



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

NATIONAL BULLETIN NO. 1 (BOB/07/2024)

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

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Sub: Depression over central parts of South Bay of Bengal and adjoining East Equatorial Indian Ocean

Yesterday's well marked low pressure area over southeast Bay of Bengal and adjoining East Equatorial Indian Ocean moved west-northwestwards, intensified into a depression and lay centred at 0830 hours IST of today, the 25th November 2024 over central parts of south Bay of Bengal and adjoining East Equatorial Indian Ocean near latitude 5.0°N and longitude 85.3°E, about 600 km southeast of Trincomalee, 880 km southeast of Nagappattinam, 980 km southeast of Puducherry and 1050 km south-southeast of Chennai.

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

Forecast track and intensity are given in the following table:

Date/ Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
25.11.24/0830	5.0/85.3	40-50 gusting to 60	Depression
25.11.24/1730	5.7/84.3	45-55 gusting to 65	Depression
26.11.24/0530	6.8/83.5	50-60 gusting to 70	Deep Depression
26.11.24/1730	7.9/82.8	50-60 gusting to 70	Deep Depression
27.11.24/0530	8.9/82.1	55-65 gusting to 75	Deep Depression
27.11.24/1730	9.8/81.5	55-65 gusting to 75	Deep Depression
28.11.24/0530	10.8/80.9	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 25th, heavy to very heavy rainfall at a few places with extremely heavy rainfall at isolated places over Tamil Nadu & Puducherry on 26th & 27th and heavy rainfall at isolated places is likely on 28th November.

South Coastal Andhra Pradesh: Light to moderate rainfall at many places with heavy rainfall at isolated places is likely during 26th to 28th 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 26th and likely to increase becoming 55-65 kmph gusting to 75 kmph during 27th to 29th 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 29th November and along & off south Andhra Pradesh coast during 26th to 29th November.

(iv) Fisherman warning:

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

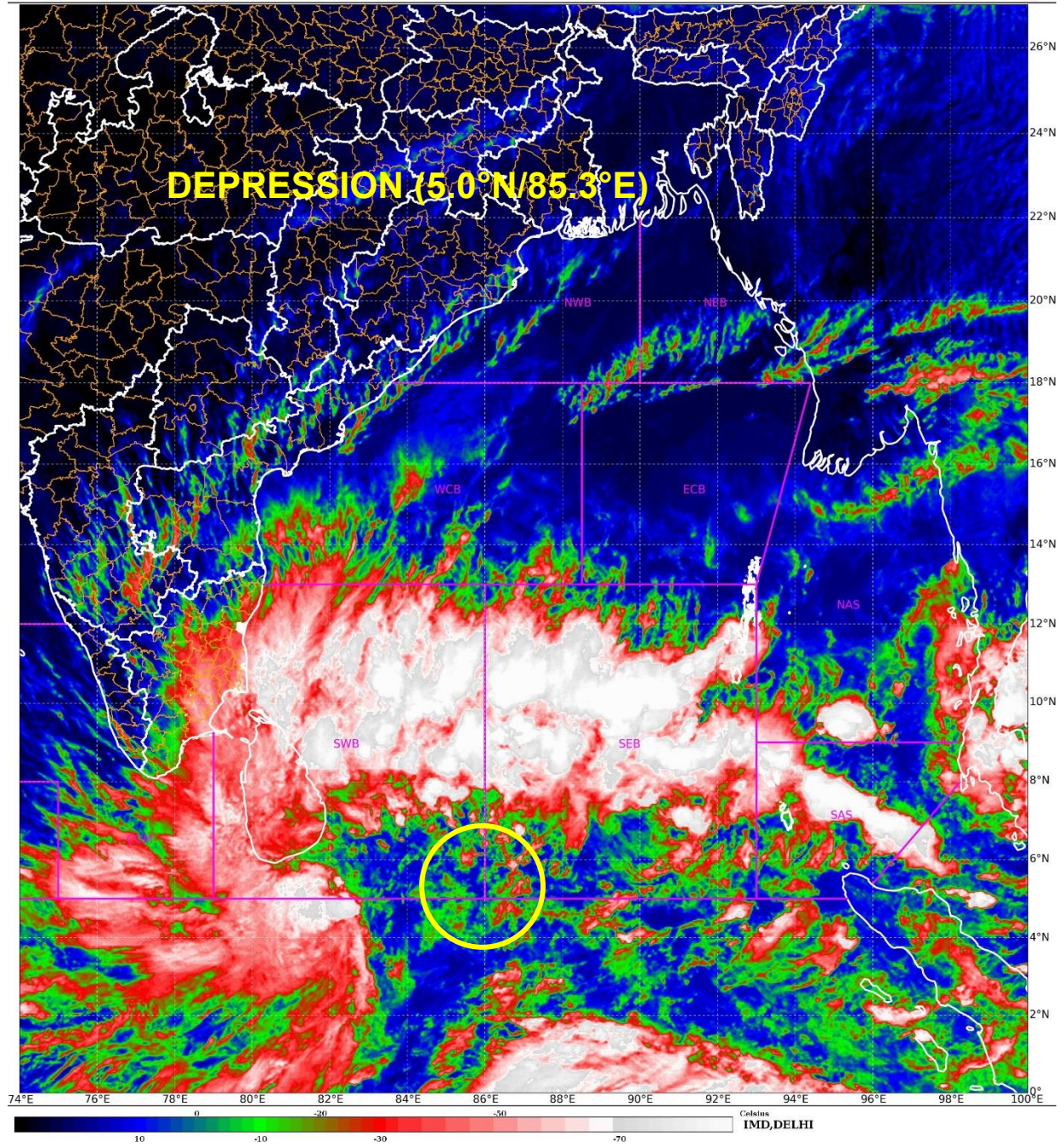
(vii) Agromet advisories [over coastal areas of Tamil Nadu – Puducherry and Andhra Pradesh]

