



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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 27.07.2026

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 0600 UTC OF 27.07.2026 BASED ON 0300 UTC OF 27.07.2026.

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

The Deep Depression over northwest Bay of Bengal and adjoining areas of West Bengal-North Odisha coasts moved very slowly northwards with the speed of 3 kmph during past 6 hours and lay centred at 0300 UTC of today, the 27th July 2026, over the same region near latitude 21.4°N and longitude 88.1°E, about 30 km south of Sagar Island (42903, West Bengal), 70 km east-southeast of Digha (42901, West Bengal), 90 km south of Diamond Harbour (42811, West Bengal), 110 km south-southwest of Canning (42812, West Bengal) and 120 km east-southeast of Balasore (42895, Odisha).

It is very likely to move nearly north-northwestwards and cross West Bengal-north Odisha coasts between Balasore (42895, Balasore) & Canning (42812, West Bengal) around 0900 UTC of today, the 27th July 2026.

The estimated central pressure is 993 hPa. The associated maximum sustained wind speed is 30 kt gusting to 40 kt. Digha (42901) reported mean sea level pressure (MSLP) as 995.5 hPa with pressure change over past 24 hrs (P24) as -4.4 hPa. Sagar Island (42903) reported MSLP as 995.0 hPa, P24 as -3.7 hPa and MSW as 320⁰/ 04 kt. Canning (42812) reported MSLP as 995.5 hPa, P24 as -4.0 hPa and MSW as 90⁰/ 05 kt.

As per INSAT 3DS imagery at 0300 UTC of 27th July, the intensity of the system is characterised as T 2.0. 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 and Bangladesh (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 westcentral BoB and another over eastcentral & adjoining northeast BoB. Upper level divergence has increased in past 6 hours and is around $20 \times 10^{-6} \text{ s}^{-1}$ over Westcentral and another zone over eastcentral BoB. Vertical wind shear (both mid

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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(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 colder than -4.0°C to the southeast of system centre, indicating increase in associated moisture at middle level. The guidance from NCICS model indicates westerly wind anomaly (5-7 mps) alongwith prevalence of Equatorial Rossby wave (ERW), low frequency background wave(LW) and Kelvin wave (KW) over central & south BoB and easterly wind anomaly (5-7 mps) over north BoB.

All these favourable features are favourable for maintenance viz. high SST, good equatorward outflow, presence of equatorial waves (ERW, KW, LW), low to moderate vertical wind shear provided a favourable environment for marginal intensification of the system.

Guidance from numerical models:

Various numerical weather prediction models (ECMWF, GFS group, NCUM, etc.) are indicating the deep depression over northwest Bay of Bengal and adjoining West Bengal-North Odisha coasts to move slowly northwestwards and cross West Bengal coast during 0900-1200 UTC of 27th July as a depression.

Based on the observations and guidance from various numerical models:

