



India Meteorological Department

(Ministry of Earth Sciences)

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Sub: Depression over north Chhattisgarh & neighbourhood

The Depression over north Chhattisgarh and neighbourhood moved west-northwestwards with a speed of 17 kmph during past 6 hours and lay centred at 0830 hours IST of 03rd August, 2023 over the same region near latitude 23.5°N and longitude 83.1°E, about 40 km north-northwest of Ambikapur (Chhattisgarh) and 160 km south-southeast of Sidhi (East Madhya Pradesh).

It is likely to move west-northwestwards towards northeast Madhya Pradesh and adjoining southeast Uttar Pradesh and weaken into a Well Marked Low Pressure Area during next 12 hours.

Realized Rainfall on 2nd August, 2023:

24 hours accumulated heavy rainfall (≥ 7 cm) during 0830 hrs IST of 2nd to 0830 hrs IST of 3rd August is placed at [Annexure-I](#)

Warnings:

(i) Rainfall warning:

East Madhya Pradesh: Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places on 3rd & 4th and isolated extremely heavy rainfall on 3rd August. Heavy rainfall at isolated places is likely on 5th August.

West Madhya Pradesh: Light to moderate rainfall at most places with heavy to extremely heavy rainfall at isolated places on 3rd August. Heavy rainfall at isolated places is likely on 4th August.

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.

Chhattisgarh: Light to moderate rainfall at most places with isolated heavy to very heavy rainfall over north Chhattisgarh on 3rd and heavy rainfall at isolated places on 4th August.

South Uttar Pradesh: Light to moderate rainfall at most places with isolated heavy rainfall during 3rd to 6th August.

Vidharbha: Light to moderate rainfall at most places with isolated heavy rainfall on 3rd August.

(v) Damage Expected over north Chhattisgarh, Madhya Pradesh, Vidarbha and south Uttar Pradesh

- Minor damage to loose / unsecured structures.
- Some breaches in Kutcha road due to flooding.
- Damage to standing agriculture & horticulture crops.
- Minor damage to Kutcha embankments.

The next bulletin will be issued at 1430 hrs IST of 3rd August, 2023.

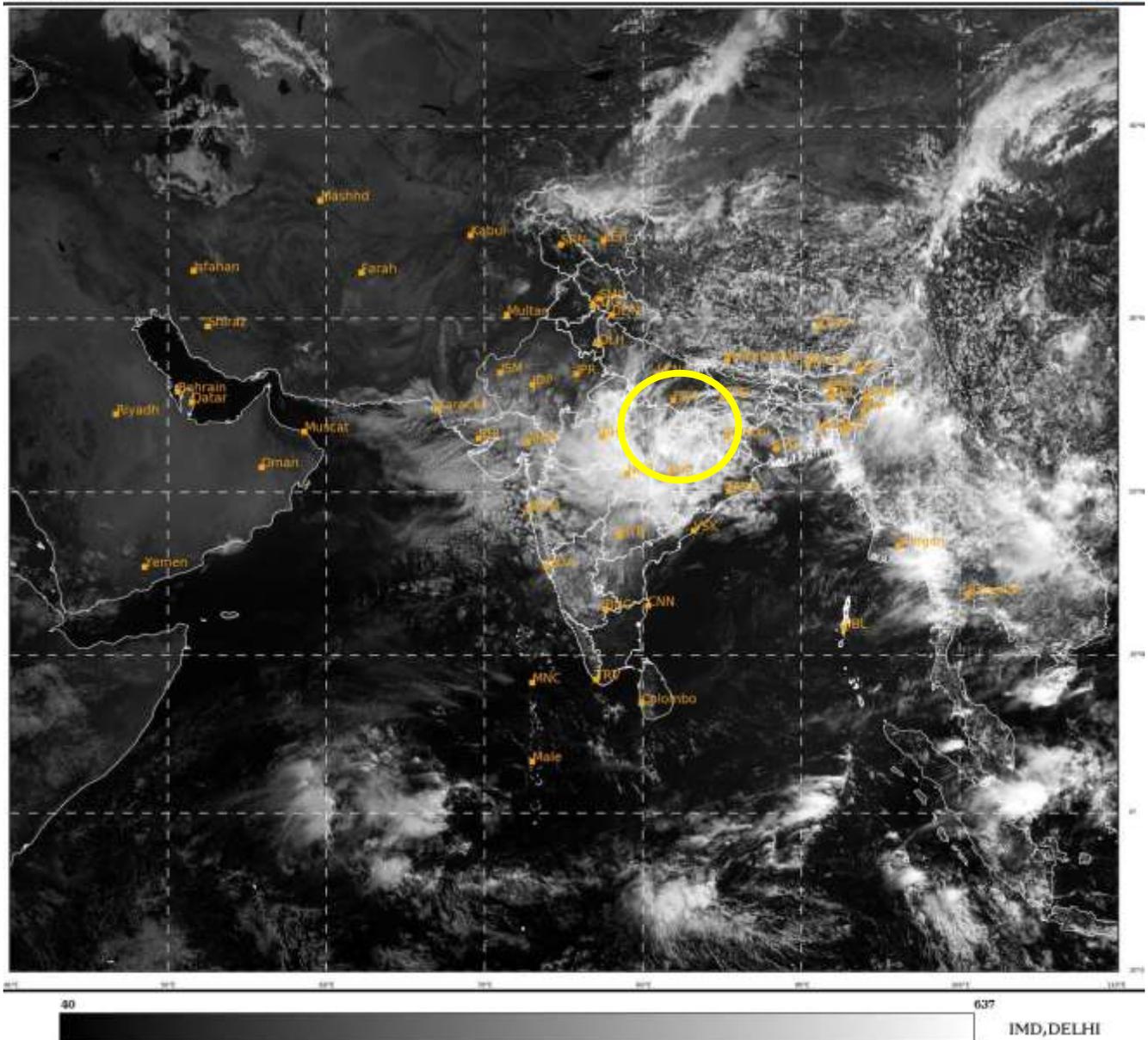
**(Ananda Kumar Das)
Scientist-F, RSMC, New Delhi**

