

Government of India Ministry of Earth Sciences India Meteorological Department



Press Release Date: 22st August, 2024

Time of Issue: 1400 hours IST

Subject: (i) Low Pressure Area over north Bangladesh likely to cause very heavy to extremely heavy rainfall over Assam & Meghalaya and Tripura during next 2 days.

(ii) Enhanced rainfall activity with very heavy to extremely heavy rainfall over Gujarat and Maharashtra during 24th to 27th August.

Realised weather during past 24 hours till 0830 hours IST of today (Annexure I)

- ✓ **Exceptionally heavy rainfall (in cm) occurred** at isolated places over south Tripura.
- ✓ Heavy to very heavy rainfall at isolated places over Arunachal Pradesh, Uttarakhand, Bihar, East Madhya Pradesh, Chhattisgarh, Konkan & Goa, Lakshadweep; Heavy rainfall at isolated places over Assam & Meghalaya, East Uttar Pradesh, East Rajasthan, Jharkhand, Odisha, West Madhya Pradesh, Gujarat Region, Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana

Weather Systems:

- ✓ The **low pressure area** over north Bangladesh persisted over the same region. It is likely to move nearly westwards across West Bengal during next 48 hours.
- ✓ Another **low pressure area** formed over eastcentral Arabian sea off Karnataka-Goa coasts. It is likely to move gradually northwards during next 24 hours.
- ✓ The western end of **monsoon trough** lies near its normal position and its eastern end to the north of its normal position at mean sea level.
- ✓ A **cyclonic circulation** likely to form over North Bay of Bengal & neighbourhood around 24th August.

Forecast & Warnings (upto 7 days):

Northwest India

- ✓ Fairly widespread to widespread light/moderate rainfall very likely over Uttarakhand, East Rajasthan; scattered to fairly widespread rainfall over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttar Pradesh; isolated to scattered rainfall over Punjab, Haryana-Chandigarh-Delhi, West Rajasthan during the week.
- ✓ Isolated **heavy rainfall** very likely over Uttarakhand during next 7 days, East Uttar Pradesh during 22nd 26th; East Rajasthan during 22nd 27th August; West Uttar Pradesh, West Rajasthan during 23rd 25th and over Jammu Division during 26th 28th.

✓ Isolated **very heavy rainfall** also very likely over Uttarakhand on 22nd & 23rd; East Rajasthan on 25th August.

❖ West & Central India

- ✓ Fairly widespread to widespread light/moderate rainfall very likely over central India, Konkan & Goa, Madhya Maharashtra, Gujarat State; scattered to fairly widespread rainfall over Marathwada, during the week.
- ✓ Isolated Heavy rainfall very likely over Konkan & Goa during next 7 days; Madhya Pradesh during 22nd 26th; Chhattisgarh during 22nd –25th; Madhya Maharashtra during 23rd 26th; Gujarat State during 24th 28th August and over Vidarbha and Marathwada on 24th & 25th.
- ✓ Isolated **very heavy rainfall** also very likely over East Madhya Pradesh on 24th & 25th; Konkan & Goa during 23rd 26th; Chhattisgarh on 24th; West Madhya Pradesh on 24th & 26th; Madhya Maharashtra during 24th 26th; Gujarat Region on 27th August.
- ✓ Isolated **extremely heavy rainfall very likely** over Gujarat Region during 24th 26th; West Madhya Pradesh on 25th & 26th; Saurashtra & Kutch on 26th & 27th August.

East & Northeast India

- ✓ Fairly widespread to widespread light/moderate rainfall very likely over East & Northeast India, during the week.
- ✓ Isolated **heavy rainfall** very likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura during next 7 days; Arunachal Pradesh on 22nd, 23rd & 28th; Bihar during 22nd 24th; Gangetic West Bengal, Odisha during 22nd 25th; Sub-Himalayan West Bengal & Sikkim, Jharkhand during 22nd 26th; Andaman & Nicobar Islands on 24th August.
- ✓ Isolated **very heavy rainfall** also very likely over Meghalaya on 22nd, 24th & 25th; Nagaland, Manipur, Mizoram & Tripura on 23rd & 24th; Odisha during 23rd 25th; Assam on 24th & 25th August.
- ✓ Isolated **extremely heavy rainfall very likely** over Mizoram, Tripura on 22nd; Nagaland, Manipur, Mizoram & Tripura on 25th August.

