



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 1500 UTC OF 05.07.2026 BASED ON 1200 UTC OF 05.07.2026.

Sub: :Depression over coastal areas of North Odisha and adjoining West Bengal

The depression over northwest Bay of Bengal and adjoining areas of North Odisha-West Bengal coasts moved west-northwestwards with a speed of 12 kmph during past 6 hours, crossed north Odisha coast close to Balasore (near 21.3°N/86.9°E) around 0900 UTC and lay centred at 1200 UTC of today, the 5th July 2026, over coastal areas of North Odisha and adjoining West Bengal, near latitude 21.6°N and longitude 86.5°E, about 50 km west-northwest of Balasore (Odisha), 50 km southwest of Baripada (42894), 100 km east of Keonjhar (42891) and 140 km south-southeast of Jamshedpur (42799).

It is very likely to move nearly west-northwestwards across North Odisha & adjoining south Jharkhand and North Chhattisgarh during next 24 hours.

The associated estimated central pressure is 991 hPa and maximum sustained wind speed is 20 kt gusting to 30 kt. Digha (42901) reported mean sea level pressure (MSLP) of 991.6 hPa, maximum sustained wind speed (MSW) of 215⁰/ 05 kt; Balasore (42895) reported MSLP of 991.9 hPa and Baripada (42894) reported MSLP of 991.8 hPa & pressure change in past 24 hours (P24) of -1.8 hPa. Jamshedpur (42799) reported MSLP of 991.8 hPa and P24 of -1.2 hPa. Keonjhar (42891) reported P24 of -1.1 hPa

As per INSAT-3D(S) imagery, intensity of the system is T1.5. Scattered to broken low and medium clouds with embedded intense to very intense convection lay over north & adjoining central Bay of Bengal, Odisha, South Jharkhand, 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 the same in past 6 hours and is around 30X10⁻⁶ s⁻¹ over north coastal Odisha. Upper level divergence is the same 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. This favourable environment led to the intensification of well marked low-pressure area over northwest BoB and adjoining Odisha-West Bengal coasts into a depression at 0300 UTC of 5th July.

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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Similar favourable features are indicated as the system moves west-northwestwards, indicating favourable environment for maintenance of intensity of the system during next 24 hours.

Guidance from numerical models:

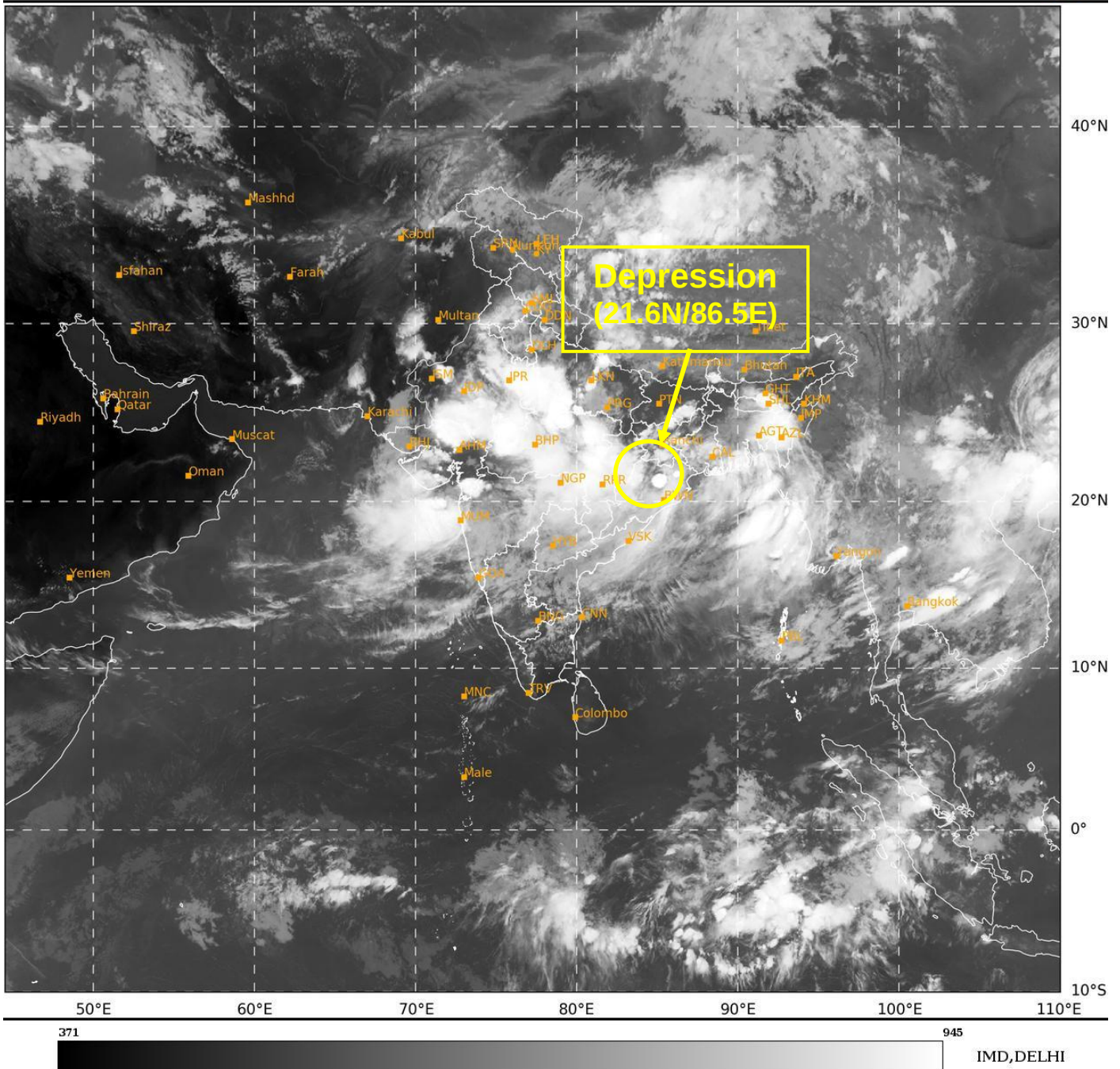
ECMWF is indicating nearly west-northwestwards movement during next 24 hours with weakening trend. However, as it moves west-northwestwards, it indicates re-intensification into a depression on 7th July and gradual northeastwards re-curvature on 9th July. However, GFS group and NCUM are indicating gradual weakening of system while moving west-northwestwards till 8th July.

Considering all the above the depression over coastal areas of North Odisha and adjoining West Bengal is very likely to move nearly west–northwestwards across North Odisha & adjoining south Jharkhand and North Chhattisgarh during next 24 hours.

