

இந்திய அரசு
இந்திய வானிலை ஆய்வு துறை
மண்டல வானிலை ஆய்வு மையம்
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GOVERNMENT OF INDIA
INDIA METEOROLOGICAL DEPARTMENT
Regional Meteorological Centre
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Date: 15th June 2025

Time of Issue: 14:00 IST

Sub: Enhanced rainfall activity over the western ghat areas:
Weather warnings for Tamilnadu, Puducherry & Karaikal

I. Chief synoptic situations

An upper air cyclonic circulation lies over Northwest Bay of Bengal & neighbourhood between 3.1 & 7.6 km above mean sea level tilting southwestwards with height.

Yesterday's cyclonic circulation over Westcentral Bay of Bengal off North Coastal Andhra Pradesh coast at 5.8 km above mean sea level has merged with the above cyclonic circulation over Northwest Bay of Bengal & neighbourhood.

Yesterday's upper air cyclonic circulation over Marathwada now lies over South Madhya Maharashtra & neighbourhood and extends up to 7.6 km above mean sea level tilting southwestwards with height.

Moderate to strong westerly winds prevail over the southern peninsular region in the lower tropospheric levels.

II. Realised weather

Southwest monsoon over the western ghat districts has been *active* on 14th & *vigorous* on 15th June 2025.

Rainfall occurred at many places over western ghat districts and at a few places over the rest Tamilnadu, Puducherry & Karaikal during the 24-hr ending 08:30 IST of 14th & 15th Jun 2025.

***Heavy to very heavy* rain occurred at a few places over the **ghat areas of Coimbatore** district and *at isolated* places over **Nilgiris** district during the 24-hr ending 08:30 IST of 15th and *isolated heavy* rain occurred over Nilgiris district during the 24-hr ending 08:30 IST of 14th. **Avalanche** (Nilgiris district) recorded 7 cm on 14th & 14 cm on 15th Jun 2025.**

Significant rainfall reports during the past two days are listed below.

District	Date, Station Name & rainfall amounts in cm
Nilgiris	14th: Taluk Office Pandalur 7; Avalanche 7; Vint Worth Estate 6; Devala 5; Upper Bhavani 5; Harisan Malayalam Ltd. 4; Upper Gudalur 4; Gudalur Bazar 4; Wood Braiyar Estate 3; Naduvattam 3; Barwood 2; Kothagiri 1; Emerald 1; Glenmorgan 1; Chamraj Estate 1; Kinnakorai 1;
	15th: Avalanche 14; Taluk Office Pandalur 8; Vint Worth Estate 8; Upper Bhavani 7; Devala 7; Barwood 4; Harisan Malayalam Ltd. 3; Wood Braiyar Estate 3; Gudalur Bazar 2; Upper Gudalur 2; Emerald 2; Naduvattam 2;
Coimbatore	14th: Chinnakalar 5; Sholayar 5; Upasi TRF AWS 4; Valparai PTO 4; Cincona 4; Valparai PAP 4; Valparai Taluk Office 3; Siruvani Adivaram 2; Podanur Railway Station 1; Madukkarai Taluk Office 1; Thondamuthur 1;
	15th: Chinnakalar 13; Upasi TRF AWS 9; Cincona 8; Valparai PTO 8; Sholayar 7; Valparai PAP 7; Valparai Taluk Office 7; Siruvani Adivaram 3; Anaimalai Taluk Office

