



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: 27.06.2024  
Time of Issue: 1600 Hours IST

## Special weather bulletin - 11







### Heavy to very heavy rainfall activity over Goa

#### 1. Heavy to very heavy rainfall activity over Goa

- ❖ The trough at mean sea level now runs off Maharashtra-north Kerala coasts
- ❖ A shear zone runs roughly along 17°N between 3.1 & 5.8 km above mean sea level tilting southwards with height.
- ❖ The cyclonic circulation over westcentral & adjoining northwest Bay of Bengal now lies over northwest & adjoining westcentral Bay of Bengal and extends upto 5.8 km above mean sea level tilting southwestwards with height.
- ❖ The cyclonic circulation over central Gujarat & neighbourhood persists and extends upto 4.5 km above mean sea level tilting southwards with height.
- ❖ With the strengthening of Southwest Monsoon, strong south-westerly/westerly winds are likely to prevail in the lower levels.
- ❖ Heavy rainfall (rainfall>64.4mm in 24 hrs) to very heavy rainfall (rainfall>115.5mm in 24 hrs) is very likely at isolated places over North & South Goa districts on 27<sup>th</sup> June 2024.
- ❖ Heavy rainfall is very likely at isolated places over North & South Goa districts on 28<sup>th</sup>, 29<sup>th</sup>, 30<sup>th</sup> June 2024 & 1<sup>st</sup> July 2024. Short intense spells and strong surface winds gusting to 50kmph 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 27/06/2024	Most Places		• Moderate rain very likely over North Goa & South Goa districts of the state.	❖ Heavy rainfall to very heavy rainfall with strong surface winds is very likely at isolated places over North Goa & South Goa districts of the state.

