



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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 06.07.2026

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 0700 UTC OF 06.07.2026 BASED ON 0300 UTC OF 06.07.2026.

Sub: Depression over south Jharkhand and adjoining north interior Odisha

The depression over south Jharkhand and adjoining north interior Odisha moved west-northwestwards with a speed of 15 kmph during past 6 hours, and lay centred at 0300 UTC of today, the 6th July 2026, over the same region near latitude 22.7°N and longitude 85.1°E, about 60 km north-northeast of Rourkela (42793), 70 km of south-southwest of Ranchi (42701), 100 km east-southeast of Jashpurnagar (42790) and 180 km southeast of Daltonganj (42587).

It is very likely to move nearly northwestwards across Jharkhand, North Chhattisgarh and adjoining east Madhya Pradesh during next 24 hours.

The associated estimated central pressure is 994 hPa and maximum sustained wind speed is 20 kt gusting to 30 kt. Jamshedpur (42901) reported mean sea level pressure (MSLP) of 994.4 hPa, maximum sustained wind speed (MSW) of 230⁰/ 02 kt & pressure change in past 24 hours (P24) of -0.1 hPa; Ranchi (42701) reported MSLP of 994.7 hPa, & P24 of -0.5 hPa; and Daltonganj (42587) reported MSLP of 995.1 hPa, MSW of 90⁰/ 02 kt.

As per INSAT-3D(S) imagery, scattered to broken low and medium clouds with embedded intense to very intense convection lay over Odisha, Jharkhand, Gangetic West Bengal, Coastal Andhra Pradesh, Telangana and Rayalaseema (minimum cloud top temperature -70°C to -90°C).

REMARKS:

The low level vorticity is about $100-120 \times 10^{-6} \text{ s}^{-1}$ over North Odisha and adjoining Chhattisgarh and is extending upto 500 hPa level. The low level convergence has decreased in past 3 hours and is around $10 \times 10^{-6} \text{ s}^{-1}$ over north interior Odisha and adjoining Jharkhand. Upper level divergence has decreased in past 6 hours and is around $10 \times 10^{-6} \text{ s}^{-1}$ over the system area. Vertical wind shear of horizontal wind is low 05-10 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) along with Equatorial Rossby wave (ERW), Kelvin wave (KW) & MJO over central BoB & adjoining central India and easterly wind anomaly (5-7 mps) over eastern parts of India. Similar favourable features are indicated as the system moves west-northwestwards, indicating favourable environment for maintenance of intensity of the system during next 48 hours.

Guidance from numerical models:

ECMWF is indicating nearly west-northwestwards movement across Jharkhand & adjoining North Odisha and North Chhattisgarh with weakening trend till 7th midnight (1800 UTC). However, as it moves west-northwestwards subsequently, it is likely to re-intensify into a depression over central

parts of Uttar Pradesh around 8th July morning. Model is further indicating gradual east-northeastwards re-curvature on 9th July. However, GFS group and NCUM are indicating gradual weakening of system during next 24 hours and west-northwestwards till 9th July.

Considering all the above the depression over south Jharkhand and adjoining north interior Odisha is very likely to move nearly northwestwards across Jharkhand, North Chhattisgarh and adjoining east Madhya Pradesh during next 24 hours..