- 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 1430 hours IST of today, the 25th November, 2024.

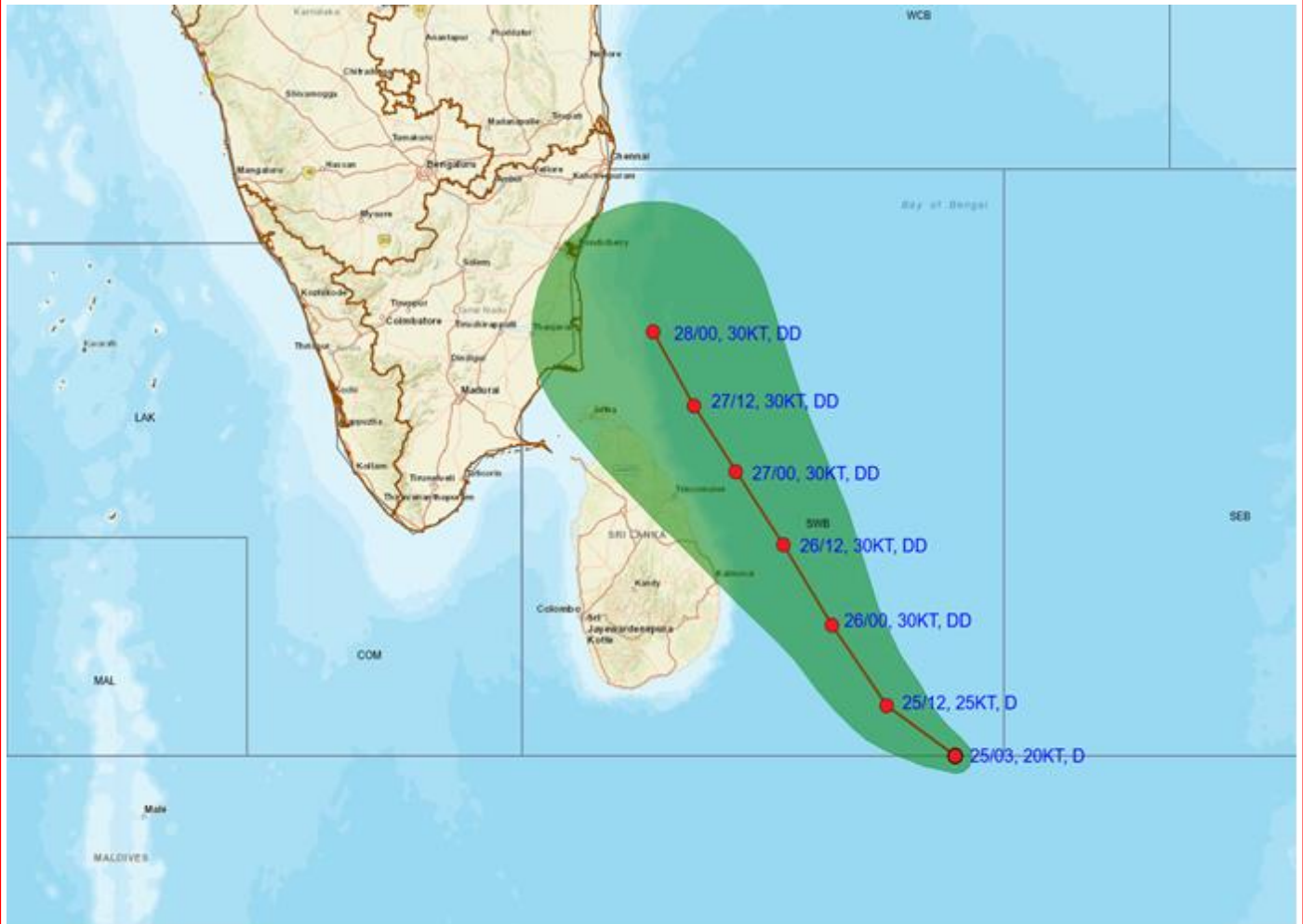
**(Dr. Ananda Kumar Das)
Scientist F, Cyclone Warning, New Delhi**

