REGIONAL SPECIALISED METEOROLOGICAL CENTRE -TROPICAL CYCLONES, NEW DELHI
TROPICAL CYCLONE ADVISORY

DEMS-RSMC SPECIAL TROPICAL CYCLONES NEW DELHI DATED 29.11.2025
FROM: RSMC –TROPICAL CYCLONES, NEW DELHI
TO: STORM WARNING CENTRE, NAYPYITAW (MYANMAR)
STORM WARNING CENTRE, BANGKOK (THAILAND)
STORM WARNING CENTRE, COLOMBO (SRILANKA)
STORM WARNING CENTRE, DHAKA (BANGLADESH)
STORM WARNING CENTRE, KARACHI (PAKISTAN)
METEOROLOGICAL OFFICE, MALE (MALDIVES)
OMAN METEOROLOGICAL DEPARTMENT,
MUSCAT (THROUGH RTH JEDDAH)
YEMEN METEOROLOGICAL SERVICES,
REPUBLIC OF YEMEN (THROUGH RTH JEDDAH)
NATIONAL CENTRE FOR METEOROLOGY, UAE (THROUGH RTH JEDDAH)
PRESIDENCY OF METEOROLOGY AND ENVIRONMENT,
SAUDI ARABIA (THROUGH RTH JEDDAH)
IRAN METEOROLOGICAL ORGANISATION, (THROUGH RTH JEDDAH)
QATAR METEOROLOGICAL DEPARTMENT (THROUGH RTH JEDDAH)

TROPICAL CYCLONE ADVISORY NO. 30 FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 120 HOURS ISSUED AT 1730 UTC OF 29.11.2025 BASED ON 1500 UTC OF 29.11.2025

Cyclonic Storm Ditwah [Pronunciation: Ditwah] over southwest Bay of Bengal and adjoining North Sri Lanka & Tamil Nadu coasts

The **Cyclonic Storm Ditwah [Pronunciation: Ditwah]** over southwest Bay of Bengal and adjoining north Sri Lanka moved nearly northwards with the speed of 7 kmph during past 6 hours and lay centered at 1500 UTC of today, the 29th November 2025 over the same region, near latitude 10.5°N and longitude 80.6°E, about 110 km northeast of Jaffna (43404), 80 km east of Vedaranniyam (43349), 100 km east-southeast of Karaikal (43346), 180 km south-southeast of Puducherry (43331) and 280 km south of Chennai (43279).

It is very likely to move north-northwestwards and reach over southwest Bay of Bengal near North Tamil Nadu, Puducherry and adjoining south Andhra Pradesh coasts by early morning of 30th November.

While moving north-northwestwards the cyclonic storm will be centered over southwest Bay of Bengal within a minimum distance of 60 km, 50 km and 25km from the Tamil Nādu-Puducherry coastline by midnight of today, the 29th November, early morning and evening of tomorrow, the 30th November respectively.

Forecast track and intensity are given in Table below

Date/Time (UTC)	Position (Lat. °N/ Long. °E)	Maximum Sustained Surface Wind Speed (Kmph)	Category Of Cyclonic Disturbance
29.11.25/1500	10.5/80.6	70-80 gusting to 90	Cyclonic Storm
29.11.25/1800	10.7/80.5	70-80 gusting to 90	Cyclonic Storm
30.11.25/0000	11.1/80.4	70-80 gusting to 90	Cyclonic Storm
30.11.25/0600	11.6/80.4	65-75 gusting to 85	Cyclonic Storm
30.11.25/1200	12.2/80.4	60-70 gusting to 80	Cyclonic Storm
01.12.25/0000	13.4/80.5	45-55 gusting to 65	Depression

As per INSAT 3DR at 1500 UTC, Intensity T2.5, the associated scattered to broken low and medium clouds with embedded intense to very intense convection lay over southwest adjoining westcentral Bay of Bengal, Tamil Nadu, south Coastal Andhra Pradesh, Rayalaseema, South-interior Karnataka and Kerala Comorin Area (minimum CTT minus 70-90 degree Celsius). Moderate to intense convection lay over Comorin Area, Palk Strait, Gulf of Mannar, Sri Lanka and rest of southwest Bay of Bengal (minimum CTT minus 40-60 degree Celsius).

