



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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 25.07.2025

**SPECIAL TROPICAL WEATHER OUTLOOK FOR THE NORTH INDIAN OCEAN (THE BAY OF BENGAL OF BENGAL AND THE ARABIAN SEA) VALID FOR THE NEXT 168 HOURS ISSUED AT 0400 UTC OF 25.07.2025 BASED ON 0000 UTC OF 25.07.2025.**

### BAY OF BENGAL:

Yesterday's low pressure area over North Bay of Bengal lay as a well marked low pressure area over the same region at 1200 UTC of same day, the 24<sup>th</sup> July, 2025. It moved slowly west-northwestwards, concentrated into a Depression and lay centred at 0000 UTC of today, the 25<sup>th</sup> July over Northwest Bay of Bengal and adjoining areas of coastal West Bengal and Bangladesh near Lat. 21.4°N and Long. 89.5°E, about 130 km south of Mongla (Bangladesh, 41958), about 150 km east-southeast of Sagar Island (West Bengal, 42903), about 170 km southeast of Kolkata (West Bengal, 42807).

It is very likely to move west-northwestwards and cross West Bengal and adjoining Bangladesh coasts around 0600 UTC of today, the 25 July 2025. Thereafter, it is likely to continue to move west-northwestwards across Gangetic West Bengal and adjoining North Odisha and Jharkhand during subsequent 24 hours.

Associated scattered to broken low and medium clouds with embedded intense to very intense convection lay over Odisha, Gangetic West Bengal, coastal Andhra Pradesh, South Bangladesh and north & central Bay of Bengal. The minimum cloud top temperature is minus 70 to 90 deg. Celsius.

The associated maximum sustained wind speed is 25 kt gusting to 35 kt. The estimated central pressure is 990 hPa.

### Wind Warning:

Squally wind speed reaching 40-50 kmph gusting to 60 kmph is prevailing over north Bay of Bengal, along & off Odisha, West Bengal and Bangladesh coasts and is likely to continue for next 24 hours. Squally wind speed reaching 30-40 kmph gusting to 50 kmph is likely over West Bengal, Jharkhand, and North Odisha during next 24 hours.

### Sea Condition:

**Sea condition is very likely to be rough to very rough over** north Bay of Bengal and along & off Odisha, West Bengal and Bangladesh coasts during next 24 hours.

### Fishermen Warning:

Fishermen are advised not to venture into north Bay of Bengal, along & off Odisha, West Bengal and Bangladesh coasts for next 24 hours.

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°Cand(d)Very Intense::Less than -70°C  
PROBABILITYOFCYCLOGENESIS(FORMATIONOFDEPRESSION):NIL:0%,LOW:1-33%,MODERATE:34-66%ANDHIGH:67-100%  
ThisisaguidanceBulletinforWMO/ESCAPPanelMembercountries.VisitrespectiveNationalwebsitesforCountryspecificBulletins

## REMARKS:

Madden Julian Oscillation (MJO) is currently in phase 7 with an amplitude greater than 1. Most of the model forecasts have a consensus and suggest that the MJO is likely to propagate eastwards across phase 7 with decreasing amplitude during next 3 days. Thus, MJO is not likely to support cyclogenesis over BoB.