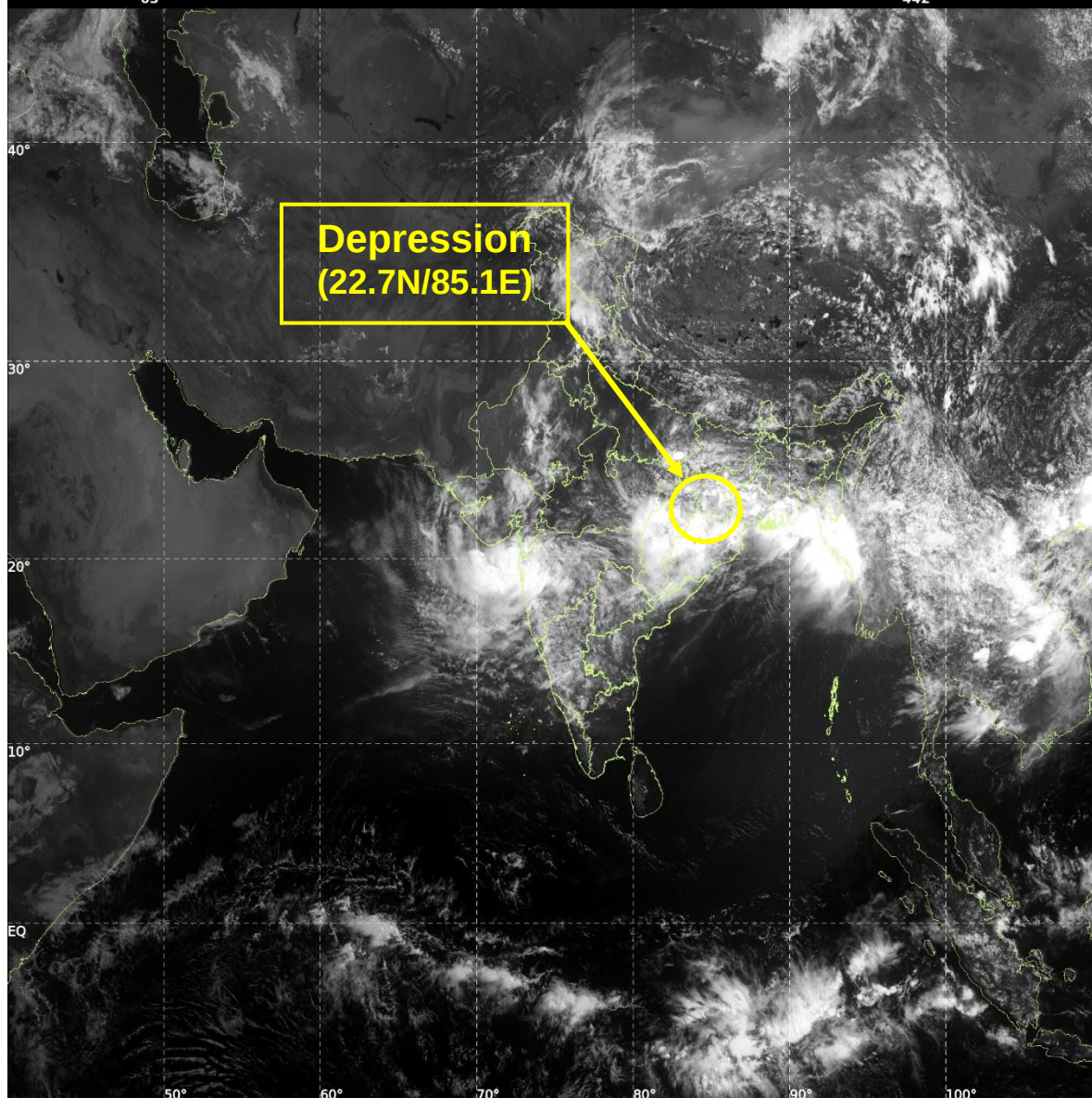
(Monica Sharma)
Scientist-E
RSMC New Delhi



INSAT-3DS IMG, Visible Count @ 0.65 μm
GMT:06-07-2026/(0500-0527) IST:06-07-2026/(1030-1057)
LIC MERCATOR (LINEAR STRETCH: 0.5%)

63

442





OBSERVED AND FORECAST TRACK OF DEPRESSION OVER SOUTH JHARKHAND & ADJOINING NORTH-INTERIOR ODISHA BASED ON 0300 UTC (0830 Hrs. IST) OF 6TH 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