The estimated central pressure is about 1001 hPa. The associated maximum sustained wind speed is about 40 knots gusting upto 50 knots. High Wind Speed Recorder at Nagapattinam reported maximum sustained wind speed of 66 kmph (35.6 kt) at 09:40 UTC, Karaikal reported 60 kmph (32 kt) at 10:40 UTC.

Sea condition is high over southwest Bay of Bengal & adjoining north Sri Lanka, Gulf of Mannar, Comorin area and along & off Tamil Nadu-Puducherry coasts.

Strom surge warning: Storm surge of height about 1.0 to 1.5 m above the astronomical tide (0.2-0.3 m during high tide) is likely to inundate the low-lying coastal areas of north Sri Lanka till 29th/ 1200 UTC. Storm surge of height about 0.5 m to 1m above the astronomical tide (0.4 m during high tide) is likely to inundate the low-lying coastal areas of Tamil Nadu- Puducherry till 30th/ 0000 UTC.

REMARKS:

The guidance from various models indicates that the Madden Julian Oscillation (MJO) index is presently in phase 7 with amplitude more than 1 and is likely to continue in same phase during next 5 days. The sea surface temperature is around 28^{0}C over southwest Bay of Bengal and along & off Sri Lanka, Tamil Nadu & South Andhra Pradesh coast along the forecast track.

The guidance from NCICS model indicates westerly wind anomaly (7-9 mps) along with prevalence of Equatorial Rossby Wave (ERW), Kelvin wave (KW) and low frequency background wave (LW) over the southern parts of the Bay of Bengal (BoB) and adjoining southeast Arabian Sea (AS) and easterly wind anomaly (3-5 mps) to its north over southwest BoB off Tamil Nadu coast-Andhra Pradesh coasts on 29th & 30th November. Thereafter, slight weakening of these features is indicated.

The Low level relative vorticity at 850 hPa is about 100×10^{-6} s^{-1} over Sri Lanka and

adjoining southwest Bay of Bengal to the south of system centre. Vertically the positive vorticity zone is extending up to 200hPa and tilting slightly southwestwards with height. Upper-level divergence is around 10×10^{-6} s^{-1} around the system. Low-level convergence is around 20×10^{-6} s^{-1} around the system centre. Mid layer shear is around (10-15 kts) and anti-cyclonic over the system area. The deep layer wind shear of horizontal wind is moderate (15-20 kt) and anti-cyclonic over the system area and hence favorable to maintain intensity. Warm air advection is continuously taking place from south and southeast sector towards the core of the system.