(D.R. Pattanaik)
Scientist-G
Head RSMC New Delhi

SAT : INSAT-3DR IMG
 IMG_TIR1 10.8 um
 L1C Mercator

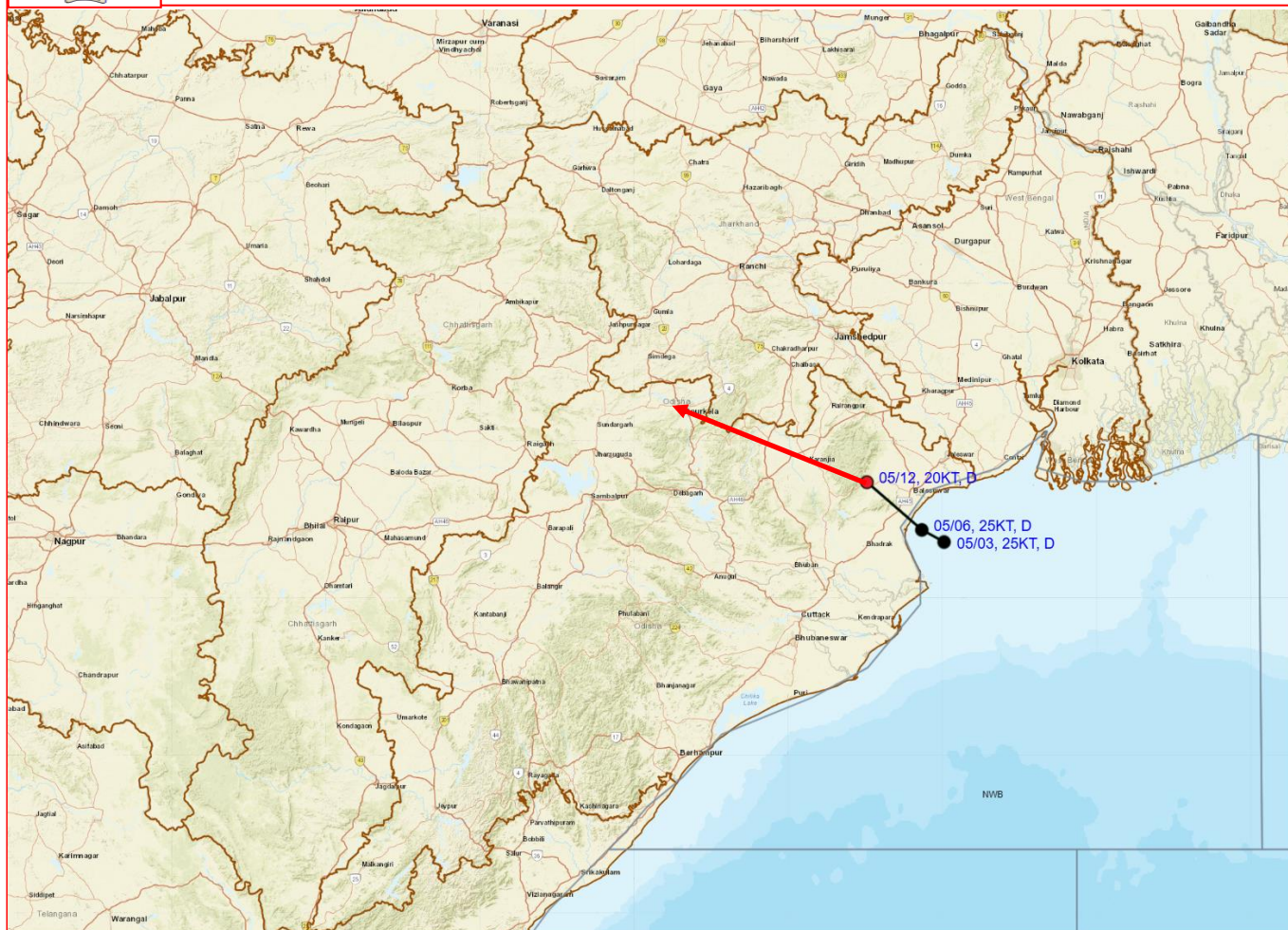
05-07-2026/(1345 to 1412) GMT
 05-07-2026/(1915 to 1942) IST



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OBSERVED AND FORECAST TRACK OF DEPRESSION OVER COASTAL AREAS OF NORTH ODISHA AND ADJOINING WEST BENGAL BASED ON 1200 UTC (1730 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 4 coastal stations

Forecast Date and Time	Lead Period	Lat	Lon	Station 1	Station 2	Station 3	Station 4
05.07.26/1200	0	21.6	86.5	BALASORE (50,WNW)	BARIPADA (50,SW)	KEONGJHARGARH (100,E)	JAMSHEDPUR (140,SSE)

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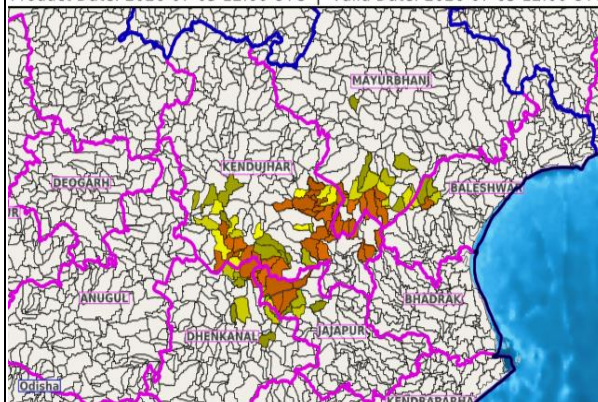
Flash Flood Guidance

Observed Flash Flood Threat (IFFT) till 1730 IST of 05-07-2026:

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

Odisha - Baleshwar, Dhenkanal, Jajapur, Kendujhar and Mayurbhanj districts.

