



Time of Issue: 1500 IST

Dated: 16.07.2025

To,  
The Chief Secretary, Govt. of Kerala  
The Administrator, Lakshadweep Islands  
The Principal Secretary (Revenue & Disaster Management)  
The Secretary, Dept. of Fisheries, Govt. of Kerala  
The Kerala State Disaster Management Authority  
The State Emergency Operation Centre  
The Director General of Police  
The Director of Fisheries  
The District Collectors

**Special Bulletin No: 05**

**Sub: Heavy to Very Heavy Rainfall is likely over Kerala during the next 5 days.**

**Synoptic Situations:** Yesterday's Depression over central parts of north Rajasthan weakened into a well marked low pressure area and now lies over northwest Rajasthan at 0830 hrs IST of today, the 16th July, 2025. The associated cyclonic circulation extends upto 5.8km above mean sea level. It is likely to move slowly north-northwestwards and weaken into a low-pressure area during next 12 hours. This system has become unimportant to our region.

Yesterday's well marked low pressure area over north Jharkhand and adjoining south Bihar persisted over the same region at 1730 hrs IST of yesterday the 15th July, 2025. It moved west-northwestwards and lay over southwest Bihar and adjoining east Uttar Pradesh at 0530 hrs IST of today, the 16th July 2025. It persists over the same region at 0830 hrs IST of today, the 16th July 2025. The associated cyclonic circulation extends upto 7.6 km above mean sea level tilting southwestward with height. It is likely to move west-northwestwards across southwest Bihar and east Uttar Pradesh during next 24 hours.

**Strong Westerlies/ North Westerlies likely to prevail over Kerala and Lakshadweep area in the lower tropospheric levels.**

Under the influence of these, widespread rainfall activity with **Heavy** (7-11cm in 24 hours) to **Very heavy** (12-20cm in 24 hours) rainfall is very likely to occur at isolated places over Kerala from 16<sup>th</sup> to 20<sup>th</sup> July 2025. **Heavy** (7-11cm in 24 hours) rainfall is very likely to occur at isolated places over Kerala on 21<sup>st</sup> & 22<sup>nd</sup> July and in Lakshadweep on 16<sup>th</sup>, 19<sup>th</sup> & 20<sup>th</sup> July 2025.

**WEATHER FORECAST FOR NEXT SEVEN DAYS:**

**DAY 1 (16-July-2025) to DAY 7 (22-July-2025):** Rain or thundershower is most likely to occur at most places in Kerala and Lakshadweep.

**WIND WARNING:** Strong Surface winds with speed reaching 40-50 kmph likely to prevail occasionally over Kerala and Lakshadweep from 16<sup>th</sup> to 20<sup>th</sup> July 2025.

**HEAVY RAINFALL WARNING (Graphics enclosed in Annexure I):** Heavy (7-11cm in 24 hours) to very heavy (12-20cm in 24 hours) rainfall is very likely to occur at isolated places over Kerala from 16<sup>th</sup> to 20<sup>th</sup> July 2025. Heavy (7-11cm in 24 hours) rainfall is very likely to occur at isolated places over Kerala on 21<sup>st</sup> & 22<sup>nd</sup> July and in Lakshadweep on 16<sup>th</sup>, 19<sup>th</sup> & 20<sup>th</sup> July 2025.

Heavy (7-11cm in 24 hours) to very heavy (12-20cm in 24 hours) rainfall **ORANGE WARNING** is very likely to occur at one or two places in the districts of:

**Forecast and Warning for any day is valid from 0830 hours IST of that day till 0830 hours IST of the next day.**

- Ernakulam, Idukki, Thrissur, Kozhikode, Wayanad, Kannur & Kasaragod on **Day 1 (16.07.2025)**.
- Kannur & Kasaragod on **Day 2 (17.07.2025)**.
- Kannur & Kasaragod on **Day 3 (18.07.2025)**.
- Malappuram, Kozhikode, Wayanad, Kannur & Kasaragod on **Day 4 (19.07.2025)**.
- Idukki, Malappuram, Kozhikode, Wayanad, Kannur & Kasaragod on **Day 5 (20.07.2025)**.

