



**India Meteorological Department  
(Ministry of Earth Sciences)**

**NATIONAL BULLETIN NO. 2 (BOB/07/2024)**

**TIME OF ISSUE:1530 HOURS IST**

**DATED:25.11.2024**

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**Sub: Depression over Southwest Bay of Bengal and adjoining East Equatorial Indian Ocean**

The Depression over central parts of South Bay of Bengal and adjoining East Equatorial Indian Ocean moved west-northwestwards with a speed of 30 kmph during past 3 hours and lay centred at 1130 hours IST of today, the 25<sup>th</sup> November 2024 over Southwest and adjoining East Equatorial Indian Ocean near latitude 5.1°N and longitude 84.5°E, about 530 km southeast of Trincomalee, 810 km southeast of Nagappattinam, 920 km southeast of Puducherry and 1000 km south-southeast of Chennai.

It is likely to move nearly northwestwards and intensify into a deep depression during next 24 hours. Thereafter, it is likely to move north-northwestwards towards Sri Lanka - Tamil Nadu coasts during subsequent 2 days.

Forecast track and intensity are given in the following table:

<b>Date/ Time (IST)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (Kmph)</b>	<b>Category of cyclonic disturbance</b>
25.11.24/1130	5.1/84.5	40-50 gusting to 60	Depression
25.11.24/2330	5.6/83.6	45-55 gusting to 65	Depression
26.11.24/1130	6.5/82.7	50-60 gusting to 70	Deep Depression
26.11.24/2330	7.7/82.1	50-60 gusting to 70	Deep Depression
27.11.24/1130	8.9/81.6	55-65 gusting to 75	Deep Depression
27.11.24/2330	9.9/81.1	55-65 gusting to 75	Deep Depression
28.11.24/1130	10.9/80.7	55-65 gusting to 75	Deep Depression

## **Warnings:**

### **(i) Rainfall Warning:**

**Tamil Nadu & Puducherry:** Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places is very likely over coastal Tamil Nadu & Puducherry on 25<sup>th</sup>, heavy to very heavy rainfall at a few places with extremely heavy rainfall at isolated places over Tamil Nadu & Puducherry on 26<sup>th</sup> & 27<sup>th</sup> and heavy rainfall at isolated places is likely on 28<sup>th</sup> November.

**South Coastal Andhra Pradesh:** Light to moderate rainfall at many places with heavy rainfall at isolated places is likely during 26<sup>th</sup> to 28<sup>th</sup> November.

### **(ii) Wind warning:**

- Squally wind speed reaching 40-50 kmph gusting to 60 kmph is very likely to prevail over southwest Bay of Bengal, adjoining southeast Bay of Bengal and along & off Sri Lanka coast on 25 November. Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph along & off Tamil Nadu - Puducherry coasts.
- Squally wind speed reaching 50-60 kmph gusting to 70 kmph is very likely to prevail over southwest Bay of Bengal and adjoining westcentral Bay of Bengal and along & off Tamil Nadu - Puducherry and south Andhra Pradesh coasts on 26<sup>th</sup> and likely to increase becoming 55-65 kmph gusting to 75 kmph during 27<sup>th</sup> to 29<sup>th</sup> November over the same region.

### **(iii) Sea condition:**

- Rough to very Rough Sea condition is very likely to prevail over southwest Bay of Bengal, adjoining southeast Bay of Bengal and along & off Sri Lanka coast on 25 November.
- Rough to very Rough Sea condition is very likely to prevail over southwest Bay of Bengal, adjoining southeast Bay of Bengal and along & off Tamil Nadu – Puducherry coasts till 29<sup>th</sup> November and along & off south Andhra Pradesh coast during 26<sup>th</sup> to 29<sup>th</sup> November.

### **(iv) Fisherman warning:**

- Fishermen out at sea are advised to return to coasts today, the 25<sup>th</sup> November, 2024.
- Fishermen are advised not venture into
  - southeast Bay of Bengal & east Equatorial Indian Ocean on 25<sup>th</sup> November, 2024.
  - southwest Bay of Bengal and along & off Sri Lanka coast till 29<sup>th</sup> November, 2024.
  - Westcentral Bay of Bengal during 26-29<sup>th</sup> November 2024
  - and along & off Tamil Nadu – Puducherry coasts till 29<sup>th</sup> November and along & off south Andhra Pradesh coast during 26<sup>th</sup> to 29<sup>th</sup> November 2024.

### **(v) Impact Expected [over coastal areas of Tamil Nadu – Puducherry and south Andhra Pradesh]**

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Damage to horticulture and standing crops in some areas due to inundation.