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



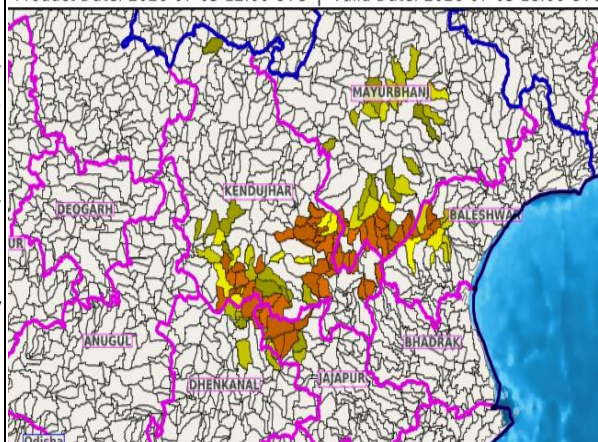
Persistent Flash Flood Threat (PFFT) till 2330 IST of 05-07-2026:

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

Odisha - Baleshwar, 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 12:00 UTC | Valid Date: 2026-07-05 18:00 UTC



24 hours Outlook for the Flash Flood Risk (FFR) till 1730 IST of 06-07-2026 :

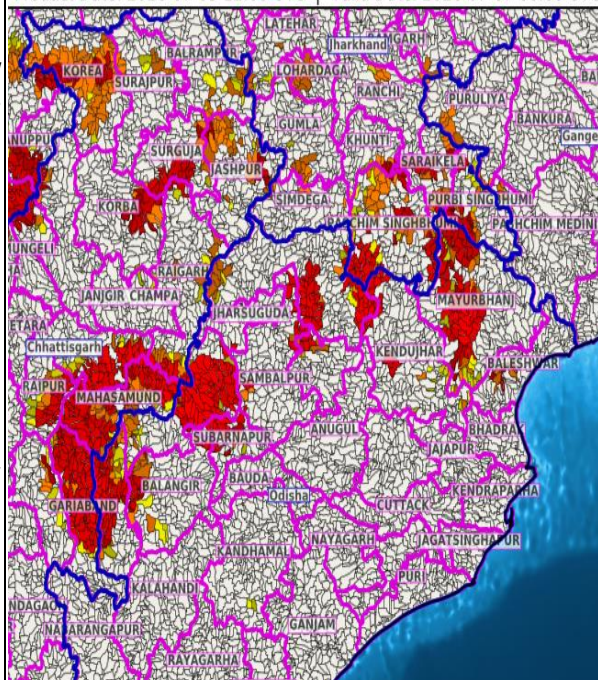
Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Chhattisgarh - Baloda Bazar, Bilaspur, Dhamtari, Gariaband, Jashpur, Kabirdham, Korba, Korea, Mahasamund, Mungeli, Raipur, Rajnandgaon and Surguja districts.

Odisha - Balangir, Baleshwar, Baragarh, Deogarh, Jharsuguda, Kendujhar, Mayurbhanj, Nuapara, Sambalpur, Subarnapur and Sundargarh 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: 36-hr | Region: "REGIONAL"
Product Date: 2026-07-05 12:00 UTC | Valid Date: 2026-07-07 00:00 UTC