**Heavy rainfall (7- 11 cm in 24 hours) (YELLOW WARNING) is very likely to occur at one or two places in the districts of:**

- Thiruvananthapuram, Kollam, Pathanamthitta, Alappuzha, Kottayam, Palakkad & Malappuram and Lakshadweep on **Day 1 (16.07.2025)**.
- Alappuzha, Ernakulam, Idukki, Thrissur, Palakkad, Malappuram, Kozhikode & Wayanad on **Day 2 (17.07.2025)**.
- Ernakulam, Idukki, Thrissur, Palakkad, Malappuram, Kozhikode & Wayanad on **Day 3 (18.07.2025)**.
- Pathanamthitta, Kottayam, Ernakulam, Idukki, Thrissur & Palakkad and Lakshadweep on **Day 4 (19.07.2025)**.
- Thiruvananthapuram, Kollam, Pathanamthitta, Alappuzha, Kottayam, Ernakulam, Thrissur & Palakkad and Lakshadweep on **Day 5 (20.07.2025)**.

#### **Probable Impacts due to the Heavy to Very Heavy Rainfall**

- Visibility may become poor due to intense spell of rainfall leading to traffic congestion.
- Temporary Disruption of traffic due to water logging in roads/ uprooting of trees/ breaking of tree branches leading to increased travel time.
- Uprooting of trees may cause damages to power sector
- Possibility of damages to vulnerable structures due to heavy to very heavy rainfall
- Partial Damages to Kutcha Houses and Huts due to uprooting of trees.
- Possibilities of Flash floods due to intense spell of rainfall.
- Water logging / flooding in many parts of low-lying areas.
- Landslides/mud slide/land slip very likely.
- Heavy rainfall may damage the standing crops and vegetables in the maturity stage.
- Lightning may injure people and cattle at open place.
- Dispersion of soil from the field and hence seed displacement and poor germination of seeds.

#### **Actions suggested**

- Follow traffic advisories issued, if any.
- Avoid staying in vulnerable structure.
- Avoid going to the areas that face water logging problems/ river fronts.
- People in the vulnerable area are advised to move to safer places.
- Propping of the vegetable pandals recommended.
- Take shelter during thunderstorm/lightning activities.
- Provide mulch at the base of the crop to prevent soil and root damage.
- Avoid working in the fields during thunderstorm/lightning period and ensure proper mechanism to avoid runoff in case of rain.
- Postpone sowing of seeds; if already sown, avoid water stagnation in the field and cover the seeded area with natural mulching materials like straw, farm residues etc.
- Be Updated.

#### **WIND WARNING FOR FISHERMEN (Graphics enclosed in Annexure III):**

| AREA  | WARNING MESSAGE   |
|---|---|
| Kerala coast  | <b>DAY1 (16.07.2025) to DAY5(20.07.2025):</b> Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail along and off Kerala coasts.    |
| Lakshadweep area  | <b>DAY1 (16.07.2025) to DAY5(20.07.2025):</b> Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail over Lakshadweep area.          |
| Karnataka coast   | <b>DAY1 (16.07.2025) to DAY5(20.07.2025):</b> Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail along and off Karnataka coasts. |
| <b>Fishermen are advised not to venture into the above sea areas during the above-mentioned period.</b> |   |