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





OBSERVED TRACK ALONG WITH CONE OF UNCERTAINTY OF DEPRESSION OVER CENTRAL PARTS OF SOUTHEAST BAY OF BENGAL AND ADJOINING EAST EQUATORIAL INDIAN OCEAN BASED ON 0300 UTC (0830 HRS. IST) OF 25TH NOVEMBER, 2024



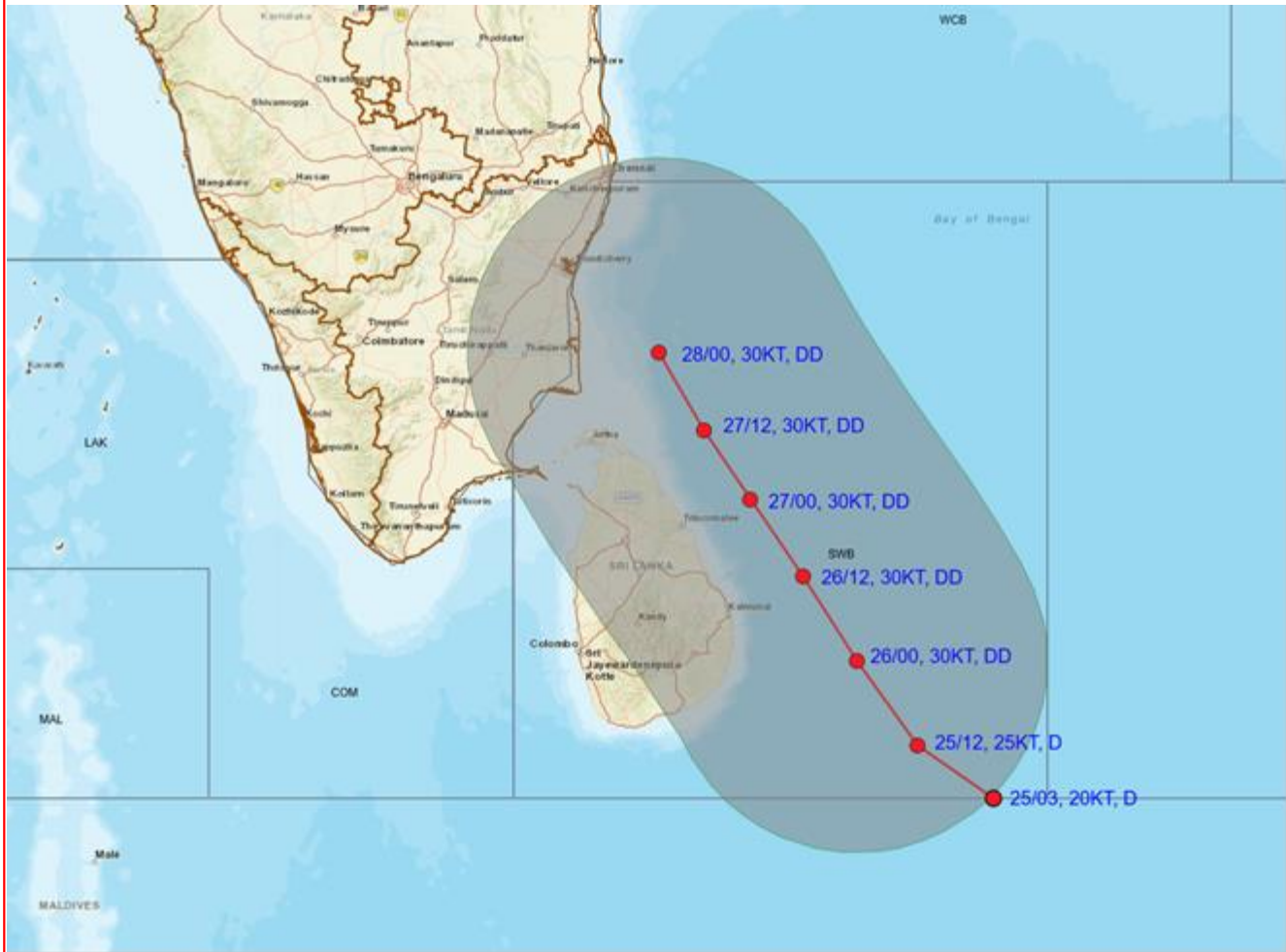
DATE/TIME : IN UTC
 IST : UTC + 0530
 KT : NAUTICAL MILE S/HOUR = 1.85 KM/HOUR
 LPA : LOW PRESSURE AREA
 WML : WELL MARKED LOW PRESSURE AREA
 D : DEPRESSION (17-27 KT)
 DD : DEEP DEPRESSION (28-33 KT)
 CS : CYCLONIC STORM (34-47 KT)
 SCS : SEVERE CYCLONIC STORM (48-63 KT)
 VSCS : VERY SEVERE CYCLONIC 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
	25.11.24/0300	500, SE	590, SE	870, SE	980, SE	1050, SSE
	26.11.24/0000	230, ESE	320, SE	600, SE	700, SE	780, SSE
	27.11.24/0000	160, NNE	120, ENE	320, SE	420, SE	490, SSE
	28.11.24/0000	350, N	250, N	150, E	200, SE	270, SSE



