



REGIONAL SPECIALISED METEOROLOGICAL CENTRE -TROPICAL CYCLONES, NEW DELHI SPECIAL TROPICAL WEATHER OUTLOOK

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 26.07.2026

SPECIAL TROPICAL WEATHER OUTLOOK FOR THE NORTH INDIAN OCEAN (THE BAY OF BENGAL AND THE ARABIAN SEA) VALID FOR THE NEXT 168 HOURS ISSUED AT 1500 UTC OF 26.07.2026 BASED ON 1200 UTC OF 26.07.2026.

Depression over northwest Bay of Bengal and adjoining areas of North Odisha- West Bengal coasts

The Depression over northwest Bay of Bengal and adjoining areas of North Odisha-West Bengal coasts moved slowly north-northwestwards with a speed of 5 kmph during past 6 hours and lay centred at 1200 UTC of today, the 26th July 2026, over the same region near latitude 21.1°N and longitude 88.1°E, about 60 km south of Sagar Island (42903, West Bengal), 80 km southeast of Digha (42901, West Bengal), 130 km east-southeast of Balasore (42895, Odisha), 140 km south-southwest of Canning (42812, West Bengal) and 150 km east-northeast of Chandbali (42973, Odisha).

It is very likely to move nearly northwestwards, intensify further into a deep depression in around 0000 UTC of tomorrow and cross north Odisha & West Bengal coasts between Chandbali & Canning during 0600-0900 UTC of tomorrow, the 27th July 2026.

The estimated central pressure is 994 hPa. The associated maximum sustained wind speed is 25 kt gusting to 35 kt. Digha (42901) reported mean sea level pressure (MSLP) as 995.5 hPa, departure from normal (Dep) as -2.0 hPa and maximum sustained wind speed (MSW) as 20⁰/ 02 kt. Balasore (42895) reported MSLP as 996.5 hPa, P24 as -1.6 hPa and MSW as 230⁰/ 02 kt. Sagar Island (42903) reported MSW as 60⁰/ 04 kt

As per INSAT 3DS imagery at 1200 UTC of 26th July, the intensity of the system is characterised as T1.5. Associated scattered to broken low and medium clouds with embedded intense to very intense convection lay over north and central Bay of Bengal, Odisha, Gangetic West Bengal and Chhattisgarh (minimum Cloud Top Temperature is -70 to -90 deg. Celsius).

REMARKS:

Sea surface temperature (SST) is 29-30°C over northwest Bay of Bengal (BoB) and along & off North Odisha-West Bengal-Bangladesh coasts and around 28°C over most parts of BoB. The low level vorticity is the same during past 6 hours and is about $150 \times 10^{-6} \text{ s}^{-1}$ over Northwest Bay of Bengal to the southeast of system centre. Vertically, it is extending upto 500 hPa level. The low level convergence is around $10 \times 10^{-6} \text{ s}^{-1}$ over northwest BoB to the southwest of system centre. Upper level divergence has decreased in past 6 hours and is around $10 \times 10^{-6} \text{ s}^{-1}$ over northwest

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%

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BoB to the southwest of system centre. Vertical wind shear (both mid (500-850 hPa) and deep (200-850 hPa)) of horizontal wind is low to moderate (10-15 kt) over the system area and along the predicted path. The IR-WV difference imagery is indicating temperatures less than -2.5°C to the southeast of system centre, indicating decrease in associated moisture at middle level. The guidance from NCICS model indicates the prevalence of westerly wind anomaly (5-7 mps) over central BoB, along with Equatorial Rossby wave (ERW) & approaching Kelvin wave (KW) and easterly wind anomaly (3-5 mps) over north & adjoining areas of central BoB on 26th July. However, on 27th July, there is enhancement of westerly wind anomaly (7-9 mps) over central & south BoB with prevalence of ERW, low frequency background wave (LW) and KW and easterly wind anomaly (7-9 mps) over north BoB, i.e. all the waves will be in phase on 27th July.

All these favourable features viz. high SST, good equatorward outflow, presence of equatorial waves (ERW, KW, LW), low to moderate vertical wind shear, positive low level vorticity & low level convergence and upper level divergence indicate a favourable environment for maintenance of intensity of the system.

Guidance from numerical models:

Various numerical weather prediction models (ECMWF, GFS group, NCUM, ECAI, GFSAI etc.) are indicating the depression over northwest Bay of Bengal and adjoining North Odisha-West Bengal coasts to move slowly northwestwards and intensify further during next 12 hours. Models are also indicating crossing over North Odisha-West Bengal coasts to the north of Balasore during 0000-0900 UTC of 27th July, 2026.