**Forecast and Warning for any day is valid from 0830 hours IST of that day till 0830 hours IST of the next day.**

| FOR OTHER COASTS AND OPEN SEAS  |   |
|---|---|
| <b>Day 1 (16.07.2025)</b>   | <p>Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over most parts of Westcentral Arabian Sea &amp; adjoining, some parts of Eastcentral Arabian Sea, northern parts of Southwest Arabian Sea.</p> <p>Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail over many parts of Eastcentral Arabian Sea, adjoining and some parts of Westcentral Arabian Sea, &amp; adjoining, northern parts of South Arabian Sea, most parts of Southwest and adjoining parts of Southeast and Westcentral Bay of Bengal, along and off South Tamilnadu coast, over Gulf of Mannar and Comorin area.</p>                          |
| <b>Day 2 (17.07.2025)</b>   | <p>Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over most parts of Westcentral Arabian Sea &amp; adjoining, some parts of Eastcentral Arabian Sea, northern parts of Southwest Arabian Sea.</p> <p>Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail over many parts of Eastcentral Arabian Sea, adjoining and some parts of Westcentral Arabian Sea, &amp; adjoining, northern parts of South Arabian Sea, many parts of Southwest and adjoining parts of Southeast &amp; Westcentral Bay of Bengal, along and off South Tamilnadu coast, over Gulf of Mannar and Comorin area.</p>                        |
| <b>Day 3 (18.07.2025)</b>   | <p>Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over most parts of Westcentral Arabian Sea &amp; adjoining some parts of Eastcentral Arabian Sea, northern parts of Southwest Arabian Sea.</p> <p>Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail over some parts of Eastcentral, adjoining and some parts of Westcentral Arabian Sea, &amp; adjoining many parts of South Arabian Sea, Maldives, many parts of Southwest and adjoining Westcentral Bay of Bengal, southern parts of Southeast Bay of Bengal, Andaman Sea, along and off South Tamilnadu coast, over Gulf of Mannar and Comorin area.</p> |
| <b>Day 4 (19.07.2025)</b>   | <p>Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over most parts of Westcentral Arabian Sea &amp; adjoining some parts of Eastcentral Arabian Sea, northern parts of Southwest Arabian Sea.</p> <p>Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail over Southern parts of North Arabian Sea, most parts of Eastcentral, adjoining and many parts of Westcentral, northern parts of South Arabian Sea, Maldives, most parts of South and adjoining Westcentral Bay of Bengal and over Andaman Sea, along and off Tamilnadu coast, over Gulf of Mannar and Comorin area.</p>                                 |
| <b>Day 5 (20.07.2025)</b>   | <p>Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over most parts of Westcentral Arabian Sea &amp; adjoining some parts of Eastcentral Arabian Sea, northern parts of Southwest Arabian Sea.</p> <p>Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail over Southern parts of North Arabian Sea, most parts of Eastcentral, adjoining and many parts of Westcentral, northern parts of South Arabian Sea, Maldives, most parts of South and adjoining Westcentral Bay of Bengal and over Andaman Sea, along and off Tamilnadu coast, over Gulf of Mannar and Comorin area.</p>                                 |
| <b>Fishermen are advised not to venture into the above sea areas during the above mentioned period.</b> |   |

#### OCEAN CURRENT ALERT/SWELL SURGE ALERT/HIGH WAVE ALERT BY INCOIS

KERALA, TAMILNADU- NIL

#### LAKSHADWEEP:

| 1. LAKSHADWEEP |                 |   |
|----------------|-----------------|---|
| AGATTI         | HIGH WAVE ALERT | High Wave Alert for the coast of AGATTI, LAKSHADWEEP. High waves in the range of 3.3 - 3.5 meters are forecasted till 20:30 hours on 17-07-2025. It advised that to be careful while doing marine operations and nearshore recreation.  |
| AMINI          | HIGH WAVE ALERT | High Wave Alert for the coast of AMINI, LAKSHADWEEP. High waves in the range of 3.3 - 3.5 meters are till 20:30 hours on 17-07-2025. It advised that to be careful while doing marine operations and nearshore recreation.              |
| ANDROTH        | HIGH WAVE ALERT | High Wave Alert for the coast of ANDROTH, LAKSHADWEEP. High waves in the range of 3.0 - 3.3 meters are forecasted till 17:30 hours on 17-07-2025. It advised that to be careful while doing marine operations and nearshore recreation. |

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|           |                 |  |
|-----------|-----------------|--|
| KAVARATTI | HIGH WAVE ALERT | High Wave Alert for the coast of KAVARATTI, LAKSHADWEEP. High waves in the range of 3.1 - 3.3 meters are till 17:30 hours on 17-07-2025. It advised that to be careful while doing marine operations and nearshore recreation.   |
| MINICOY   | HIGH WAVE ALERT | High Wave Alert for the coast of MINICOY, LAKSHADWEEP. High waves in the range of 2.9 - 3.1 meters are forecasted during 17:30 hours on 16-07-2025 to 11:30 hours on 17-07-2025. It advised that to be careful while doing marine operations and nearshore recreation. |