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEPRESSION OVER CENTRAL PARTS OF SOUTHEAST BAY OF BENGAL AND ADJOINING EAST EQUATORIAL INDIAN OCEAN BASED ON 0300 UTC (0830 HRS. IST) OF 25TH NOVEMBER, 2024

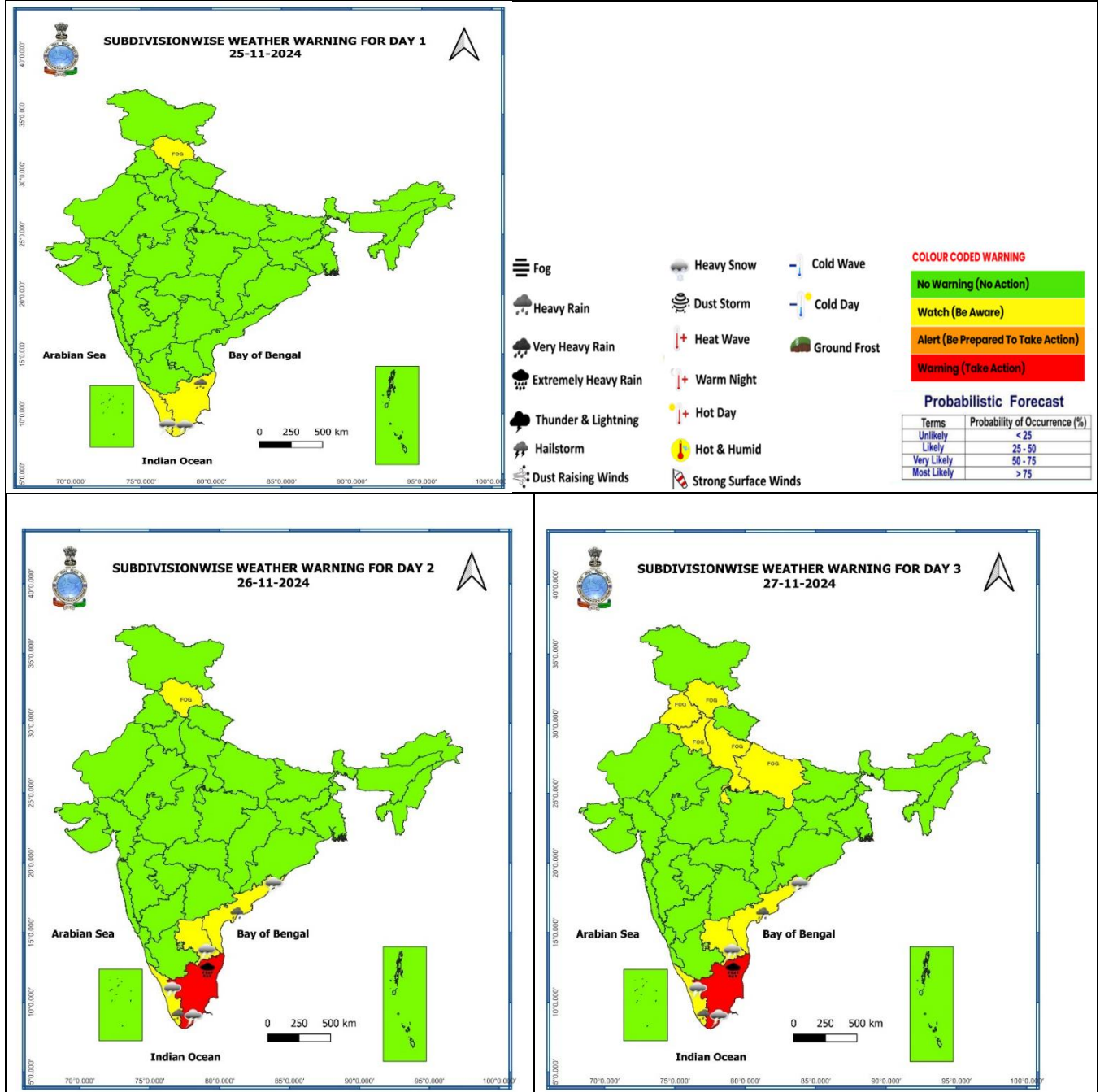


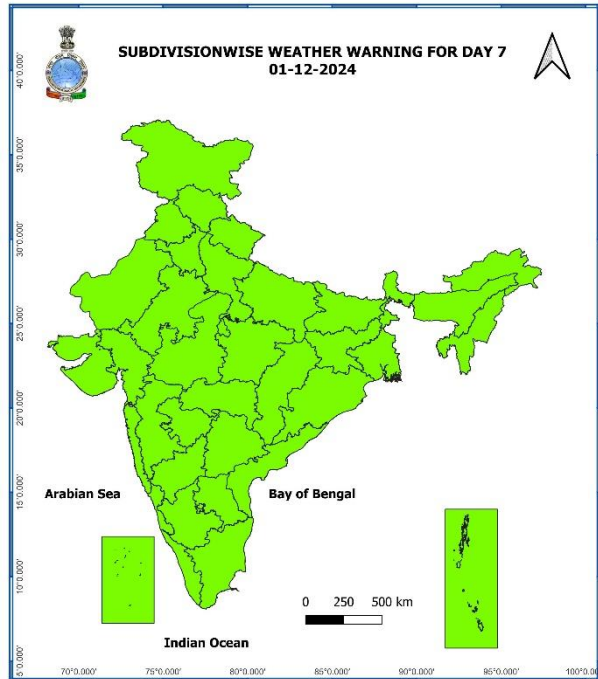
