



Government of India
Ministry of Earth Sciences



India Meteorological Department

PRESS RELEASE-2

Time of issue: 1300 hours IST

Dated: 25th November, 2024

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.

Contact: Cyclone Warning Division, Office of the Director General of Meteorology, India Meteorological Department, Ministry of Earth Sciences, E-mail: cyclonewarningdivision@gmail.com, Website: rsmcnewdelhi.imd.gov.in, Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%, Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.

(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

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- 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.

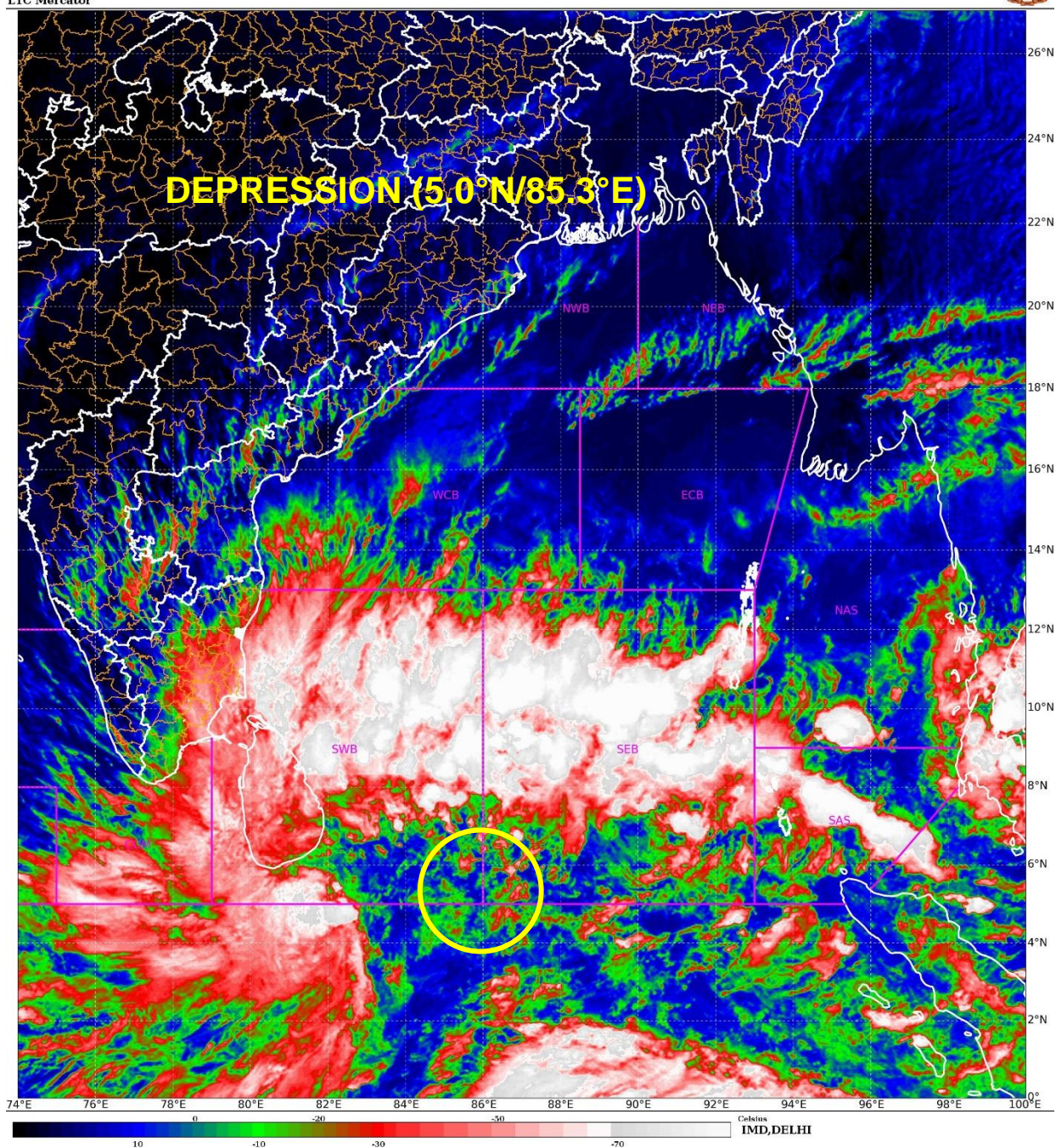
All associated graphics have been kept in Annexure-I.