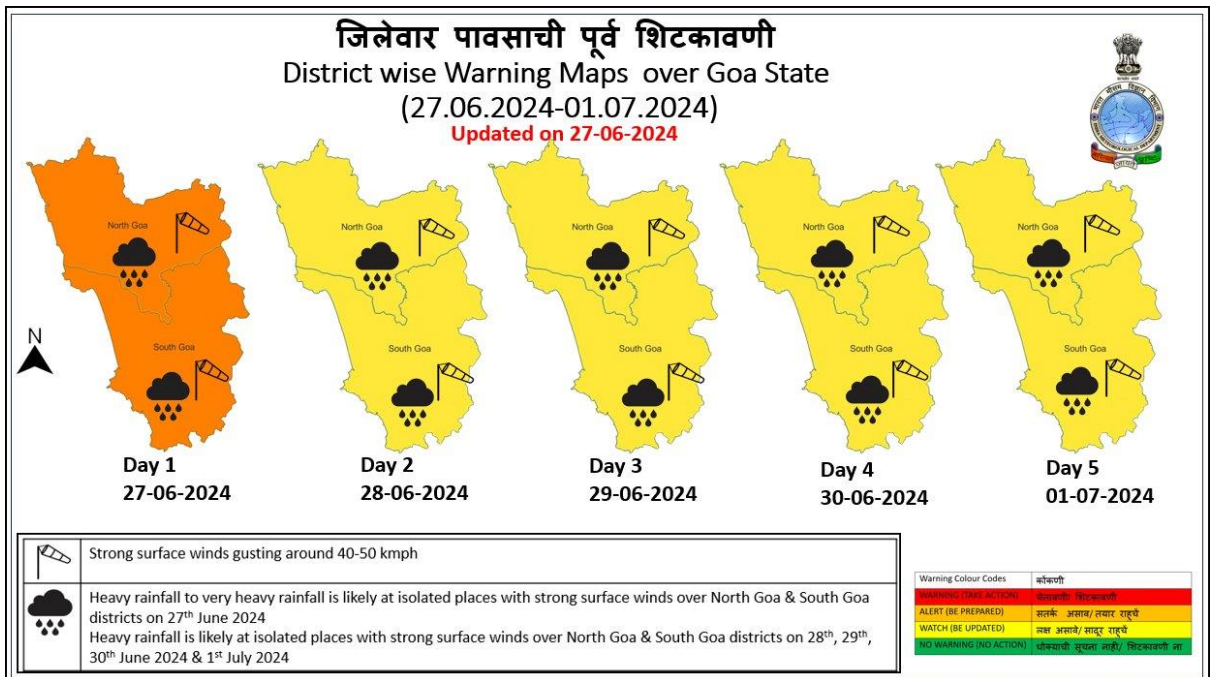
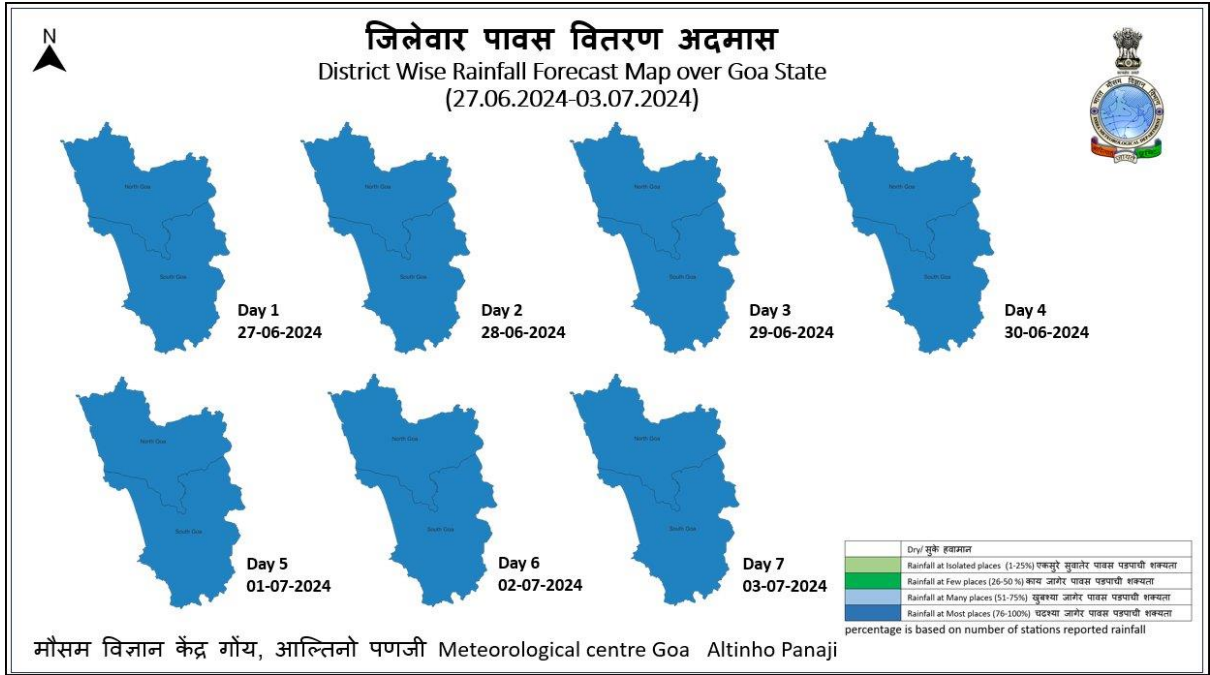
दिन २/ DAY 2 28/06/2024	Most Places		• Light to Moderate rain very likely over North Goa & South Goa districts of the state.	❖ Heavy rainfall with strong surface winds is very likely at isolated places over North Goa & South Goa districts of the state.
दिन ३/ DAY 3 29/06/2024	Most Places		• Light to Moderate rain very likely over North Goa & South Goa districts of the state.	❖ Heavy rainfall with strong surface winds is very likely at isolated places over North Goa & South Goa districts of the state.
दिन ४/ DAY 4 30/06/2024	Most Places		• Light to Moderate rain very likely over North Goa & South Goa districts of the state.	❖ Heavy rainfall with strong surface winds is very likely at isolated places over North Goa & South Goa districts of the state.
दिन ५/ DAY 5 01/07/2024	Most Places		• Light to Moderate rain very likely over North Goa & South Goa districts of the state.	❖ Heavy rainfall with strong surface winds is very likely at isolated places over North Goa & South Goa districts of the state.
दिन ६/ DAY 6 02/07/2024	Most Places		• Light to Moderate rain very likely over North Goa & South Goa districts of the state.	
दिन ७/ DAY 7 03/07/2024	Most Places		• Light to Moderate rain very likely 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)
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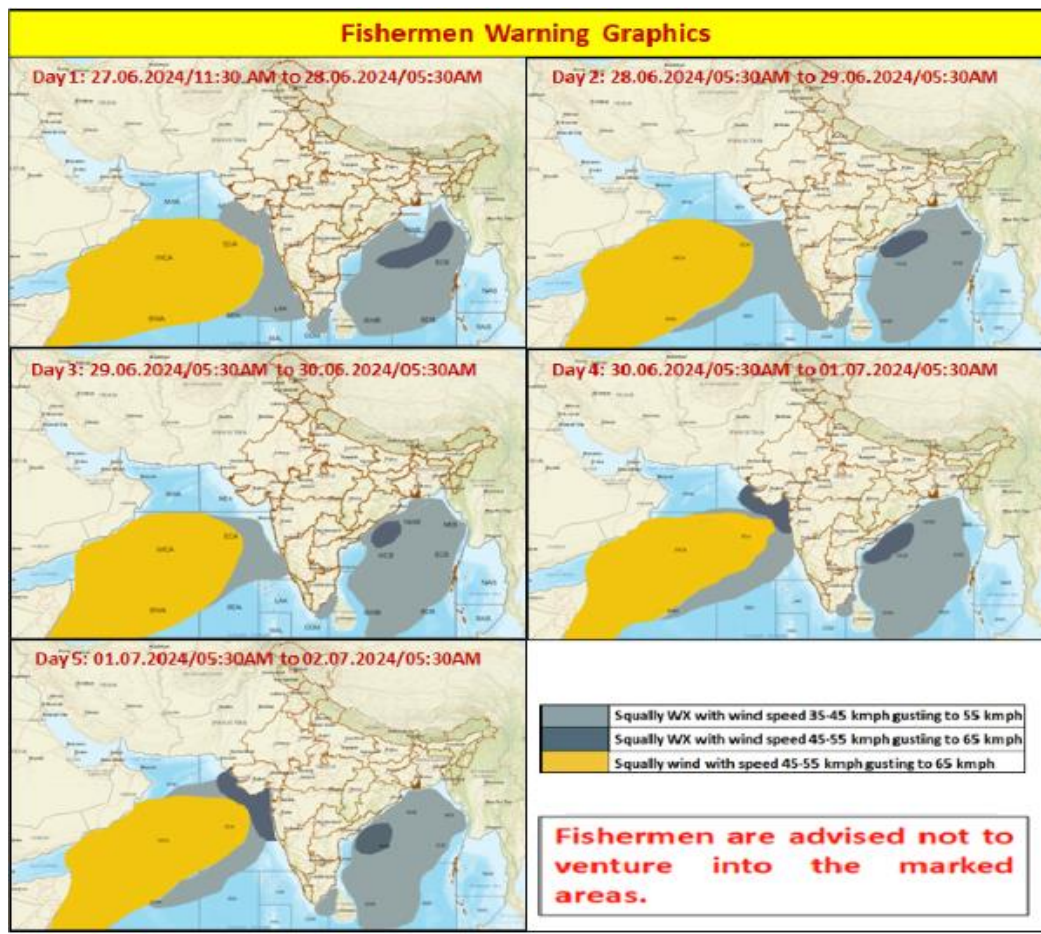
**3. FISHERMEN WARNING FOR MAHARASHTRA-GOA COAST ISSUED  
AT 1330 IST ON DATE: 27-06-2024:**