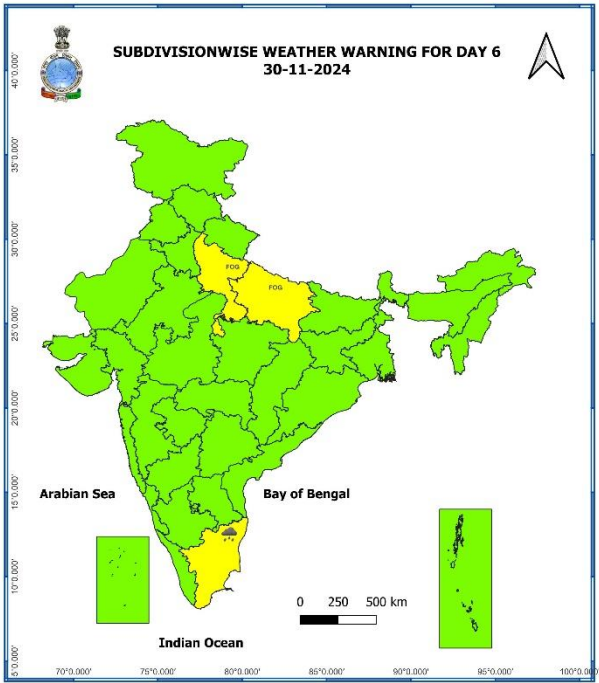
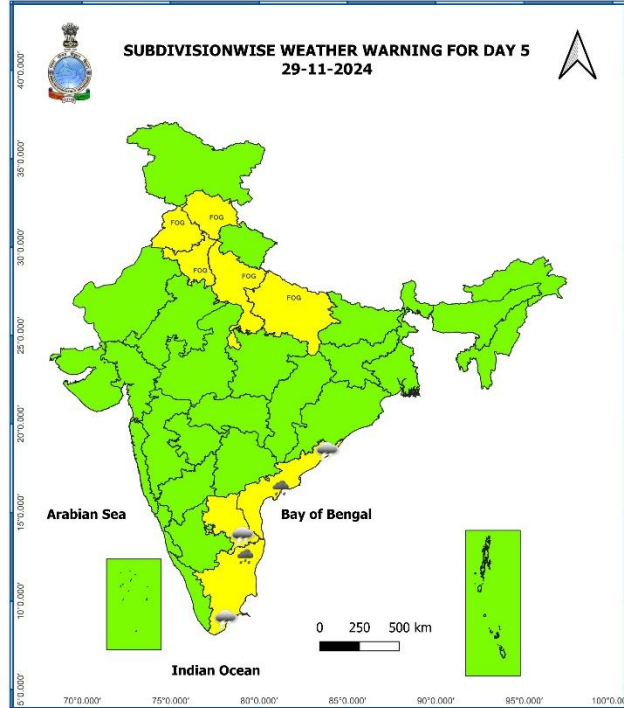
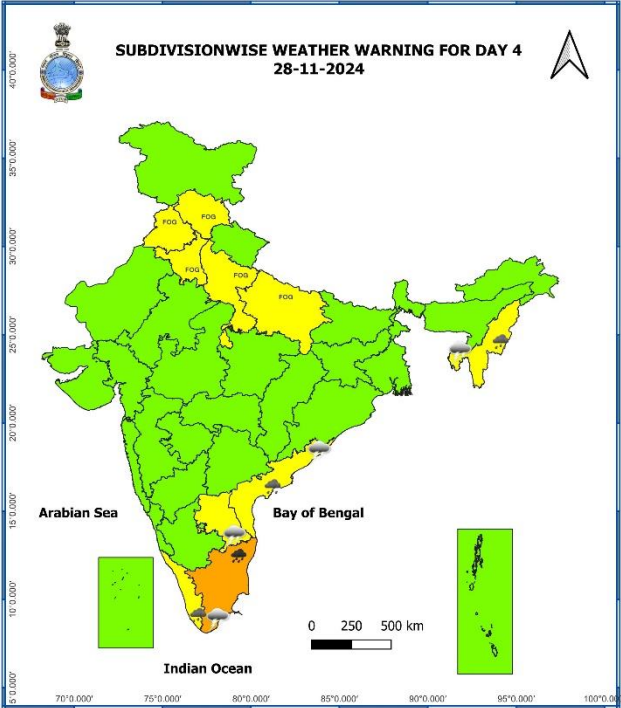
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 IST : UTC + 0530
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 WML : WELL MARKED LOW PRESSURE AREA
 D : DEPRESSION (17-27KT)
 DD : DEEP DEPRESSION (28-33 KT)
 CS : CYCLONIC STORM (34-47 KT)
 SCS : SEVERE CYCLONIC STORM (48-63 KT)
 VSCS : VERY 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
AREA OF MAXIMUM SUSTAINED WIND SPEED:
 ■ 28-33 KT (52-61 KMPH)
 ■ 34-49 KT (62-91 KMPH)
 ■ 50-63 KT (92-117 KMPH)
 ■ ≥ 64 KT (≥118 KMPH)

