



**India Meteorological Department
(Ministry of Earth Sciences)**

NATIONAL BULLETIN NO. 1 (LAND/01/2024)

TIME OF ISSUE:1000 HOURS IST

DATED:25.08.2024

FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)

TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23012284, 23018638)

PS TO HON'BLE MINISTER FOR S & T AND EARTH SCIENCES (FAX NO.23316745)

SECRETARY, MOES (FAX NO. 24629777)

H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)

DIRECTOR GENERAL, DOORDARSHAN (23385843)

DIRECTOR GENERAL, AIR (23421105, 23421219)

PIB MOES (FAX NO. 23389042)

UNI (FAX NO. 23355841)

D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX NO. 26105912, 2436 3260)

DIRECTOR, PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)

CHIEF SECRETARY, ODISHA (FAX NO. 0674-2536660)

CHIEF SECRETARY, WEST BENGAL (FAX NO. 033-22144328)

CHIEF SECRETARY, MADHYA PRADESH (FAX NO. 0755-2441076)

CHIEF SECRETARY, RAJASHTHAN (FAX NO. 0141-2227114)

CHIEF SECRETARY, MAHARASHTRA (FAX NO. 022- 22028594)

CHIEF SECRETARY, GUJARAT (FAX NO. 079-23250305)

CHIEF SECRETARY, DAMAN & DIU (FAX NO. 0260-2230775)

CHIEF SECRETARY, DADRA & NAGAR HAVELI (FAX NO. 0260-2645466)

CHIEF SECRETARY, GOA (FAX NO. 0832-2415201)

Sub: (a) Depression over northwest Madhya Pradesh and neighbourhood

The well marked low pressure area over central parts of north Madhya Pradesh moved westwards, intensified into a depression and lay centered at 0530 hours IST of today, the 25th August over northwest Madhya Pradesh and neighbourhood near latitude 24.5°N and longitude 77.3°E, close to Guna (West Madhya Pradesh) and 160 km east-southeast of Kota (East Rajasthan).

It is likely to move nearly west-southwestwards, intensify further into a deep depression over south Rajasthan and adjoining north Gujarat by 27th August. Thereafter, it will continue to move nearly west- southwestwards and emerge into northeast Arabian Sea off Saurashtra & Kutch and south Pakistan coasts around 29th August.

(b) Yesterday's upper air cyclonic circulation over north Bay of Bengal lay over south Bangladesh & neighbourhood extending upto middle tropospheric level at 0530 IST of today, the 25th August 2024. Under its influence, a low pressure area is likely to form over the same region during next 24 hours and move west-northwestwards across Gangetic West Bengal, north Odisha and Jharkhand during next 2 days.

Warnings:

(i) Rainfall Warning:

West Madhya Pradesh: Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places on 25th & 26th with extremely heavy rainfall at isolated places is likely on 25th August.

East Madhya Pradesh: Light to moderate rainfall at many places with heavy rainfall at isolated places is likely on 25th and 26th August.

East Rajasthan: Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places and extremely heavy rainfall at isolated places is likely on 25th and 26th August.

West Rajasthan: Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places is likely on 25th and 26th August.

Light to moderate rainfall at most places with isolated heavy to extremely heavy rainfall over **South Rajasthan** is likely on 27th August.

Gujarat region: Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places and isolated extremely heavy rainfall likely on 25th and 26th and heavy to very heavy rainfall on 27th August.

Saurashtra & Kutch: Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places and extremely heavy rainfall at isolated places is likely during 25th -28th August and heavy to extremely heavy rainfall at isolated places is likely on 29th August.

Konkan & Goa: Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places and extremely heavy rainfall at isolated places is likely on 25th and 26th and heavy to very heavy rainfall on 27th August.

Madhya Maharashtra: Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places and extremely heavy rainfall at isolated places is likely on 25th & 26th and heavy to very heavy rainfall at isolated places is likely on 27th August.

Odisha: Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places is likely on 25th and 26th August.

Gangetic West Bengal: Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places is likely on 25th and 26th August.

Jharkhand: Light to moderate rainfall at many places with heavy rainfall at isolated places is likely on 25th and 26th August.

(ii) Wind warning:

- Strong surface wind speed reaching 30-40 kmph gusting to 50 kmph is very likely to prevail over Madhya Pradesh during 25th & 26th August.