**(vi) Action Suggested**

- Fishermen out at sea are advised to return to coasts today, the 25<sup>th</sup> November, 2024.
- Fishermen are advised not venture into
  - southeast Bay of Bengal & east Equatorial Indian Ocean on 25<sup>th</sup> November, 2024.
  - southwest Bay of Bengal and along & off Sri Lanka coast till 29<sup>th</sup> November, 2024.
  - Westcentral Bay of Bengal during 26-29<sup>th</sup> November 2024
  - and along & off Tamil Nadu – Puducherry coasts till 29<sup>th</sup> November and along & off south Andhra Pradesh coast during 26<sup>th</sup> to 29<sup>th</sup> November 2024.
- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Special care may be taken for fishing ponds and poultries over coastal areas.
- Avoid staying in vulnerable structure.

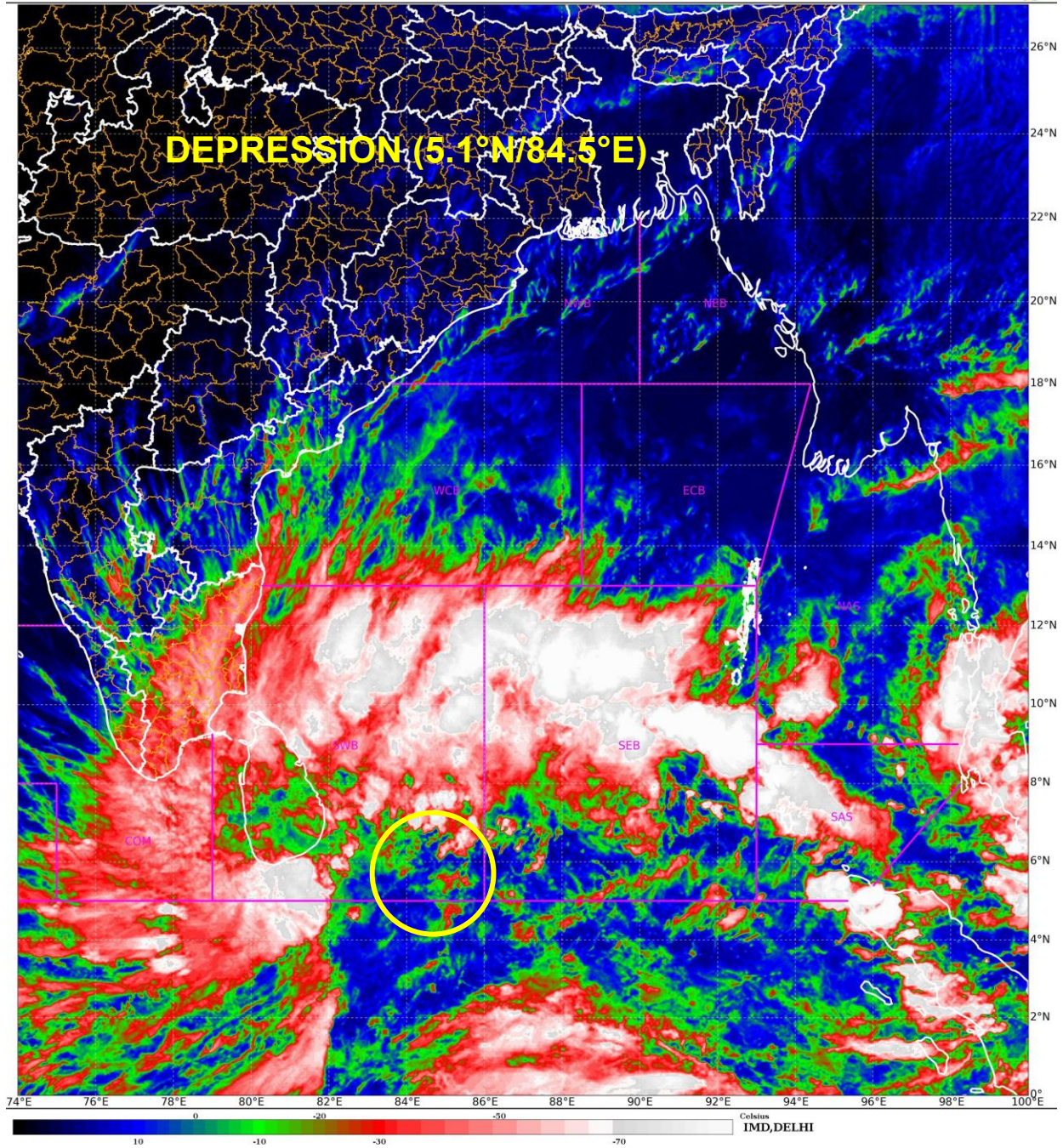
**(vii) Agromet advisories [over coastal areas of Tamil Nadu – Puducherry and Andhra Pradesh]**