	1;
Theni	14th: Periyar 4; Thekkadi 2; 15th: Periyar 2; Thekkadi 2;
Tenkasi	14th: Gundar Dam 5; Shencottah 4; Adavinainnarkoil Dam 3; Thenkasi 2; Tenkasi AWS 2; 15th: Shencottah 1; Gundar Dam 1;
Tirunelveli	14th: Nalumukku 3; Oothu 3; Kakkachi 3; Manjolai 2; Papanasam 1; Radhapuram 1; 15th: Nalumukku 3; Oothu 3; Kakkachi 2; Manjolai 1; Papanasam 1; Kodumudiyaru Dam 1;
Kanyakumari	14th: Chittar-I 5; Adayamadai 5; Thirparappu 5; Kuzhithurai 5; Pechiparai AWS 4; Pechiparai 4; Perunchani Dam 4; Balamore 4; Puthan Dam 4; Mambzhathuraiyaru 4; Sivalogam(Chittar II) 4; Anaikedanku 4; Suralacode 3; Kalial 3; Neyyoor AWS 2; Mukkadal Dam 2; Mullanginavillai 2; Colachel 2; Nagercoil 1; Kannimar 1; Kottaram 1; Nagercoil ARG 1; Thuckalay 1; Eraniel 1; Kurunthancode 1; Bhoothapandy 1; 15th: Kanniyakumari 4; Neyyoor AWS 4; Kozhiporvilai 4; Mullanginavillai 4; Kuzhithurai 3; Thirparappu 3; Pechiparai 3; Thuckalay 3; Mambzhathuraiyaru 3; Adayamadai 3; Anaikedanku 3; Pechiparai AWS 3; Colachel 2; Kurunthancode 2; Suralacode 2; Sivalogam(Chittar II) 2; Balamore 2; Puthan Dam 2; Chittar-I 2; Kalial 2; Kottaram 2; Eraniel 2; Perunchani Dam 2; Nagercoil ARG 2; Nagercoil 1; Mylaudy 1; Mukkadal Dam 1; Bhoothapandy 1;

III. Weather warnings for Tamilnadu, Puducherry & Karaikal

(i) Rainfall forecast and warnings for the next five days

Light to moderate rain is likely at *a few* places over Tamilnadu, Puducherry & Karaikal area during the next two days; and at *isolated* places during the subsequent three days. Strong surface winds, speed reaching 40-50 kmph at times, likely at isolated places over Tamilnadu, Puducherry & Karaikal during the next two days.

Thunderstorm & lightning is also likely at one or two places during the next two days.

Isolated heavy to very heavy rain is likely along the western ghat areas during 15th & 16th June 2025 with *extremely heavy* rain at *one or two* places over Nilgiris district on 15th. *Isolated heavy* rain is likely along the western ghat areas on 17th Jun 2025.

(ii) Heavy rainfall warning:

HEAVY RAINFALL WARNING	
Day 1 (15.06.2025)	Heavy to very heavy rain at isolated places with extremely heavy rain at one or two places is likely to occur over Nilgiris district .
	Heavy to very heavy rain is likely to occur at isolated places over Ghat areas of Coimbatore district .
	Heavy rain is likely to occur at isolated places over Ghat areas of Tirunelveli district; Tiruppur, Dindigul, Theni, Tenkasi and Kanyakumari districts .
Day 2 (16.06.2025)	Heavy to very heavy rain is likely to occur at isolated places over Nilgiris district .
	Heavy rain is likely to occur at isolated places Ghat areas of Coimbatore district; Theni, Tenkasi, Dindigul and Tiruppur districts .

Day 3 (17.06.2025)	Heavy rain is likely to occur at isolated places over Nilgiris and Ghat areas of Coimbatore districts.
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(iii) Warnings for fishermen for the next five days

FOR TAMILNADU COASTS	
Day 1 (15.06.2025) & Day 2 (16.06.2025)	Squally wind with speed 45 - 55 kmph gusting to 65 kmph likely to prevail along and off South Tamilnadu Coast, adjoining Comorin Area and Gulf of Mannar. Squally weather with wind speed 35 – 45 kmph gusting to 55 kmph likely to prevail along and off North Tamilnadu Coast.
Day 3 (17.06.2025) to Day 5 (19.06.2025)	Squally weather with wind speed 35 – 45 kmph gusting to 55 kmph likely to prevail along and off Tamilnadu Coast, Comorin Area and Gulf of Mannar.
Fishermen are advised not to venture into the above sea areas during the above mentioned period.	