SN	Weather parameters	Remarks
1	WARNING FOR COASTAL AREAS FOR NORTH MAHARASHTRA COAST (UPTO 75KM FROM THE COAST)	SQUALLY WEATHER WITH WIND SPEED 35 KMPH TO 45 KMPH GUSTING TO 55 KMPH LIKELY TO PREVAIL ALONG AND OFF NORTH MAHARASHTRA COAST ON 27TH, 28TH AND 30TH JUNE. SQUALLY WEATHER WITH WIND SPEED 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL ALONG AND OFF NORTH MAHARASHTRA COAST ON 01ST AND 02ND JULY. <b>FISHERMEN ARE ADVISED NOT TO VENTURE ALONG &amp; OFF SOUTH MAHARASHTRA-GOA COAST DURING ABOVE MENTIONED PERIOD.</b>
2	WARNING FOR COASTAL AREAS FOR SOUTH MAHARASHTRA-GOA COAST (UPTO 75KM FROM THE COAST)	SQUALLY WEATHER WITH WIND SPEED 35 KMPH TO 45 KMPH GUSTING TO 55 KMPH LIKELY TO PREVAIL ALONG AND OFF SOUTH MAHARASHTRA COASTGOA ON 27RD TO 01ST JULY. SQUALLY WEATHER WITH WIND SPEED 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL ALONG AND OFF SOUTH MAHARASHTRA COAST GOA ON 02 <sup>ND</sup> JULY. <b>FISHERMEN ARE ADVISED NOT TO VENTURE ALONG &amp; OFF SOUTH MAHARASHTRA-GOA COAST DURING ABOVE MENTIONED PERIOD.</b>
3	HIGH WAVE WARNING FROM INCOIS:	<b>HIGH WAVE WARNING (RED) FOR THE COAST OF NORTH GOA, GOA FROM CHAPORA TO PANAJI (MALIM).</b> HIGH WAVES IN THE RANGE OF 3.8 - 4.2 METERS ARE FORECASTED DURING 17:30 HOURS ON 26-06-2024 TO 14:30 HOURS ON 28-06-2024. IT ADVISED THAT SMALL VESSELS NOT TO PLY, NEARSHORE RECREATION ACTIVITIES TO BE TOTALLY SUSPENDED, AND EROSION/WAVE SURGES POSSIBLE. <b>HIGH WAVE WARNING (RED) FOR THE COAST OF SOUTH GOA, GOA FROM SANTEREM PT (VASCO) TO KOLAMB.</b> HIGH WAVES IN THE RANGE OF 3.8 - 4.1 METERS ARE FORECASTED DURING 17:30 HOURS ON 26-06-2024 TO 14:30 HOURS ON 28-06-2024. IT ADVISED THAT SMALL VESSELS NOT TO PLY, NEARSHORE RECREATION ACTIVITIES TO BE TOTALLY SUSPENDED, AND EROSION/WAVE SURGES POSSIBLE.
4	PORT WARNING FOR MAHARASHTRA - GOA COAST	NIL