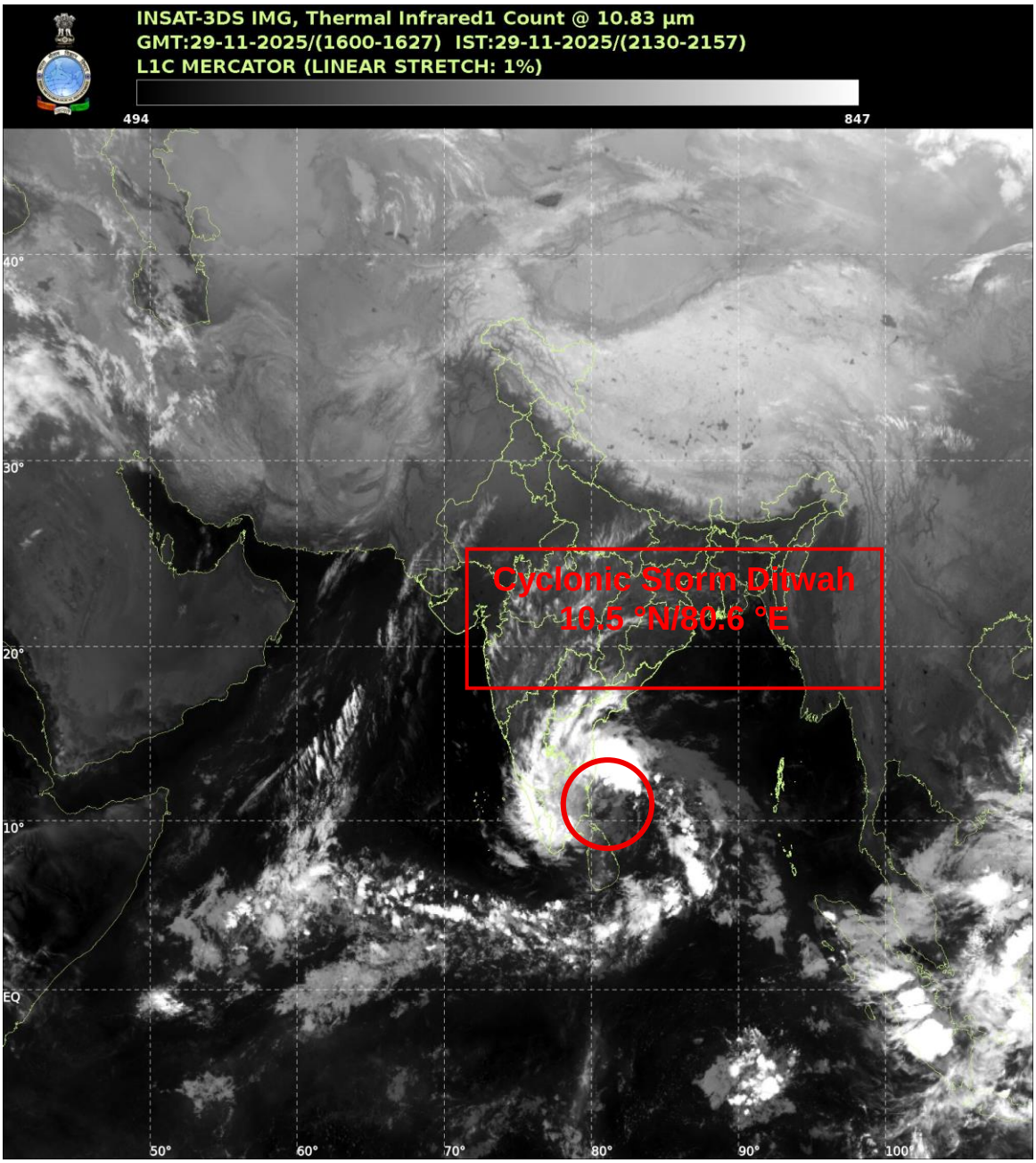
However, as it moves northwards, it may encounter higher wind shear over southwest BoB and along & off North Tamil Nadu coast. As the system has emerged into sea, the intensity of the system has increased. However cold and dry air from the southern peninsular is touching the northwest sector. As a result with the northwards movement of the system there could be more incursion of dry and cold air.

However, favorable outflow, warm moist air incursion, support from equatorial waves and favorable thermodynamic features will support system to maintain its intensity till 30th November/ 0300 UTC. Thereafter, weakening is likely due to high wind shear, low ocean thermal energy, and cold dry air incursion from northwest sector.