FOR OTHER THAN TAMILNADU COASTS	
Day 1 (15.06.2025)	Squally wind with wind speed 45 – 55 kmph gusting to 65 kmph likely to prevail along and off Somalia coast, most parts of Westcentral Arabian Sea & adjoining and some parts of Eastcentral Arabian Sea, many parts of Southwest Arabian Sea and adjoining parts of Southeast Arabian Sea. Squally weather with wind speed 40 – 50 kmph gusting to 60 kmph likely to prevail along and off Konkan, Goa, Karnataka, Kerala, Andhra Pradesh coasts, over Southeast Arabian Sea, most parts of Eastcentral Arabian Sea, many parts of Southwest Arabian Sea and Westcentral Arabian Sea, over southern parts of Northeast Arabian Sea, over Lakshadweep, Maldives, over most parts of South Bay of Bengal, Central Bay of Bengal, and over Andaman Sea. Squally weather with wind speed 45 – 55 kmph gusting to 65 kmph likely to prevail over many parts of Westcentral Bay of Bengal & adjoining parts of Southwest & Eastcentral Bay of Bengal.
Day 2 (16.06.2025)	Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph likely to prevail along and off Somalia coast, most parts of Westcentral Arabian Sea & adjoining some parts of Eastcentral Arabian Sea, many parts of Southwest Arabian Sea, adjoining parts of Southeast Arabian Sea. Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail Gujarat, Konkan, Goa, along and off Karnataka, Kerala, Andhra Pradesh coasts, over Southeast Arabian Sea, most parts of Eastcentral Arabian Sea, many parts of Southwest Arabian sea & Westcentral Arabian Sea, over many parts of Northeast Arabian Sea, over Lakshadweep, Maldives, over most parts of Southwest and adjoining Southeast Bay of Bengal, over Central Bay of Bengal, and over North Andaman Sea. Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph likely to prevail over many central Bay of Bengal and adjoining southwest Bay of Bengal.
Day 3 (17.06.2025)	Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph likely to prevail along and off Somalia coast, most parts of Westcentral Arabian Sea & adjoining,

	<p>some parts of Eastcentral Arabian Sea, many parts of Southwest Arabian Sea, adjoining parts of Southeast Arabian Sea.</p> <p>Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail Gujarat, Konkan, Goa, along and off Karnataka, Kerala, Andhra Pradesh coasts, Odisha, over Southeast Arabian Sea, most parts of Eastcentral Arabian Sea, many parts of Southwest Arabian sea & Westcentral Arabian Sea, over many parts of Northeast Arabian Sea, over Lakshadweep, Maldives, over most parts of Southwest and adjoining Southeast Bay of Bengal, over Central and North Bay of Bengal, and over North Andaman Sea.</p> <p>Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph likely to prevail many parts of Westcentral Bay of Bengal, adjoining and some parts of Eastcentral Bay of Bengal.</p>
Day 4 (18.06.2025)	<p>Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph likely to prevail along and off Somalia coast, most parts of Westcentral Arabian Sea & adjoining, some parts of Eastcentral Arabian Sea, many parts of Southwest Arabian Sea, adjoining parts of Southeast Arabian Sea.</p> <p>Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail Gujarat, Konkan, Goa, Karnataka, Kerala, North Andhra Pradesh coasts, Odisha, West Bengal coasts, over Southeast Arabian Sea, most parts of Eastcentral Arabian Sea, many parts of Southwest Arabian sea & Westcentral Arabian Sea, over many parts of Northeast Arabian Sea, over Lakshadweep, Maldives, over most parts of Southwest and few parts of Southeast Bay of Bengal, over most parts of Central and North Bay of Bengal, and over North Andaman Sea.</p> <p>Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph likely to prevail few northern parts of Central Bay of Bengal.</p>
Day 5 (19.06.2025)	<p>Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph likely to prevail along and off Somalia coast, most parts of westcentral Arabian Sea & adjoining, some parts of eastcentral & northwest Arabian Sea, many parts of southwest Arabian Sea.</p> <p>Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph likely to prevail along and off Gujarat, Konkan, Goa, Karnataka, Kerala, north Andhra Pradesh, Odisha, West Bengal coasts, over southeast Arabian Sea, most parts of eastcentral Arabian Sea, many parts of southwest Arabian sea & westcentral Arabian Sea, over most parts of northeast Arabian Sea, over Lakshadweep, Maldives, over some parts of southwest and few parts of southeast Bay of Bengal, over most parts of central and north Bay of Bengal, and over north Andaman Sea.</p> <p>Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph likely to prevail over few northern parts of central Bay of Bengal.</p>
Fishermen are advised not to venture into the above sea areas during the above mentioned period.	

