



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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 05.07.2026

SPECIAL TROPICAL WEATHER OUTLOOK FOR THE NORTH INDIAN OCEAN (THE BAY OF BENGAL OF AND THE ARABIAN SEA) VALID FOR THE NEXT 168 HOURS ISSUED AT 0900 UTC OF 05.07.2026 BASED ON 0600 UTC OF 05.07.2026.

Sub: 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 west-northwestwards with a speed of 7 kmph during past 3 hours and lay centred at 0600 UTC of today, the 5th July 2026, over the same region near latitude 21.2°N and longitude 87.0°E, about 40 km south of Balasore (42895), 50 km north-northeast of Chandbali (42973) and 70 km southwest of Digha (42901).

It is very likely to move west-northwestwards and cross North Odisha coast between Chandbali and Digha close to Balasore during next 12 hours. It is very likely to continue to move west-northwestwards, across North Odisha and North Chhattisgarh during subsequent 24 hours.

The associated estimated central pressure is 992 hPa and maximum sustained wind speed is 25 kt gusting to 35 kt. Digha (42901) reported mean sea level pressure (MSLP) of 992.7 hPa, maximum sustained wind speed (MSW) of 110⁰/ 03 kt, pressure change in past 24 hours (P24) of -1.8 hPa; Balasore (42895) reported MSLP of 992.6 hPa, MSW of 360⁰/ 02 kt, P24 of -1.8 hPa and Chandbali (42793) reported MSLP of 993.2 hPa, P24 of -0.8 hPa.

As per INSAT-3D(S) imagery, intensity of the system is T1.5. Scattered broken low and medium clouds with embedded intense to very intense convection lay over north & adjoining central Bay of Bengal, Odisha, southeast Jharkhand, Chhattisgarh, Gangetic West Bengal, South Bangladesh, Mizoram & Tripura (minimum cloud top temperature -70°C to -90°C).

REMARKS:

Ocean Heat content is 80-100 KJ/cm² over the northwest BoB. The low level vorticity is about 100-120 X 10⁻⁶ s⁻¹ over North Odisha coast and is extending upto 200 hPa level. The low level convergence is around 30X10⁻⁶ s⁻¹ over north coastal Odisha. Upper level divergence has decreased and is around 10 X 10⁻⁶ s⁻¹ over North Odisha. Vertical wind shear of horizontal wind is low to moderate 10-15 kt over the system area and along the predicted path. The guidance from NCICS model indicates the prevalence of westerly wind anomaly (7-9 mps) over south & adjoining central BoB, along with Equatorial Rossby wave (ERW), Kelvin wave (KW) & MJO and easterly wind anomaly (5-7 mps) over north & adjoining areas of central BoB, indicating a favourable environment for intensification of well marked low-pressure area over northwest BoB and adjoining Odisha-West Bengal coasts into a depression. Similar features are likely to continue during next 24 hours. Thereafter, similar favourable features are indicated as the system moves west-

