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 2000 UTC OF 27.07.2026 BASED ON 1800 UTC OF 27.07.2026.

Deep Depression over northwest Bay of Bengal close to West Bengal coast

The Deep Depression over northwest Bay of Bengal close to West Bengal coast moved slowly westwards with the speed of 2 kmph during past 6 hours and lay centred at 1800 UTC of 27th July 2026, over the same region near latitude 21.6°N and longitude 87.6°E, close to Digha (42901:West Bengal), 30 km southwest of Contai(42900:West Bengal), 50 km west of Sagar Island (42903: West Bengal), 70 km southwest of Haldia (42806: West Bengal), 70 km east of Balasore (42895:Odisha) and 130 km west-southwest of Canning (42812:West Bengal).

It is very likely to move nearly west-northwestwards and cross West Bengal-North Odisha coasts close to east of Digha (42901) and west of Haldia (42806) by 0000 UTC of 28th July 2026.

The estimated central pressure is 991 hPa. The associated maximum sustained wind speed is 30 kt gusting to 40 kt. Digha (42901) reported mean sea level pressure (MSLP) as 993.1 hPa with calm winds. Haldia (42206) reported MSLP as 993.4 hPa and MSW as 90^0/ 03 kt.

As per INSAT 3DS imagery at 1800 UTC of 27th July, 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, East Madhya Pradesh, Vidarbha, Telangana 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 X 10^{-6} s^{-1} over Northwest Bay of Bengal to the south of system centre. Vertically, it is extending upto 500 hPa level. The low level convergence is around 10X10^{-6} s^{-1} over westcentral BoB off Odisha coast and another over eastcentral BoB off Myanmar coast. Upper level divergence is around 10 X 10^{-6} s^{-1} over Westcentral and another zone of 20 X 10^{-6} s^{-1} over eastcentral BoB off Myanmar coast. 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 -4.0^0C to the southwest of system centre over Odisha coast and North Chhattisgarh & East Madhya Pradesh region. 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

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%

BoB and easterly wind anomaly (5-7 mps) over north BoB. The system is currently in a favourable environment.

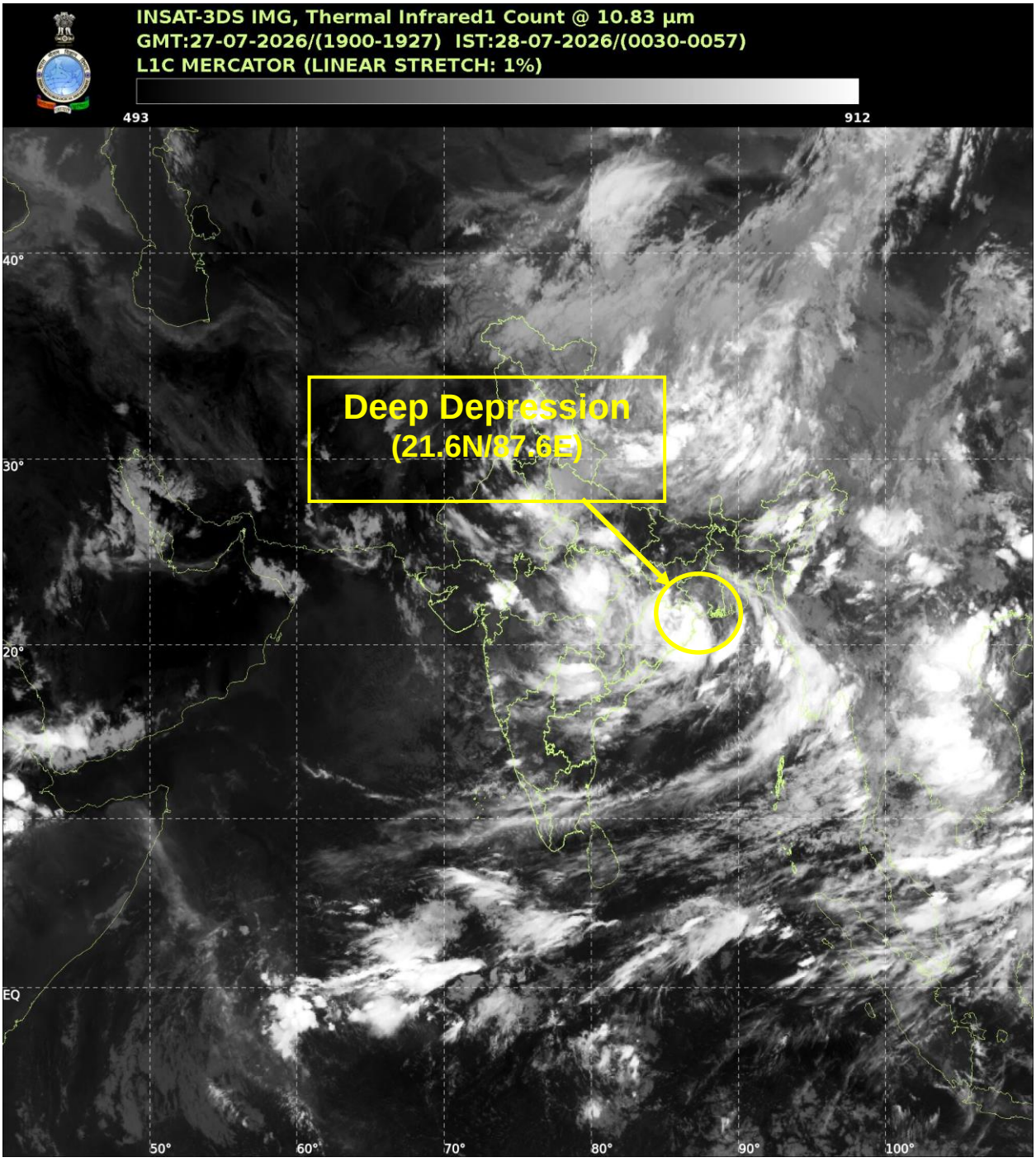
Guidance from numerical models:

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 around 2100 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: **Moderate**
Confidence Level in prediction of forecast intensity: **Moderate**

Considering all the above, the deep depression over northwest Bay of Bengal and adjoining area of West Bengal coast is very likely to move west-northwestwards and cross West Bengal-North Odisha coasts close to east of Digha (42901) and west of Haldia (42806) by 0000 UTC of, the 28th July 2026.

Shash Kant
RSMC, New Delhi



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 OF DEEP DEPRESSION OVER NORTHWEST BAY OF BENGAL CLOSE TO WEST BENGAL COAST BASED ON 1800 UTC (2330 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

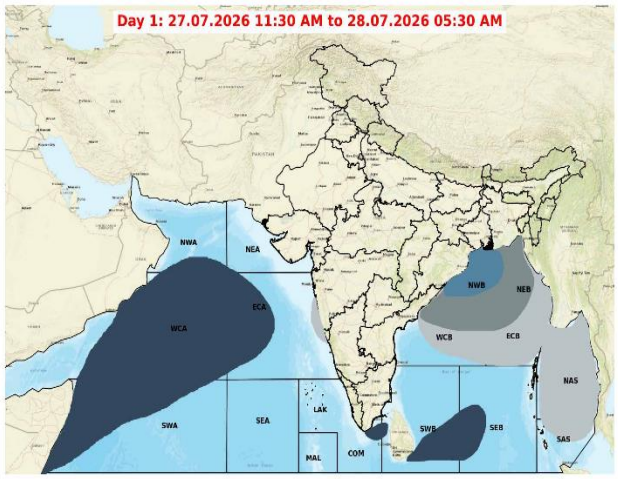
Forecast distance (km) and direction of the centre from nearest 5 coastal stations

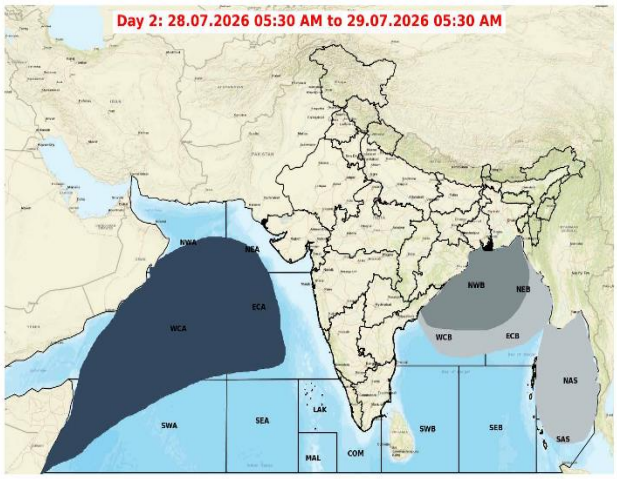
Forecast Date and Time	Lead Period (hrs)	Lat	Lon	Station 1	Station 2	Station 3	Station 4	Station 5
27.07.26/1200	0	21.6	87.6	CONTAI (30, SW)	SAGAR ISLAND (50, W)	HALDIA (70, SW)	BALASORE (70, E)	CANNING (130, WSW)