South Peninsular India:

- ✓ Fairly widespread to widespread light/moderate rainfall very likely over Kerala & Mahe, Coastal Karnataka; scattered to fairly widespread rainfall likely over Lakshadweep, Coastal Andhra Pradesh & Yanam, Interior Karnataka; isolated to scattered rainfall over Tamil Nadu, Puducherry & Karaikal, Rayalaseema during the week.
- ✓ Isolated **heavy rainfall** very likely over cap on 22nd; Telangana during 22nd -24th; North Interior Karnataka during 22nd 26th; Coastal Karnataka during 22nd 27th; Kerala & Mahe during 24th 26th; South Interior Karnataka on 25th & 26th August.
- ✓ Isolated **very heavy rainfall** also very likely over Coastal Karnataka on 25th & 26th August.
- ✓ **Strong surface winds** speed reaching 50-60 kmph gusting upto 70 kmph likely to prevail over Kerala and Lakshadweep Islands during next 24 hours.

For more details, kindly refer: https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

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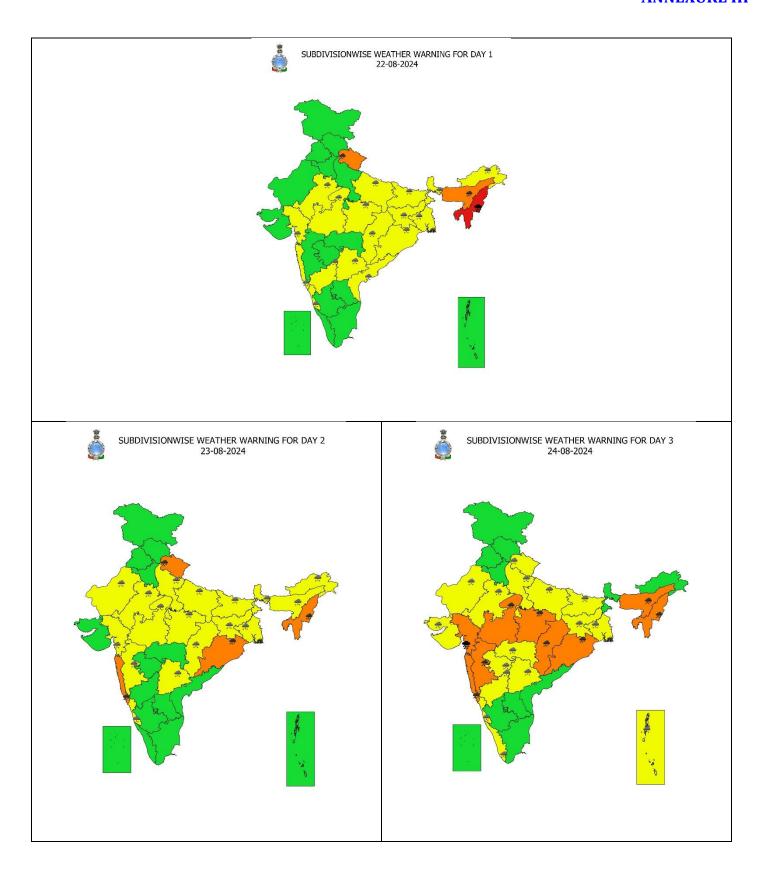
Significant Rainfall recorded during past 24 hours till 0830 hours IST of today 22.08.2024 (in cm):