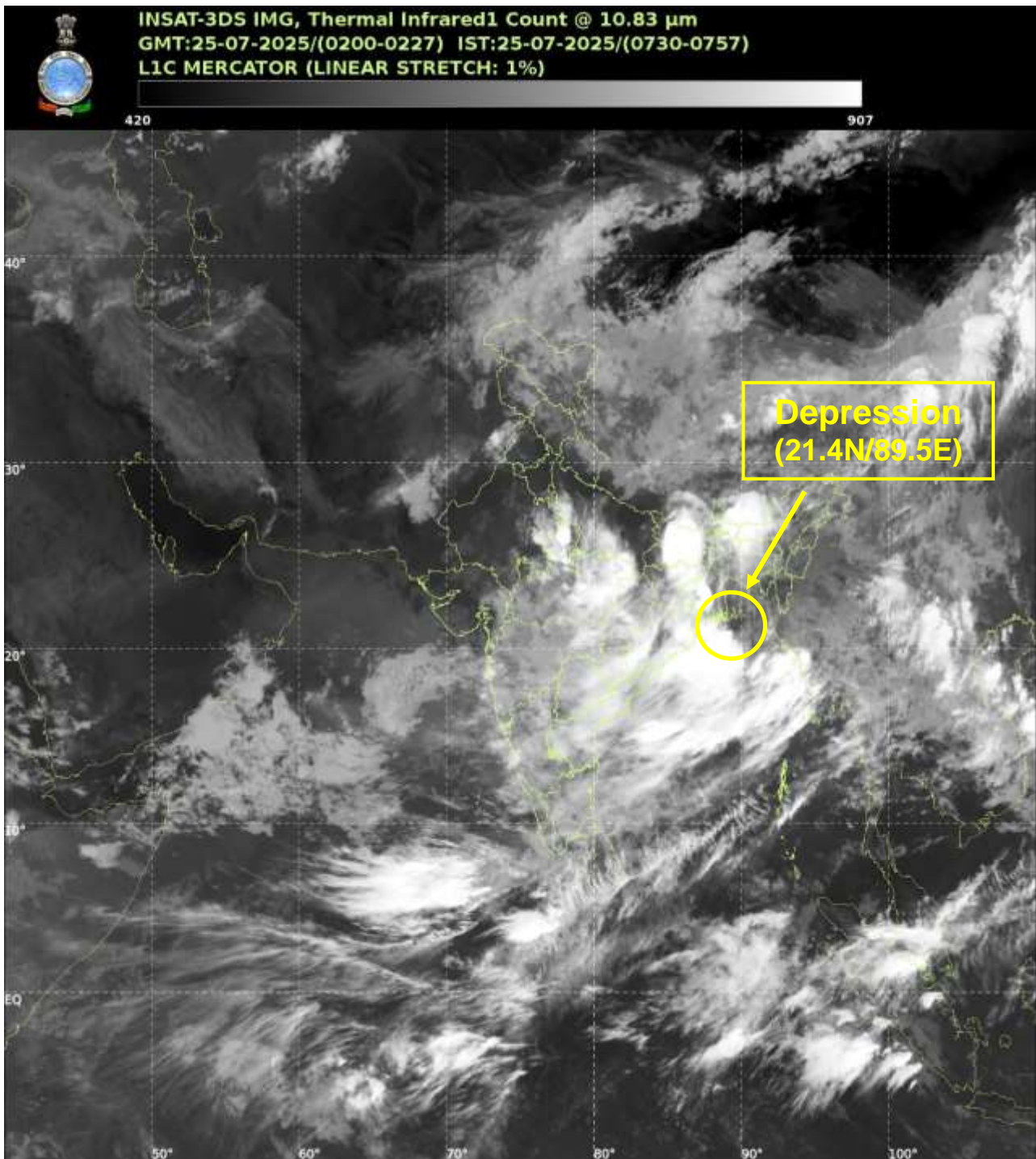
The guidance from the NCICS CFS model indicates the prevalence of strong westerly wind anomaly (5-7 mps) over the south Bay of Bengal (BoB). The easterly wind anomaly (3-5 mps) is likely over the northern parts of BoB and east India. Model is also indicating prevalence of Equatorial Rossby waves (ERW) over central BoB and Kelvin wave over north BoB. Equatorial waves will support convective activity over the BoB and eastern parts of India.

The environmental conditions are favourable with positive low level vorticity around  $100 \times 10^{-5} \text{ s}^{-1}$  over northeast BoB with vertical extension upto 200 hPa level, positive low level convergence around  $15\text{-}20 \times 10^{-5} \text{ s}^{-1}$  to the southeast of system centre over Myanmar & adjoining eastcentral BoB, positive upper level divergence (around  $5\text{-}10 \times 10^{-5} \text{ s}^{-1}$ ) over north and central BoB and moderate vertical wind shear (15-20 kt) over the system area and along the predicted path.

Most of the models are indicating west-northwestwards movement of the system across Gangetic West Bengal, and adjoining North Odisha and Jharkhand during subsequent 24 hours.

Under the influence of above features, yesterday's well-marked low pressure area over the north Bay of Bengal moved west-northwestwards and concentrated into a Depression over Northwest Bay of Bengal and adjoining areas of coastal West Bengal and Bangladesh at 0000 UTC of today, the 25th July. It is very likely to move west-northwestwards and cross West Bengal and adjoining Bangladesh coasts around 0600 UTC of today, the 25 July 2025. Thereafter, it is likely to continue to move west-northwestwards across Gangetic West Bengal and adjoining North Odisha and Jharkhand during subsequent 24 hours.