- Provide adequate drainage facilities for the removal of excess water from rice, cotton, sugarcane, turmeric and vegetable fields, coconut and banana orchards. Undertake propping in sugarcane. Provide mechanical support to banana plants to prevent lodging.
- Make arrangements to drain out excess water from the standing crop fields and fruit orchards in Kerala and Coastal Andhra Pradesh.
- Harvest the matured crops and keep it in safe place.
- Provide mechanical support to horticultural crops and staking to vegetables.

**Next bulletin will be issued at 2030 hours IST of today, the 25<sup>th</sup> November, 2024.**

**(Dr. Ananda Kumar Das)  
Scientist F, Cyclone Warning, New Delhi**

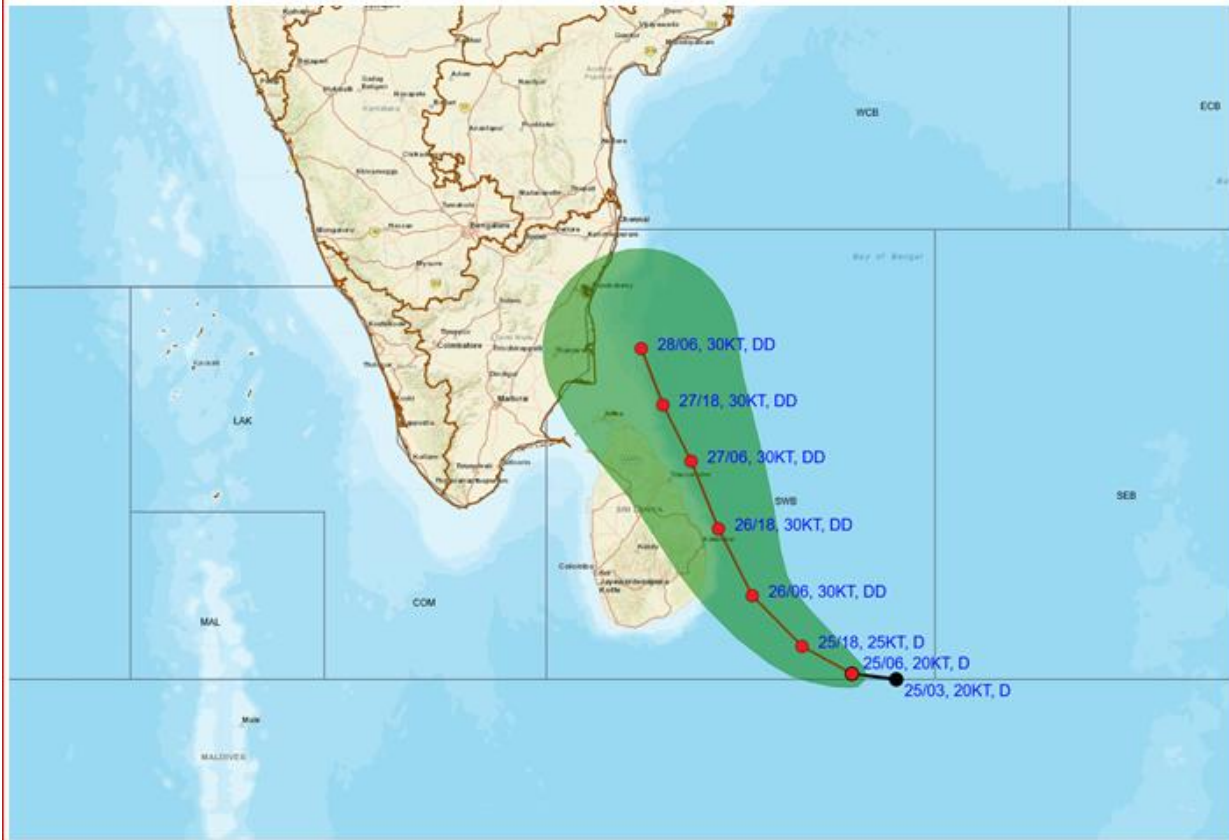
*Copy to: ACWC Kolkata/ACWC Chennai/CWC Bhubaneswar/MC, Amaravati/MC, Thiruvananthapuram/CWC, Vishakhapatnam*