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%

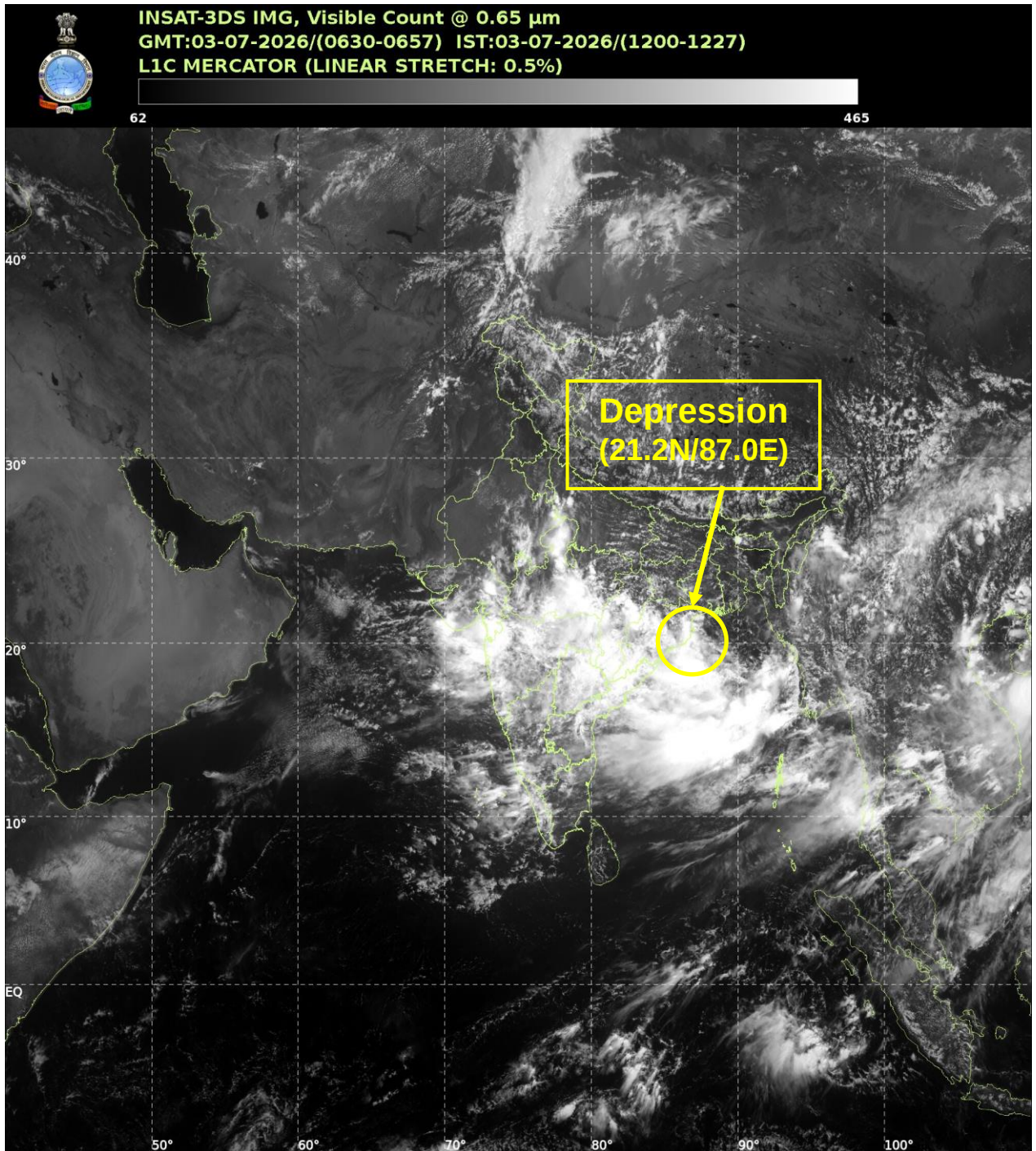
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northwestwards, indicating favourable environment for maintenance of intensity of the system during next 2-3 days. Under these favourable features, the well marked low pressure area over northwest Bay of Bengal & adjoining areas of North Odisha-West Bengal coasts concentrated into a depression over the same region.

Most of the numerical models including IMD GFS, NCEP GFS, ECMWF, NCUM are indicating depression over northwest Bay of Bengal and adjoining North Odisha-West Bengal coasts at 0000 UTC of 5th July. Models are indicating, the system to move slowly west-northwestwards and cross North Odisha coast during next 24 hours with NCUM showing crossing around 05/0600 UTC, ECMWF around 06/0000 UTC, NCEP GFS around 04/1800 UTC and IMD GFS over Odisha.coast at 05/0000 UTC.

Considering all the above the depression over northwest Bay of Bengal and adjoining areas of North Odisha- West Bengal coasts moved slowly west-northwestwards and is very likely to move west-northwestwards and cross North Odisha coast between Chandbali and Digha close to Balasore during next 12 hours. Thereafter, it is likely to continue to move further west-northwestwards across north Odisha and Chattisgarh during subsequent 24 hours.