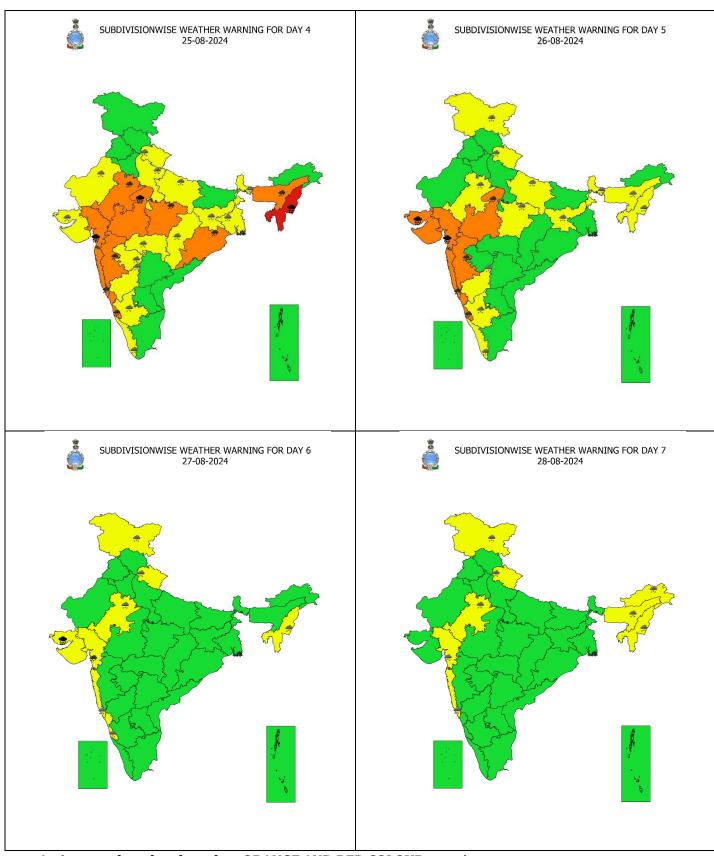
- ❖ Tripura: Bagafa (dist South Tripura) 49, Kvk South (dist South Tripura) 31, Agartala Aero (dist West Tripura) 23, Teliamura_arg (dist Khowai) 23, Lembuchhera (dist West Tripura) 22, Sonamura (dist Sipahijala) 20, Budhjongnagar Arg (dist West Tripura) 18, Gandachara Aws (dist Dhalai) 15, Belonia (dist South Tripura) 14, Arundhutinagar (dist West Tripura) 13, Kamalpur (dist Dhalai) 13, Kvk Dhalai (dist Dhalai) 11, Bishalgarh (dist Sipahijala) 10, Met Agartala Aws (dist West Tripura) 9, Chhamonu (dist Dhalai) 7,
- Lakshadweep: Agathi (dist Lakshadweep) 17,
- Uttarakhand: Kapkot (Bageshwar) 15, Roshnabad (Haridwar) 13, Loharkhet (Bageshwar) 12, Kotdwar (Pauri Garhwal) 10, Jollygrant (Dehradun) 7, Haridwar (Haridwar) 7,
- Odisha: Biridi (Jagatsinghpur) 15, Junagarh (Kalahandi) 7, Kashinagar (Gajapati) 7, Burla (Sambalpur) 7,
- **East Madhya Pradesh:** Paraswada (dist Balaghat) 13, Hanumana (dist Rewa) 11, Baihar (dist Balaghat) 7,
- Bihar: Kutumba (dist Aurangabad) 13,
- ❖ Arunachal Pradesh: Miao (dist Changlang) 13,
- ❖ East Madhya Pradesh: Paraswada (dist Balaghat) 13, Hanumana (dist Rewa) 11, Baihar (dist Balaghat) 7,
- ❖ Assam & Meghalaya: Cherrapunji(rkm) (dist East Khasi Hills) 12, Nongstein (dist West Khasi Hills) 10, Cherrapunji (dist East Khasi Hills) 10, Mawsynram (dist East Khasi Hills) 9, Mawkyrwat (dist South West Khasi Hills) 8, Bhaghmara (dist South Garo Hills) 7,
- Chhattisgarh: Ambikapur (dist Surguja) 12, Bhaisma (dist Korba) 11, Chhal (dist Raigarh) 9, Kartala (dist Korba) 8, Pamgarh (dist Janjgir) 8, Lalpur Thana (dist Mungeli) 8, Balrampur (dist Balrampur) 8, Kashdol (dist Baloda Bazar) 7, Barpali (dist Korba) 7, Dhabhara (dist Sakti) 7,
- ❖ West Madhya Pradesh: Ghatigaon (dist Gwalior) 10, Sailana (dist Ratlam) 9, Bagh (dist Dhar) 9, Jaora (dist Ratlam) 7, Nagda (dist Ujjain) 7,
- Coastal Andhra Pradesh & Yanam: Parvathipuram (dist Parvathipuram Manyam) 9, Bobbili (dist Vizianagaram)
 7.
- **East Rajasthan:** Nasirabad (dist Ajmer) 9, Nathdwara (dist Rajsamand) 7, Degod Sr (dist Kota) 7, Baran (dist Baran) 7,
- East Uttar Pradesh: Haidargarh (dist Barabanki) 9, Bhanpur (dist Basti) 7, Tanda (dist Ambedkar Nagar) 7,
- Marathwada: Jalkot (dist Latur) 9,
- ❖ South Interior Karnataka: Kottigehara (dist Chikkamagaluru) 8,
- Konkan & Goa: Chiplun (dist Ratnagiri) 7,
- Jharkhand: Chas (dist Bokaro) 7,
- **Tamil Nadu:** Yercaud AWS (dist Salem) 7,
- **❖ Telangana:** Wyra Kvk(agro) (dist Khammam) 7,
- ❖ Gujarat Region: Khambhat (dist Anand) 7,
- Rayalaseema: Orvakal (dist Kurnool) 7.