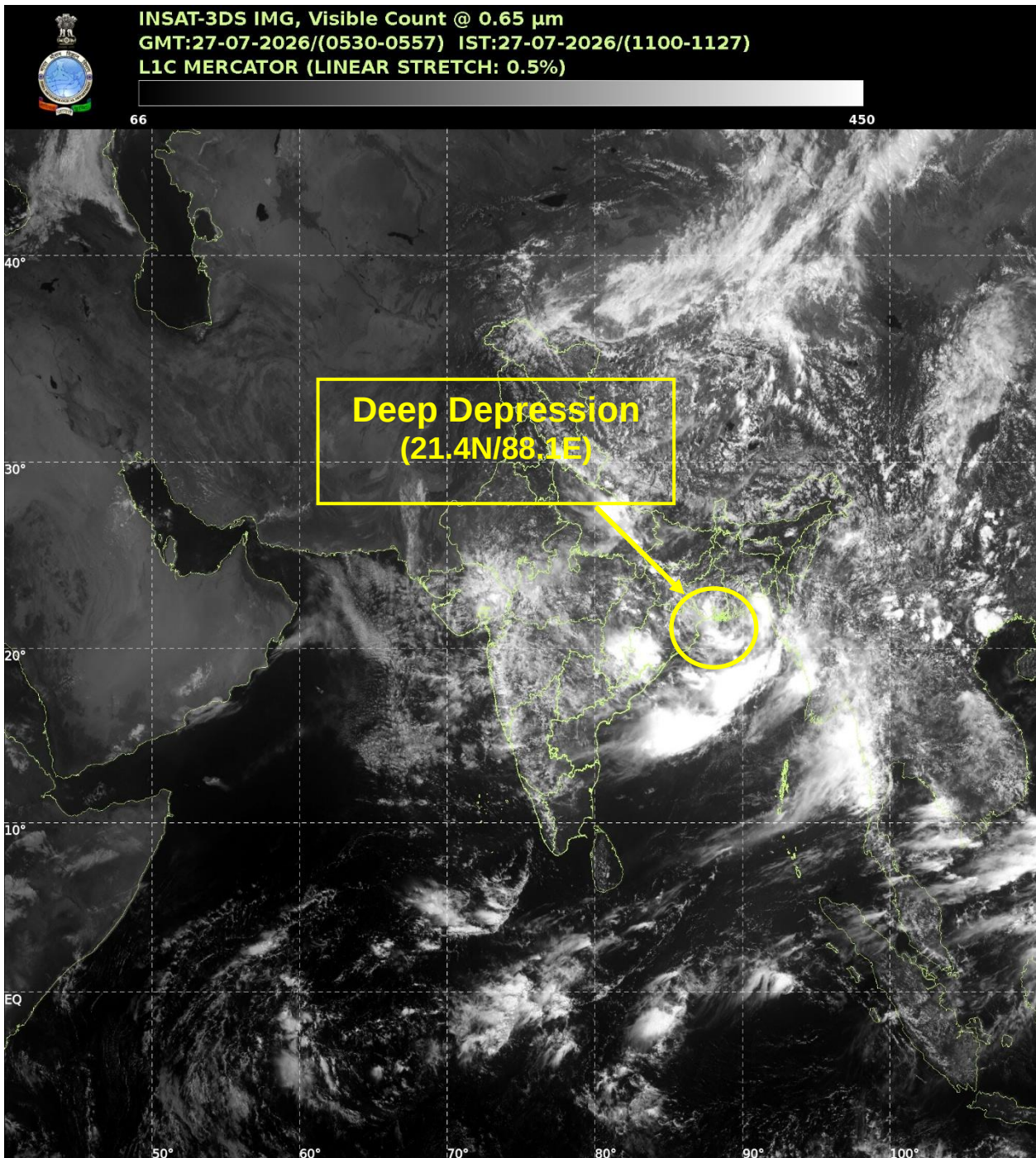
Confidence Level in estimation of current location and intensity: **High**

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

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

Considering all the above, the deep depression over northwest Bay of Bengal and adjoining areas of West Bengal-North Odisha coasts is very likely to move nearly north-northwestwards and cross West Bengal-north Odisha coasts between Balasore & Canning around 0900 UTC of today, the 27th July 2026.

