July 2024.
- Intense spells and strong surface winds gusting to 50kmph very likely along with the rainfall spells.

2. WEATHER FORECAST AND WARNINGS FOR DISTRICTS OF GOA

DAY	Distribution	Colour code	पूर्वानुमान Forecast	चेतावनी Warning
दिन १/ DAY 1 23/07/2024	Most Places		• Moderate to heavy rainfall very likely at most places over North Goa & South Goa districts of the state.	❖ Heavy rainfall very likely at many places with very heavy rainfall very likely at a few places with strong surface winds over North Goa & South Goa districts.

दिन २/ DAY 2 24/07/2024	Most Places		<ul style="list-style-type: none"> • Moderate to heavy rainfall very likely at most places over North Goa & South Goa districts of the state. 	❖ Heavy rainfall very likely at many places with very heavy rainfall very likely at a few places with strong surface winds over North Goa & South Goa districts.
दिन ३/ DAY 3 25/07/2024	Most Places		<ul style="list-style-type: none"> • Moderate to heavy rainfall very likely at most places over North Goa & South Goa districts of the state. 	❖ Heavy rainfall very likely at many places with very heavy rainfall very likely at a few places with strong surface winds over North Goa & South Goa districts.
दिन ४/ DAY 4 26/07/2024	Most Places		<ul style="list-style-type: none"> • Moderate to heavy rainfall very likely at most places over North Goa & South Goa districts of the state. 	❖ Heavy rainfall very likely at many places with very heavy rainfall very likely at a few places with strong surface winds over North Goa & South Goa districts.
दिन ५/ DAY 5 27/07/2024	Most Places		<ul style="list-style-type: none"> • Moderate rainfall very likely at most places over North Goa & South Goa districts of the state. 	❖ Heavy rainfall very likely at isolated places with strong surface winds over North Goa & South Goa districts.
दिन ६/ DAY 6 28/07/2024	Most Places		<ul style="list-style-type: none"> • Moderate rainfall very likely at most places over North Goa & South Goa districts of the state. 	
दिन ७/ DAY 7 29/07/2024	Most Places		<ul style="list-style-type: none"> • Moderate rainfall very likely at most places over North Goa & South Goa districts of the state. 	