**OBSERVED TRACK ALONG WITH CONE OF UNCERTAINTY OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL AND ADJOINING EAST EQUATORIAL INDIAN OCEAN BASED ON 0600 UTC (1130 HRS. IST) OF 25<sup>TH</sup> NOVEMBER, 2024**



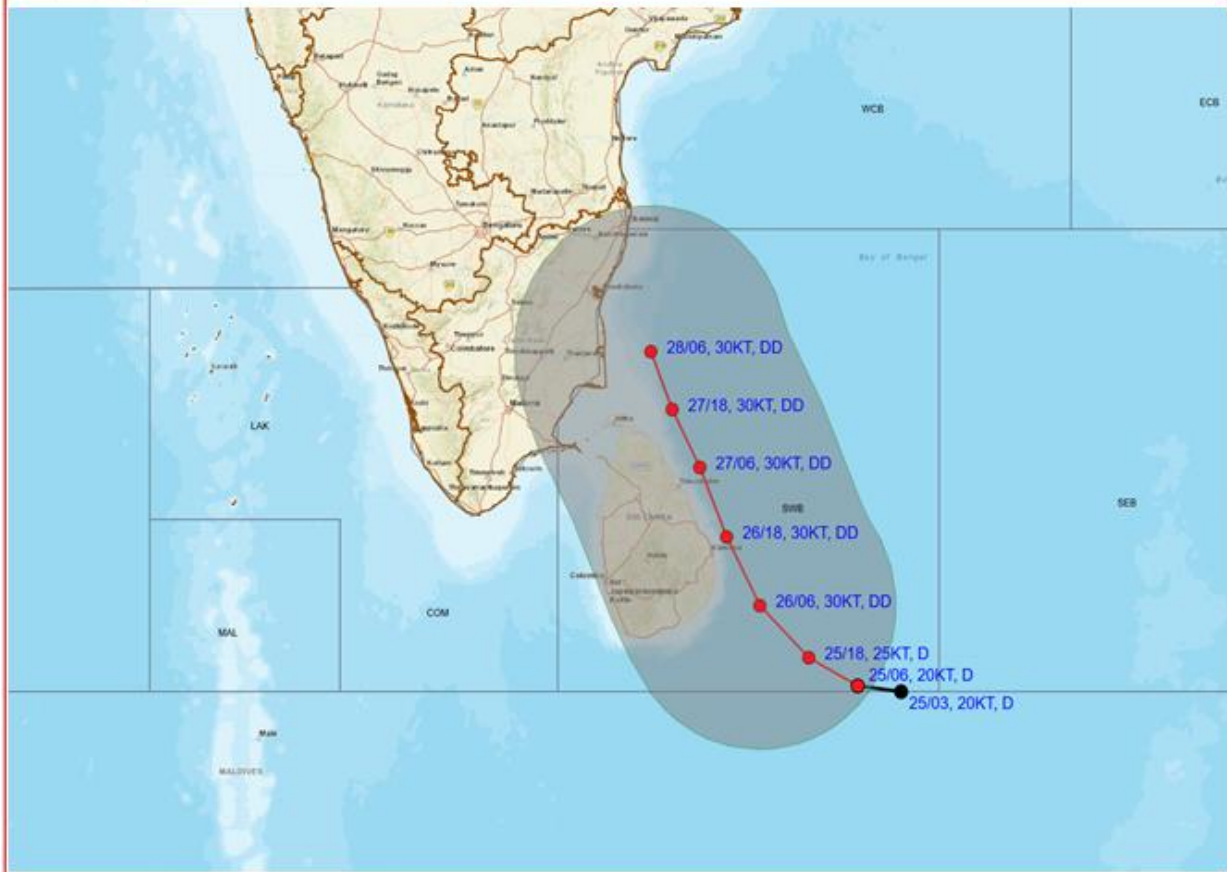
**DATE/TIME** : IN UTC  
**IST** : UTC + 0530  
**KT** : NAUTICAL MILE S/HOUR = 1.85 KM/HOUR  
**LPA** : LOW PRESSURE AREA  
**WML** : WELL MARKED LOW PRESSURE AREA  
**D** : DEPRESSION (17-27 KT)  
**DD** : DEEP DEPRESSION (28-33 KT)  
**CS** : CYCLONIC STORM (34-47 KT)  
**SCS** : SEVERE CYCLONIC STORM (48-63 KT)  
**VSCS** : VERY SEVERE CYCLONIC STORM (64-89 KT)  
**ESCS** : EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)  
**SuCS** : SUPER CYCLONIC STORM (≥120 KT)