Copy to: CRS, Pune/ACWC Kolkata/Chennai/CWC Bhubaneswar/CWC Visakhapatnam/MO Port Blair

Depression (23.5°N, 83.1°E)

SAT : INSAT-3DR IMG
Visible Count 0.65 um
LIC Mercator

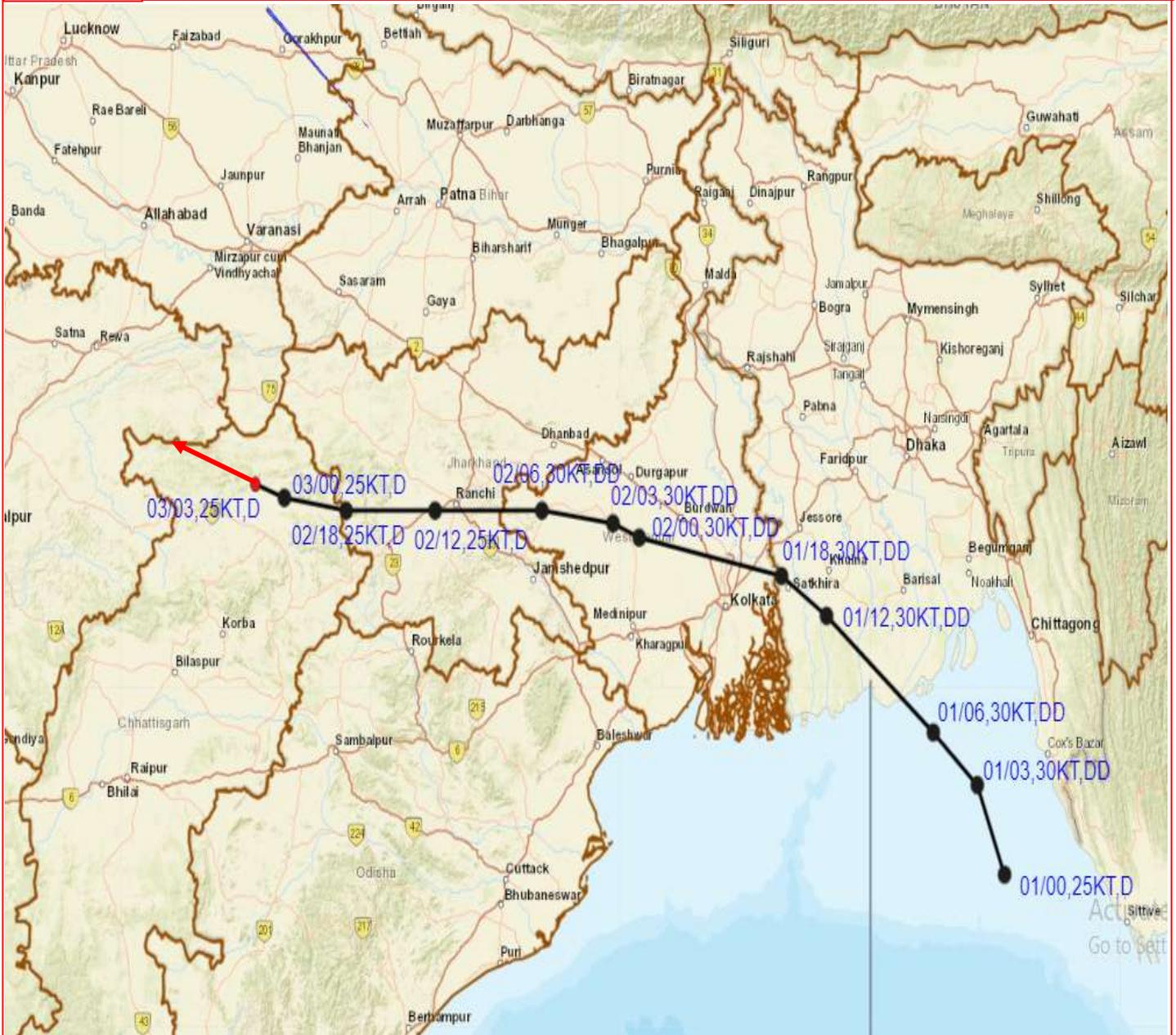
03-08-2023/(0445 to 0512) GMT
03-08-2023/(1015 to 1042) IST



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Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.



OBSERVED AND FORECAST TRACK OF DEPRESSION OVER NORTH CHHATTISGARH BASED ON 0300 UTC (0830 IST) OF 03RD AUGUST 2023.