7 Days Rainfall Forecast								
	, 50	-	<u> </u>	1	25 Aug	26 Δυσ	27 Δυσ	20 Δυσ
S. No.	Subdivision	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug
- 1	ANDARAM CAUCODAD ICLANDS	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	WS	WS	WS	WS	WS
2	ARUNACHAL PRADESH	FWS	FWS	FWS	FWS	FWS	FWS	FWS
3	ASSAM & MEGHALAYA	WS	WS	WS	WS	WS	FWS	FWS
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA		WS	WS	WS	WS	FWS	FWS
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	WS	WS	FWS	FWS	FWS	FWS	FWS
6	GANGETIC WEST BENGAL	WS	WS	WS	WS	FWS	SCT	SCT
7	ODISHA	FWS	FWS	WS	WS	FWS	SCT	SCT
8	JHARKHAND	FWS	WS	WS	WS	FWS	FWS	FWS
9	BIHAR	FWS	FWS	FWS	SCT	SCT	SCT	SCT
10	EAST UTTAR PRADESH	FWS	FWS	FWS	SCT	SCT	SCT	SCT
11	WEST UTTAR PRADESH	SCT	FWS	FWS	SCT	SCT	SCT	SCT
12	UTTARAKHAND	FWS	FWS	FWS	FWS	FWS	FWS	FWS
13	HARYANA CHANDIGARH & DELHI	ISOL	SCT	SCT	ISOL	SCT	SCT	ISOL
14	PUNJAB	ISOL	SCT	ISOL	ISOL	SCT	SCT	ISOL
15	HIMACHAL PRADESH	ISOL	ISOL	ISOL	SCT	FWS	FWS	FWS
16	JAMMU & KASHMIR AND LADAKH	SCT	SCT	SCT	SCT	SCT	FWS	FWS
17	WEST RAJASTHAN	ISOL	SCT	SCT	SCT	SCT	SCT	ISOL
18	EAST RAJASTHAN	FWS	WS	WS	WS	WS	FWS	SCT
19	WEST MADHYA PRADESH	FWS	WS	WS	WS	WS	FWS	SCT
20	EAST MADHYA PRADESH	WS	WS	WS	WS	WS	FWS	FWS
21	GUJARAT REGION	FWS	FWS	WS	WS	WS	WS	WS
22	SAURASHTRA & KUTCH	SCT	SCT	SCT	FWS	WS	WS	WS
23	KONKAN & GOA	WS	WS	WS	WS	WS	WS	WS
24	MADHYA MAHARASHTRA	SCT	FWS	WS	WS	WS	FWS	SCT
25	MARATHAWADA	SCT	SCT	FWS	FWS	FWS	SCT	SCT
26	VIDARBHA	FWS	WS	WS	WS	FWS	FWS	FWS
27	CHHATTISGARH	WS	WS	WS	WS	FWS	FWS	FWS
28	COASTAL ANDHRA PRADESH & YANAM	SCT	SCT	SCT	SCT	ISOL	SCT	SCT
29	TELANGANA	FWS	FWS	FWS	SCT	ISOL	ISOL	ISOL
	RAYALASEEMA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU PUDUCHERRY & KARAIKAL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	WS	WS	WS	WS	WS	WS	WS
33	NORTH INTERIOR KARNATAKA	SCT	SCT	FWS	FWS	FWS	FWS	SCT
34	SOUTH INTERIOR KARNATAKA	SCT	SCT	SCT	SCT	SCT	SCT	SCT
35	KERALA & MAHE	FWS	FWS	FWS	WS	WS	WS	WS
36	LAKSHADWEEP	FWS	FWS	SCT	SCT	FWS	FWS	FWS