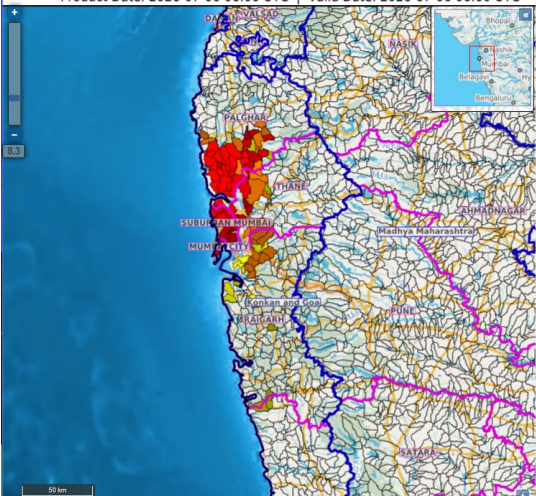
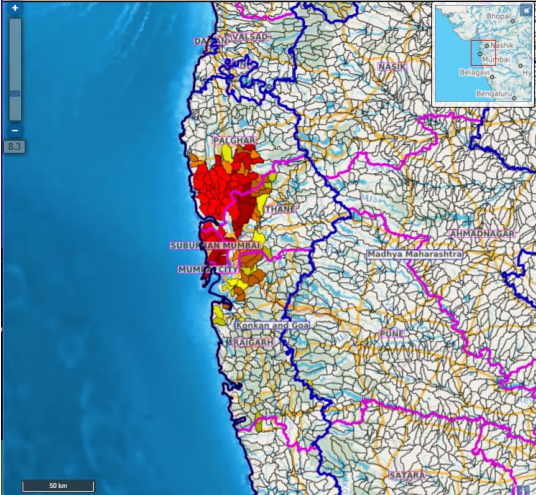
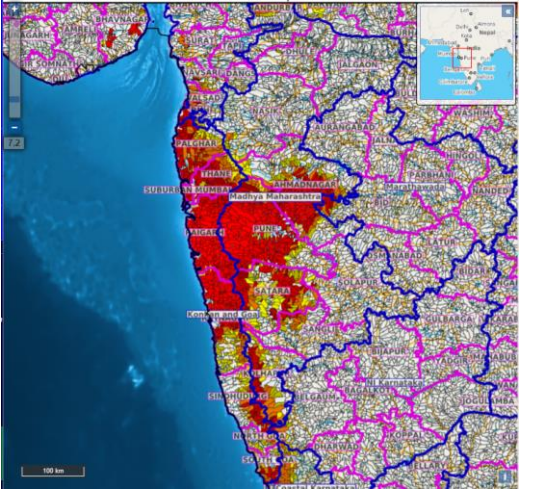
Forecast distance (km) and direction of the centre from nearest 4 coastal stations

Forecast Date and Time	Lead Period	Lat	Lon	Station 1	Station 2	Station 3	Station 4
06.07.26/0300	24	22.7	85.1	ROURKELA (60,NNE)	MO RANCHI (70,SSW)	JASHPURNAGAR (100,ESE)	DALTONGANJ (180,SE)

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.

Flash Flood Guidance

Observed Flash Flood Threat (IFFT) till 1130 IST of 06-07-2026 : Low to Moderate flash flood threat observed over few watersheds & neighbourhoods of following Met Sub-divisions during last 6 hours. Konkan & Goa - Mumbai City, Suburban Mumbai, Palghar, Thane, Ratnagiri, Raigarh districts.	Product: IFFT Timescale: 06-hr Region: "REGIONAL" Product Date: 2026-07-06 06:00 UTC Valid Date: 2026-07-06 06:00 UTC 
Persistent Flash Flood Threat (PFFT) till 1730 IST of 06-07-2026 : Low to Moderate flash flood threat likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 6 hours. Konkan & Goa - Mumbai City, Suburban Mumbai, Palghar, Thane, Ratnagiri, Raigarh 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: 2026-07-06 06:00 UTC Valid Date: 2026-07-06 12:00 UTC 
24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 07-07-2026 : Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours. Konkan & Goa - Mumbai City, Palghar, Raigarh, Ratnagiri, Suburban Mumbai and Thane districts. Madhya Maharashtra - Ahmadnagar, Kohlapur, Pune, Sangli and Satara districts. Gujarat Region - Valsad, Navsari, Surat 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: "REGIONAL" Product Date: 2026-07-06 06:00 UTC Valid Date: 2026-07-07 06:00 UTC 

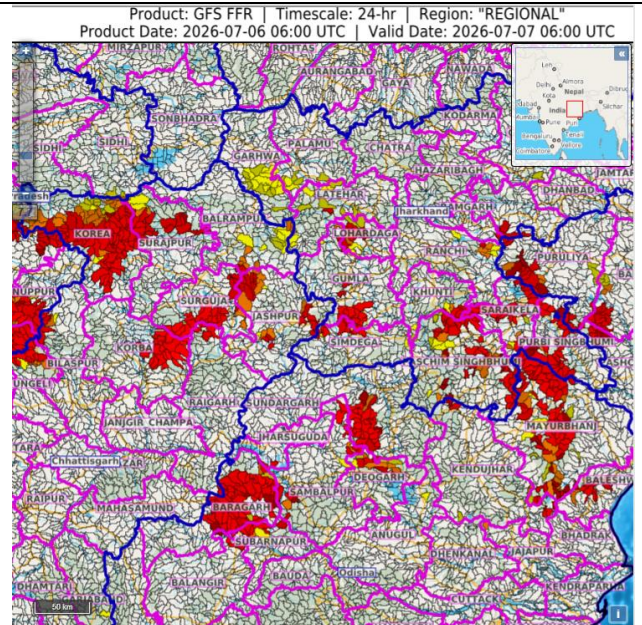
24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 07-07-2026 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours. Jharkhand- Purbi Singhbhum, Saraikela, Paschim Singhbhum, Khunti, Gumla, Simdega districts.