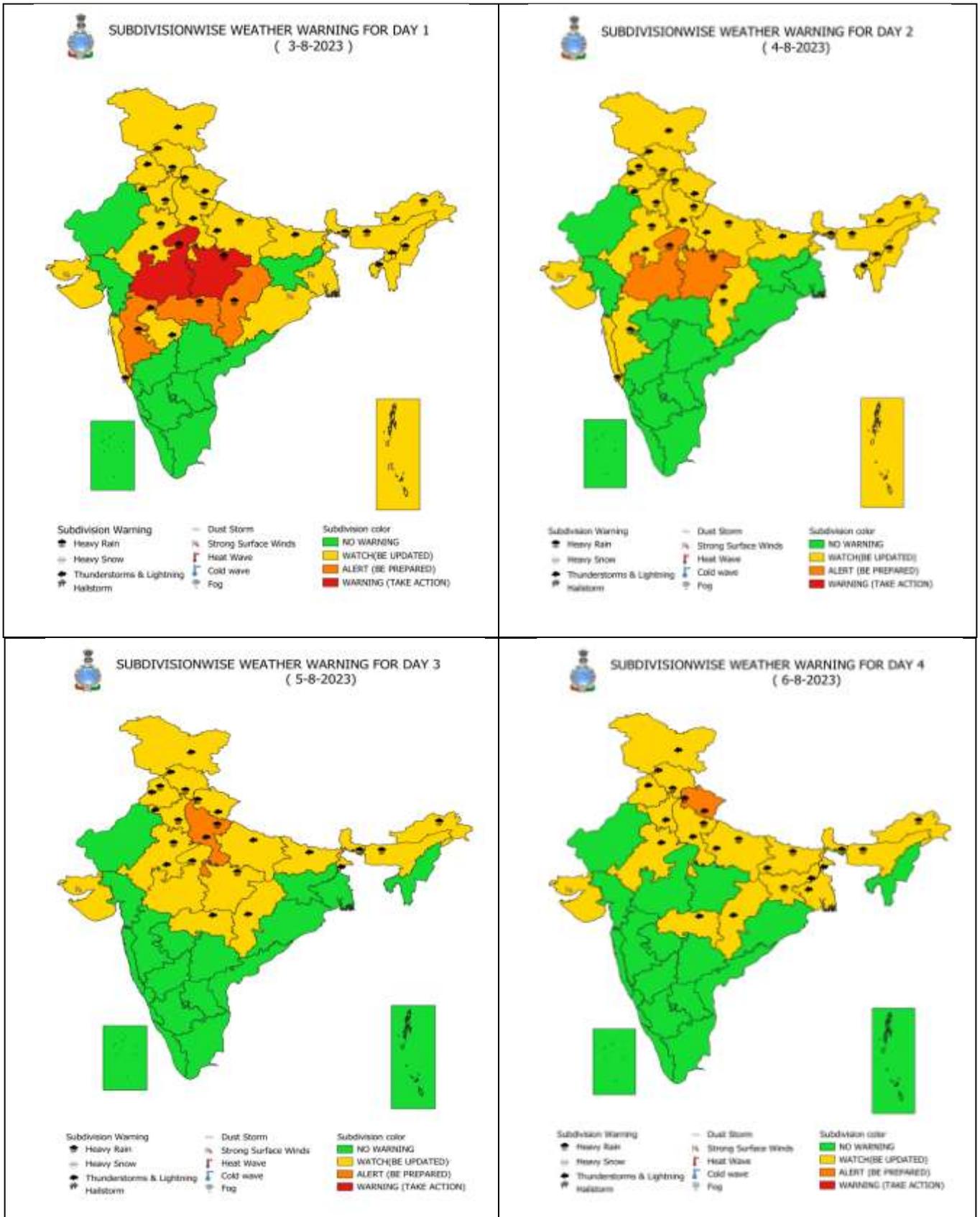


DATE/TIME IN UTC
IST=UTC + 0530
L: LOW PRESSURE AREA
WML: WELL MARKED LOW PRESSURE AREA
D: DEPRESSION (17-27 KT)
DD: DEEP DEPRESSION (28-33 KT)
CS: CYCLONIC STORM (34-47 KT)
SCS: SEVERE CYCLONIC STORM (48-63KT)
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
SuCS: SUPER CYCLONIC STORM (≥ 20 KT)

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

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Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.

Weather Warning Graphics



WARNING



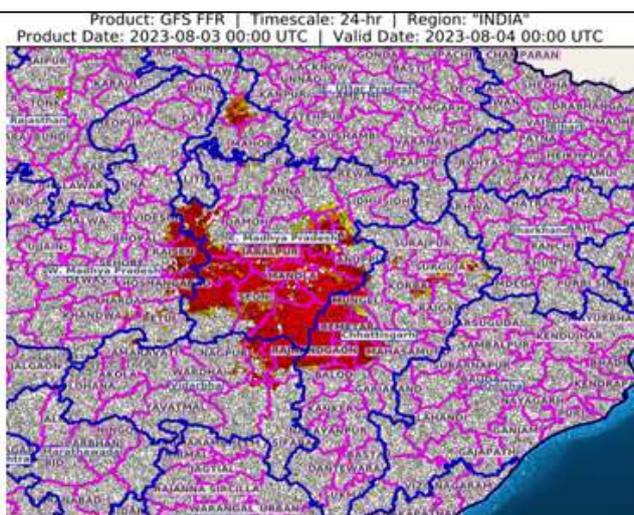
Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
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Flash Flood Guidance

24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 04-08-2023 :

Moderate flash flood risk likely over few watersheds & neighbourhoods of **Chhattisgarh, East Madhya Pradesh, Vidarbha, West Madhya Pradesh** and **Odisha** Met Sub-divisions during next 24 hours.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over 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)

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.

