



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

**NATIONAL BULLETIN NO. 5 (BOB/07/2024)**

**TIME OF ISSUE: 0900 HOURS IST**

**DATED: 26.11.2024**

**FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)**

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**Sub: Depression over Southwest Bay of Bengal**

The Depression over Southwest Bay of Bengal and adjoining East Equatorial Indian Ocean moved north-northwestwards with a speed of 10 kmph during past 6 hours and lay centred at 0530 hours IST of today, the 26<sup>th</sup> November 2024 over the southwest Bay of Bengal near latitude 6.0°N and longitude 82.9°E, about 340 km south-southeast of Trincomalee, 630 km south-southeast of Nagapattinam, 750 km south-southeast of Puducherry and 830 km south-southeast of Chennai.

It is likely to move nearly north-northwestwards and intensify into a deep depression during next 12 hours. Thereafter, it is likely to continue 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>
26.11.24/0530	6.0/82.9	45-55 gusting to 65	Depression
26.11.24/1730	7.1/82.2	50-60 gusting to 70	Deep Depression
27.11.24/0530	8.2/81.8	50-60 gusting to 70	Deep Depression
27.11.24/1730	9.3/81.4	55-65 gusting to 75	Deep Depression
28.11.24/0530	10.2/81.0	55-65 gusting to 75	Deep Depression
28.11.24/1730	11.0/80.7	55-65 gusting to 75	Deep Depression
29.11.24/0530	11.8/80.5	55-65 gusting to 75	Deep Depression

## **Warnings:**

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

**Tamil Nadu & Puducherry:** 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 to very heavy rainfall at isolated places is likely on 28<sup>th</sup> and heavy rainfall at isolated places on 29<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 29<sup>th</sup> November.

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

- Squally wind speed reaching 45-55 kmph gusting to 65 kmph is prevailing over southwest Bay of Bengal & adjoining areas of EIO & southeast BoB and along & off Sri Lanka and Tamilnadu & Puducherry coasts. It is likely to increase becoming 50-60 kmph gusting to 70 kmph over southwest Bay of Bengal and along & off Sri Lanka, Tamilnadu & Puducherry coasts from evening of 26<sup>th</sup> November and 55-65 kmph gusting to 75 kmph over Southwest BoB & along & off Sri Lanka, Tamilnadu & Puducherry coasts from 27<sup>th</sup> morning till 29<sup>th</sup> morning.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely over adjoining areas of westcentral Bay of Bengal and along & off south Andhra Pradesh coasts from 27<sup>th</sup> November. It would increase gradually becoming 55-65 kmph gusting to 75 kmph over the same region during 28<sup>th</sup> to 29<sup>th</sup> November.

### **(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, Tamil Nadu – Puducherry coasts till 29<sup>th</sup> November and along & off south Andhra Pradesh coast during 27<sup>th</sup> to 29<sup>th</sup> November.

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

- Fishermen are advised not venture into
  - southwest Bay of Bengal and along & off Sri Lanka & Tamilnadu coasts till 29<sup>th</sup> November, 2024.
  - Adjoining areas of southeast Bay of Bengal & east Equatorial Indian Ocean on 26<sup>th</sup> November, 2024.
  - Adjoining areas of Westcentral Bay of Bengal and along & off south Andhra Pradesh coast during 27<sup>th</sup> to 29<sup>th</sup> November 2024.
- Fishermen out at sea are advised to return to coasts immediately.

### **(v) Impact Expected [over 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 are advised not venture into
  - southwest Bay of Bengal and along & off Sri Lanka & Tamilnadu coasts till 29<sup>th</sup> November, 2024.
  - Adjoining areas of southeast Bay of Bengal & east Equatorial Indian Ocean on 26<sup>th</sup> November, 2024.
  - Adjoining areas of Westcentral Bay of Bengal and along & off south Andhra Pradesh coast during 27<sup>th</sup> to 29<sup>th</sup> November 2024.
- Fishermen out at sea are advised to return to coasts immediately
- 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.