Monica Sharma  
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RSMC New Delhi



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**OBSERVED AND FORECAST TRACK OF DEPRESSION OVER NORTHWEST BAY OF BENGAL AND ADJOINING AREAS OF COASTAL WEST BENGAL AND BANGLADESH AT 0530 HRS. IST (0000 UTC) OF 25<sup>th</sup> JULY 2025**



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 (48-63 KT)  
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)  
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)  
SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

1KT=1.85 KMPH

- LESS THAN 34 KT
- 34-47 KT
- ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- ▲ CONE OF UNCERTAINTY

## Flash Flood Guidance

### 24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 26-07-2025 :

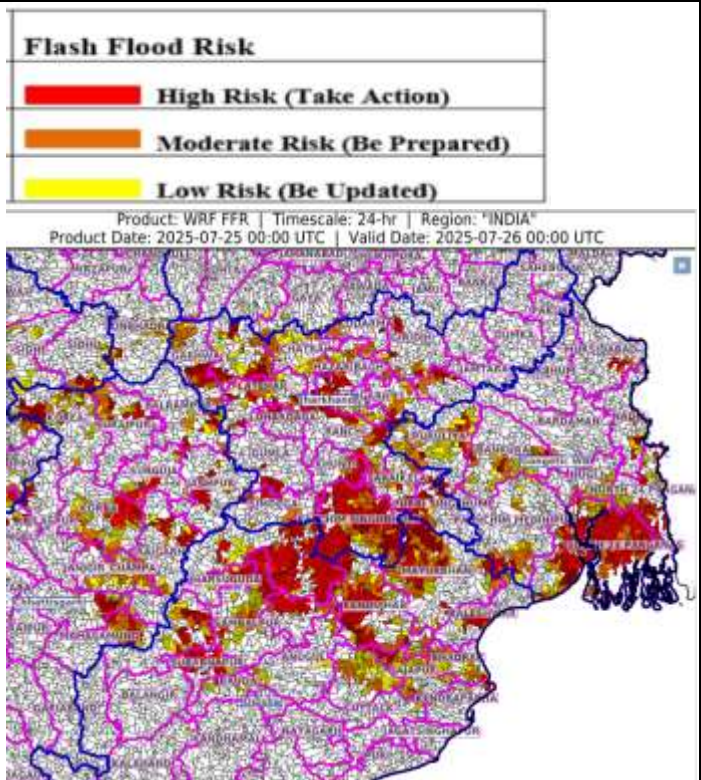
Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

**Chhattisgarh** – Balarampur, Baloda Bazar, Bilaspur, Janjgir Champa, Jashpur, Korba, Korea, Mahasamund, Mungeli, Raigarh, Surajpur and Surguja districts.

**Jharkhand** – Garhwa, Palamu, Latehar, Lohardaga, Gumla, Simdega, Khunti, Ranchi, Ramgarh, Bokaro, Pashchim Singhbhum, Purbi Singhbhum, Saraikela, Chatra, Giridih, Dhanbad and Hazaribagh districts.

**Odisha** – Anugul, Baleshwar, Baragarh, Bauda, Bhadrak, Cuttack, Kendraparha, Deogarh, Dhenkenal, Jajapur, Jharsuguda, Kendujhar, Mayurbhanj, Sambalpur and Subarnapur districts.

**Gangetic West Bengal** - Eastmednipur, Haora, North 24 Pragana, Pashchim Medinipur, Puruliya, Bankura, Mursidabad, Nadia and South 24 Parganas districts.



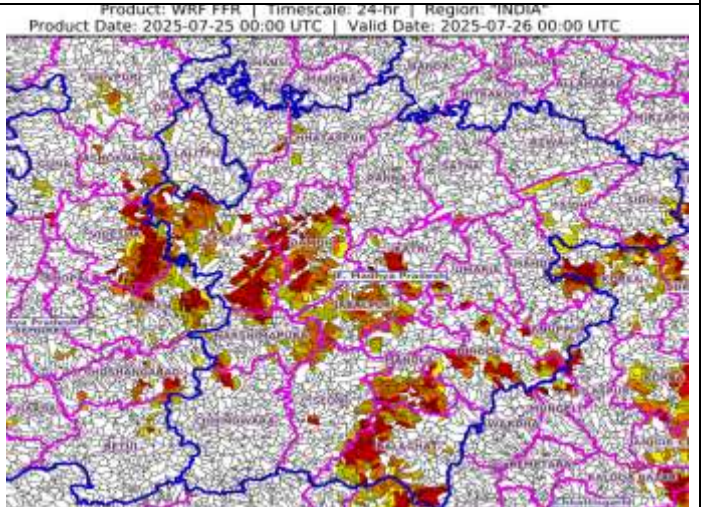
### 24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 26-07-2025:

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

**East Madhya Pradesh** – Anuppur, Balaghat, Chhatarpur, Chhindwara, Damoh, Dindori, Jabalpur, Katni, Mandla, Narshimpura, Panna, Rewa, Sagar, Tikamgarh, Satna, Seoni, Shahdol, Sidhi and Umaria districts.

**Adjoining West Madhya Pradesh** - Ashoknagar, Guna, Raisen, Shivpuri, Narmadapuram, Betul and Videsha 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.





## Fishermen Warning Graphics