• As the lead period increases forecast accuracy decreases.

ANNEXURE III





- Action may be taken based on ORANGE AND RED COLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

Impact due to

- ✓ **Isolated extremely heavy rainfall very likely over** Mizoram, Tripura on 22nd; Gujarat Region during 24th-26th; Nagaland, Manipur, Mizoram & Tripura on 25th; West Madhya Pradesh on 25th & 26th; Saurashtra & Kutch on 26th & 27th August.
- ✓ Very heavy rainfall at isolated over Uttarakhand on 22nd & 23rd; Meghalaya on 22nd, 24th & 25th; Nagaland, Manipur, Mizoram & Tripura on 23rd & 24th; East Rajasthan on 25th; Coastal Karnataka on 25th & 26th; Odisha during 23rd 25th; Assam on 24th & 25th; East Madhya Pradesh on 24th & 25th; Konkan & Goa during 23rd 26th; Chhattisgarh on 24th; West Madhya Pradesh on 24th & 26th; Madhya Maharashtra during 24th 26th; East Rajasthan on 25th; Coastal Karnataka on 25th & 26th; Gujarat Region on 27th August.
- ✓ Moderate flash flood risk likely over few watersheds & neighbourhoods of Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; Low to Moderate flash flood risk likely over Uttarakhand on 21th August. (ANNEXURE IV)
 - ✓ Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
 - ✓ Occasional reduction in visibility due to heavy rainfall.
 - ✓ Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
 - ✓ Minor damage to kutcha roads.
 - ✓ Possibilities of damage to vulnerable structure.
 - ✓ Localized Landslides/Mudslides/landslips/mud slips/land sinks/mud sinks.
 - ✓ Damage to horticulture and standing crops in some areas due to inundation.
 - ✓ It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

Action Suggested

- ✓ Check for traffic congestion on your route before leaving for your destination.
- ✓ Follow any traffic advisories that are issued in this regard.
- ✓ Avoid going to areas that face the water logging problems often.
- ✓ Avoid staying in vulnerable structure.