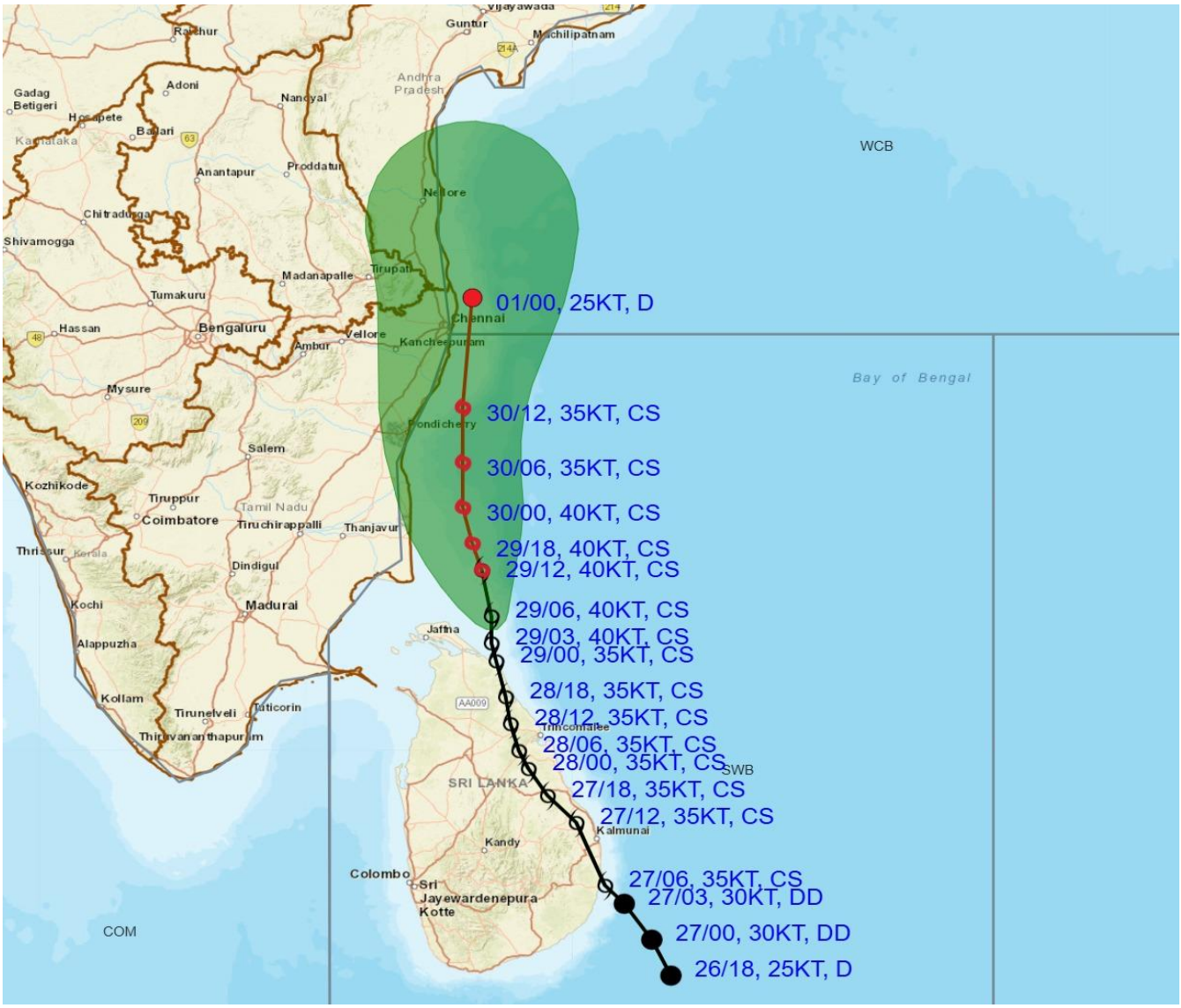
There is good consensus among various models with respect to north-northwestwards movement of the system across southwest Bay of Bengal off Tamil Nadu, Puducherry and adjoining south Andhra Pradesh coasts till 1st December. There is also consensus among various models wrt weakening of the system from 30th/ 1200 UTC onwards.

(i) Confidence level in estimation of current location of Cyclonic Storm: High
(ii) Confidence level in estimation of estimation of current intensity: High
(iii) Confidence level in forecast track: High
(iv) Confidence level in forecast intensity: Moderate

M. T. Bushair
Scientist-D
Scientist, RSMC, New Delhi


INSAT-3DS IMG, Thermal Infrared1 Count @ 10.83 µm
GMT:29-11-2025/(1600-1627) IST:29-11-2025/(2130-2157)
L1C MERCATOR (LINEAR STRETCH: 1%)
494
847
40°
30°
20°
10°
EQ
50°
60°
70°
80°
90°
100°
Cyclonic Storm Ditwah
10.5 °N/80.6 °E

OBSERVED AND FORECAST TRACK OF CYCLONIC STORM "DITWAH" OVER SOUTHWEST BAY OF BENGAL AND ADJOINING NORTH SRI LANKA & TAMILNADU COASTS BASED ON 1200 UTC (1730 Hrs. IST) OF 29TH NOVEMBER 2025