## 2. KARNATAKA

|                |                 |   |
|----------------|-----------------|---|
| UTTARA KANNADA | HIGH WAVE ALERT | High Wave Alert for the coast of UTTARA KANNADA, KARNATAKA from Majali To Bhatkal. High waves in the range of 3.0 - 3.3 meters are forecasted till 11:30 hours on 17-07-2025. It advised that to be careful while doing marine operations and nearshore recreation. |
|----------------|-----------------|---|

### Port Warning

#### Kerala Ports:

| S.No | Name of the Port   | Advice                             |
|------|--------------------|------------------------------------|
| 1    | KASARGOD           | Local Cautionary signal number III |
| 2    | CANNANORE          | Local Cautionary signal number III |
| 3.   | TELLICHERRY        | Local Cautionary signal number III |
| 4    | KOZHIKODE          | Local Cautionary signal number III |
| 5.   | BEYPORE            | Local Cautionary signal number III |
| 6.   | PONNANI            | Local Cautionary signal number III |
| 7    | AZHIKKAL           | Local Cautionary signal number III |
| 8.   | KOCHI              | Local Cautionary signal number III |
| 9    | ALAPUZHA           | Local Cautionary signal number III |
| 10   | NEEPORT QUILON     | Local Cautionary signal number III |
| 11.  | THIRUVANANTHAPURAM | Local Cautionary signal number III |

KEEPORT THIRUVANANTHAPURAM: For information

#### Lakshadweep Port

| S.No | Name of the Port | Advice                             |
|------|------------------|------------------------------------|
| 1    | MINICOY          | Local Cautionary signal number III |

ADMILAC KAVARATI ISLAND, KEEPORT KAVARATTI : For information

#### Karnataka Ports :

| S.No | Name of the Port    | Advice                             |
|------|---------------------|------------------------------------|
| 1.   | KARWAR              | Local Cautionary signal number III |
| 2.   | MANGALORE           | Local Cautionary signal number III |
| 3.   | PANAMBUR            | Local Cautionary signal number III |
| 4.   | HONAVAR             | Local Cautionary signal number III |
| 5.   | BHATKAL             | Local Cautionary signal number III |
| 6.   | GANGOLI (COONDAPUR) | Local Cautionary signal number III |
| 7.   | MALPE               | Local Cautionary signal number III |

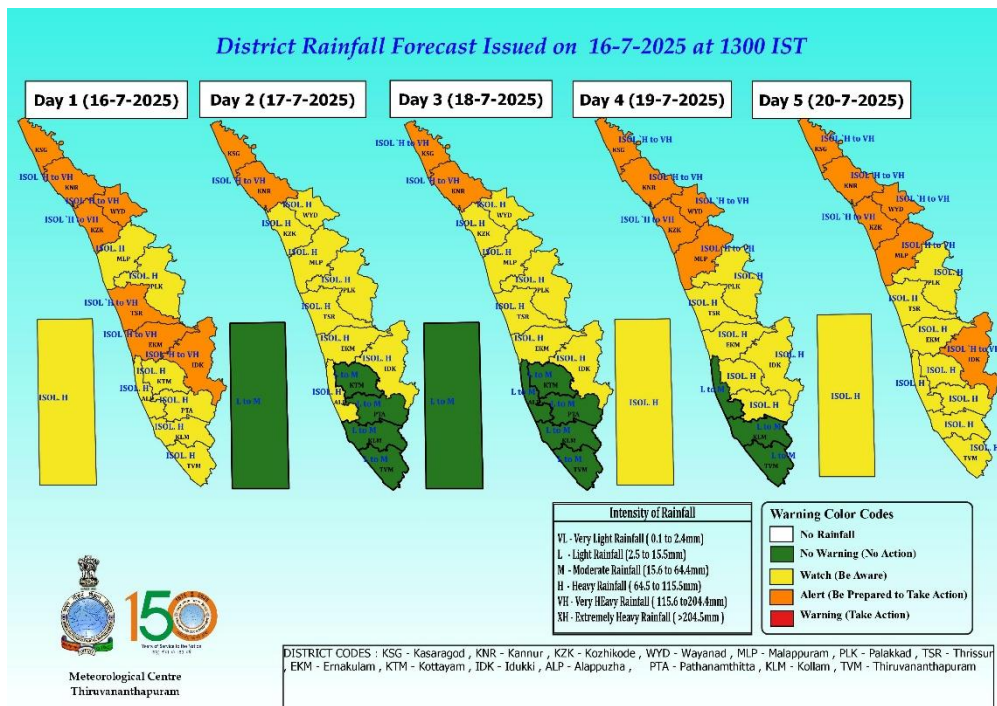
KUMTA, TADRI (GOKARNA), BELEKERI (AVERSA), MURDESHWAR: For Information