Next Press Release will be issued at 1430 hours IST of tomorrow, the 26th November, 2024.

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LIC Mercator

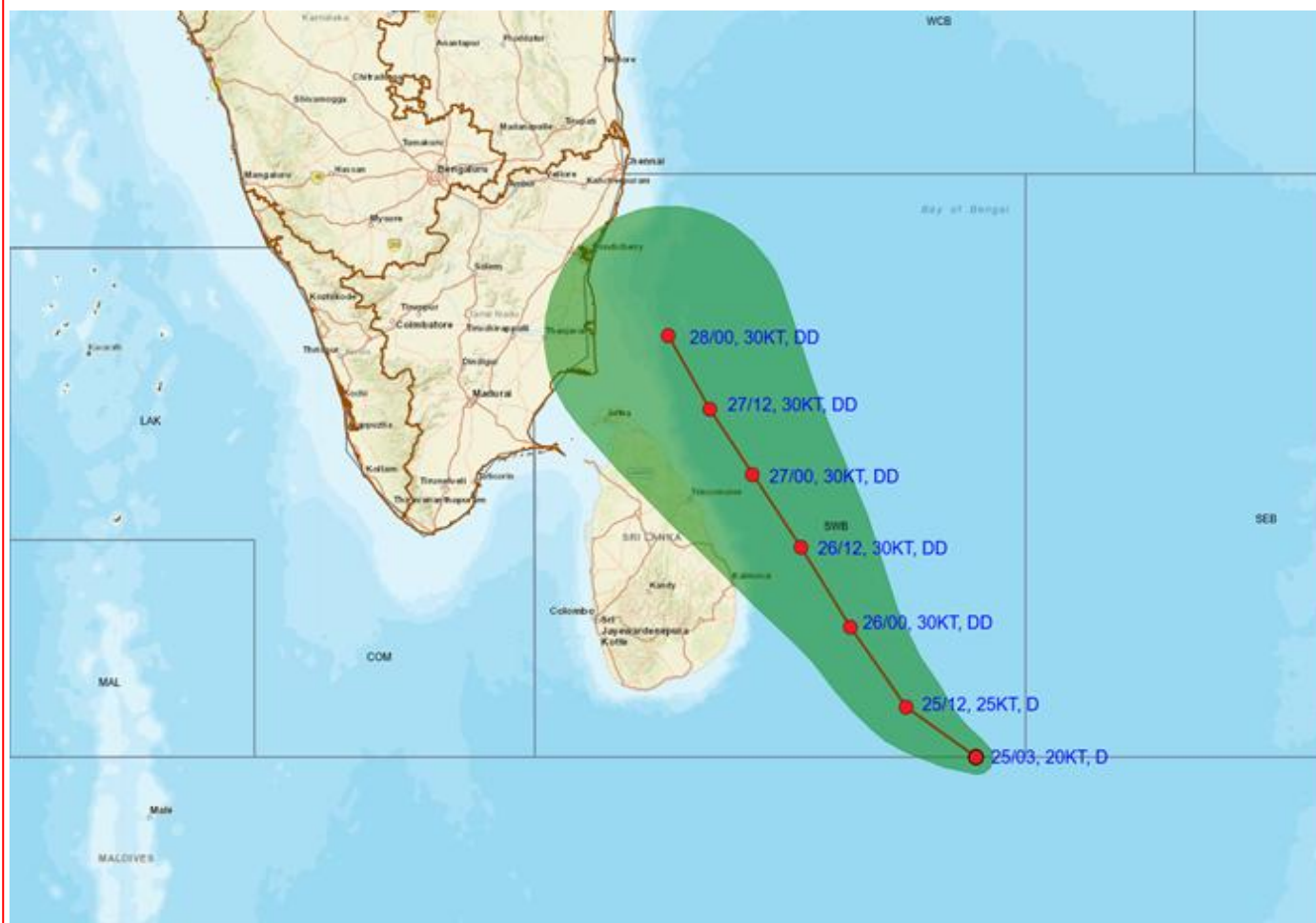
25-11-2024/(0545 to 0612) GMT
25-11-2024/(1115 to 1142) IST