(iv) Impacts expected over the western ghat areas of Tamilnadu (due to recurrent heavy rainfall activity over Kerala and ghat areas of Tamilnadu during the past 2-3 days)

- ✓ Water logging and damages to crops
- ✓ Uprooting of trees and blockage of roads
- ✓ Landslides / Mudslides likely in hilly areas
- ✓ Damages to informal settlements
- ✓ Increase in water levels in rivers, lakes & reservoirs
- ✓ Inland flooding in some low lying areas



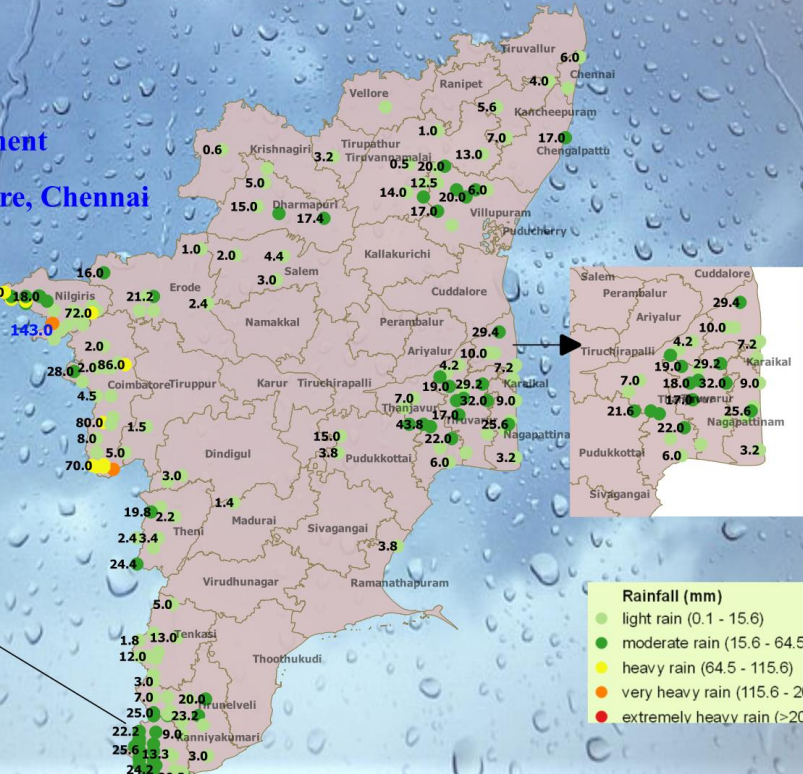
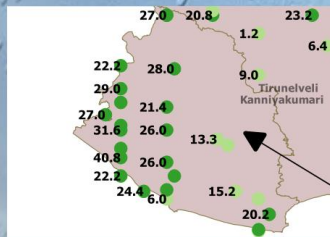
Realised rainfall (mm) during the past 24 hours (upto 08:30 IST of 15/06/2025)

India Meteorological Department

Regional Meteorological Centre, Chennai

Date : 15/06/2025

Highest Rainfall recorded(mm): 143
Place: AVALANCHE (NILGIRIS)



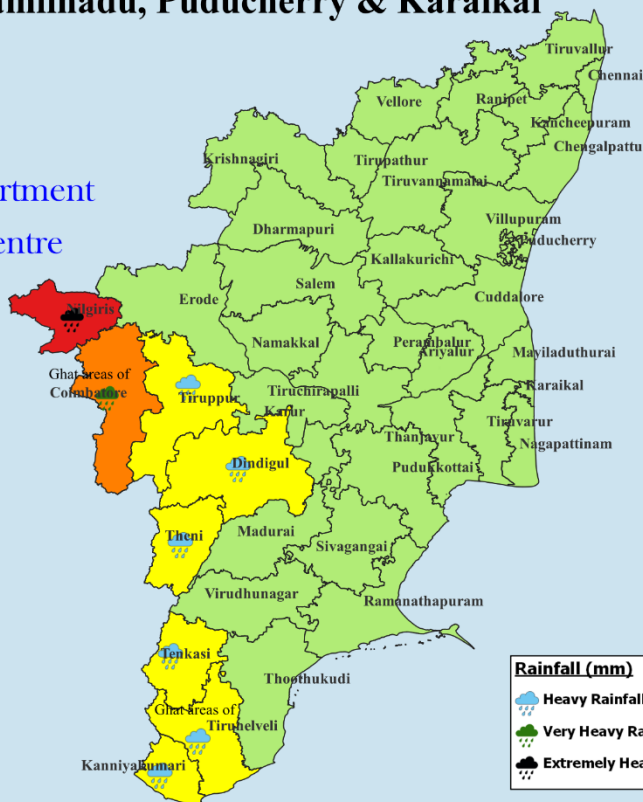
Heavy Rainfall Warnings dated 15/06/2025 for Tamilnadu, Puducherry & Karaikal