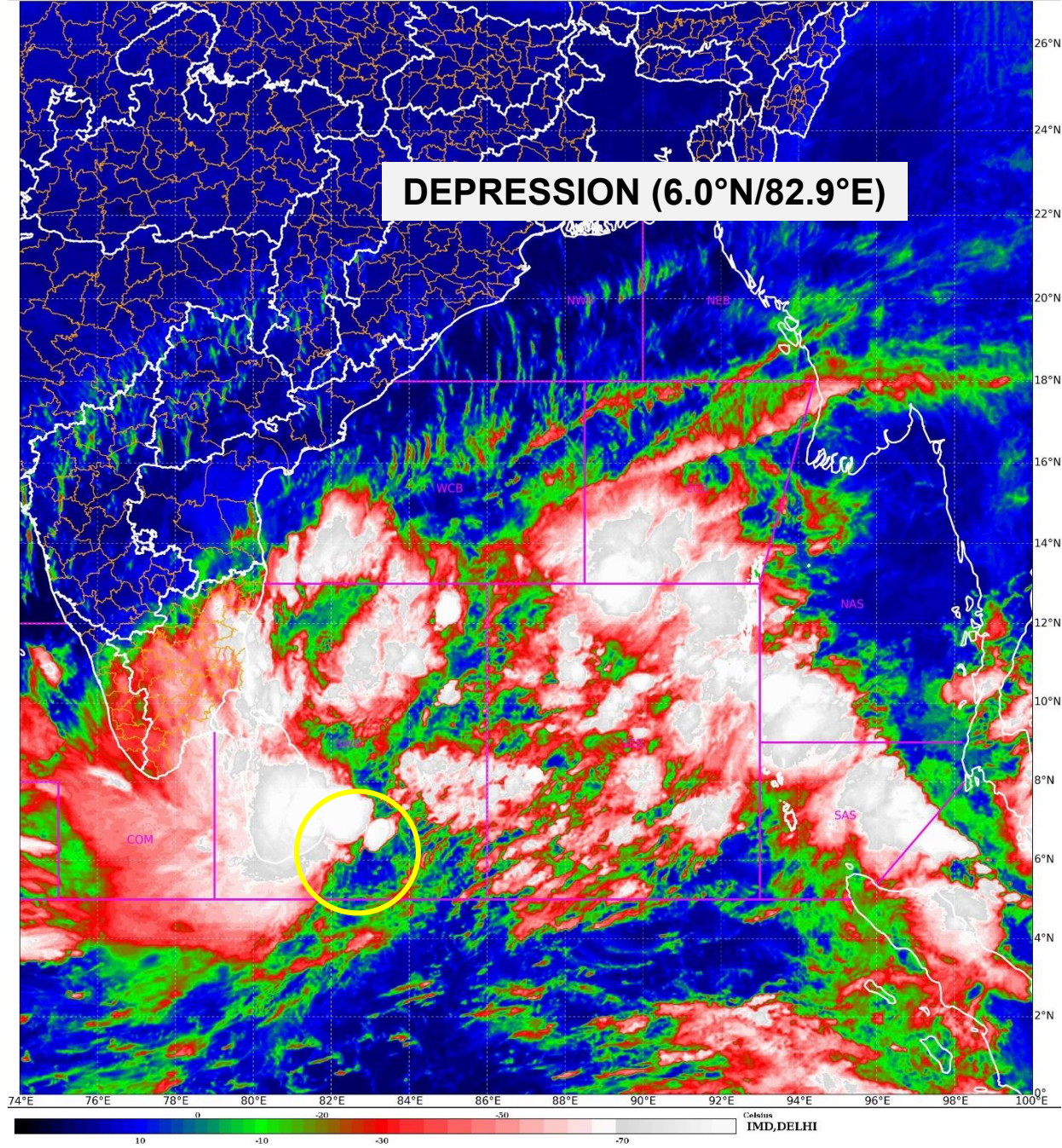
**(vii) Agromet advisories [over Tamil Nadu – Puducherry and Andhra Pradesh]**

- 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 1130 hours IST of today, the 26<sup>th</sup> November, 2024.**