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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 MILES/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)
ECS : EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
SuCS : SUPER CYCLONIC STORM (≥ 120 KT)

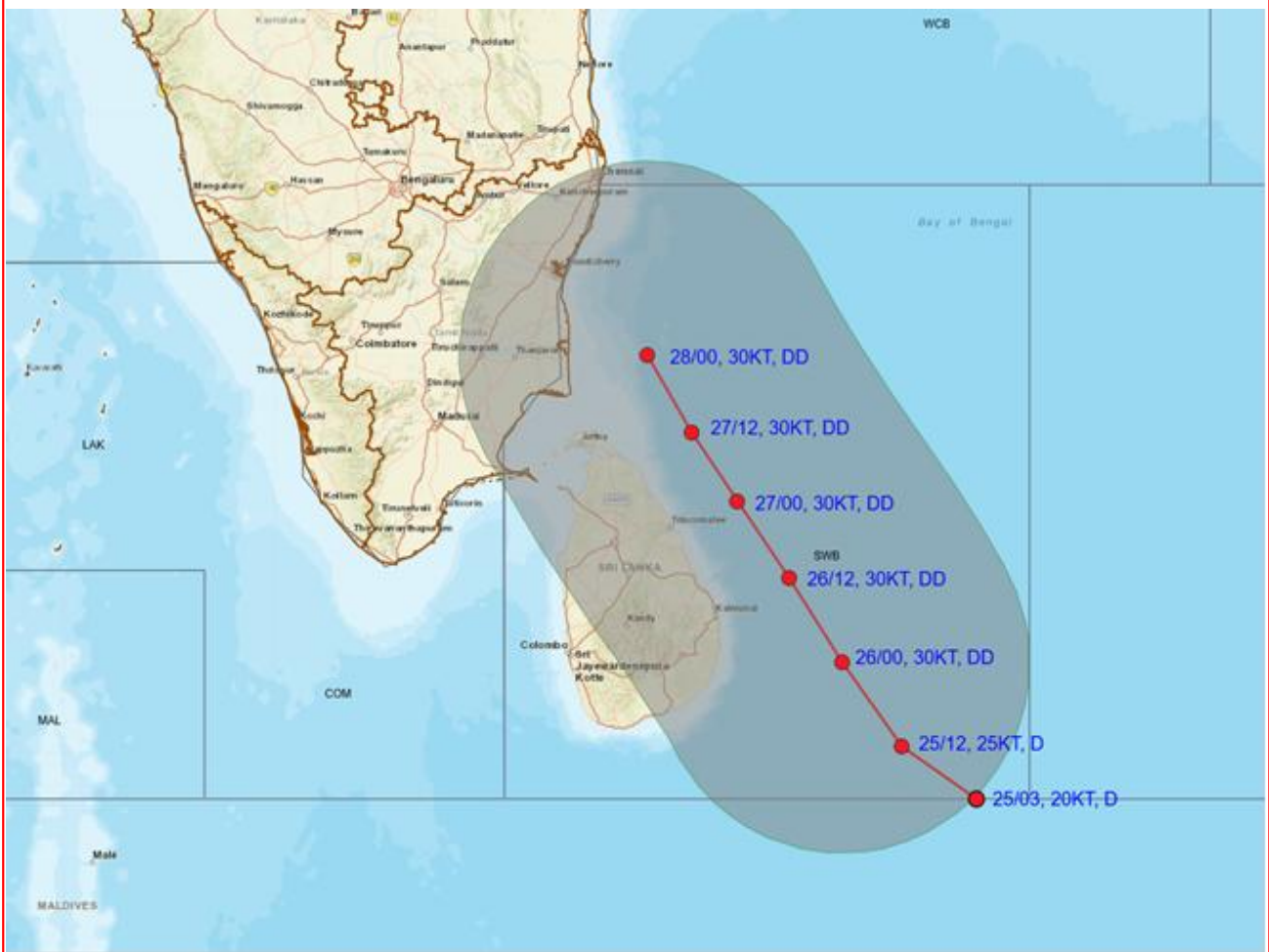
● LESS THAN 34 KT
● 34-47 KT
● ≥ 48 KT
— OBSERVED TRACK
— FORECAST TRACK
▲ CONE OF UNCERTAINTY