Realized Rainfall on 2nd August, 2023 in association with deep depression

24 hours accumulated heavy rainfall (≥ 7 cm) during 0830 hrs IST of 2nd to 0830 hrs IST of 3rd August

East Madhya Pradesh: Bichhia (dist Mandla) 24, Gohparu (dist Shahdol) 23, Raipura (dist Panna) 20, Niwas (dist Mandla) 19, Simariya (dist Panna) 19, Mawai (dist Mandla) 18, Bilhari (dist Katni) 17, Kumdam (dist Jabalpur) 17, Anuppur-aws (dist Anuppur) 16, Jabera (dist Damoh) 16, Umariyapan (dist Katni) 16, Mohgaon (dist Mandla) 15, Amarkantak (dist Anuppur) 15, Pawai (dist Panna) 15, Bakal (dist Katni) 15, Jaisingh Nagar (dist Shahdol) 15, Venkatnagar (dist Anuppur) 15, Rithi (dist Katni) 14, Bahoriband (dist Katni) 14, Panagar (dist Jabalpur) 13, Bijadandi (dist Mandla) 13, Kusmi (dist Sidhi) 13, Hatta (dist Damoh) 13, Sleemanabad (dist Katni) 13, Sihora (dist Jabalpur) 13, Barela (dist Jabalpur) 13, Ranjhi (dist Jabalpur) 13, Devendranagar (dist Panna) 13, Katni(mudwara) (dist Katni) 13, Shahpura (dist Dindori) 12, Dheemarkheda (dist Katni) 12, Patera (dist Damoh) 12

Odisha: Kutra (Sundargarh) 20, Panposh (Sundargarh) 19, Rourkela (Sundargarh) 18, Mandiradam (Sundargarh) 17, Rajgangapur (Sundargarh) 16, Baragaon (Sundargarh) 15, Binika (Sonepur) 14, Nawana (Mayurbhanj) 13, Lephripura (Sundargarh) 12, Dharakote (Ganjam) 12, Karlamunda (Kalahandi) 11, Birmaharajpur (Sonepur) 10, Narsinghpur (Cuttack) 10, Kantamal (Boudh) 10, Rampur (Kalahandi) 10, Kirmara (Jharsuguda) 10, Bamra (Sambalpur) 10, Balishankara (Sundargarh) 10, Dhankauda (Sambalpur) 9, Hemgiri (Sundargarh) 9, Lakhanpur (Jharsuguda) 9, Gania (Nayagarh) 9, Deogaon (Jharsuguda) 9, Barmul (Nayagarh) 9, Athamalik (Angul) 9, Lamataput (Koraput) 9, Kanhia (Angul) 9, Padampur (Baragarh) 9, Padmapur (Rayagada) 9, Tangarpali (Sundargarh) 9, K. Nuagaon (Kandhamal) 9, Nandapur (Koraput) 9, Sundergarh (Sundargarh) 8, Jharsuguda (Jharsuguda) 8, Komna (Nuapada) 8, Lathkata (Sundargarh) 8, Sambalpur (Sambalpur) 8, R.K. Nagar (Angul) 8, Bhapur (Nayagarh) 8, Harabhanga (Boudh) 7, Naktideul (Sambalpur) 7, Jharbandh (Baragarh) 7, Banarpal (Angul) 7, Patnagarh (Bolangir) 7, Nuagaon (Nayagarh) 7, Gudvela (Bolangir) 7, Banspal (Keonjhar) 7, Titilagarh (Bolangir) 7, Talcher (Angul) 7, Burla (Sambalpur) 7, Batagaon (Sambalpur) 7

Chhattisgarh: Dharamjaigarh (dist Raigarh) 22, Surajpur (dist Surajpur) 16, Ramanujnagar (dist Surajpur) 15, Patharia (dist Mungeli) 15, Lormi (dist Mungeli) 14, Lailunga (dist Raigarh) 13, Mungeli (dist Mungeli) 12, Bilha (dist Bilaspur) 12, Kartala (dist Korba) 12, Tamnar (dist Raigarh) 11, Khadgava (dist Koriya) 11, Mahasamund (dist Mahasamund) 11, Masturi (dist Bilaspur) 11, Ambikapur (dist Surguja) 11, Katghora (dist Korba) 10, Akaltara (dist Janjgir) 10, Arang (dist Raipur) 10, Duldula (dist Jashpur) 10, Pithora (dist Mahasamund) 10,

West Madhya Pradesh: Bhind-aws (dist Bhind) 9,

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.