Agromet advisories for Heavy Rainfall likely over various parts of the country

- ➤ Drain out excess water from field crops and horticultural crops in Arunachal Pradesh, Assam & Meghalaya, NMMT, Uttarakhand, East Uttar Pradesh, East Rajasthan, Madhya Pradesh, Chhattisgarh, Gujrat region, Odisha, Jharkhand, Bihar, Coastal Andhra Pradesh and Telangana.
- Make provision for draining out excess water from standing crop fields and fruit orchards to avoid water stagnation in West Bengal, Coastal and North Interior Karnataka, Konkan & Goa, Madhya Maharashtra, Saurashtra & Empirican Representation of the Saurashtra and Saurashtra & Empirican Representation of the Saurashtra & Empirican Repr
- ➤ Postpone sowing of black gram and green gram in Assam.
- ➤ Due to continuous heavy rain transplanted rice and vegetables are submerged in low lying areas, recovery of young rice seedlings is unlikely, farmers are advised to collect short duration rice varieties after cessation of rain otherwise can wait a bit and prepare in advance for winter vegetables in Tripura.
- > Drain out excess water from kharif rice, groundnut, sesame, soyabean, ginger, turmeric and vegetables to prevent the water logging in Mizoram.
- > Provide mechanical support to horticultural crops & Description of the Provide mechanical support to horticultural crops & Description of the Provide mechanical support to horticultural crops & Description of the Provide mechanical support to horticultural crops & Description of the Provide mechanical support to horticultural crops & Description of the Provide mechanical support to horticultural crops & Description of the Provide mechanical support to horticultural crops & Description of the Provide mechanical support to horticultural crops & Description of the Provide mechanical support to horticultural crops & Description of the Provide mechanical support to horticultural crops & Description of the Provide mechanical support to horticultural crops & Description of the Provide mechanical support to horticultural crops & Description of the Provide mechanical support to horticultural crops & Description of the Provide mechanical support to horticultural crops & Description of the Provide mechanical support to horticultural crops & Description of the Provide mechanical support to hortical support to hortical

Flash Flood Guidance:

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 23-08-2024 :

Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours. Assam & Meghalaya - Barpeta, Chirang, Kamrup Rural, Kokrajhar, Nalbari, East Khasi Hills, Ri Bhoi, West Khasi Hills and Jaintia Hills districts. NMMT - Chandel, Thoubal, Ukhrul, Aizawl, Lawngtlai, Lunglei, Mamit, Saiha, Serchhip, Mokokchung, Phek, Zunheboto, Dhalai, North Tripura, South Tripura and West Tripura

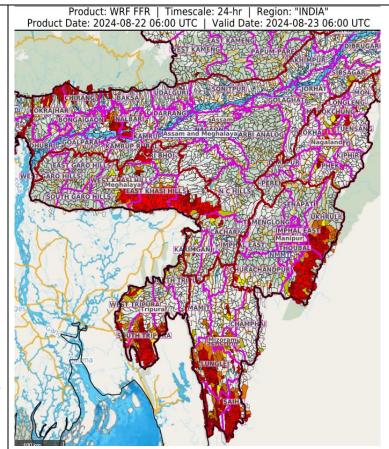
Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.

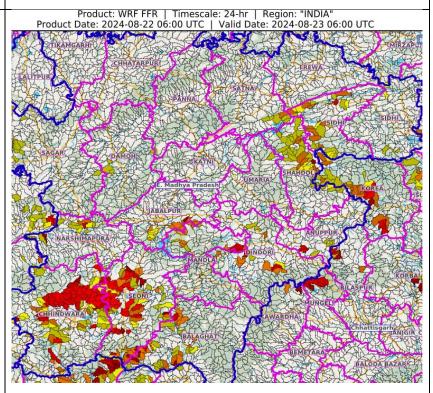
24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 23-08-2024 :

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

East Madhya Pradesh - Balaghat, Chhindwara, Dindori, Jabalpur, Mandla, Narshimapura, Sagar, Seoni, Shahdol and Sidhi districts.

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.