LESS THAN 34 KT  
 34-47 KT  
 ≥ 48 KT  
 OBSERVED TRACK  
 FORECAST TRACK  
 CONE OF UNCERTAINTY

Forecast	DISTANCE (KM) AND DIRECTION FROM STATIONS				
Date and Time (UTC)	BATTICALOA	TRINCOMALEE	NAGAPPATTINAM	PUDUCHERRY	CHENNAI/MINAMBAKKAM
25.11.24/0600	420, SE	530, SE	810, SE	920, SE	1000, SSE
26.11.24/0600	170, SE	280, SE	560, SSE	680, SSE	770, SSE
27.11.24/0600	140, N	60, NE	280, SE	390, SSE	480, SSE
28.11.24/0600	380, NNW	270, NNW	100, E	160, SE	250, SSE



**OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL AND ADJOINING EAST EQUATORIAL INDIAN OCEAN BASED ON 0600 UTC (1.30 HRS. IST) OF 25<sup>TH</sup> NOVEMBER, 2024**



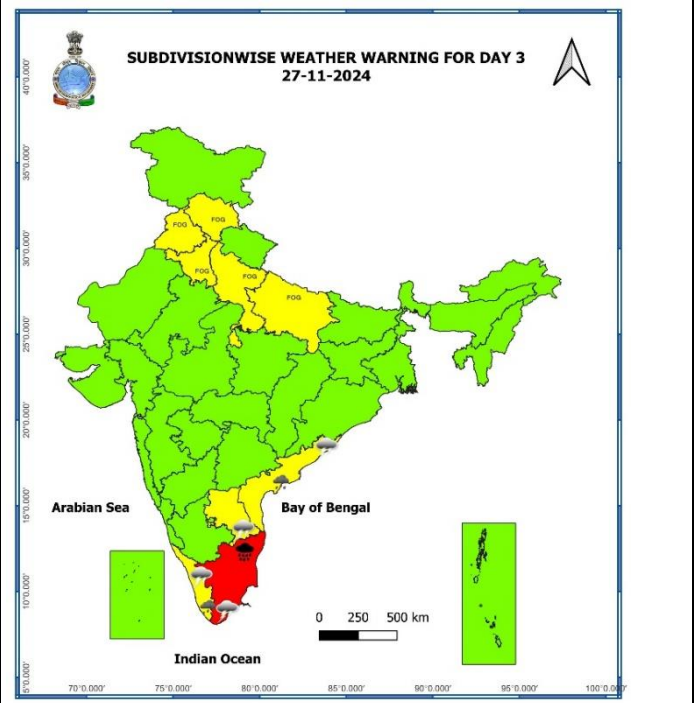