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**Realized rainfall (chief amounts in cm) during 24 hours period ended at 08:30 hours IST of 16.07.2025 (Graphics enclosed in Annexure II)**

Bayar AWS (Kasargod district) 7. The other chief amounts of rainfall reports in cm are: Kannur, Kodungallur (Thrissur district), Thalassery (Kannur district), Kudulu (Kasargod district), Peringome AWS (Kannur district), Panathur AWS & Muliya AWS (both in Kasargod district) 5 each, Vadakara (Kozhikode district), Hosdurg (Kasargod district), Pinarayi AWS & Kannur Icar AWS (both in Kannur district) & Padannakkad AWS (Kasargod district) 4 each, AMS KANNUR (Kannur district), Cherthala (Alappuzha district), Perumbavur (Ernakulam district), Quilandi (Kozhikode district), Taliparamba (Kannur district), Mahe (Puducherry UT), Idamalayar Dam AWS (Ernakulam district), Munakkal AWS & Athirappalli AWS (both in Thrissur district), Vadakara AWS (Kozhikode district), Cheruvanchery AWS (Kannur district) & Kannur Airport AWS 3 each, C.I.A.L. Kochi & NAS Kochi (both in Ernakulam district), Kayamkulam, Mavelikkara, Haripad & Mancompu (all in Alappuzha district), Kanjirappally (Kottayam district), Ernakulam South, Aluva (Ernakulam district), Irinjalakuda (Thrissur district), Vythiri (Wayanad district), Irikkur (Kannur district), Pirappancode AWS (Thiruvananthapuram district), Paripalli AWS (Kollam district), Venkuringi AWS (Pathanamthitta district), Udumbannoor AWS (Idukki district), Kalamassery AWS & Aluva AWS (both in Ernakulam district), Kunnamangalam AWS (Kozhikode district), Kalpeta AWS & Padinjara Dam AWS (both in Wayanad district) 2 each and Thiruvananthapuram, Karipur AP (Malappuram district), Kozhikode, Kottayam, Vellanikkara (Thrissur district), Neyyattinkara (Thiruvananthapuram district), Kollam, Konni (Pathanamthitta district), Kayamkulam\_agri (Alappuzha district), Kumarakom (Kottayam district), Myladumpara, Peerumedu & Thodupuzha (all in Idukki district), Idukki, Munnar (Idukki district), Piravam (Ernakulam district), Kunnamkulam & Enamakal (both in Thrissur district), Thattathumala AWS (Thiruvananthapuram district), Chavara AWS (Kollam district), Laha AWS & Ranni AWS (both in Pathanamthitta district), Nooranad AWS (Alappuzha district), Mattanchery AWS & Choondy AWS (both in Ernakulam district), Lower Sholayar AWS (Thrissur district), Urumi AWS & Vilangad AWS (both in Kozhikode district), Aralam AWS & Chemberi AWS (both in Kannur district) & Palluruthy ARG (Ernakulam district) 1 each.