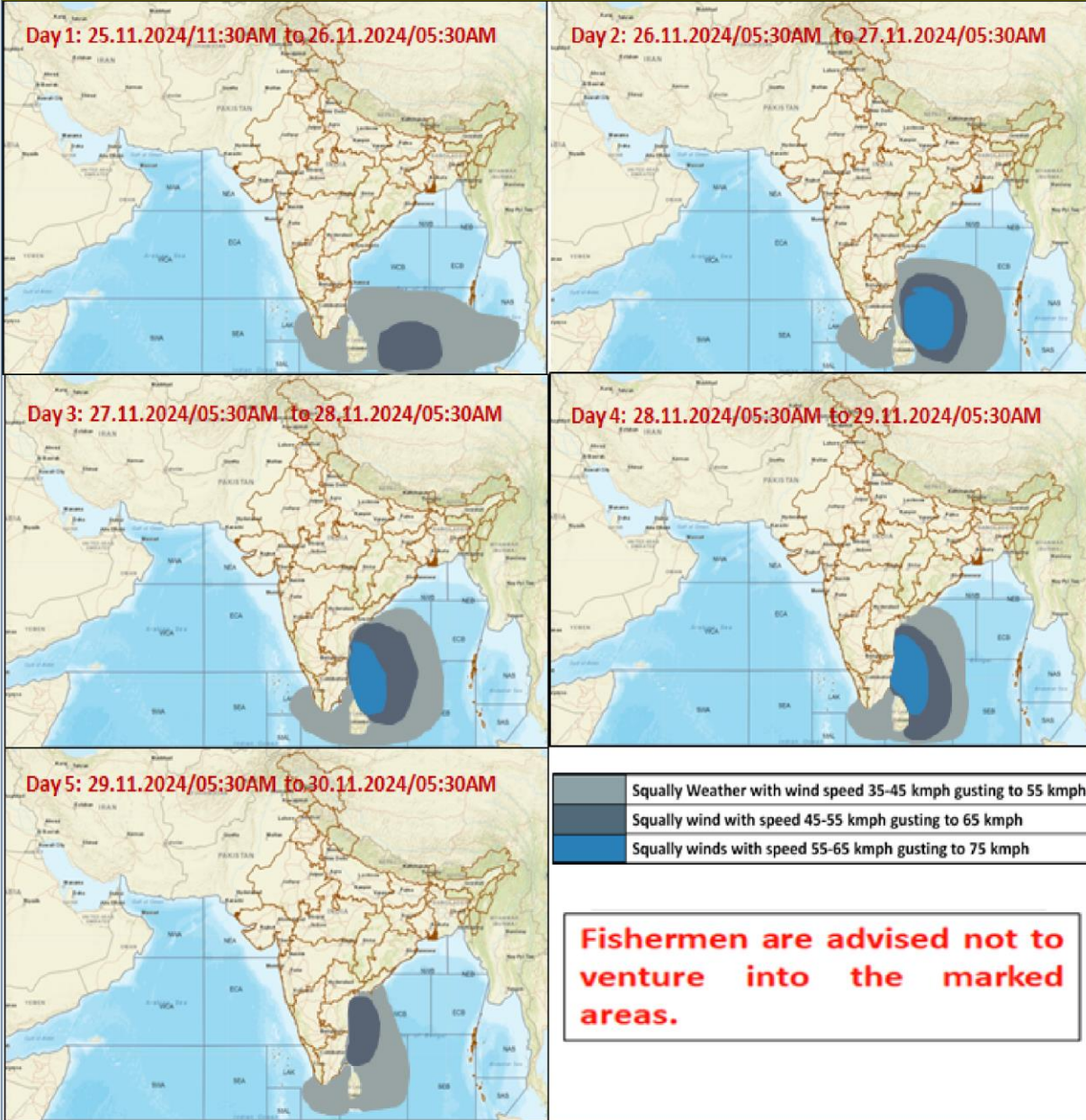
IMPACT OVER THE SEA		
MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
≥ 64 (≥118)	Phenomenal	Total suspension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

Weather Warning Graphics





Fishermen Warning Graphics



Fishermen Warning Graphics