**(Dr. D. R. Pattanaik)  
Scientist F, RSMC, New Delhi**

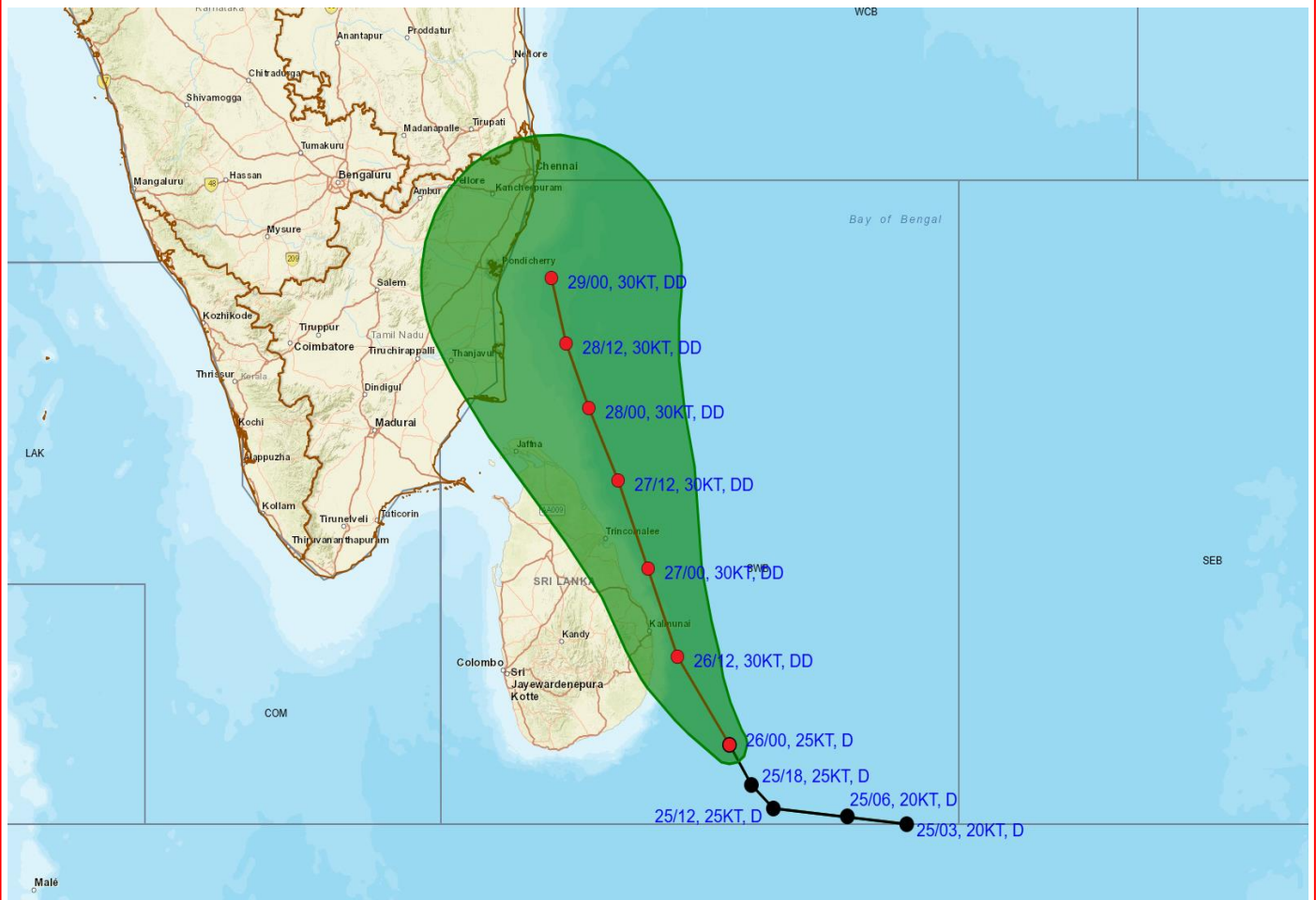
*Copy to: ACWC Kolkata/ACWC Chennai/CWC Bhubaneswar/MC, Amaravati/MC, Thiruvananthapuram/CWC, Vishakhapatnam*







**OBSERVED AND FORCAST TRACK ALONG WITH CONE OF UNCERTAINTY OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0000 UTC (0530 HRS. IST) OF 26<sup>TH</sup> NOVEMBER, 2024**