Based on the observations and guidance from various numerical models:

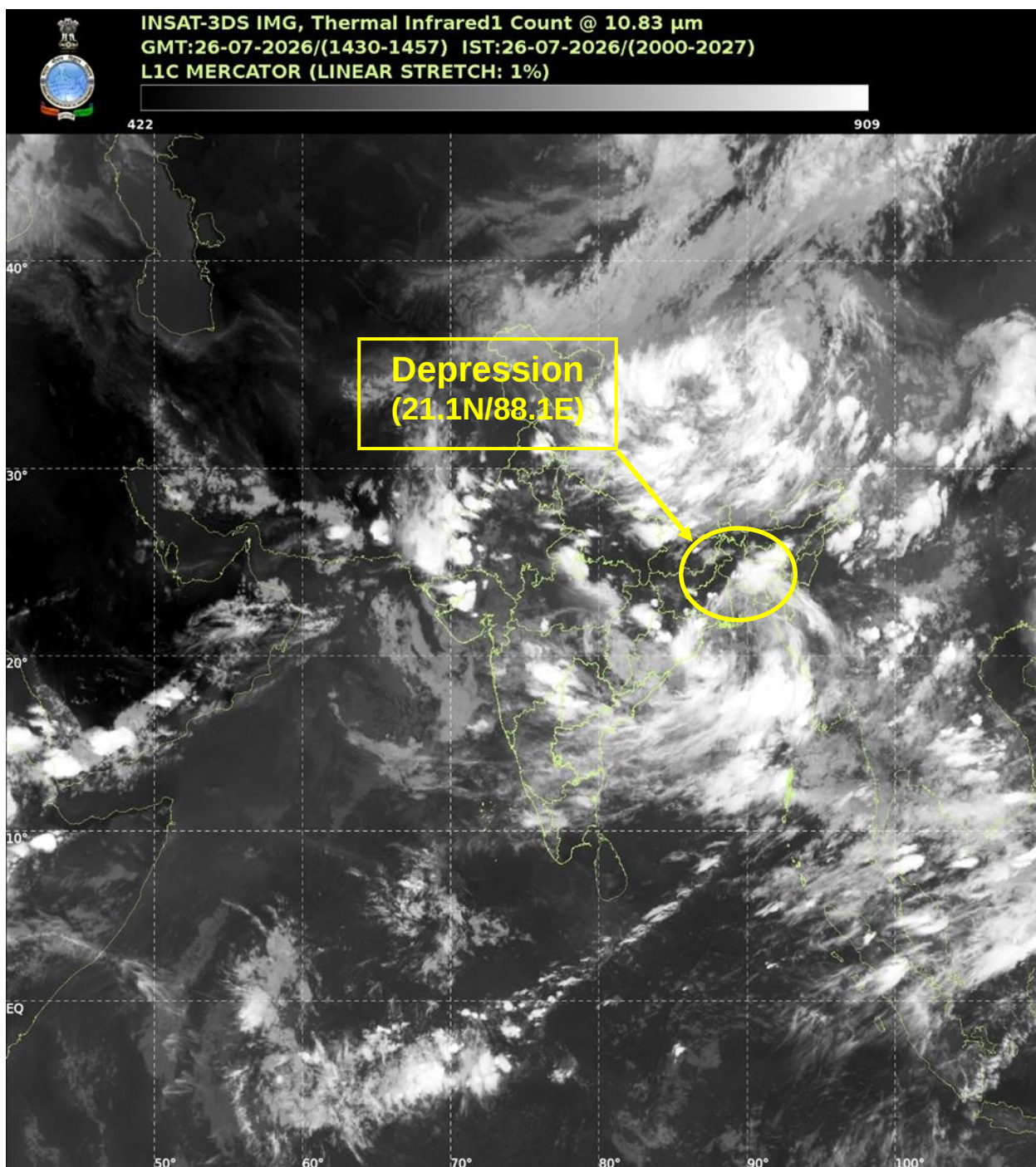
Confidence Level in estimation of current location and intensity: **High**

Confidence Level in prediction of forecast track: **High**

Confidence Level in prediction of forecast intensity: **High**

Considering all the above, the depression over northwest Bay of Bengal and adjoining areas of North Odisha -West Bengal coasts is very likely to move northwestwards and cross North Odisha-West Bengal coasts during 0600-0900 UTC of 27th July, 2026.