- Strong surface wind speed reaching 30-40 kmph gusting to 50 kmph is very likely to prevail over South Rajasthan on 25th & 26th August and squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail on South Rajasthan on 27th August.
- Strong surface wind speed reaching 30-40 kmph gusting to 50 kmph is very likely over Gujarat state on 26th August, becoming squally wind speed reaching 40-50 kmph gusting to 60 kmph over Gujarat state and along & off Gujarat coast on 27th & 28th August.
- Squally wind speed reaching 55-65 kmph gusting to 75 kmph is likely to prevail along & off Gujarat coast on 29th August. Squally wind speed reaching 40-50 kmph gusting to 60 kmph for interior district of Gujarat state on 29th August.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail along and off north Maharashtra coasts on 28th & 29th August.

(iii) Sea condition:

- Squally weather with Rough to very Rough sea conditions is very likely to prevail along & off Gujarat & north Maharashtra Coasts and Northeast & adjoining Eastcentral Arabian Sea till 30th August.
- Squally weather with Rough Sea condition is very likely to prevail over North Bay of Bengal and along & off North Odisha, West Bengal, Bangladesh coasts on 25th and 26th August.

(iv) Fisherman warning:

- Fishermen are advised not venture into Northeast & adjoining Eastcentral Arabian Sea and along & off Gujarat & north Maharashtra Coasts till 30th August.
- Fishermen are advised not to venture into North Bay of Bengal and along & off North Odisha, West Bengal, Bangladesh coasts on 25th and 26th August.

(v) Advisory for offshore/onshore Exploration and Production (E & P) Operators:

The small ships and offshore -onshore E & P operators, shipping and port authorities along & off Gujarat & north Maharashtra Coasts and Northeast & adjoining Eastcentral Arabian Sea are advised to keep watch on developing weather and take necessary actions.

(vi) Impact Expected

- 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)

(v) Action Suggested

- Fishermen are advised not venture into Northeast & adjoining Eastcentral Arabian Sea and along & off Gujarat & north Maharashtra Coasts till 30th August.
- Fishermen are advised not to venture into North Bay of Bengal and along & off North Odisha, West Bengal, Bangladesh coasts on 25th and 26th August.
- Judicious regulation of offshore/onshore Operations
- 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.

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

- Make provision for draining out excess water from crop fields to avoid water stagnation in Madhya Pradesh, South Rajasthan, Gujarat State and North Maharashtra.
- Provide mechanical support to horticultural crops and staking to vegetables.

Next bulletin will be issued at 1130 hours IST of today, the 25th August, 2024.

