



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 0300 UTC OF 27.07.2026 BASED ON 0000 UTC OF 27.07.2026.

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

The Depression over northwest Bay of Bengal and adjoining areas of North Odisha-West Bengal coasts moved very slowly northwards with the speed of 3 kmph during past 6 hours, intensified into a deep depression and lay centred at 0000 UTC of today, the 27th July 2026, over northwest Bay of Bengal and adjoining areas of West Bengal-North Odisha coasts near latitude 21.3°N and longitude 88.1°E, about 40 km south of Sagar Island (42903; West Bengal), 70 km east-southeast of Digha (42901; West Bengal), 100 km south of Diamond Harbour (42811; West Bengal), 120 km east-southeast of Balasore (42895; Odisha) and 120 km south-southwest of Canning (42812; West Bengal).

It 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.

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 994.5 hPa with pressure change over past 24 hrs (P24) as -3.5 hPa, and maximum sustained wind speed (MSW) as 340⁰/ 03 kt. Balasore (42895) reported MSLP as 996.5 hPa, P24 as -2.0 hPa and MSW as 320⁰/ 05 kt. Haldia (42206) reported MSLP as 996.5 hPa, P24 as -2.0 hPa and MSW as 320⁰/ 05 kt.

As per INSAT 3DS imagery at 0000 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 (minimum Cloud Top Temperature is -70 to -90 deg. Celsius). Multisat winds are indicating maximum winds 32 kt with peak winds in southwest sector.

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 & adjoining West Bengal-Bangladesh

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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coasts to the east of system centre. Upper level divergence is the same in past 6 hours and is around $10 \times 10^{-6} \text{ s}^{-1}$ over most parts of central & adjoining north BoB. 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 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 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.