**Annexure I**



**Annexure II**

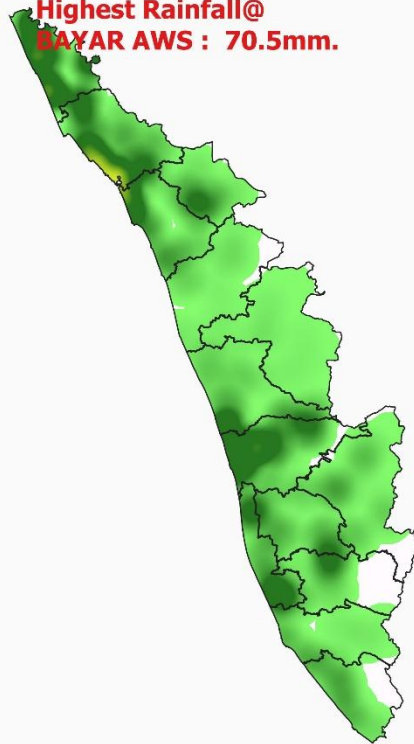
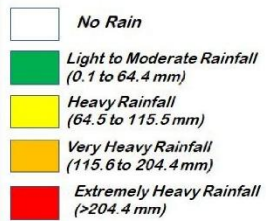
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24 HOUR RAINFALL OVER KERALA & MAHE AND  
LAKSHADWEEP DATED 16-7-2025