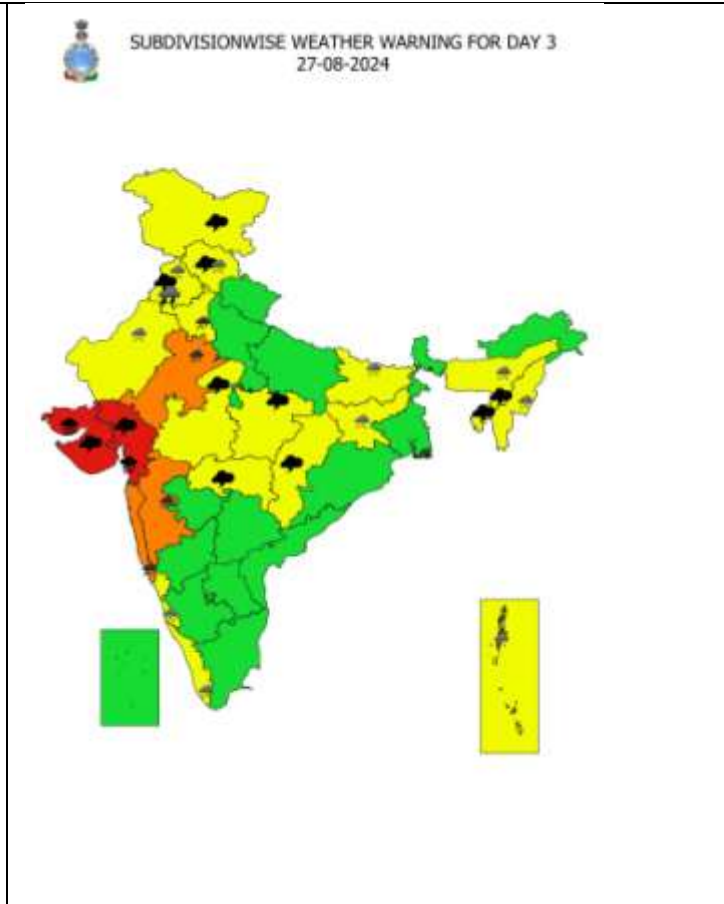
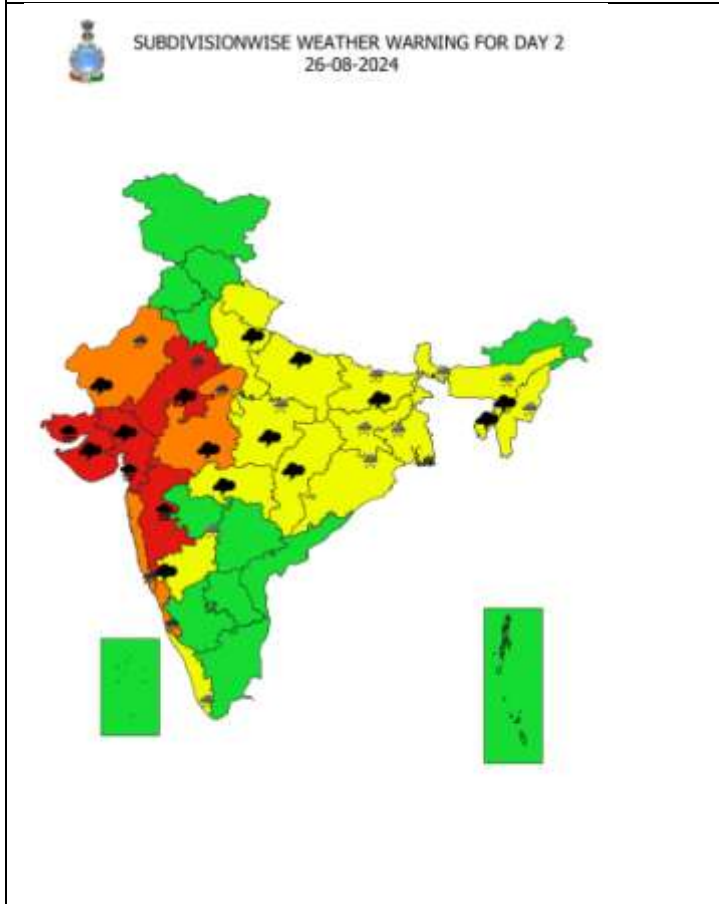
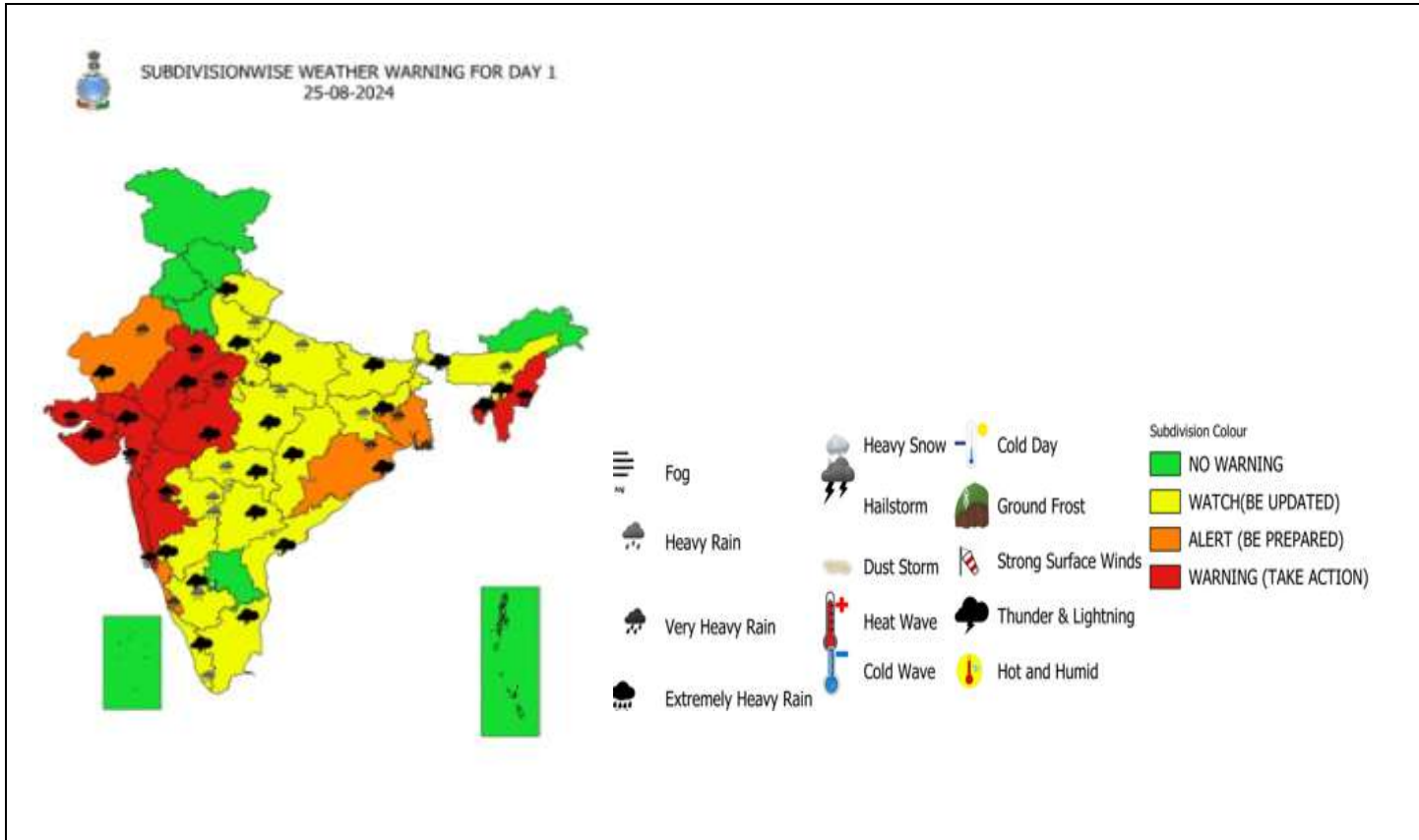
**(Dr. D. R. Pattanaik)
Scientist F, Cyclone Warning, New Delhi**