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

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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



DATE/TIME : IN UTC
 IST : UTC + 0530
 KT : NAUTICAL MILE S/HOUR = 1.85 KM/HOUR
 LPA : LOW PRESSURE AREA
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 SuCS : SUPER CYCLONIC STORM (≥ 120 KT)

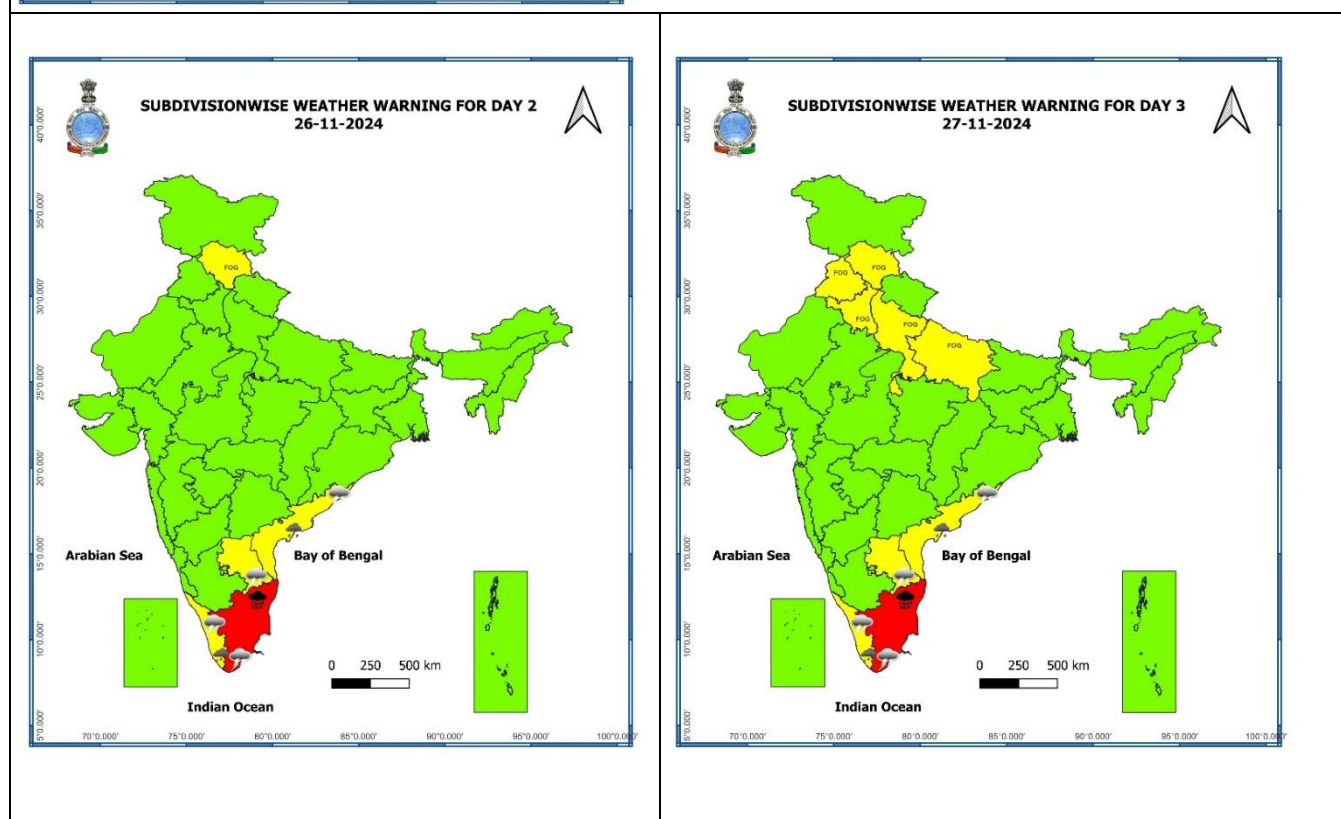
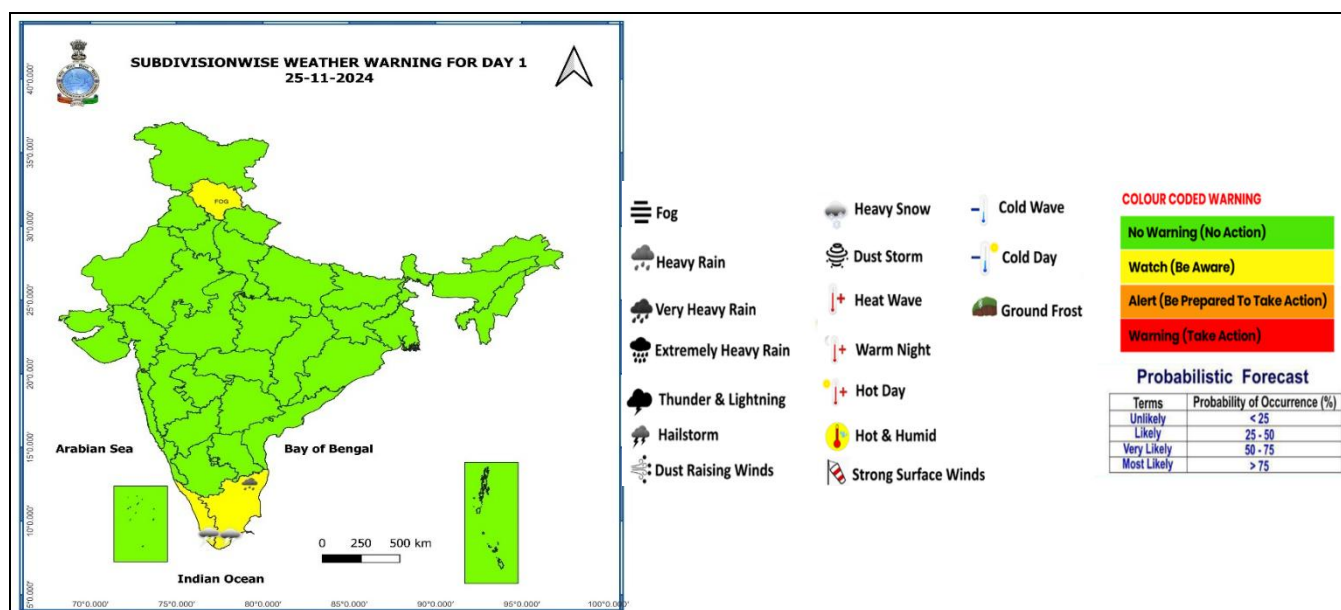
● LESS THAN 34 KT
 ● 34-47 KT
 ● ≥ 48 KT
 — OBSERVED TRACK
 — FORECAST TRACK
 — CONE OF UNCERTAINTY
 AREA OF MAXIMUM SUSTAINED WIND SPEED:
 — 28-33 KT (52-61 KMPH)
 — 34-49 KT (62-91 KMPH)
 — 50-63 KT (92-117 KMPH)
 — ≥ 64 KT (≥ 118 KMPH)