India Meteorological Department

Regional Meteorological Centre
Chennai

For Day 1: 15/06/2025



Warnings

- Watch (Be Updated)
- Alert (Be Prepared)
- Warning (Take Action)
- No Warning (No Action)

Rainfall (mm)

- Heavy Rainfall (64.5 - 115.5 mm)
- Very Heavy Rainfall (115.6 - 204.4 mm)
- Extremely Heavy Rainfall > 204.4 mm

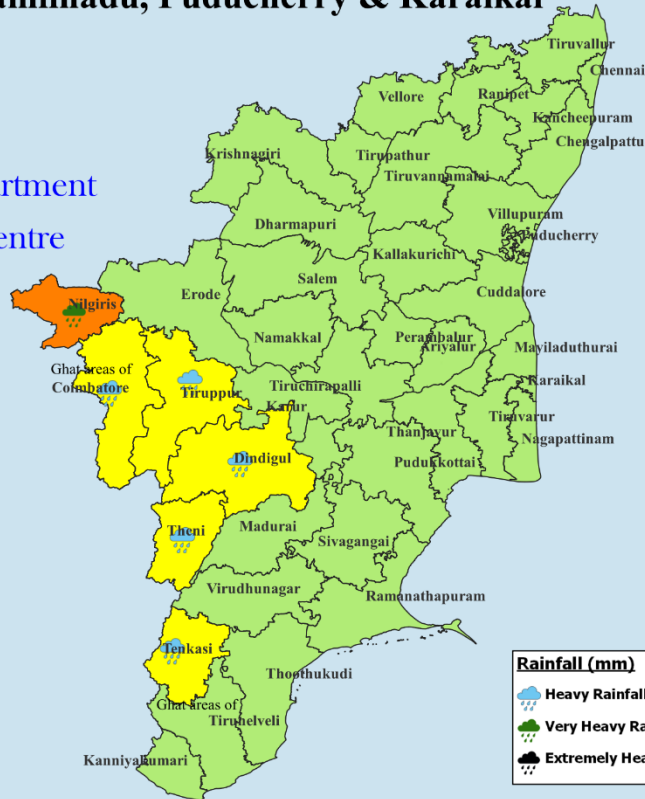


Heavy Rainfall Warnings dated 15/06/2025 for Tamilnadu, Puducherry & Karaikal



India Meteorological Department
Regional Meteorological Centre
Chennai

For Day 2: 16/06/2025



Warnings

- Watch (Be Updated)
- Alert (Be Prepared)
- Warning (Take Action)
- No Warning (No Action)

Rainfall (mm)

- Heavy Rainfall (64.5 - 115.5) mm
- Very Heavy Rainfall (115.6 - 204.4) mm
- Extremely Heavy Rainfall > 204.4 mm



Heavy Rainfall Warnings dated 15/06/2025 for Tamilnadu, Puducherry & Karaikal



India Meteorological Department
Regional Meteorological Centre
Chennai

For Day 3: 17/06/2025



Warnings

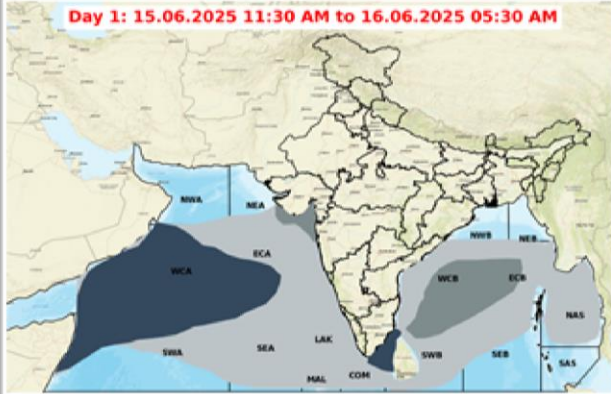
- Watch (Be Updated)
- Alert (Be Prepared)
- Warning (Take Action)
- No Warning (No Action)

Rainfall (mm)