(M. Sharma)
Scientist-E
RSMC New Delhi

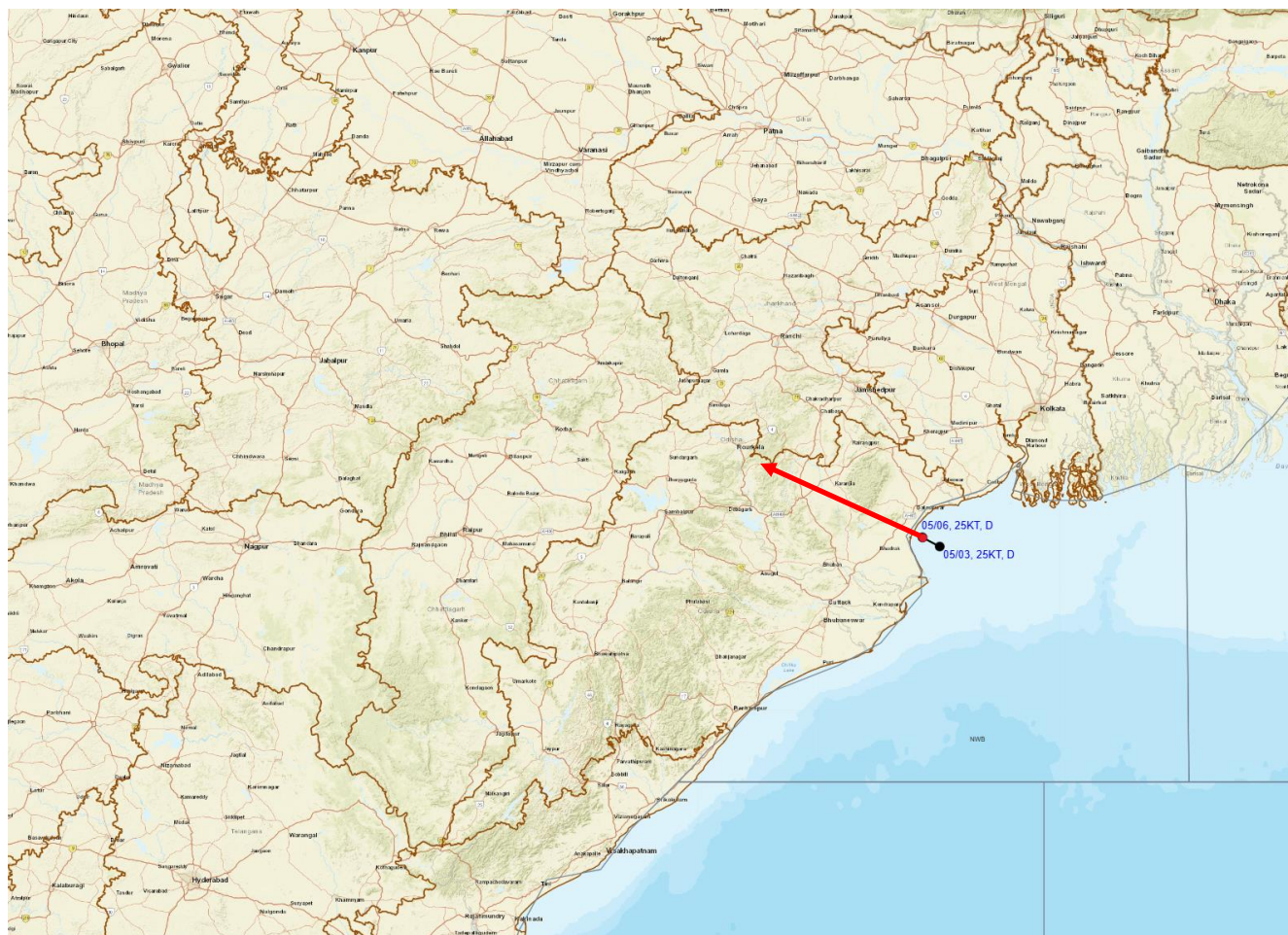


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OBSERVED AND FORECAST TRACK OF DEPRESSION OVER NORTHWEST BAY OF BENGAL AND ADJOINING AREAS OF NORTH ODISHA- WEST BENGAL COASTS BASED ON 0600 UTC (1130 Hrs. IST) OF 5TH JULY 2026