Dr. Suprit Kumar
RSMC, New Delhi

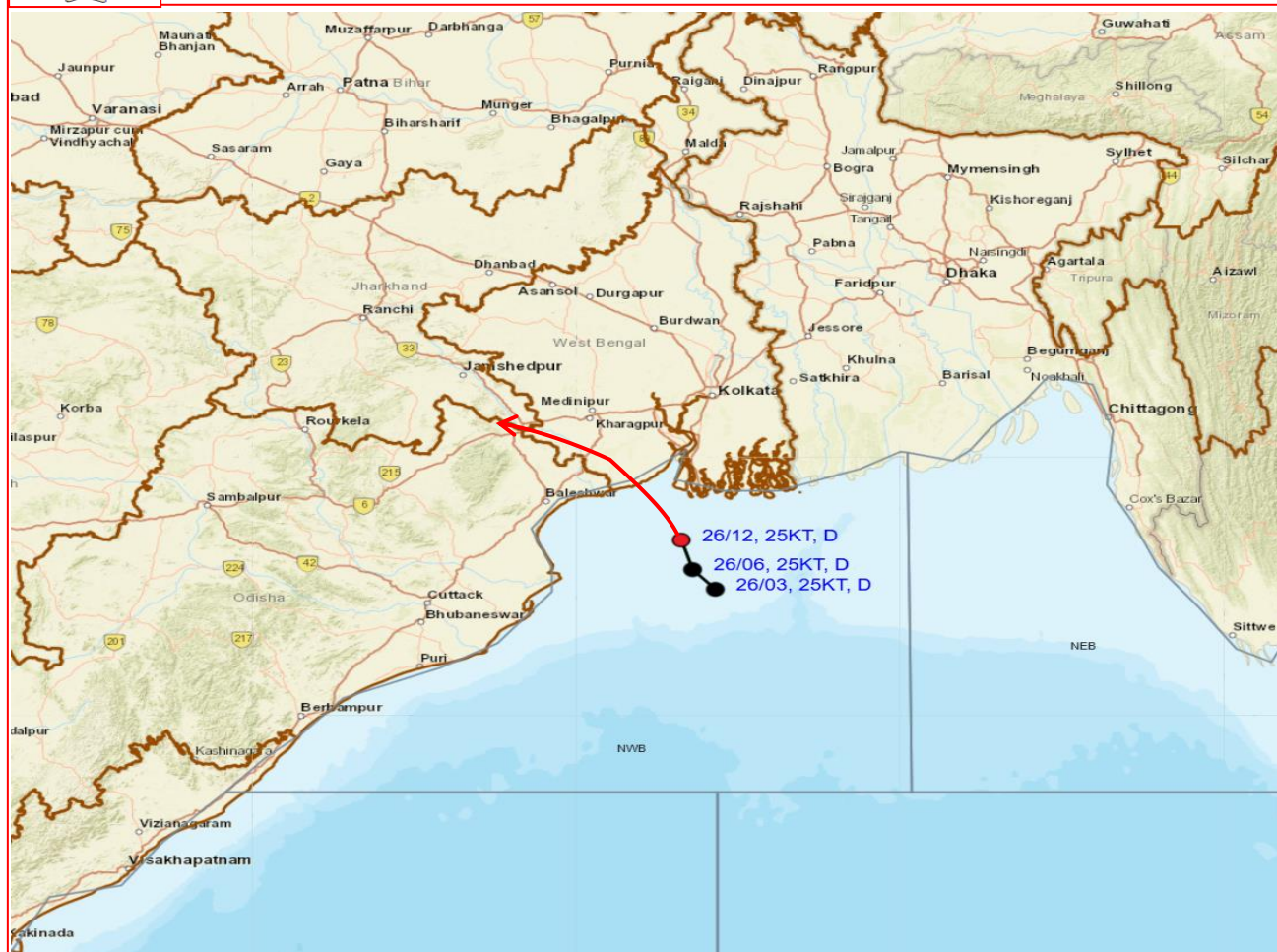


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OBSERVED AND FORECAST TRACK OF DEPRESSION OVER NORTHWEST BAY OF BENGAL AND ADJOINING AREAS OF NORTH ODISHA- WEST BENGAL COASTS BASED ON 1200 UTC (1730 Hrs. IST) OF 26TH JULY 2026



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 (≥20 KT)