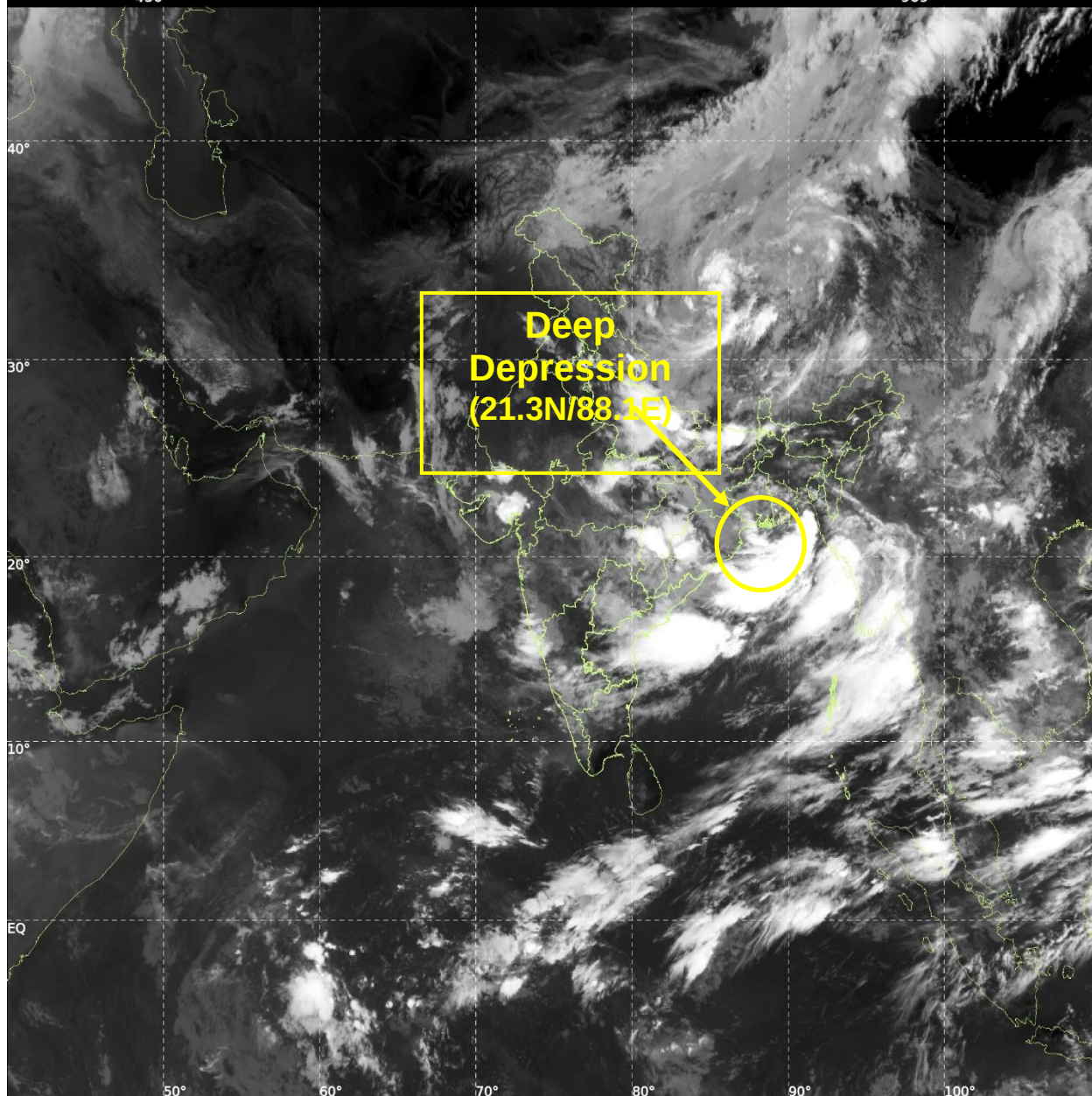
Monica Sharma
RSMC, New Delhi



INSAT-3DS IMG, Thermal Infrared1 Count @ 10.83 μm
GMT:27-07-2026/(0230-0257) IST:27-07-2026/(0800-0827)
L1C MERCATOR (LINEAR STRETCH: 1%)

450

909



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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 0000 UTC (0530 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

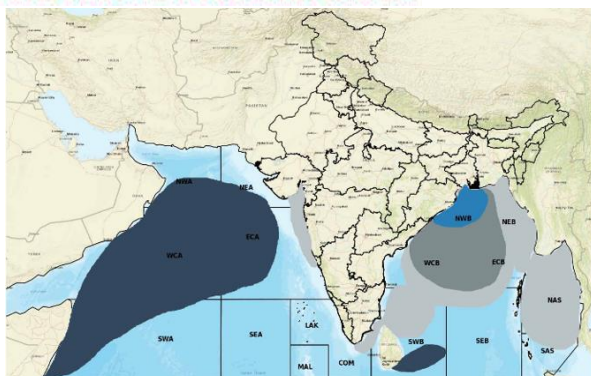
Forecast Date and Time	Lead Period	Lat	Lon	Station 1	Station 2	Station 3	Station 4	Station 5
27.07.26/0000	0	21.3	88.1	SAGAR ISLAND (40,S)	DIGHA (70,SE)	DIAMOND HARBOUR (100,S)	CANNING (120,SSW)	BALASORE (120,ESE)

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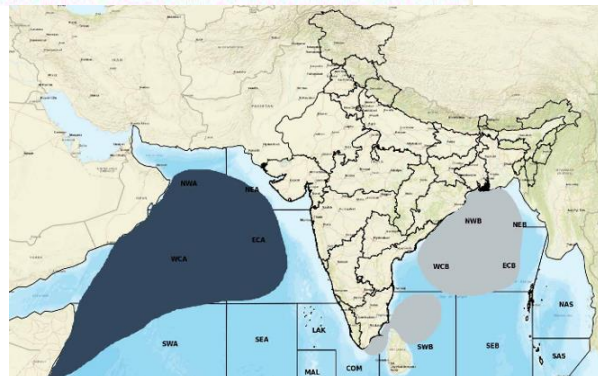
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Fishermen Warning Graphics

27.07.2026 05:30 AM to 28.07.2026 05:30 AM



28.07.2026 05:30 AM to 29.07.2026 05:30 AM



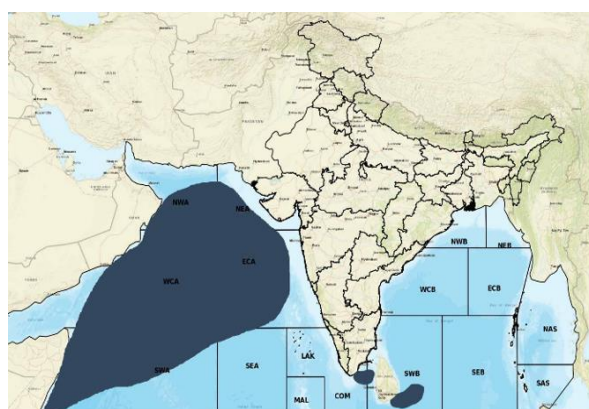
29.07.2026 05:30 AM to 30.07.2026 05:30 AM



30.07.2026 05:30 AM to 31.07.2026 05:30 AM



31.07.2026 05:30 AM to 01.08.2026 05:30 AM



Legend

Squally Weather with wind speed 35-45 kmph gusting to 55 kmph	Squally wind with speed 55-65 kmph gusting to 75 kmph
Squally Weather with wind speed 40-50 kmph gusting to 60 kmph	CS with Gale winds with speed 60-80 kmph gusting to 90 kmph
Squally Weather with wind speed 45-55 kmph gusting to 65 kmph	SCS with Gale wind speed 90-110 kmph gusting to 120 kmph
Squally wind with speed 45-55 kmph gusting to 65 kmph	VSCS with Gale wind speed 120-165 kmph gusting to 185 kmph
Squally wind with speed 50-60 kmph gusting to 70 kmph	ESCS with Gale wind speed 165-220 kmph gusting to 245 kmph

Fishermen are advised not to venture into the marked areas.

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