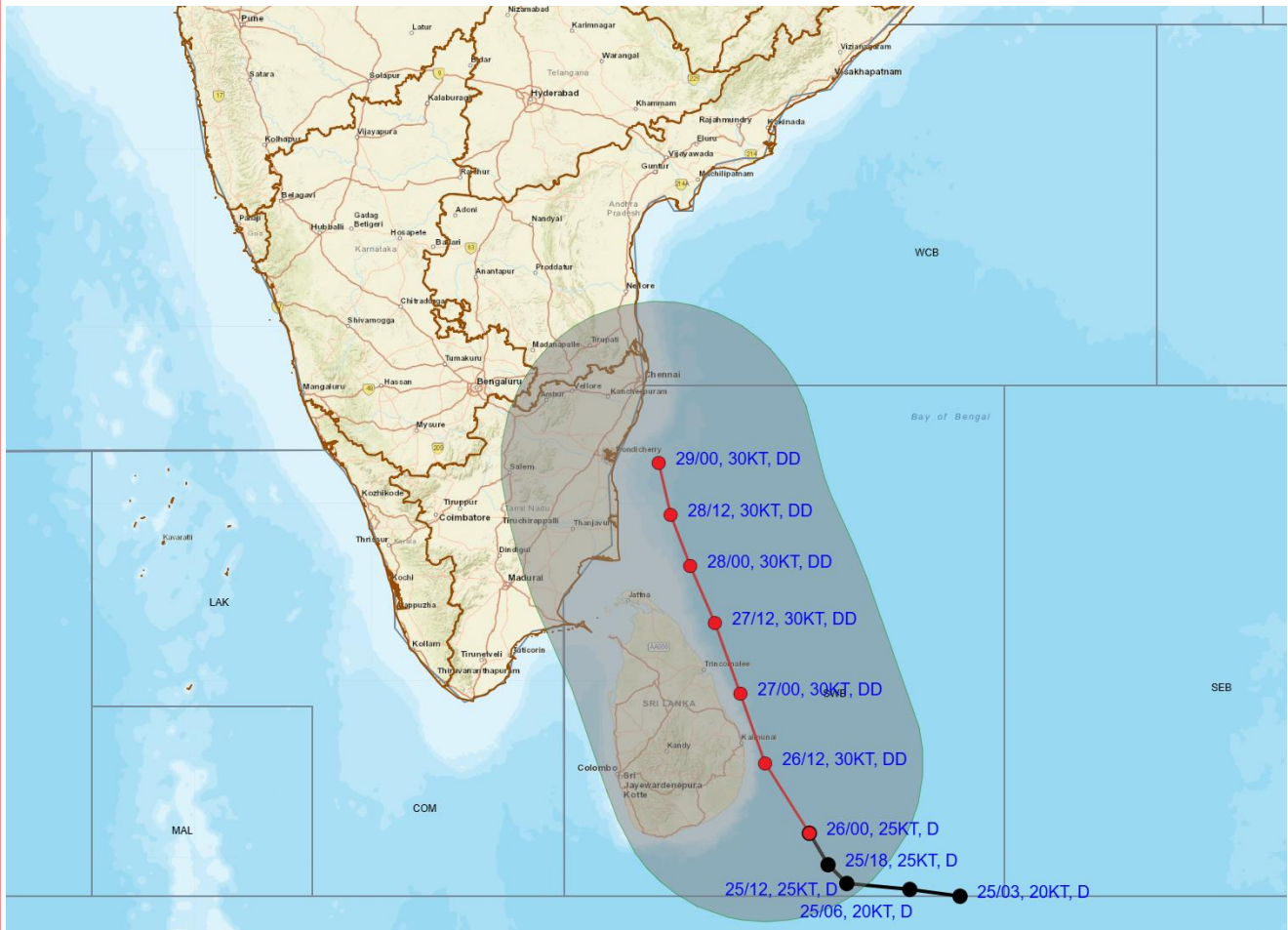
**DATE/TIME** : IN UTC  
**IST** : UTC + 0530  
**KT** : NAUTICAL MILE S/HOUR = 1.85 KM/HOUR  
**LPA** : LOW PRESSURE AREA  
**WML** : WELL MARKED LOW PRESSURE AREA  
**D** : DEPRESSION (17-27 KT)  
**DD** : DEEP DEPRESSION (28-33 KT)  
**CS** : CYCLONIC STORM (34-47 KT)  
**SCS** : SEVERE CYCLONIC STORM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

LESS THAN 34 KT  
 34-47 KT  
 $\geq 48$  KT  
 OBSERVED TRACK  
 FORECAST TRACK  
 CONE OF UNCERTAINTY

Forecast	DISTANCE (KM) AND DIRECTION FROM STATIONS				
	BATTICALOA	TRINCOMALEE	NAGAPPATTINAM	PUDUCHERRY	CHENNAI/MINAMBAKKAM
26.11.24/0000	230, SE	340, SSE	630, SSE	750, SSE	830, SSE
27.11.24/0000	60, NNE	80, SE	350, SE	470, SSE	560, SSE
28.11.24/0000	290, NNW	190, N	140, ESE	230, SSE	320, SSE
29.11.24/0000	480, NNW	370, NNW	140, NNE	80, ESE	140, SSE



**OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0000 UTC (0530 HRS. IST) OF 26<sup>TH</sup> NOVEMBER, 2024.**

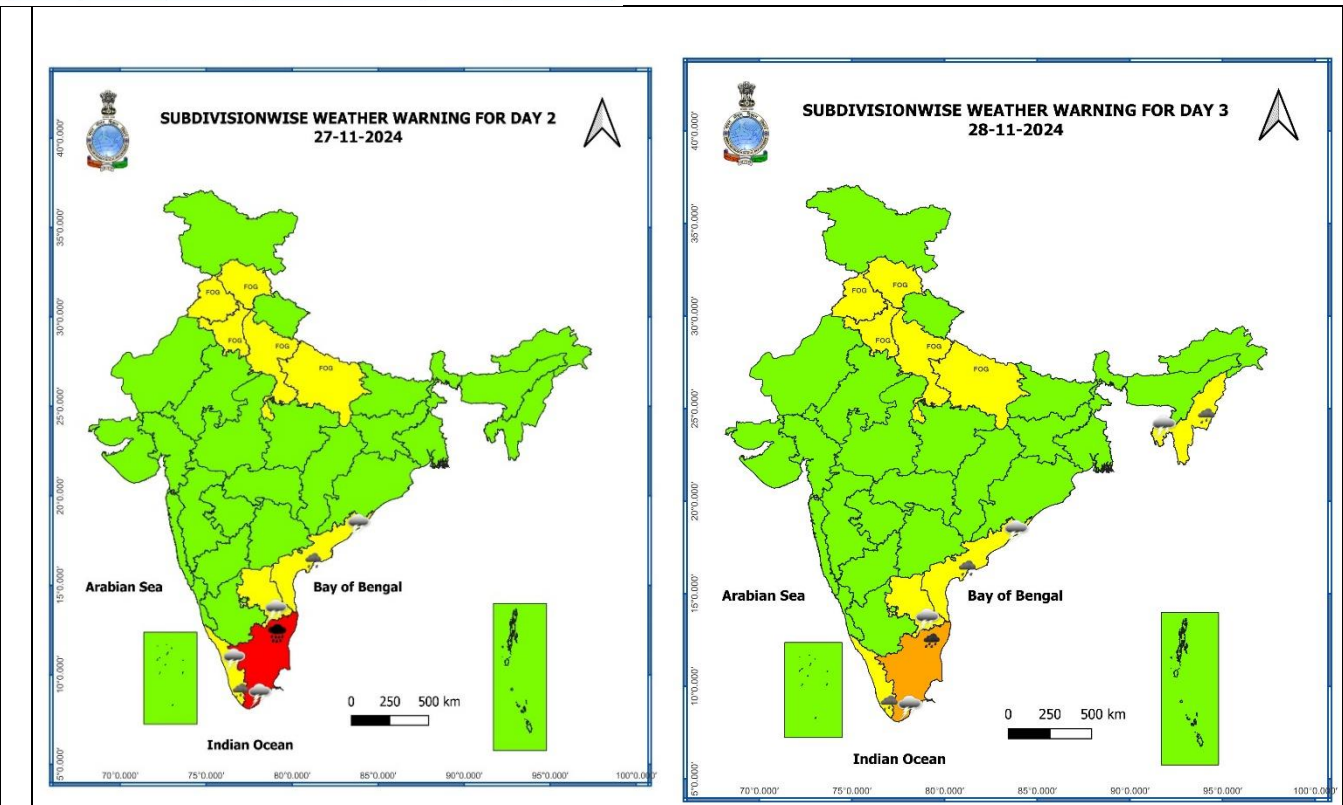
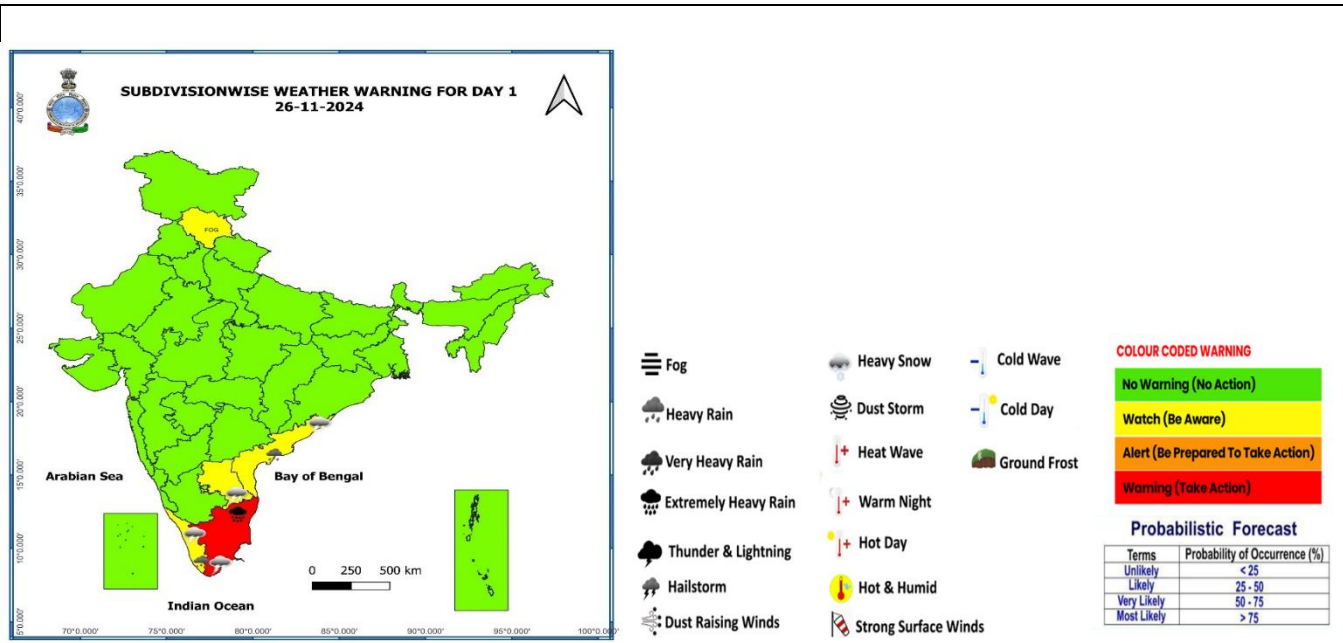