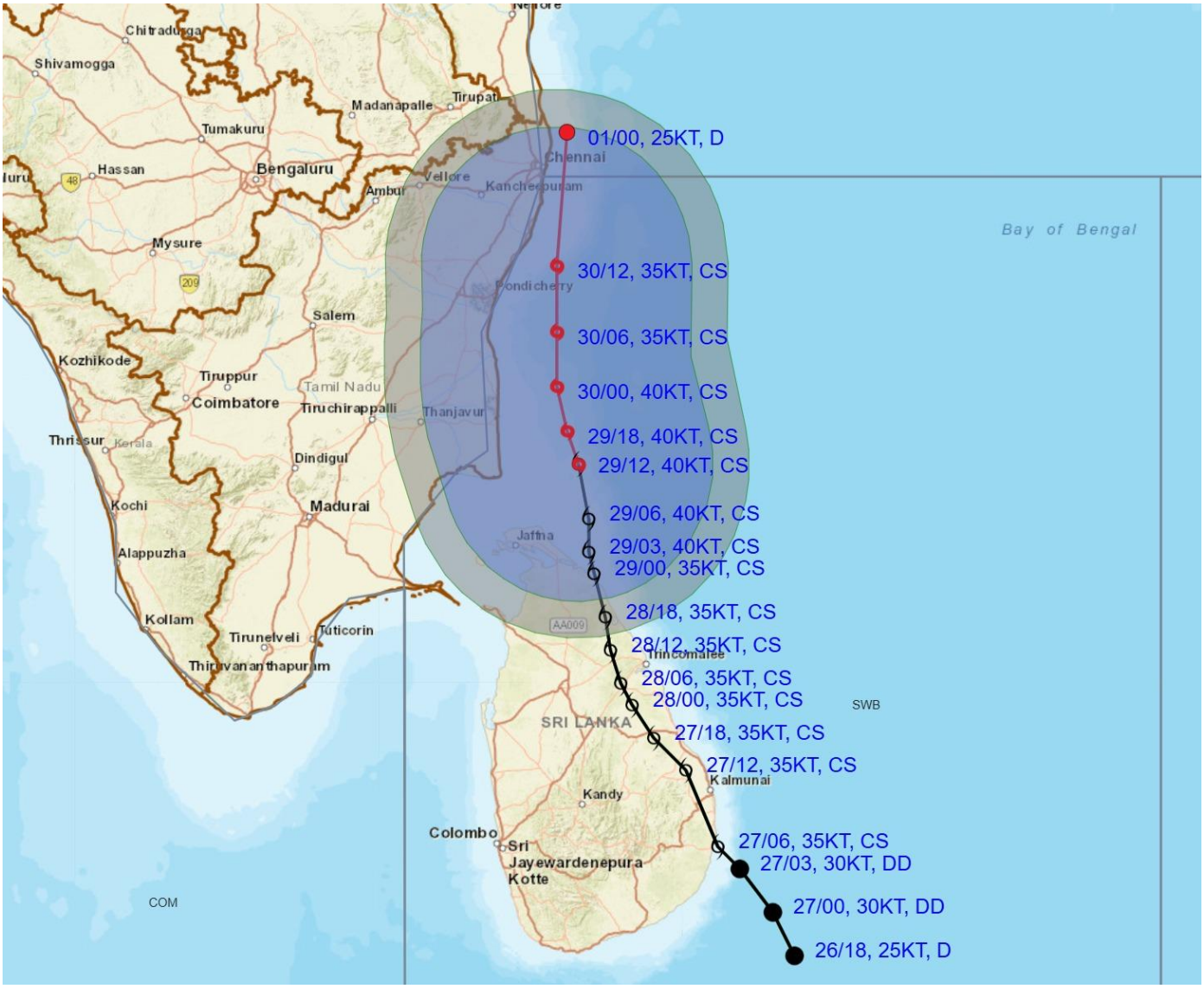


DATE/TIME IN UTC
IST=UTC + 0530
L: LOW PRESSURE AREA
WML: WELL MARKED LOW PRESSURE AREA
D: DEPRESSION (17-27 KT)
DD: DEEP DEPRESSION (28-33 KT)
CS: CYCLONIC STORM (34-47 KT)
SCS: SEVERE CYCLONIC STORM (48-63KT)
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119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