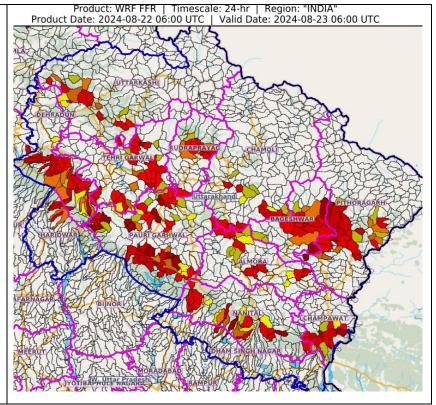




24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 23-08-2024 :

Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours. Uttarakhand Almora, Bageshwar, Chamoli, Champawat, Dehradun, Haridwar, Nanital, Pauri Garhwal, Pithoragarh, Rudraprayag, Tehri Garwal and Uttarkashi districts.

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.



Legends & abbreviations:

- **♦ Heavy Rain:**64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ Obsy: Observatory; AWS: Automatic Weather Station; ARG: Automatic Rain Gauge; dist: District: NH: National Highway; KVK: Krishi Vigyan Kendra; DVC: Damodar Valley Corporation; PTO: Part Time Office, Aero: Aerodrome, IAF: Indian Air Force.
- **Region wise classification of meteorological Sub-Divisions:**
 - **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
 - **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
 - **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
 - Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
 - **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathawada.



33. आतंरिक उत्तरी कर्नाटक

35. केरल और माहे

36. लक्षद्वीप

34. आतंरिक दक्षिणी कर्नाटक

राष्ट्रीय मौसम पूर्वानुमान केन्द्र भारत मौसम विज्ञान विभाग पृथ्वी विज्ञान मंत्रालय

National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

33. North Interior Karnataka

34. South Interior Karnataka

35. Kerala & Mahe

36. Lakshadweep

LEGENDS



SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category		
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/A Few Places)		
51-75	Fairly Widespread (FWS/Many Places)	1-25	Isolated (ISOL)		







DEFINITION/CRITERIA Heavy: 64.5 to 115.5 mm/cm * Very Heavy: 115.6 to 204.4 mm/cm Rain/ Snow * Extremely Heavy: > 204.4 mm/cm When maximum temperature of a station reaches ≥40° C for plains and ≥30° C for hilly regions (a) Based on Departure from normal Heat Wave: Maximum Temperature Departure from normal 4.5° C to 6.4° C. Severe Heat Wave: Maximum Temperature Departure from normal ≥6.5° C **Heat Wave** (b). Based on Actual maximum temperature Heat Wave: When actual maximum temperature ≥45°C Severe Heat Wave: When actual maximum temperature ≥47°C (c). Criteria for heat wave for coastal stations When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature ≥37°C When maximum temperature remains 40°C Warm Night: When minimum temperature departure 4.5 °C to 6.4 °C Warm Night Severe Warm Night: When minimum temperature departure >6.4 °C. When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions. (a). Based on departure Cold Wave: Minimum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Wave: Minimum Temperature Departure from normal \leq -6.5 $^{\circ}\text{C}$ **Cold Wave** (b) Based on actual Minimum Temperature (for Plains only) Cold Wave : When Minimum Temperature is ≤ 4.0 °C Severe Cold Wave: When Minimum Temperature is ≤ 2.0 °C (c) For Coastal Stations When Minimum Temperature departure is ≤-4.5 °C & actual Minimum Temperature is ≤ 15 °C When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions Based on departure **Cold Day** Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Day: Maximum Temperature Departure from normal ≤ -6.5 °C Phenomenon of small droplets suspended in air and the horizontal visibility < 1km Moderate Fog: When the visibility between 500-200 metres Fog Dense Fog: when the visibility between 50- 200 metres Very Dense Fog: when the visibility < 50 metres Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder) Thunderstorm Dust/Sand An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. Ice deposits on ground Frost Air temperature ≤4°C (over Plains) A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Squall Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre Sea State High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots) Cyclone Super Cyclone Strom: Wind speed >220 kmph (>119 knots)

* Red colour warning does not mean "Red Alert", Red colour warning means "Take Action". Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day. For more details, kindly visit https://mausam.imd.gov.in or contact: 011-2434-4599 (Service to the Nation since 1875)