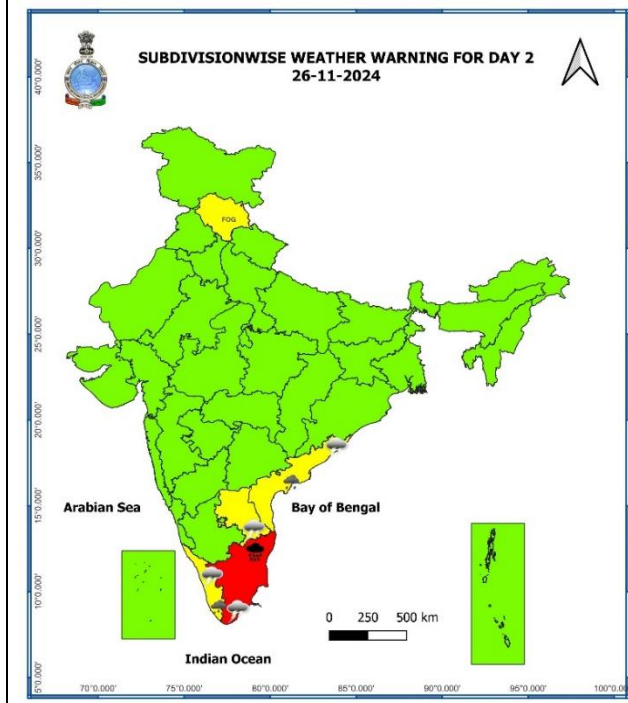
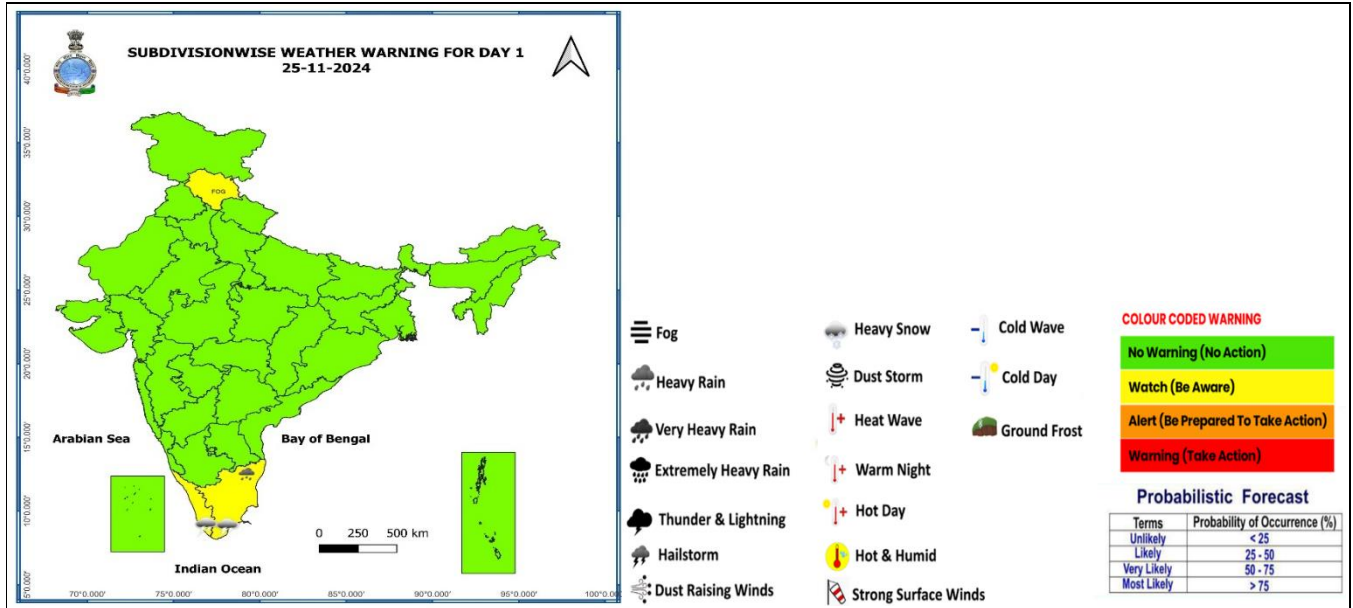
DATE/TIME : IN UTC  
 IST : UTC + 0530  
 KT : NAUTICAL MILE/HOUR = 1.85 KM/HOUR  
 LPA : LOW PRESSURE AREA  
 WML : WELL MARKED LOW PRESSURE AREA  
 D : DEPRESSION (17-27 KT)  
 DD : DEEP DEPRESSION (28-33 KT)  
 CS : CYCLONIC STORM (34-47 KT)  
 SCS : SEVERE CYCLONIC STORM (48-63 KT)  
 VSCS : VERY SEVERE CYCLONIC STORM (64-89 KT)  
 ESCS : EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)  
 SuCS : SUPER CYCLONIC STORM ( $\geq 120$  KT)