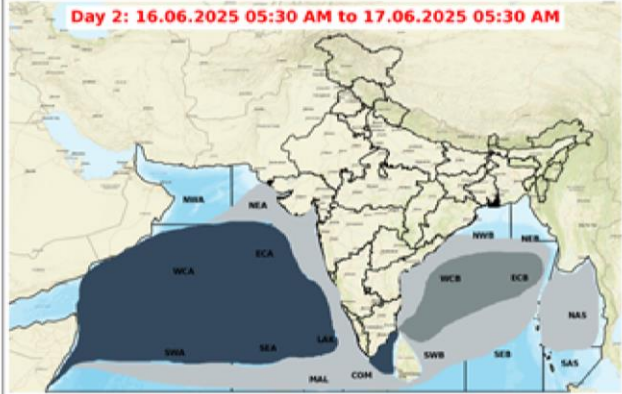
- Heavy Rainfall (64.5 - 115.5) mm
- Very Heavy Rainfall (115.6 - 204.4) mm
- Extremely Heavy Rainfall > 204.4 mm

Fishermen Warning Graphics

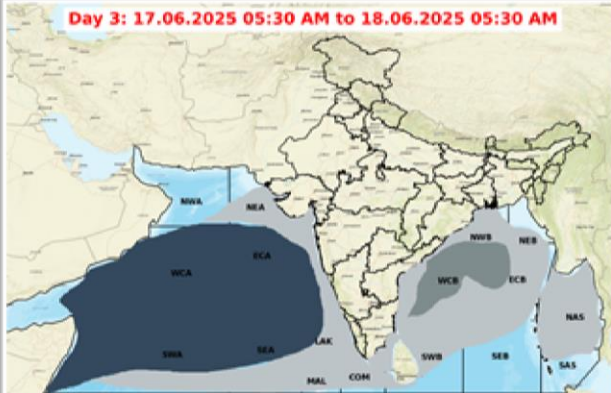
Day 1: 15.06.2025 11:30 AM to 16.06.2025 05:30 AM



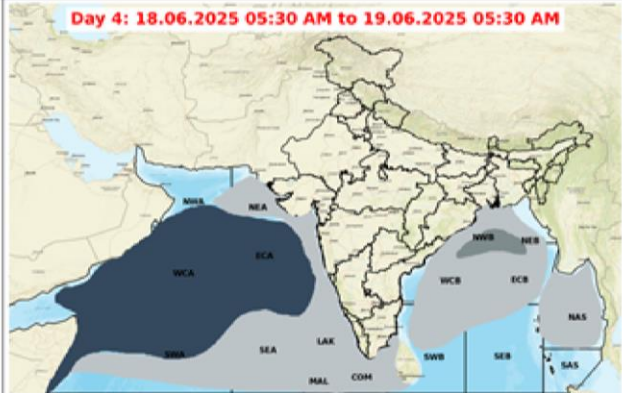
Day 2: 16.06.2025 05:30 AM to 17.06.2025 05:30 AM



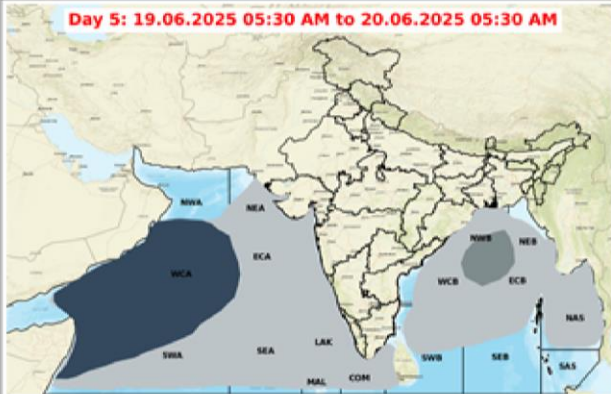
Day 3: 17.06.2025 05:30 AM to 18.06.2025 05:30 AM






Day 4: 18.06.2025 05:30 AM to 19.06.2025 05:30 AM



Day 5: 19.06.2025 05:30 AM to 20.06.2025 05:30 AM



Legend

-  Squally Weather with wind speed 35-45 kmph gusting to 55 kmph
-  Squally Weather with wind speed 45-55 kmph gusting to 65 kmph
-  Squally wind with speed 45-55 kmph gusting to 65 kmph

Fishermen are advised not to venture into the marked areas.