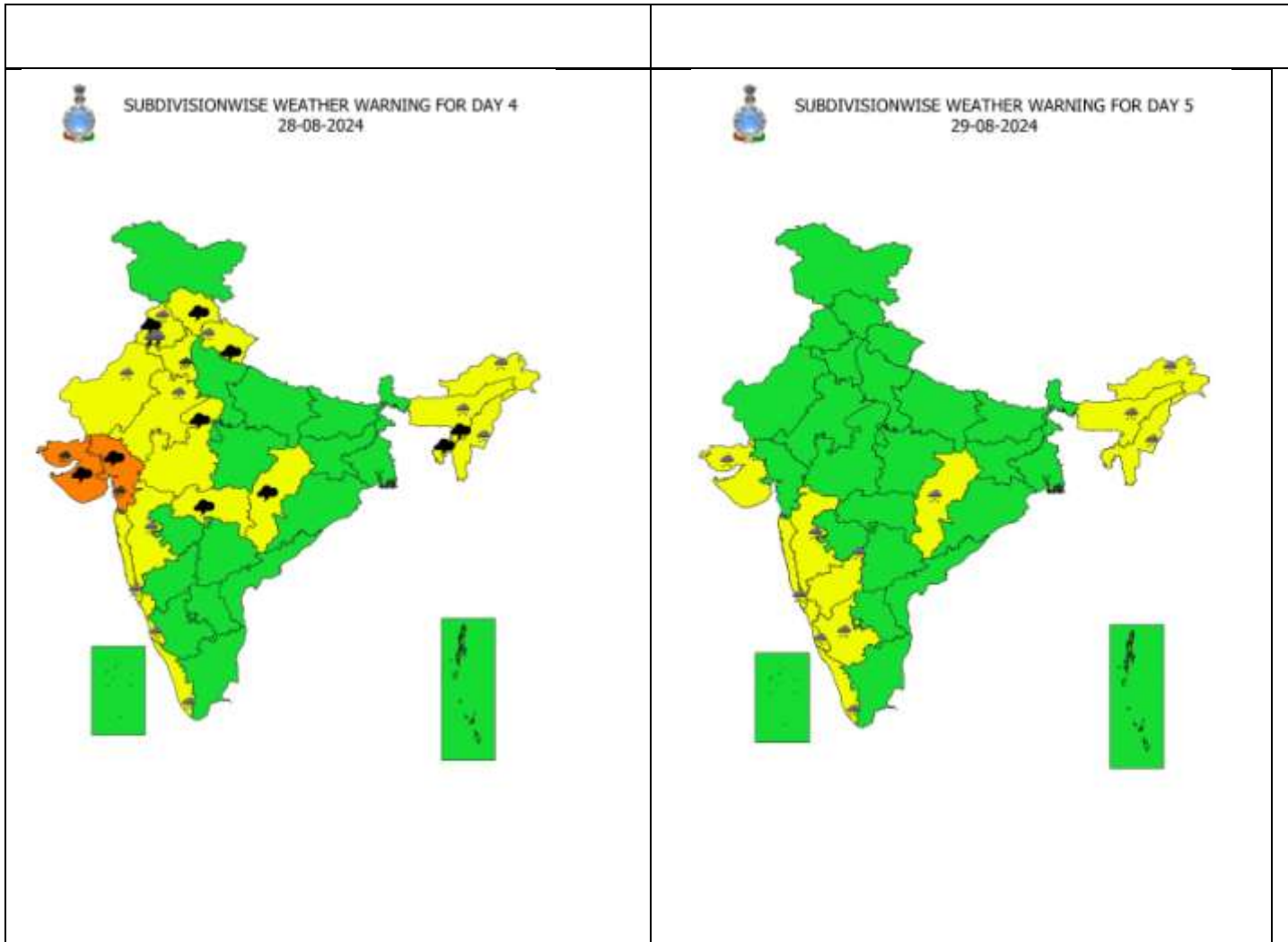
Copy to: ACWC Kolkata/ACWC Mumbai/RMC Mumbai/CWC Ahmedabad/ MC, Jaipur/RMC, Nagpur/ MC, Bhopal/ /CWC Bhubaneswar/MC, Goa