Legends

Green: No warning

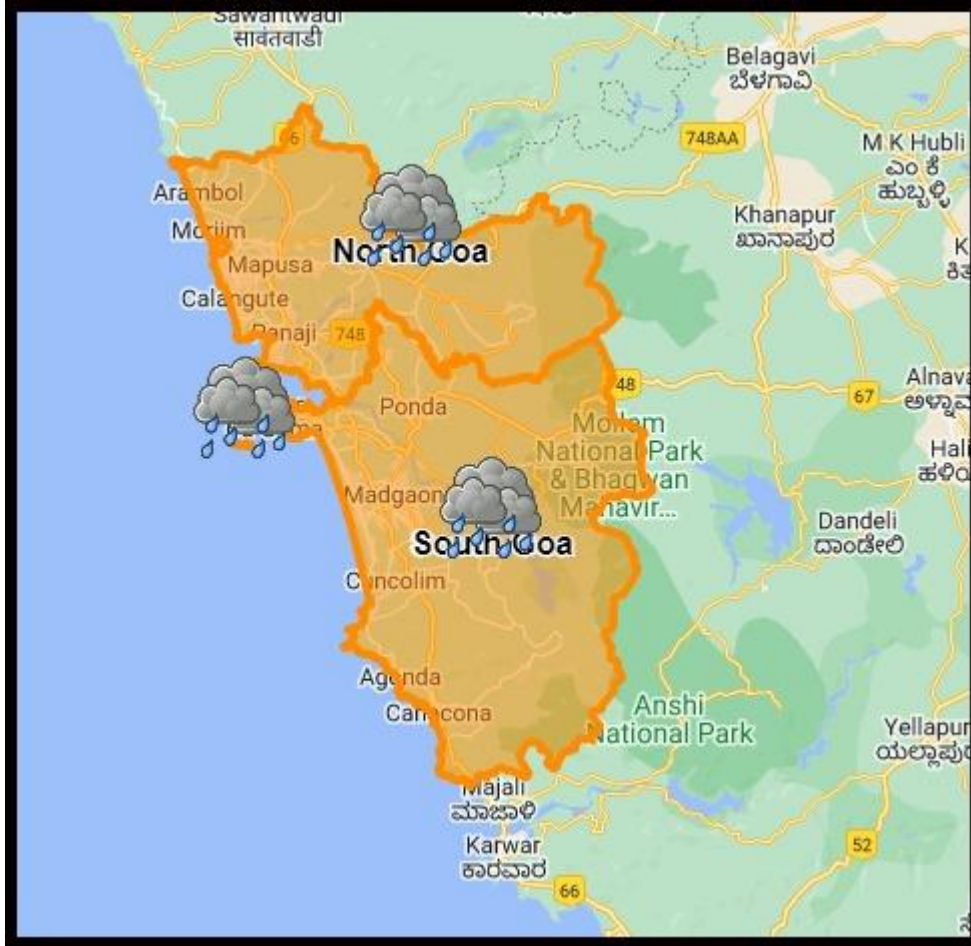
Yellow: Be updated

Orange- Be prepared

Red- Take action

Probability of Occurrence (%): Unlikely:<25%; Likely:25-50%; Very Likely:50-75%; Most Likely:> 75%

Dry (0 stations)	Isolated (< 25% stations)	Few (25-50% stations)	Many (51-75% stations)	Most places (> 75% stations)
---------------------	------------------------------	--------------------------	---------------------------	---------------------------------



CURRENT DAY WEATHER WARNING: Heavy rainfall very likely at many places to very heavy rainfall very likely at a few places with strong surface winds over North Goa South Goa districts for next 24 hours

3. FISHERMEN WARNING FOR MAHARASHTRA-GOIA COAST ISSUED AT 1330 IST ON DATE: 23-07-2024:

SN	WEATHER PARAMETER	WARNING
1	WARNING FOR COASTAL AREAS FOR NORTH-MAHARASHTRA COAST (UPTO 75KM FROM THE COAST)	<ul style="list-style-type: none"> • SQUALLY WEATHER WITH WIND SPEED REACHING 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL ALONG AND OFF NORTH MAHARASHTRA COAST FROM 23RD JULY TO 26TH JULY 2024. • SQUALLY WEATHER WITH WIND SPEED REACHING 35 KMPH TO 45 KMPH GUSTING TO 55 KMPH LIKELY TO PREVAIL ALONG AND OFF NORTH MAHARASHTRA COAST ON 27TH JULY 2024. <p>FISHERMEN ARE ADVISED NOT TO VENTURE ALONG & OFF NORTH MAHARASHTRA COAST DURING ABOVE MENTIONED PERIOD.</p>