DATE/TIME : IN UTC  
 IST : UTC + 0530  
 KT : NAUTICAL MILE S/HOUR = 1.85 KM/HOUR  
 LPA : LOW PRESSURE AREA  
 WML : WELL MARKED LOW PRESSURE AREA  
 D : DEPRESSION (17-27 KT)  
 DD : DEEP DEPRESSION (28-33 KT)  
 CS : CYCLONIC STORM (34-47 KT)  
 SCS : SEVERE CYCLONIC STORM (48-63 KT)  
 VSCS : VERY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

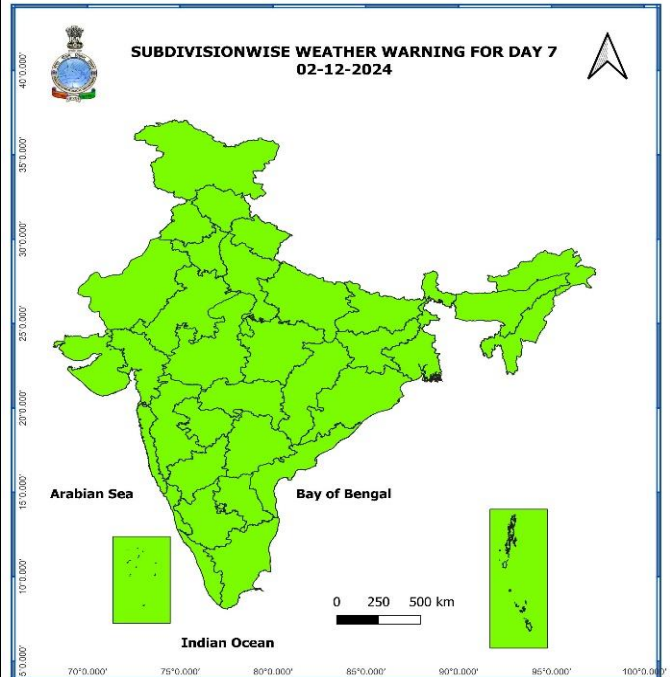