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

Cloud distribution: (a) Isolated: <25%, Scattered:25-50%, Broken: 51-75%, Solid:>75%, Convection Intensity: (a) Weak: Cloud Top Temperature(CTT)>-25°C, (b) Moderate: CTT:-25°Cto-40°C, (c) Intense: CTT: -41°Cto -70°C and (d) Very Intense::Less than -70°C
Probability of cyclogenesis (formation of depression) :NIL:0%, LOW:1-33%, MODERATE:34-66% and HIGH:67-100%
This is a guidance Bulletin for WMO/ESCAP Panel Member countries. Visit respective National websites for Country specific Bulletins.

OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF CYCLONIC STORM "DITWAH" OVER SOUTHWEST BAY OF BENGAL AND ADJOINING NORTH SRI LANKA & TAMILNADU COASTS BASED ON 1200 UTC (1730 Hrs. IST) OF 29TH NOVEMBER 2025



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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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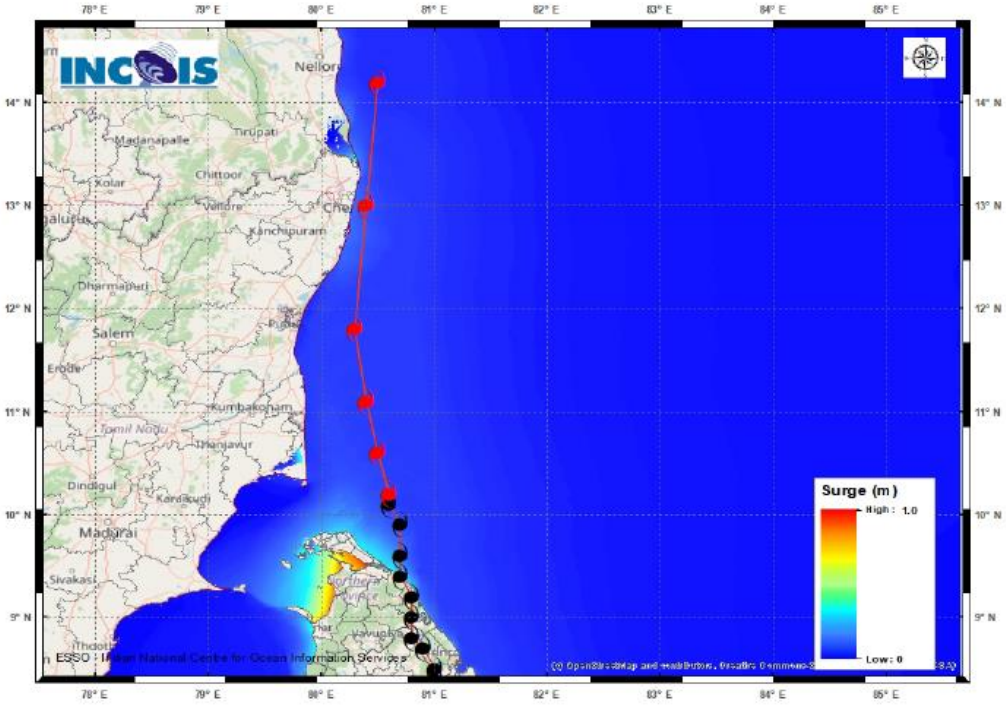
Storm Surge Guidance

STORM SURGE HEIGHT INFORMATION:

* The below listed surge heights are over and above astronomical tide.