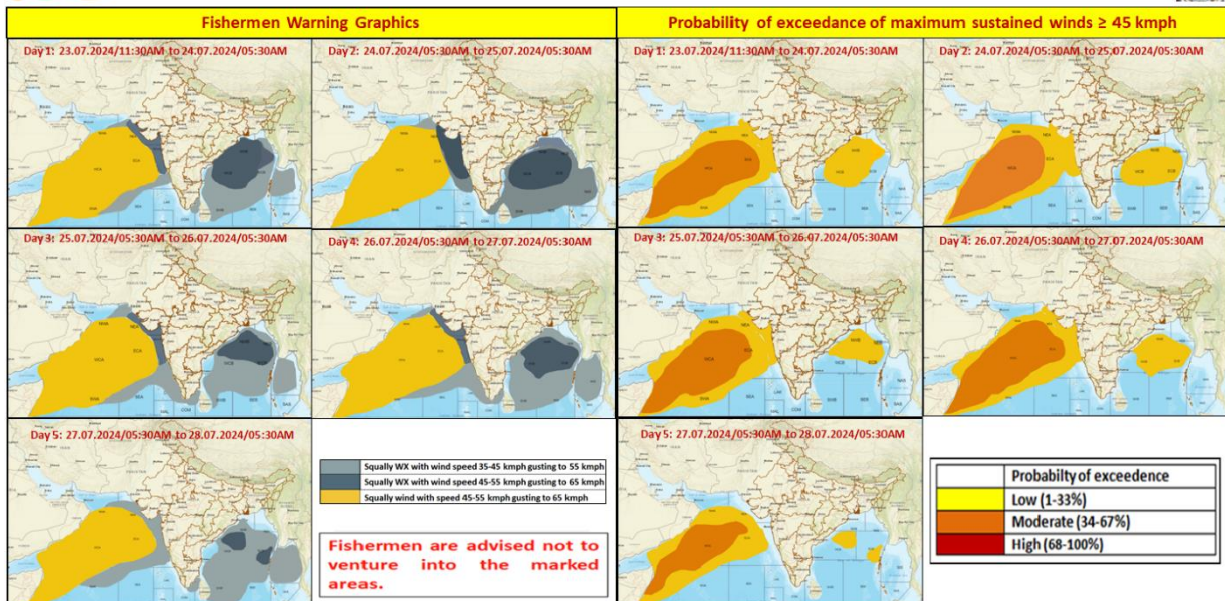
2	WARNING FOR COASTAL AREAS FOR SOUTH MAHARASHTRA-GOA COAST (UPTO 75KM FROM THE COAST)	<ul style="list-style-type: none"> • SQUALLY WEATHER WITH WIND SPEED REACHING 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL ALONG AND OFF SOUTH MAHARASHTRA-GOA COAST FROM 23RD JULY TO 26TH JULY 2024. • SQUALLY WEATHER WITH WIND SPEED REACHING 35 KMPH TO 45 KMPH GUSTING TO 55 KMPH LIKELY TO PREVAIL ALONG AND OFF SOUTH MAHARASHTRA-GOA COAST ON 27TH JULY 2024. <p>FISHERMEN ARE ADVISED NOT TO VENTURE ALONG & OFF SOUTH MAHARASHTRA-GOA COAST DURING ABOVE MENTIONED PERIOD.</p>
3	HIGH WAVE WARNING FROM INCOIS: GOA	<p>GOA: -</p> <p>NORTH GOA</p> <ul style="list-style-type: none"> • HIGH WAVE WARNING FOR THE COAST OF NORTH GOA, GOA FROM CHAPORA TO PANAJI (MALIM). • HIGH WAVES IN THE RANGE OF 3.5 - 3.6 METERS ARE FORECASTED TILL 23:30 HOURS ON 24-07-2024. <p>SOUTH GOA</p> <ul style="list-style-type: none"> • HIGH WAVE WARNING FOR THE COAST OF SOUTH GOA, GOA FROM SANTEREM PT (VASCO) TO KOLAMB. • HIGH WAVES IN THE RANGE OF 3.4 - 3.5 METERS ARE FORECASTED DURING 17:30 HOURS ON 23-07-2024 TO 23:30 HOURS ON 24-07-2024.
4	PORT WARNING FOR MAHARASHTRA - GOA COAST	<ul style="list-style-type: none"> • DUE TO ACTIVE MONSOON CONDITIONS, SQUALLY WEATHER WITH WIND SPEED 45-55 KMPH GUSTING 65 KMPH VERY LIKELY TO PREVAIL ALONG AND OFF NORTH MAHARASHTRA COASTS. • KEEP HOISTED LOCAL CAUTIONARY SIGNAL NO. LC-III (LOCAL CAUTIONARY NO.III) REPEATS LC-III ALONG AND OFF NORTH MAHARASHTRA COAST FROM DAHANU TO SHRIWARDHAN PORT.