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
05.07.26/0600	0	21.2	87.0	BALASORE (40,S)	CHANDBALI (50,NNE)	DIGHA (70,SW)	CONTAI (80,SSE)	BARIPADA (100,SW)

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Flash Flood Guidance

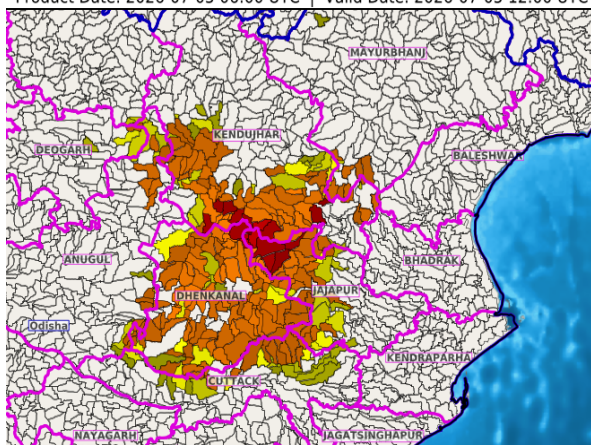
Persistent Flash Flood Threat (PFFT) till 1200 UTC of 05-07-2026 :

Low to Moderate flash flood threat likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 6 hours.

Odisha - Anugul, Cuttack, Deogarh, Dhenkanal, Jajapur, Kendujhar and Mayurbhanj districts.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 6 hours.

Product: PFFT | Timescale: 06-hr | Region: "REGIONAL"
Product Date: 2026-07-05 06:00 UTC | Valid Date: 2026-07-05 12:00 UTC



24 hours Outlook for the Flash Flood Risk (FFR) till 0600 UTC of 06-07-2026 :

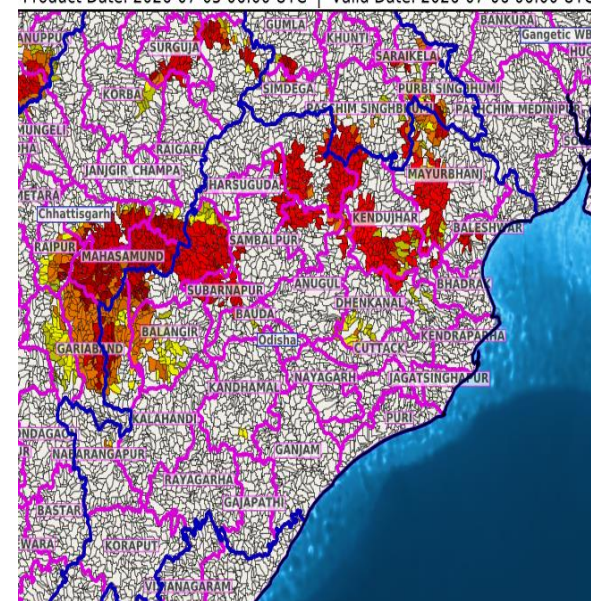
Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Chhattisgarh - Baloda Bazar, Dhamtari, Gariaband, Jashpur, Korba, Mahasamund, Raipur and Surguja districts.

Odisha - Anugul, Balangir, Baleshwar, Baragarh, Bhadrak, Deogarh, Dhenkanal, Jajapur, Kendujhar, Mayurbhanj, Sambalpur and Subarnapur districts.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 24 hours.