Observed and Forecast Track of Depression over Northwest Madhya Pradesh and Neighbourhood Based on 0000 UTC (0530 hr IST) of 25th AUGUST, 2024



Warning Graphics





- 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.

Flash Flood Guidance

24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 26-08-2024 :

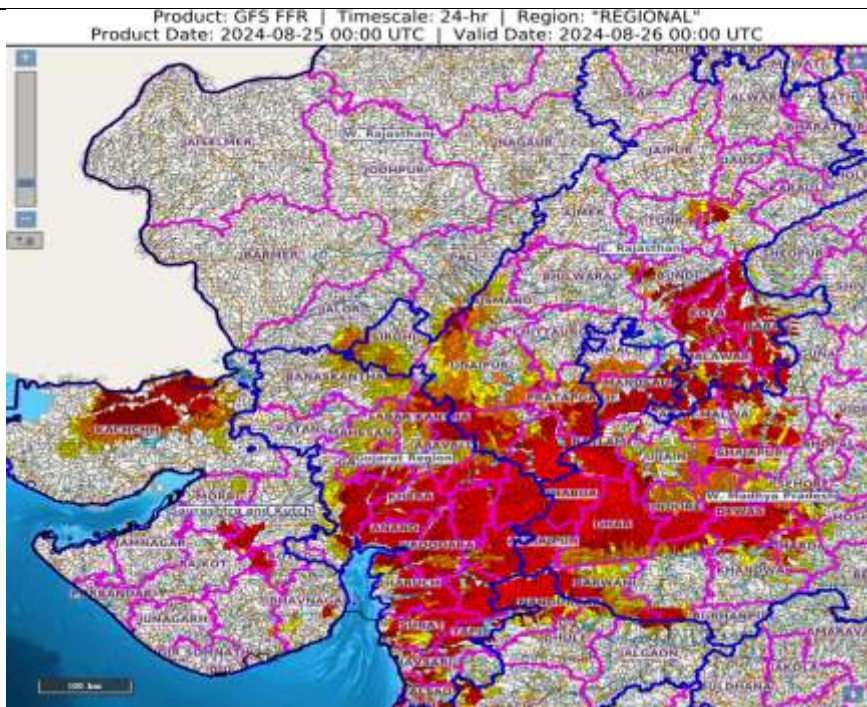
Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.




East Rajasthan - Banswara, Baran, Bundi, Dungarpur, Jhalawar, Kota, Pratapgarh, Rajsmad, Sirohi, Swaimadhopur, Tonk and Udaipur districts.

West Madhya Pradesh - Agar-Malwa, Alirajpur, Ashoknagar, Barwani, Dewas, Dhar, Harda, Indore, Jhabua, Khandwa, Khargone, Mandsaur, Nimach, Rajgarh, Ratlam, Sehore, Shajapur and Ujjain districts.

Gujarat Region - Dadar & Nagar Haveli, Daman, Ahmadabad, Anand, Aravalli, Banaskantha, Bharuch, Chhota Udepur, Dahod, Dangs, Gandhinagar, Khera, Mahesana, Mahisagar, Narmada, Navsari, Panchmahal, Sabar Kantha, Surat, Tapi, Vadodara and Valsad districts.

Madhya Maharashtra -



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

Jalgaon, Nandurbar and
Nasik districts.
Saurashtra & Kutch -
Bhavnagar, Rajkot,
Surendranagar, Morbi and
Kachchh 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.