Chhattisgarh - Jashpur, Surguja, Surajpur, Korea, Korba, districts.

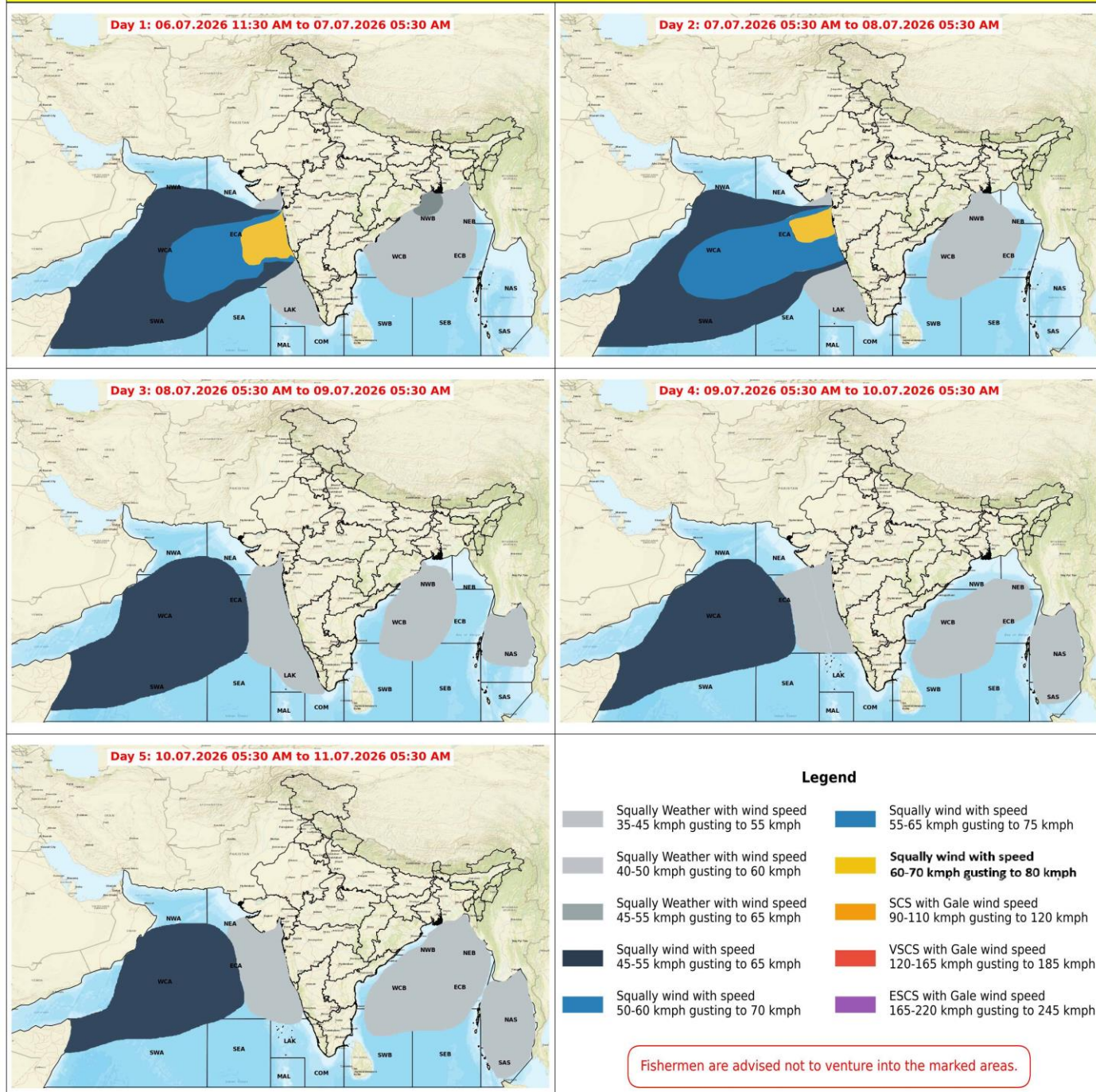
Odisha - Mayurbhanj, Sundargarh, Deogarh, Baragarh, Sambalpur districts.

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.



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)

Fishermen Warning Graphics



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°C to -40°C, (c) Intense: CTT: -41°C to -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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