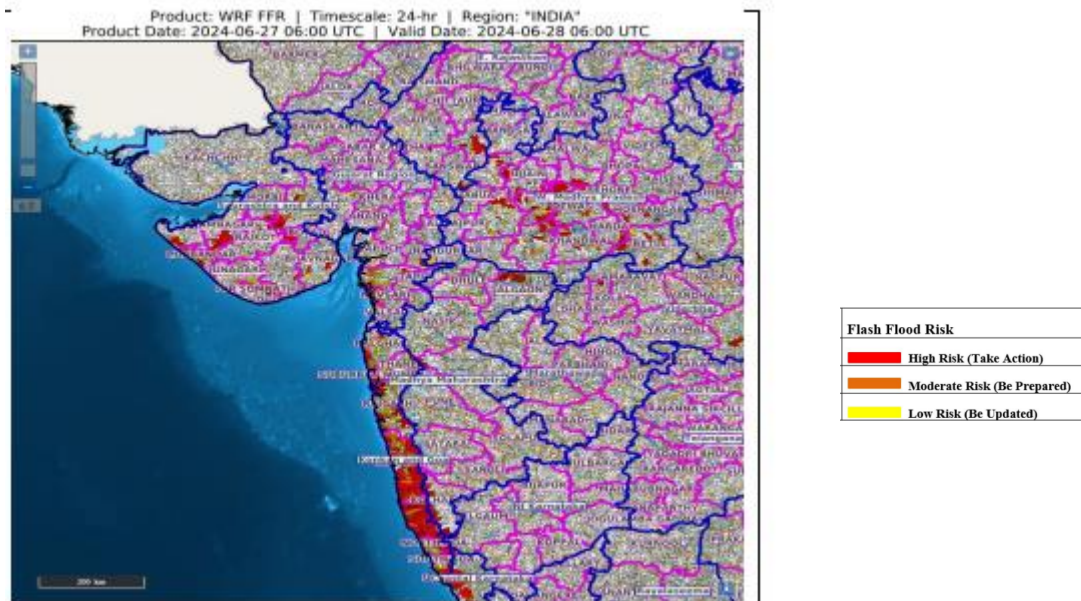
#### 4. WARNING FOR HIGH SEA AND OTHER COASTS (BEYOND 75KM FROM THE COAST) ISSUED AT 1330 IST ON DATE: 27.06.2024