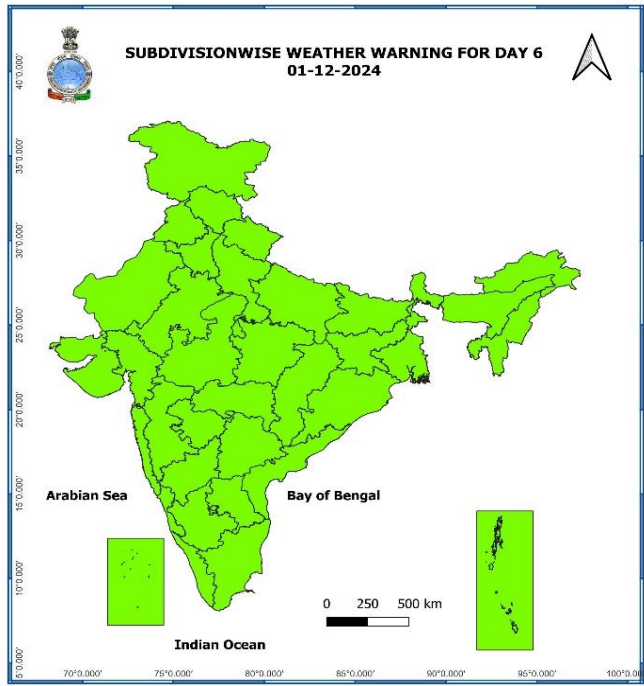
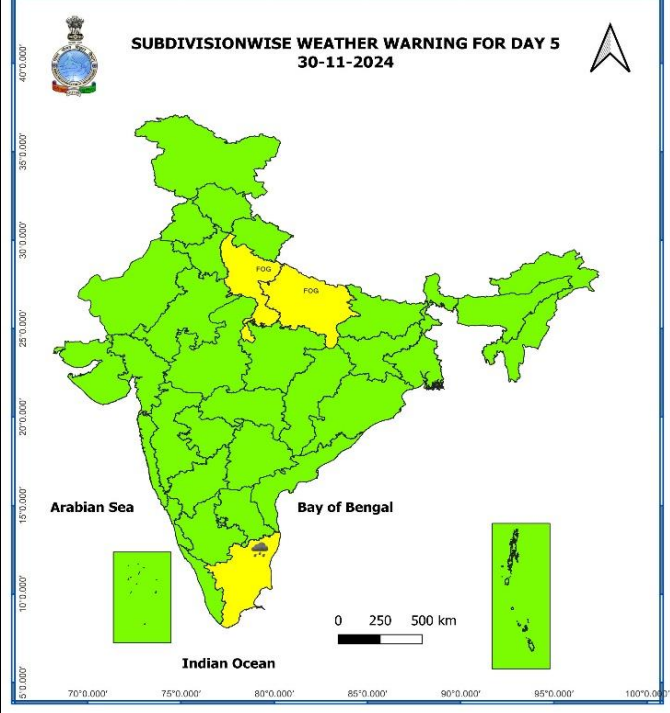
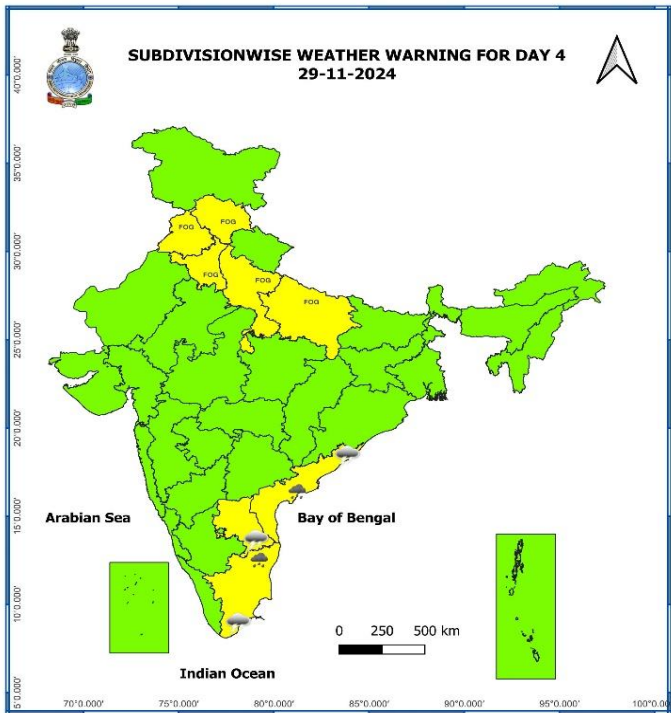
● LESS THAN 34 KT  
 ● 34-47 KT  
 ●  $\geq 48$  KT  
 — OBSERVED TRACK  
 — FORECAST TRACK  
 — CONE OF UNCERTAINTY  
**AREA OF MAXIMUM SUSTAINED WIND SPEED:**  
 ■ 28-33 KT (52-61 KMPH)  
 ■ 34-49 KT (62-91 KMPH)  
 ■ 50-63 KT (92-117 KMPH)  
 ■  $\geq 64$  KT ( $\geq 118$  KMPH)