4. WARNING FOR HIGH SEA AND OTHER COASTS (BEYOND 75KM FROM THE COAST) ISSUED AT 1330 IST ON DATE: 23-07-2024:

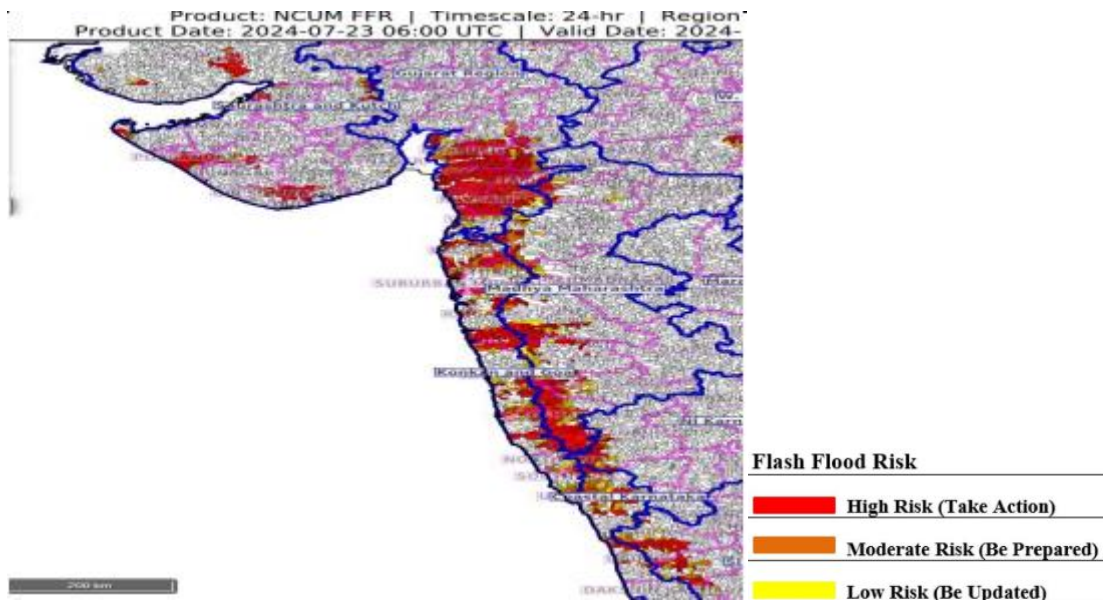
DAY	DATE	WARNING
दिन १/ DAY 1	23/07/2024	<ul style="list-style-type: none"> • SQUALLY WEATHER WITH WIND SPEED REACHING 35 KMPH TO 45 KMPH GUSTING TO 55 KMPH LIKELY TO PREVAIL OVER NORTHEAST AND ADJOINING NORTHWEST ARABIAN SEA, MOST PARTS OF EASTCENTRAL AND MANY PARTS OF WESTCENTRAL ARABIAN SEA, NORTHERN PARTS OF SOUTHEAST AND SOUTHWEST ARABIAN SEA, ALONG AND OFF KARNATAKA COAST, GULF OF MANNAR.