Product: GFS FFR | Timescale: 24-hr | Region: "INDIA"
Product Date: 2026-07-05 06:00 UTC | Valid Date: 2026-07-06 06:00 UTC

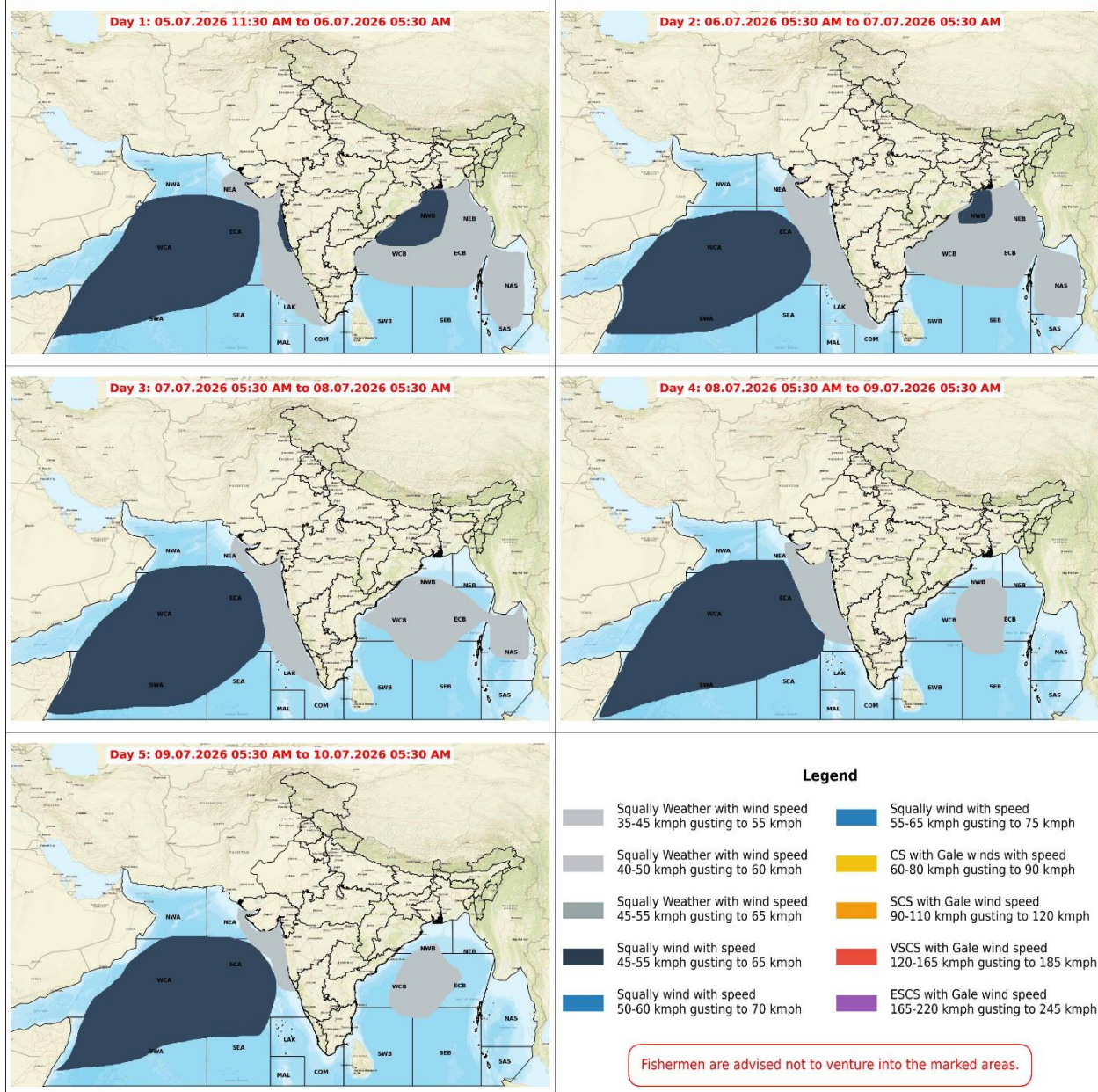


Flash Flood Threat	Flash Flood Risk
■ High Threat (Take Action)	■ High Risk (Take Action)
■ Moderate threat (Be Prepared)	■ Moderate Risk (Be Prepared)
■ Low Threat (Be Updated)	■ Low Risk (Be Updated)

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Fishermen Warning Graphics



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