● LESS THAN 34 KT  
 ○ 34-47 KT  
 ○  $\geq 48$  KT  
 — OBSERVED TRACK  
 — FORECAST TRACK  
 — CONE OF UNCERTAINTY  
 AREA OF MAXIMUM SUSTAINED WIND SPEED:  
 ■ 28-33 KT (52-61 KMPH)  
 ■ 34-49 KT (62-91 KMPH)  
 ■ 50-63 KT (92-117 KMPH)  
 ■  $\geq 64$  KT ( $\geq 118$  KMPH)

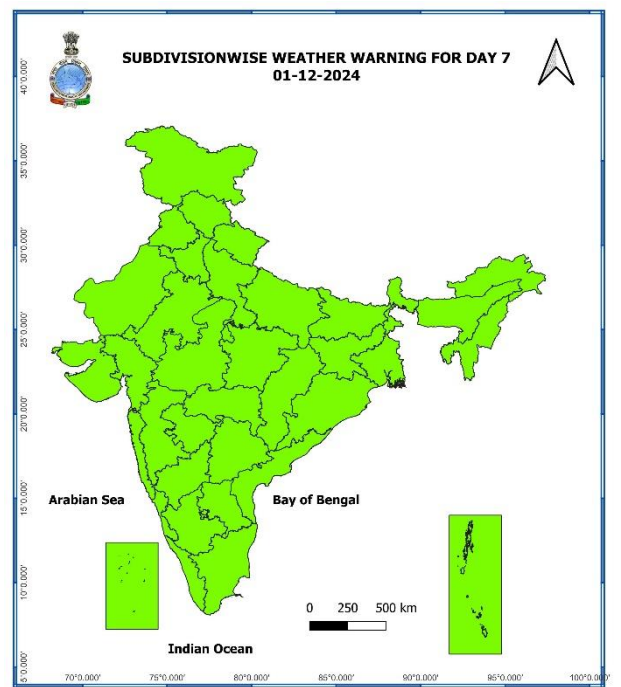
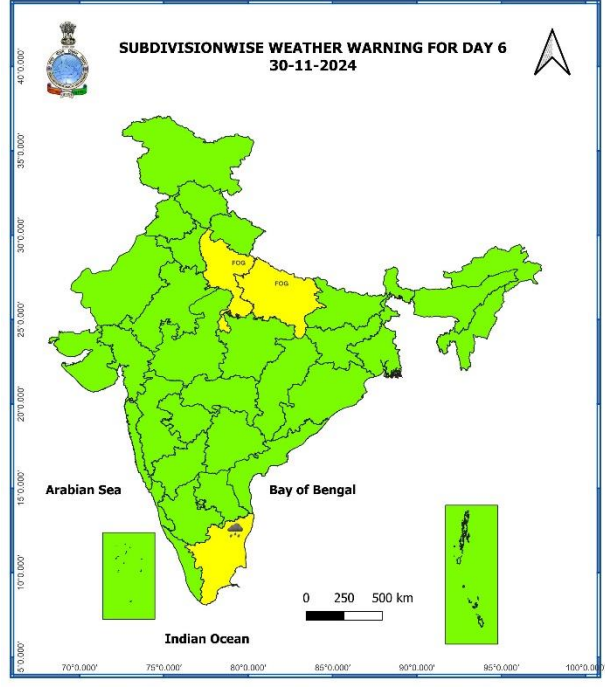
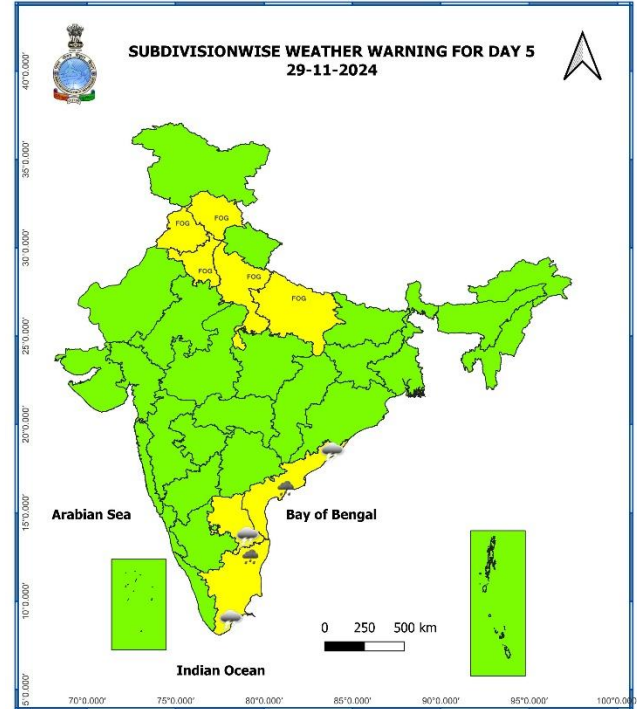
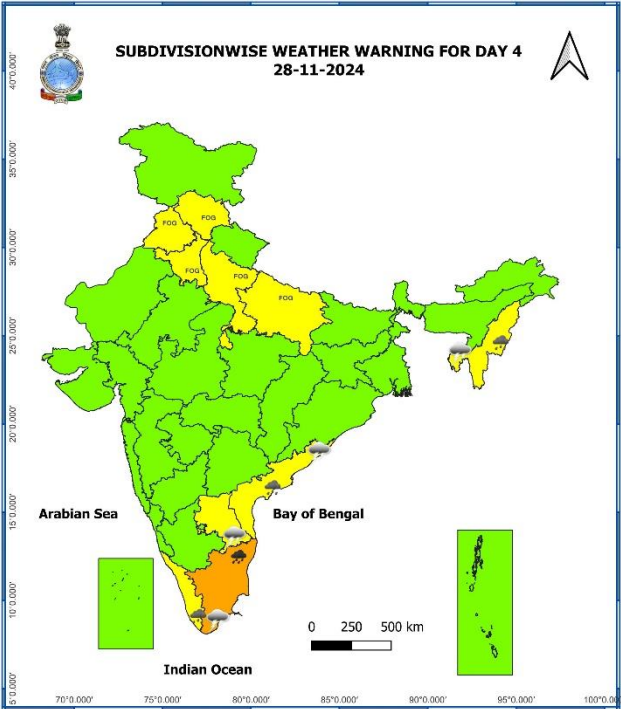
**IMPACT OVER THE SEA**

MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
$\geq 64$ ( $\geq 118$ )	Phenomenal	Total suspension of fishing operations

# Weather Warning Graphics

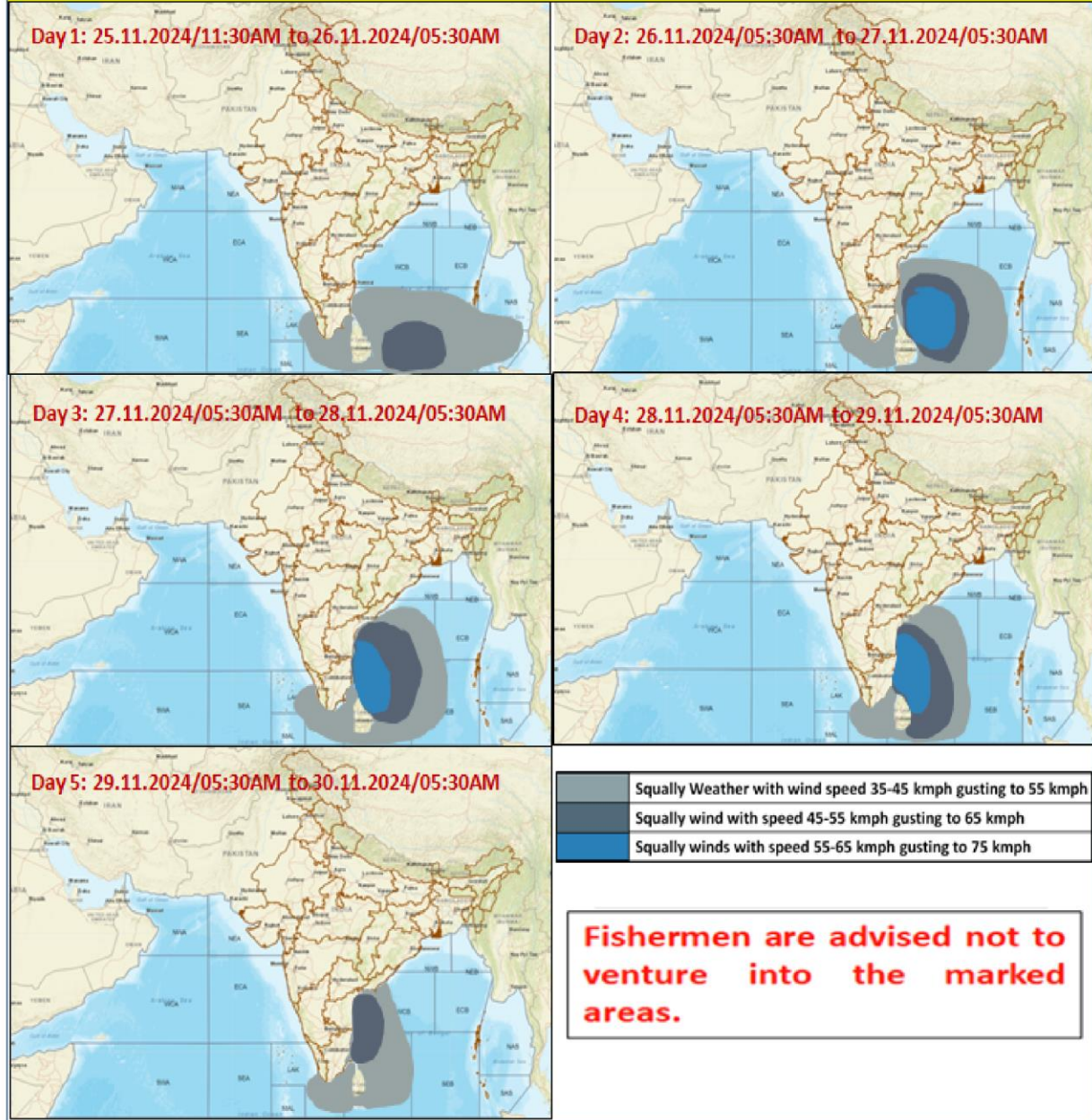








**Fishermen Warning Graphics**





### Fishermen Warning Graphics