		<ul style="list-style-type: none"> • SQUALLY WEATHER WITH WIND SPEED REACHING 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL ALONG AND OFF GUJARAT ADJOINING NORTHEAST ARABIAN SEA. • SQUALLY WINDS WITH SPEED REACHING 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL OVER CENTRAL ARABIAN SEA & ADJOINING AREAS OF SOUTHEAST AND SOUTHWEST ARABIAN SEA, SOUTHERN PARTS OF NORTH ARABIAN SEA, ALONG & OFF SOMALIA & OMAN COASTS. <p>FISHERMEN ARE ADVISED NOT TO VENTURE INTO THESE AREAS DURING ABOVE MENTIONED PERIOD.</p>
दिन 2/ DAY 2	24/07/2024	<ul style="list-style-type: none"> • SQUALLY WEATHER WITH WIND SPEED REACHING 35 KMPH TO 45 KMPH GUSTING TO 55 KMPH LIKELY TO PREVAIL OVER NORTHEAST AND ADJOINING NORTHWEST ARABIAN SEA, MOST PARTS OF EASTCENTRAL AND MANY PARTS OF WESTCENTRAL ARABIAN SEA, NORTHERN PARTS OF SOUTHEAST AND SOUTHWEST ARABIAN SEA, ALONG AND OFF KARNATAKA COAST, GULF OF MANNAR. • SQUALLY WEATHER WITH WIND SPEED REACHING 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL ALONG AND OFF GUJARAT ADJOINING NORTHEAST ARABIAN SEA. • SQUALLY WINDS WITH SPEED REACHING 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL OVER CENTRAL ARABIAN SEA & ADJOINING AREAS OF SOUTHEAST AND SOUTHWEST ARABIAN SEA, SOUTHERN PARTS OF NORTH ARABIAN SEA, ALONG & OFF SOMALIA & OMAN COASTS. <p>FISHERMEN ARE ADVISED NOT TO VENTURE INTO THESE AREAS DURING ABOVE MENTIONED PERIOD.</p>
दिन 3/ DAY 3	25/07/2024	<ul style="list-style-type: none"> • SQUALLY WEATHER WITH WIND SPEED REACHING 35 KMPH TO 45 KMPH GUSTING TO 55 KMPH LIKELY TO PREVAIL OVER NORTHEAST AND ADJOINING NORTHWEST ARABIAN SEA, MOST PARTS OF EASTCENTRAL AND MANY PARTS OF WESTCENTRAL ARABIAN SEA, NORTHERN PARTS OF SOUTHEAST AND SOUTHWEST ARABIAN SEA, ALONG AND OFF KARNATAKA, KERALA COASTS, OVER LAKSHADWEEP AREA, GULF OF MANNAR. • SQUALLY WEATHER WITH WIND SPEED REACHING 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL ALONG AND OFF GUJARAT COAST ADJOINING NORTHEAST ARABIAN SEA. • SQUALLY WINDS WITH SPEED REACHING 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL OVER CENTRAL ARABIAN SEA & ADJOINING AREAS OF SOUTHEAST AND SOUTHWEST ARABIAN SEA, SOUTHERN PARTS OF NORTH ARABIAN SEA, ALONG & OFF SOMALIA & OMAN COASTS. <p>FISHERMEN ARE ADVISED NOT TO VENTURE INTO THESE AREAS DURING ABOVE MENTIONED PERIOD.</p>
दिन 4/ DAY 4	26/07/2024	<ul style="list-style-type: none"> • SQUALLY WEATHER WITH WIND SPEED REACHING 35 KMPH TO 45 KMPH GUSTING TO 55 KMPH LIKELY TO PREVAIL OVER NORTHEAST AND ADJOINING NORTHWEST ARABIAN SEA, MOST PARTS OF EASTCENTRAL AND MANY PARTS OF WESTCENTRAL ARABIAN SEA, NORTHERN PARTS OF SOUTHEAST AND SOUTHWEST ARABIAN SEA, ALONG AND OFF KARNATAKA, KERALA COASTS, OVER LAKSHADWEEP AREA, GULF OF MANNAR.