Monica Sharma
RSMC, New Delhi

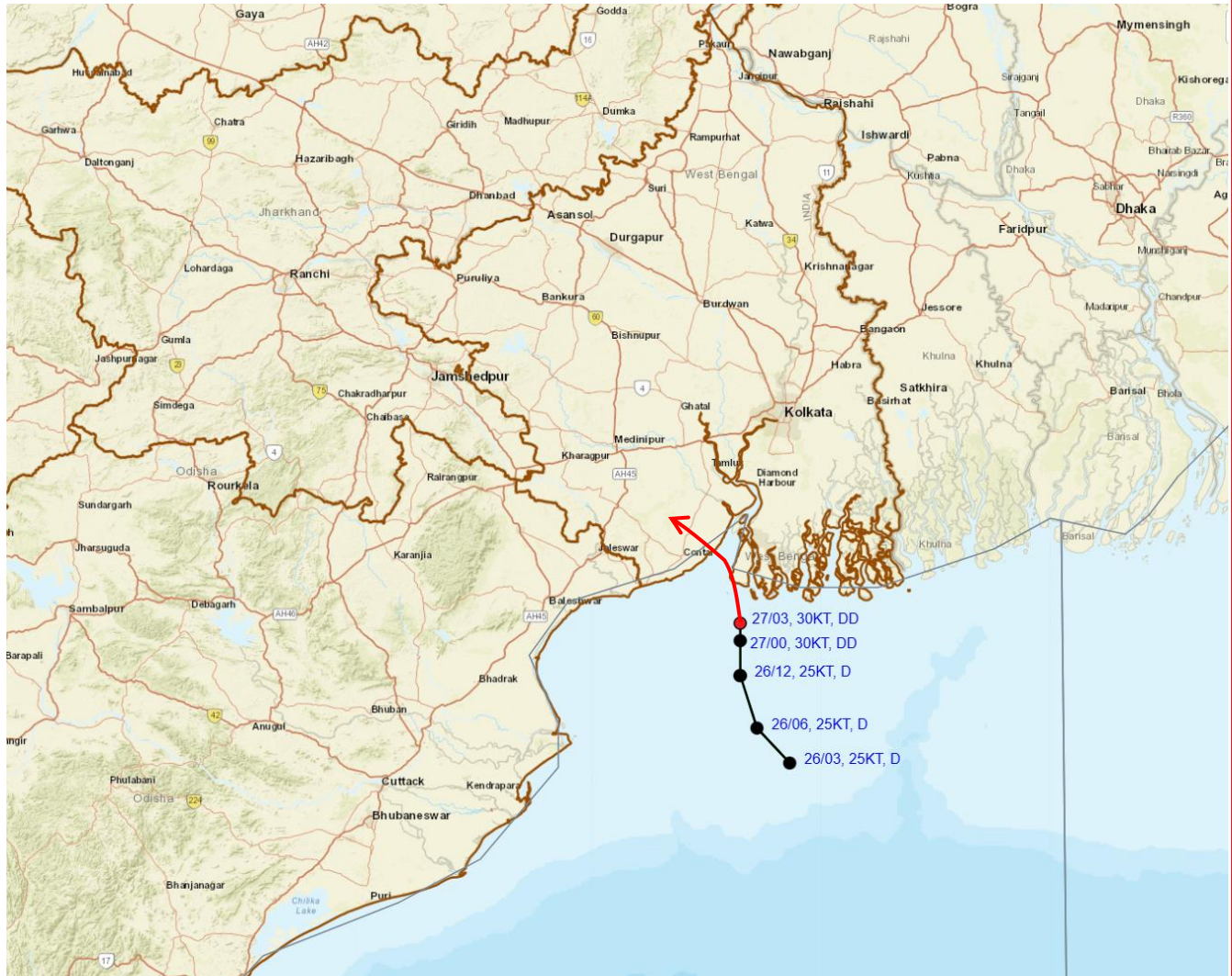


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OBSERVED AND FORECAST TRACK OF DEEP DEPRESSION OVER NORTHWEST BAY OF BENGAL AND ADJOINING AREAS OF WEST BENGAL-NORTH ODISHA COASTS BASED ON 0300 UTC (0830 Hrs. IST) OF 27TH JULY 2026



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 (≥ 120 KT)