DAY	DATE	WARNING
दिन १/ DAY 1	27/06/2024	<ul style="list-style-type: none"> <li>• SQUALLY WEATHER WITH WIND SPEED 35 KMPH TO 45 KMPH GUSTING TO 55 KMPH LIKELY TO PREVAIL OVER LAKSHADWEEP AREA, ADJOINING SOUTHEAST ARABIAN SEA, EASTCENTRAL AND ADJOINING WEST CENTRAL ARABIAN SEA, ALONG AND OFF SOUTH GUJARAT, KARNATAKA, KERALA COASTS, OVER GULF OF MANNAR.</li> <li>• SQUALLY WIND WITH WIND SPEED 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL ALONG AND OFF SOMALIA COAST, SOUTHWEST AND ADJOINING SOUTHEAST ARABIAN SEA &amp; CENTRAL ARABIAN SEA, ALONG AND OFF YEMEN AND OMAN COASTS.</li> </ul> <p><b>FISHERMEN ARE ADVISED NOT TO VENTURE INTO THESE AREAS DURING ABOVE MENTIONED PERIOD.</b></p>
दिन २/ DAY 2	28/06/2024	<ul style="list-style-type: none"> <li>• SQUALLY WEATHER WITH WIND SPEED 35 KMPH TO 45 KMPH GUSTING TO 55 KMPH LIKELY TO PREVAIL OVER LAKSHADWEEP AREA. ADJOINING SOUTHEAST ARABIAN SEA , ALONG AND OFF KARANATAKA, KERALA COASTS AND OVER GULF OF MANNAR.</li> <li>• SQUALLY WIND WITH WIND SPEED 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL OVER ALONG AND OFF SOMALIA COAST AND SOUTH WEST AND ADJOINING SOUTHEAST AND CENTRAL ARABIAN SEA AND ALONG AND OFF YEMEN &amp; OMAN COASTS.</li> </ul> <p><b>FISHERMEN ARE ADVISED NOT TO VENTURE INTO THESE AREAS DURING ABOVE MENTIONED PERIOD.</b></p>
दिन ३/ DAY 3	29/06/2024	<ul style="list-style-type: none"> <li>• SQUALLY WEATHER WITH WIND SPEED 35 KMPH TO 45 KMPH GUSTING TO 55 KMPH LIKELY TO PREVAIL OVER EASTCENTRAL AND ADJOINING WEST CENTRAL ARABIAN SEA, NORTHERN PARTS OF SOUTHEAST &amp; SOUTHWEST ARABIAN SEA, ALONG AND OFF KARNATAKA COAST, OVER GULF OF MANNAR.</li> <li>• SQUALLY WIND WITH WIND SPEED 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL ALONG AND OFF SOMALIA COAST, SOUTHWEST AND ADJOINING SOUTHEAST ARABIAN SEA &amp; CENTRAL ARABIAN SEA, ALONG AND OFF YEMEN AND OMAN COASTS.</li> </ul> <p><b>FISHERMEN ARE ADVISED NOT TO VENTURE INTO THESE AREAS DURING ABOVE MENTIONED PERIOD.</b></p>
दिन ४/ DAY 4	30/06/2024	<ul style="list-style-type: none"> <li>• SQUALLY WEATHER WITH WIND SPEED 35 KMPH TO 45 KMPH GUSTING TO 55 KMPH LIKELY TO PREVAIL OVER EASTCENTRAL AND ADJOINING WEST CENTRAL ARABIAN SEA, NORTHERN PARTS OF SOUTHEAST &amp; SOUTHWEST ARABIAN SEA, OVER GULF OF MANNAR, SQUALLY WEATHER WITH WIND SPEED</li> </ul>

		<p>45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL ALONG AND OFF GUJARAT COAST.</p> <ul style="list-style-type: none"> <li>• SQUALLY WIND WITH WIND SPEED 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL ALONG AND OFF SOMALIA COAST, SOUTHWEST AND ADJOINING SOUTHEAST ARABIAN SEA &amp; CENTRAL ARABIAN SEA, ALONG AND OFF YEMEN AND OMAN COASTS</li> </ul> <p><b>FISHERMEN ARE ADVISED NOT TO VENTURE INTO THESE AREAS DURING ABOVE MENTIONED PERIOD.</b></p>
<p>दिन ५/ DAY 5</p>	<p>01/07/2024</p>	<ul style="list-style-type: none"> <li>• SQUALLY WEATHER WITH WIND SPEED 35 KMPH TO 45 KMPH GUSTING TO 55 KMPH LIKELY TO PREVAIL OVER EASTCENTRAL AND ADJOINING WEST CENTRAL ARABIAN SEA, NORTHERN PARTS OF SOUTHEAST &amp; SOUTHWEST ARABIAN SEA, AND OVER GULF OF MANNAR, SQUALLY WEATHER WITH WIND SPEED 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL ALONG AND OFF GUJARAT COAST.</li> <li>• SQUALLY WIND WITH WIND SPEED 45 KMPH TO 55 KMPH GUSTING TO 65 KMPH LIKELY TO PREVAIL ALONG AND OFF SOMALIA COAST, SOUTHWEST AND ADJOINING SOUTHEAST ARABIAN SEA &amp; CENTRAL ARABIAN SEA, ALONG AND OFF YEMEN AND OMAN COASTS.</li> </ul> <p><b>FISHERMEN ARE ADVISED NOT TO VENTURE INTO THESE AREAS DURING ABOVE MENTIONED PERIOD.</b></p>



## 5. 24 HOURS OUTLOOK FOR THE FLASH FLOOD RISK (FFR) TILL 1130 IST OF 28-06-2024



Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of Konkan & Goa during next 24 hours. Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.

## 6. PROBABLE IMPACT OF HEAVY TO VERY HEAVY RAINFALL

### a) 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

## **b) 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**



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/>**

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