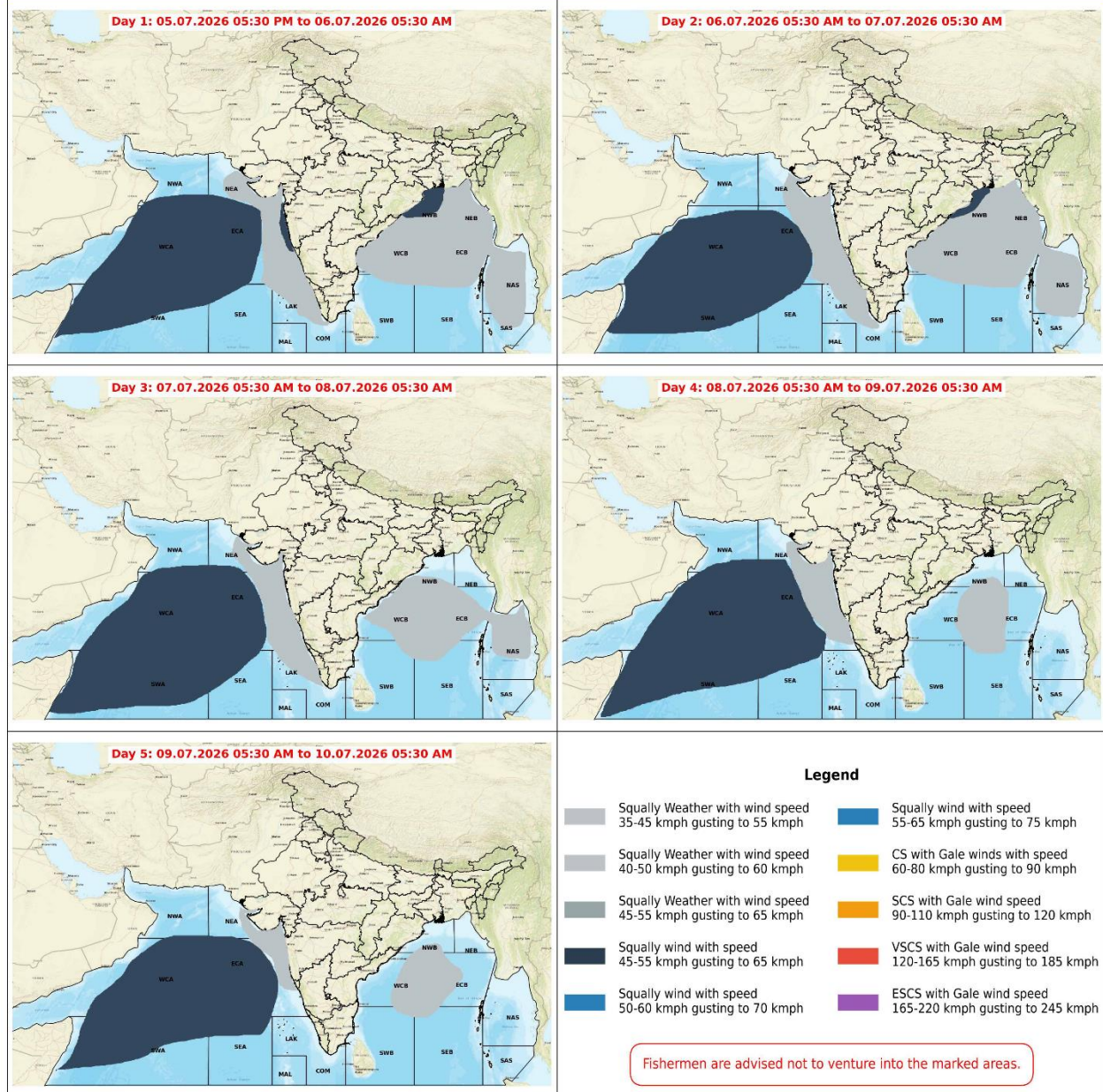


Flash Flood Threat	Flash Flood Risk
■ High Threat (Take Action)	■ High Risk (Take Action)
■ Moderate threat (Be Prepared)	■ Moderate Risk (Be Prepared)
■ Low Threat (Be Updated)	■ Low Risk (Be Updated)

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Fishermen Warning Graphics



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