● LESS THAN 34 KT

● 34-47 KT

● ≥ 48 KT

— OBSERVED TRACK

— FORECAST TRACK

▲ CONE OF UNCERTAINTY

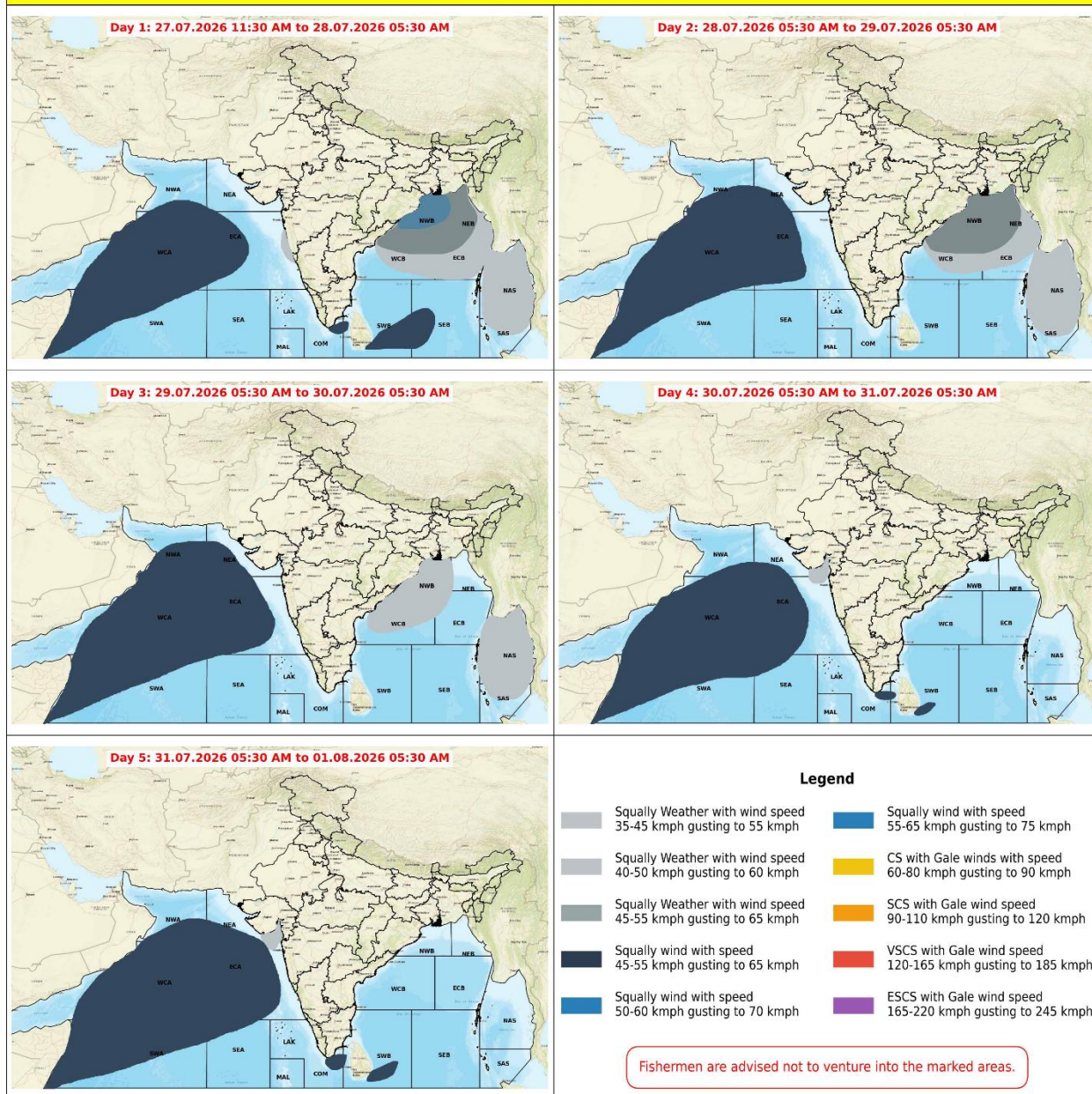
Forecast distance (km) and direction of the centre from nearest 5 coastal stations

Forecast Date and Time	Lead Period	Lat	Lon	Station 1	Station 2	Station 3	Station 4	Station 5
27.07.26/0300	0	21.4	88.1	SAGAR ISLAND (30,S)	DIGHA (70,ESE)	DIAMOND HARBOUR (90,S)	CANNING (110,SSW)	BALASORE (120,ESE)

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Fishermen Warning Graphics



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