IMPACT OVER THE SEA

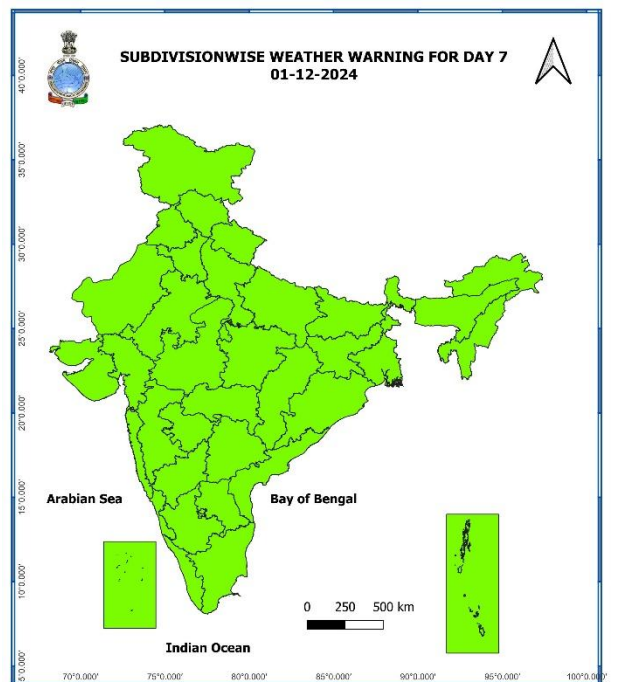
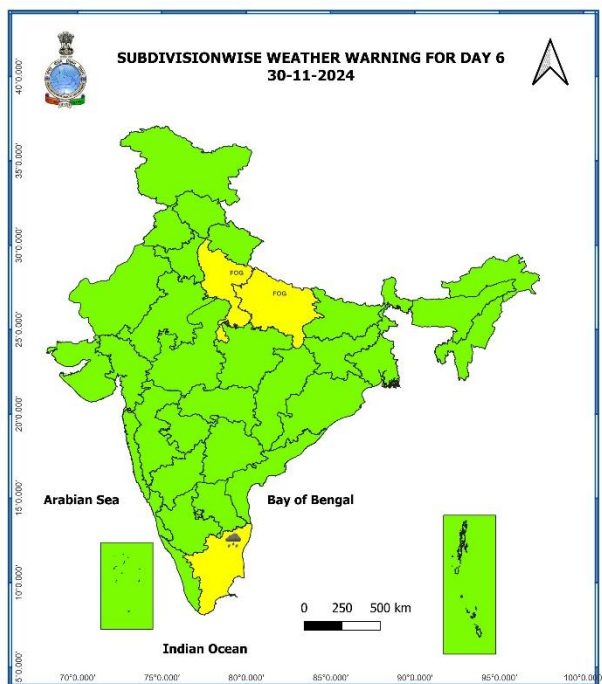
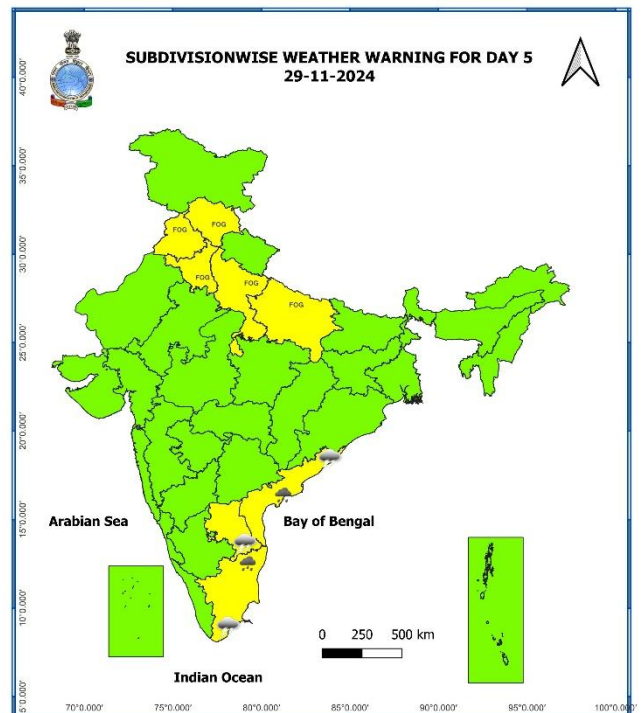
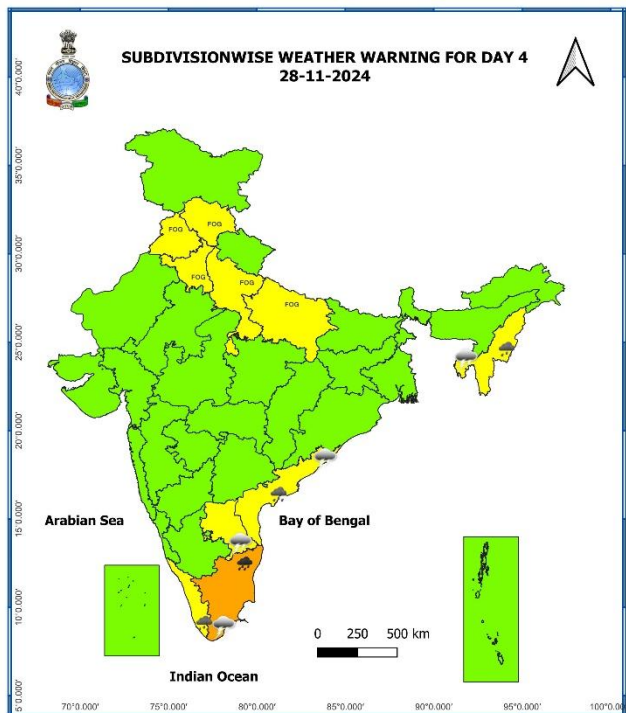
MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
≥ 64 (≥ 118)	Phenomenal	Total suspension of fishing operations