**Highest Rainfall@  
BAYAR AWS : 70.5mm.**

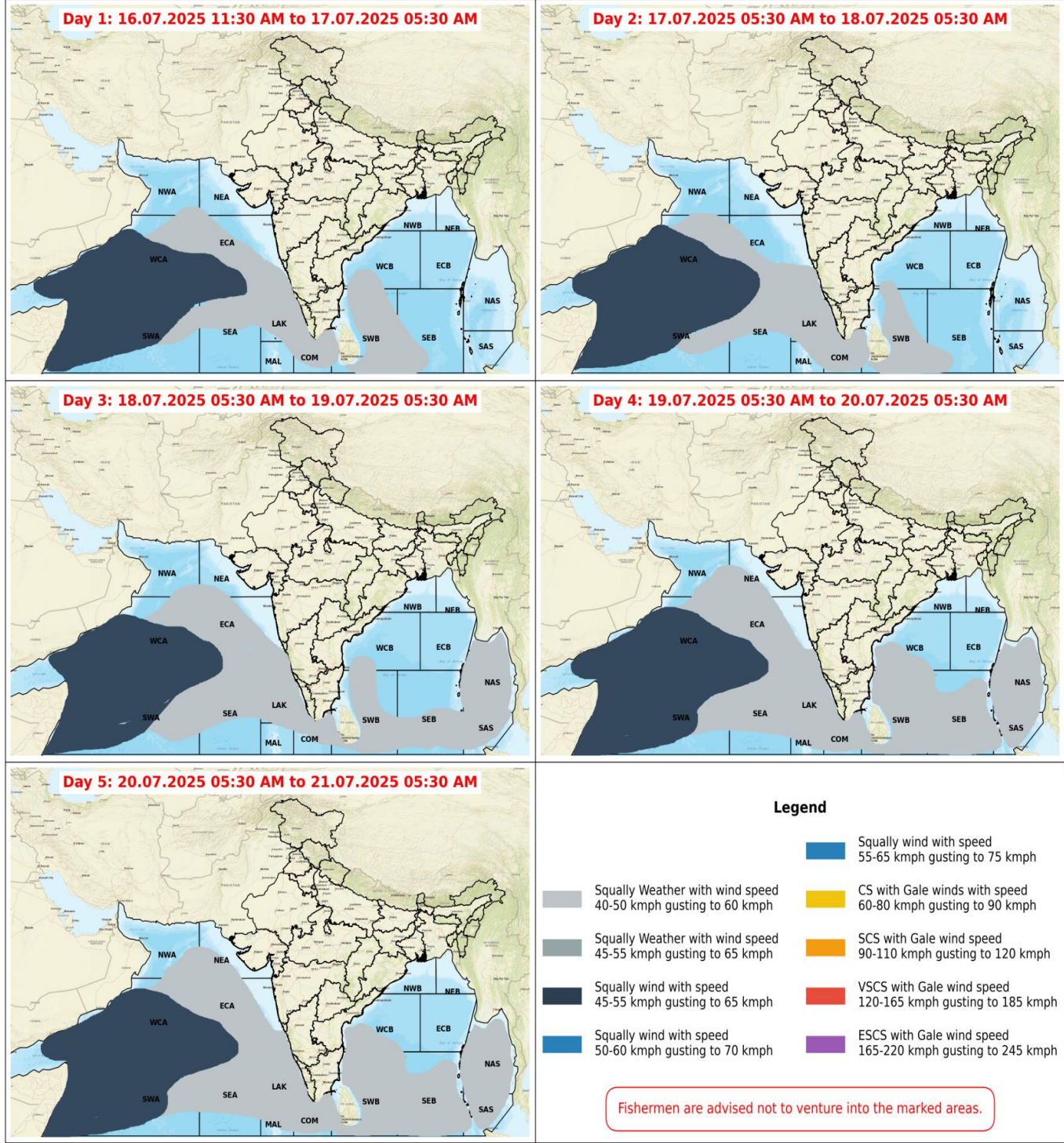


*Meteorological Centre  
Thiruvananthapuram*





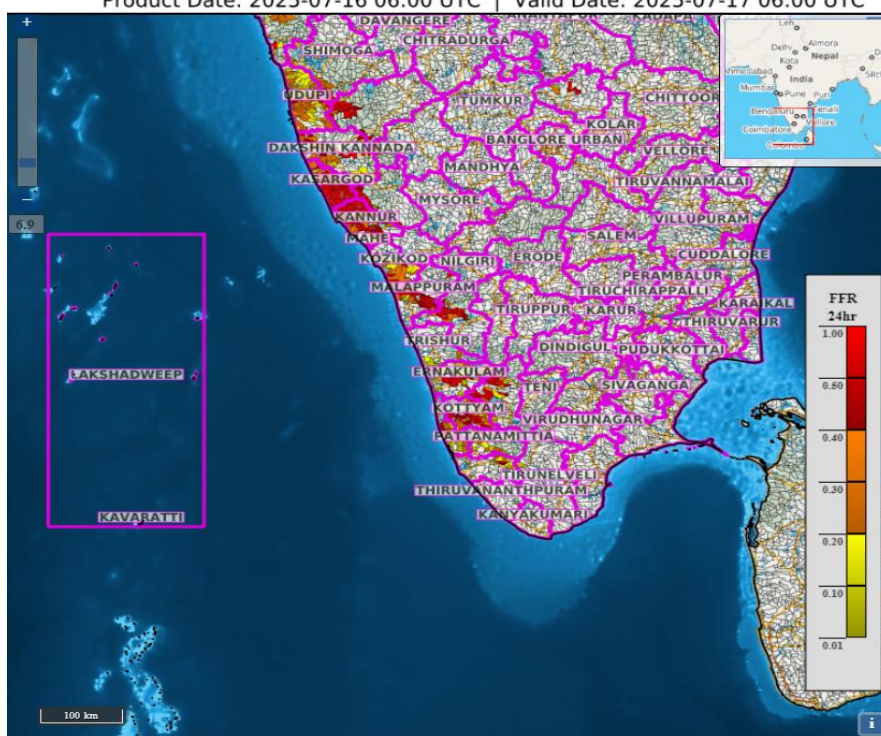
## Fishermen Warning Graphics






Forecast and Warning for any day is valid from 0830 hours IST of that day till 0830 hours IST of the next day.

## 24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 17-07-2025

Product: NCUM FFR | Timescale: 24-hr | Region: "REGIONAL"  
Product Date: 2025-07-16 06:00 UTC | Valid Date: 2025-07-17 06:00 UTC



|   |                                    |
|---|------------------------------------|
| <b>Flash Flood Risk</b>   |                                    |
|  | <b>High Risk (Take Action)</b>     |
|  | <b>Moderate Risk (Be Prepared)</b> |
|  | <b>Low Risk (Be Updated)</b>       |

### Flash Flood Risk (FFR)

Flash Flood Risk products of 12-hour, 24-hour and 36-hour are relative frequencies of positive flash flood threat for the entire forecast lead time interval. This is a measure of the forecast flash flood occurrence frequency and may be considered as a flash flood outlook.

डॉ वी के मनी Dr.V.K.Mini

वैज्ञानिक-एफ      Scientist-F

प्रमुख      Head (LACD)

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