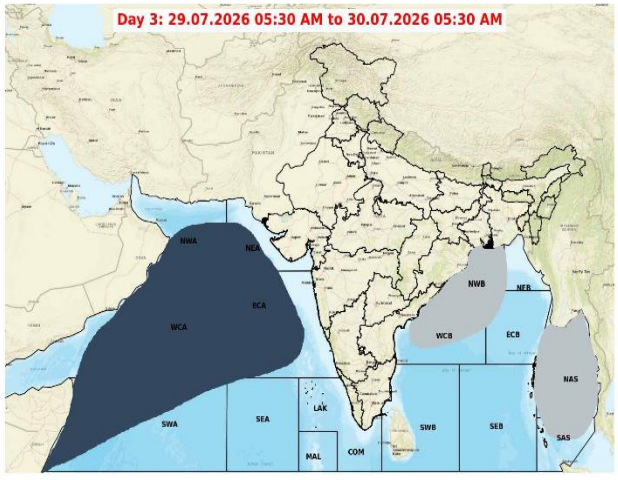
Cloud distribution: (a) Isolated: <25%, Scattered:25-50%, Broken: 51-75%, Solid:>75%, Convection Intensity: (a) Weak: Cloud Top Temperature(CTT)>-25°C, (b) Moderate: CTT:-25°Cto-40°C, (c) Intense: CTT: -41°Cto -70°C and (d) Very Intense::Less than -70°C Probability of cyclogenesis (formation of depression) :NIL:0%, LOW:1-33%, MODERATE:34-66% and HIGH:67-100%

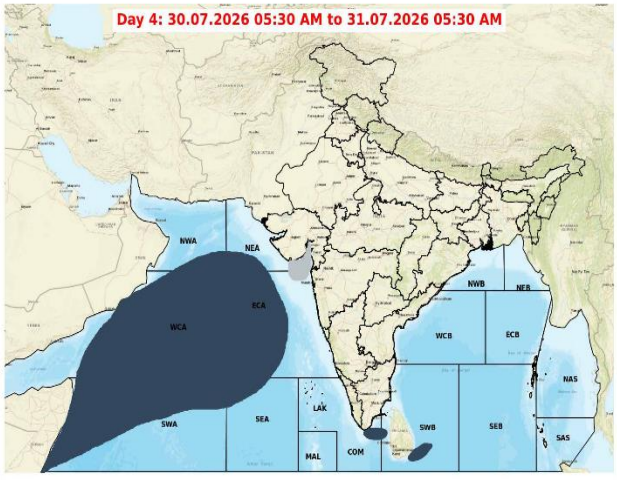
This is a guidance Bulletin for WMO/ESCAP Panel Member countries. Visit respective National websites for Country specific Bulletins.

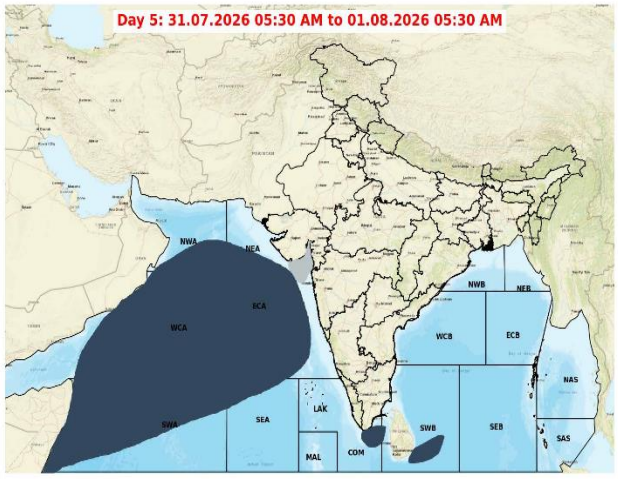
Fishermen Warning Graphics











Legend

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

Fishermen are advised not to venture into the marked areas.

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.