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Weather Warning Graphics



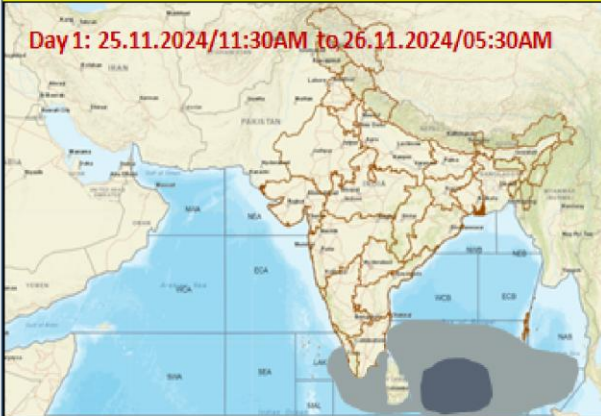
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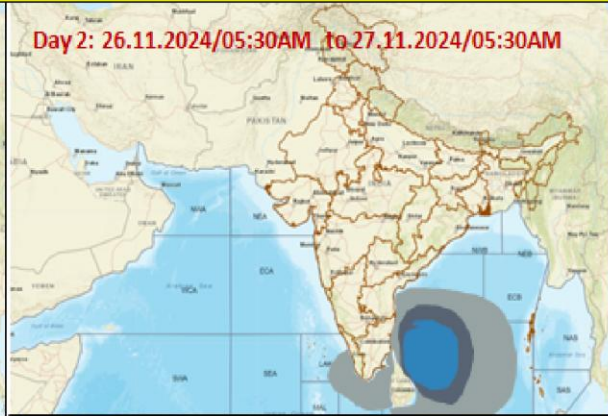
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Fishermen Warning Graphics

Day 1: 25.11.2024/11:30AM to 26.11.2024/05:30AM



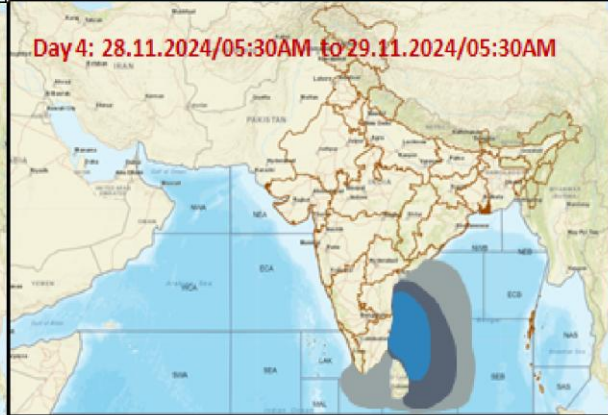
Day 2: 26.11.2024/05:30AM to 27.11.2024/05:30AM



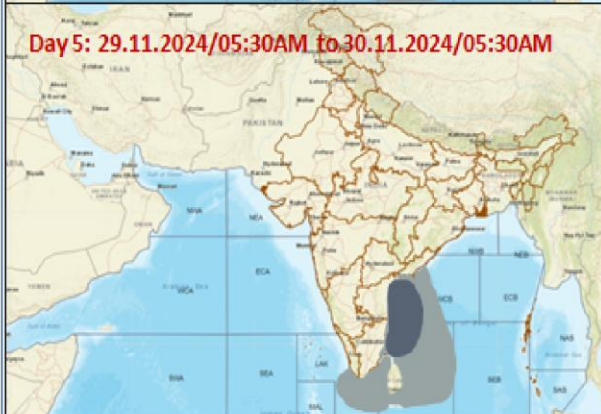
Day 3: 27.11.2024/05:30AM to 28.11.2024/05:30AM