		<ul style="list-style-type: none"> • SQUALLY WEATHER WITH WIND SPEED REACHING 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL ALONG AND OFF GUJARAT COAST ADJOINING NORTHEAST ARABIAN SEA. • SQUALLY WINDS WITH SPEED REACHING 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL OVER CENTRAL ARABIAN SEA & ADJOINING AREAS OF SOUTHEAST AND SOUTHWEST ARABIAN SEA, SOUTHERN PARTS OF NORTH ARABIAN SEA, ALONG & OFF SOMALIA & OMAN COASTS. <p>FISHERMEN ARE ADVISED NOT TO VENTURE INTO THESE AREAS DURING ABOVE MENTIONED PERIOD.</p>
दिन 5/ DAY 5	27/07/2024	<ul style="list-style-type: none"> • SQUALLY WEATHER WITH WIND SPEED REACHING 35 KMPH TO 45 KMPH GUSTING TO 55 KMPH LIKELY TO PREVAIL OVER NORTHEAST AND ADJOINING NORTHWEST ARABIAN SEA, MOST PARTS OF EASTCENTRAL AND MANY PARTS OF WESTCENTRAL ARABIAN SEA, NORTHERN PARTS OF SOUTHEAST AND SOUTHWEST ARABIAN SEA, ALONG AND OFF GUJARAT COAST ADJOINING NORTHEAST ARABIAN SEA, KARNATAKA COASTS, GULF OF MANNAR. • SQUALLY WINDS WITH SPEED REACHING 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL OVER CENTRAL ARABIAN SEA & ADJOINING AREAS OF SOUTHEAST AND SOUTHWEST ARABIAN SEA, SOUTHERN PARTS OF NORTH ARABIAN SEA, ALONG & OFF SOMALIA & OMAN COASTS. <p>FISHERMEN ARE ADVISED NOT TO VENTURE INTO THESE AREAS DURING ABOVE MENTIONED PERIOD.</p>



5. 24 HOURS OUTLOOK FOR THE FLASH FLOOD RISK (FFR) TILL 1130 IST OF 24-07-2024 :



Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of Saurashtra & Kutch, Konkan & Goa adjoining southern parts of Gujarat Region and Coastal Karnataka Met Sub-divisions during next 24 hours. Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over area of concern as shown in map due to expected rainfall occurrence in next 24 hours.

6. PROBABLE IMPACT OF HEAVY TO VERY HEAVY RAINFALL & STRONG SURFACE WINDS

a) Heavy to Very Heavy rainfall

- **Some pooling of water on roads and low-lying areas**
- **Localized mudslides**
- **Rough sea conditions along the coast**
- **Possibility of traffic congestions**
- **Short term water logging/flooding of roads and low-lying areas leading water entering homes and shops at areas such as 18th June road, Patto, Mala, Taleigao and other vulnerable areas.**
- **Roofing sheets may get dislocated in strong winds**
- **Possibility of water inundation on agriculture fields**
- **Fall of weak trees and weak structures, trees may uproot, breaking of branches and major damage to horticulture crops**
- **Localized and short-term disruption to municipal services (water, electricity, etc.)**
- **Temporary fall in visibility during intense spells of rain**
- **Community services may be affected**

b) Heavy rainfall

- **Some pooling of water on roads and low-lying areas**
- **Rough sea conditions along the coast**
- **Possibility of traffic congestions**
- **Short term water logging/inundation on roads and low-lying areas**
- **Possibility of water inundation on agriculture fields**
- **Fall of weak trees and weak structures**
- **Localized and short-term disruption to municipal services (water, electricity, etc.)**
- **Temporary fall in visibility during intense spells of rain**

The warnings are issued based on latest observations and numerical weather prediction model guidance. **Please be regularly updated with the latest warnings and forecasts issued by IMD in coming days as the warning colours may be upgraded.**

3 days' impact based forecast available at:

<https://mausam.imd.gov.in/goa/mcdata/ibf.pdf>

Daily weather forecast is available at:

<https://mausam.imd.gov.in/goa/mcdata/dwr1.pdf>

Weather & Fishermen warnings are available at:

<https://mausam.imd.gov.in/goa/mcdata/warnings.pdf>

For latest weather updates, kindly visit the IMD Goa website

<https://mausam.imd.gov.in/goa/>

**Meteorological Centre Goa
India Meteorological Department
Altinho, Panaji, Goa 403001
India
Email: mc.goa@imd.gov.in**