LESS THAN 34 KT



34-47 KT



≥ 48 KT



OBSERVED TRACK



FORECAST TRACK



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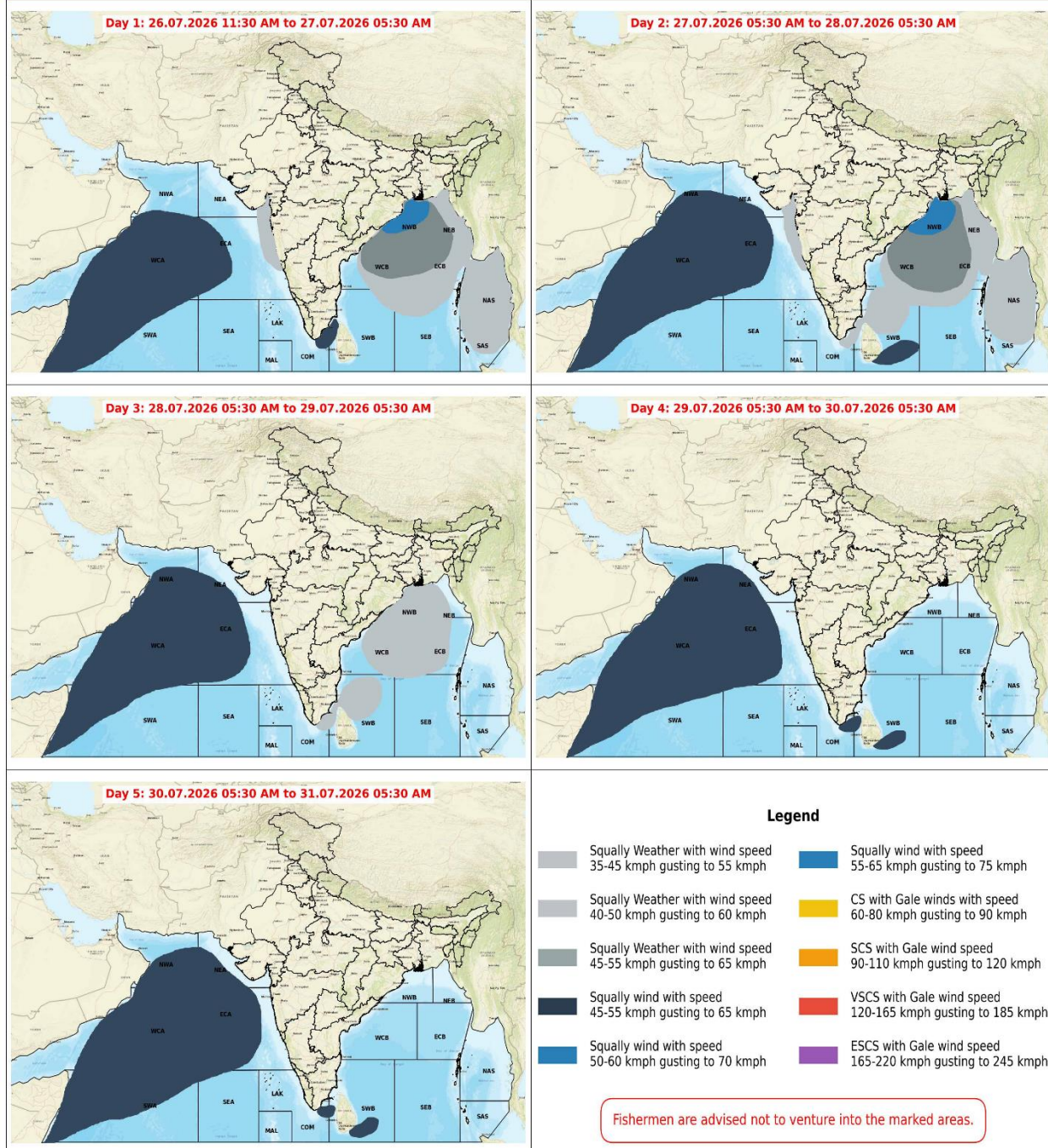
Forecast distance (km) and direction of the centre from nearest 5 coastal stations

Forecast Date and Time	Lead Period	Lat	Lon	Station 1	Station 2	Station 3	Station 4	Station 5
26.07.26/1200	0	21.1	88.1	SAGAR ISLAND (60,S)	DIGHA (80,SE)	BALASORE (130,ESE)	CANNING (140,SSW)	CHANDBALI (150,ENE)

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Fishermen Warning Graphics



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