Day 4: 28.11.2024/05:30AM to 29.11.2024/05:30AM



Day 5: 29.11.2024/05:30AM to 30.11.2024/05:30AM



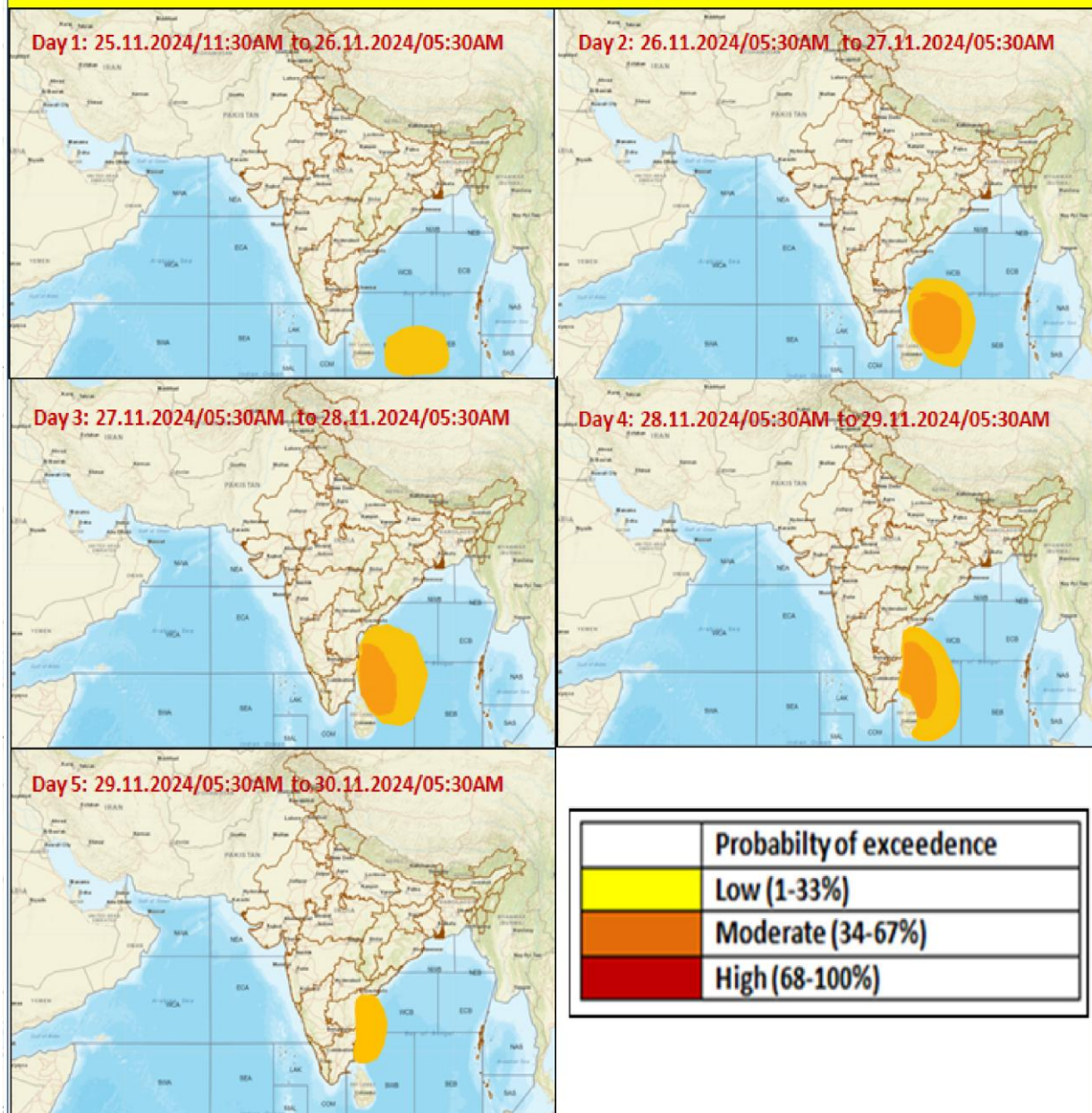
Squally Weather with wind speed 35-45 kmph gusting to 55 kmph

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.

Fishermen Warning Graphics



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