MANDAL/TALUK	DISTRICT	STATE / UNION TERRITORY	NEAREST PLACE OF HABITATION	STORM SURGE (m) *	EXPECTED INUNDATION EXTENT (km)
Chengalpattu	Kancheepuram	Tamil Nadu	Muthukadu	0.3-0.5	Nil
Ponneri	Thiruvallur	Tamil Nadu	Karimanal	0.2-0.4	Upto 0.15



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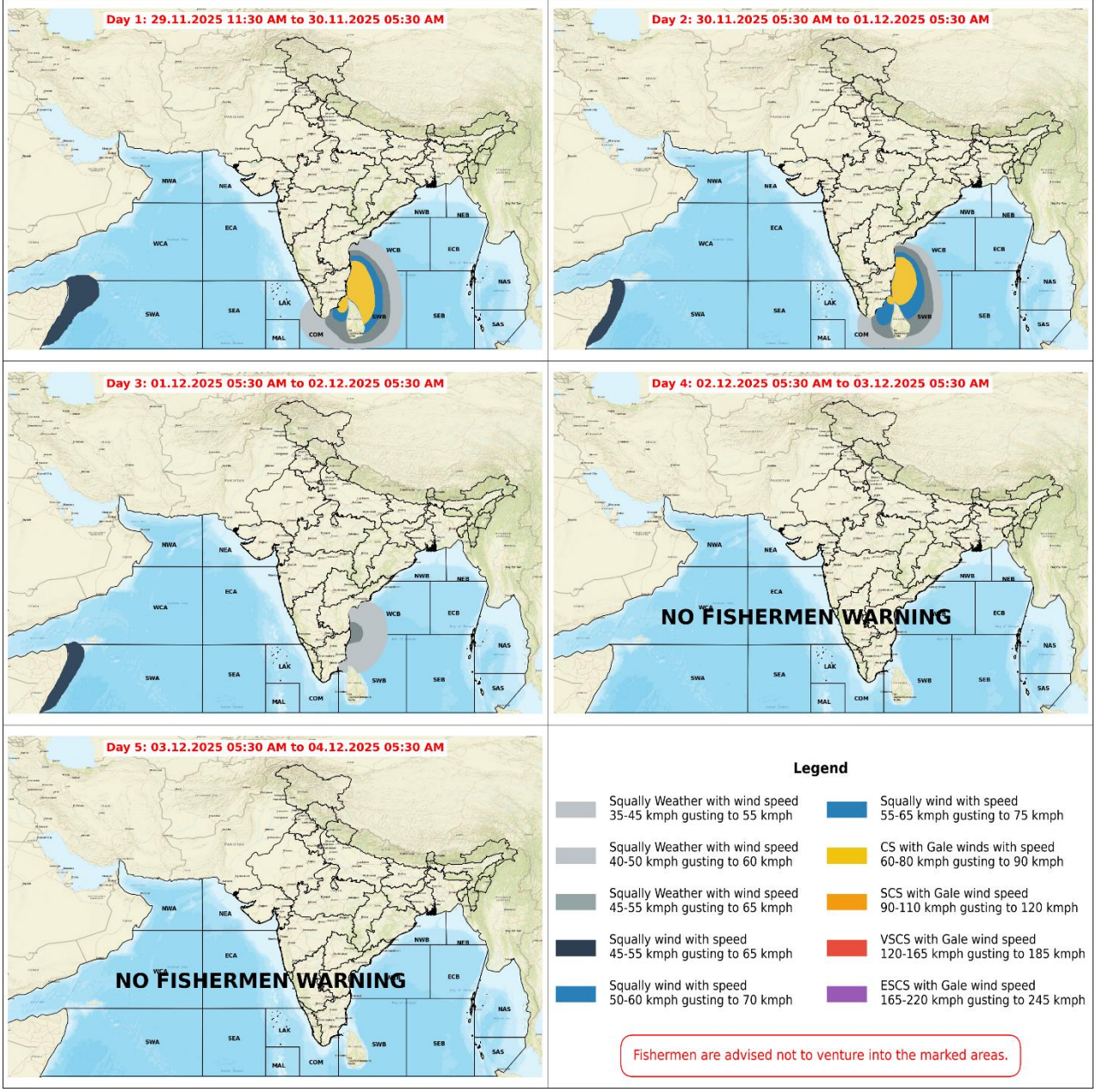
Fishermen Warning Graphics



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