**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

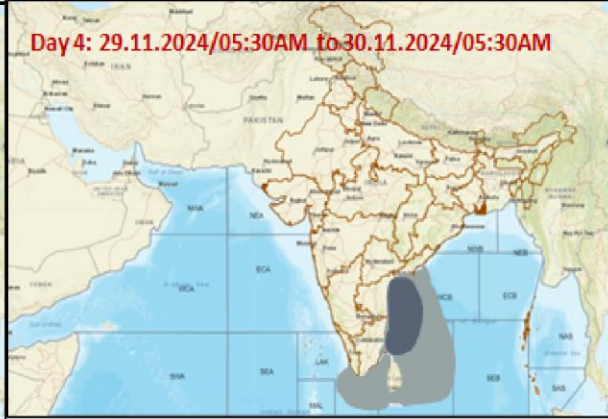
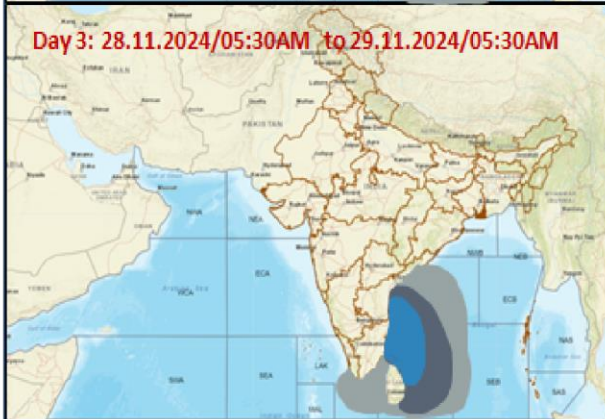
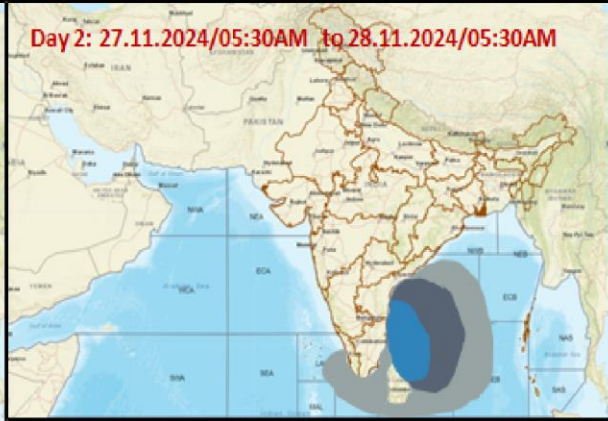
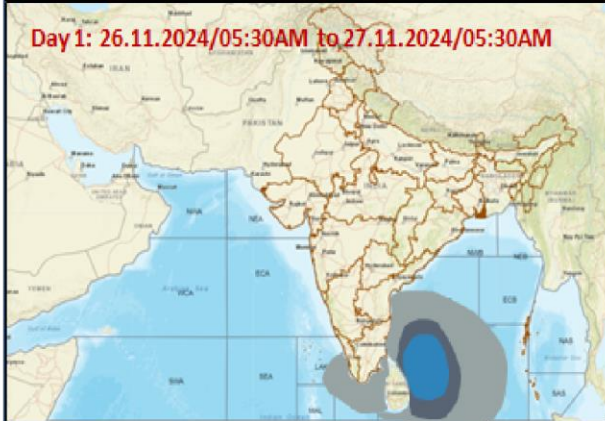








**Fishermen Warning Graphics**



Squally Weather with wind speed 35-45 kmph gusting to 55 kmph
Squally wind with speed 45-55 kmph gusting to 65 kmph
Squally winds with speed 55-65 kmph gusting to 75 kmph

**Fishermen are advised not to venture into the marked areas.**