



**Government of India**  
**Ministry of Earth Sciences**  
**India Meteorological Department**

**Press Release.**

**Date: 03<sup>rd</sup> October, 2023**

**Time of Issue: 1315 hours IST**

**Subject: 1) Heavy to very heavy rainfall very likely to continue over Bihar, Jharkhand, West Bengal & Sikkim, north Odisha during next 3 days and over Northeast India during next 4 days.**

**2) Today, the Southwest Monsoon has withdrawn from some more parts of Uttarakhand, West Uttar Pradesh, & West Madhya Pradesh; remaining parts of Rajasthan, and some parts of Gujarat state.**

**Weather observed during past 24 hours ending at 0830 hours IST of today (Annexure I):**  
**Withdrawal of Southwest Monsoon: (Annexure III)**

- ✓ The line of withdrawal of Southwest Monsoon now passes through Gulmarg, Dharamshala, Mukteshwar, Pilibhit, Orai, Ashoknagar, Indore, Baroda and Porbandar.
- ✓ Today, the Southwest Monsoon has withdrawn from some more parts of Uttarakhand, West Uttar Pradesh, & West Madhya Pradesh; remaining parts of Rajasthan, and some parts of Gujarat state.
- ✓ Conditions are becoming favourable for further withdrawal of Southwest Monsoon from remaining parts of Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, West Uttar Pradesh, West Madhya Pradesh, Gujarat state; some parts of East Uttar Pradesh, East Madhya Pradesh, Maharashtra during next 2-3 days.

**Significant Weather features:**

- ❖ Yesterday's **Low Pressure Area** now lies over southeast Jharkhand & neighbourhood. It is very likely to move nearly eastwards during next 2-3 days across West Bengal, causing light/moderate rainfall over many parts with **isolated heavy to very heavy rainfall** over Bihar, West Bengal & Sikkim, Jharkhand and north Odisha on 03<sup>rd</sup> & 04<sup>th</sup> October and over Arunachal Pradesh, Assam & Meghalaya and Mizoram & Tripura during 04<sup>th</sup>-06<sup>th</sup> October, 2023.

**Weather Forecast and Warnings: (Annexure II)**

**East India: Rainfall warning:** Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** very likely over Jharkhand and north Odisha on 03<sup>rd</sup> & 04<sup>th</sup>; over Bihar and West Bengal & Sikkim during 03<sup>rd</sup> to 05<sup>th</sup>; over Andaman & Nicobar Islands during 03<sup>rd</sup> to 07<sup>th</sup> October. **Isolated very heavy rainfall very likely over Jharkhand and north Odisha on 03<sup>rd</sup> and West Bengal & Sikkim on 03<sup>rd</sup> & 04<sup>th</sup> October.**

**Central India:** Light/moderate scattered to fairly widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** very likely over north Chhattisgarh on 03<sup>rd</sup> October.

**Northeast India:** Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** very likely over Assam & Meghalaya during 03<sup>rd</sup>-07<sup>th</sup>; Arunachal Pradesh during 03<sup>rd</sup>-06<sup>th</sup> and over Nagaland, Manipur, Mizoram & Tripura during 03<sup>rd</sup>-05<sup>th</sup> October.

**Northwest India:** Light/moderate scattered rainfall with isolated **heavy to very heavy rainfall** very likely over southeast Uttar Pradesh on 03<sup>rd</sup> October. Isolated light rainfall also likely over Western Himalayan Region during next 24 hours.

**South India:** Light/moderate fairly widespread to widespread rainfall with isolated **heavy rainfall** very likely over ghat areas of Tamil Nadu and Kerala on 03<sup>rd</sup> October.  
**Isolated very heavy rainfall very likely over south Kerala today.**

**West India:** No significant weather over the region during next 5 days.

**For Flash Flood Guidance Map (Annexure IV)**

For more details kindly refer:

[https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php)

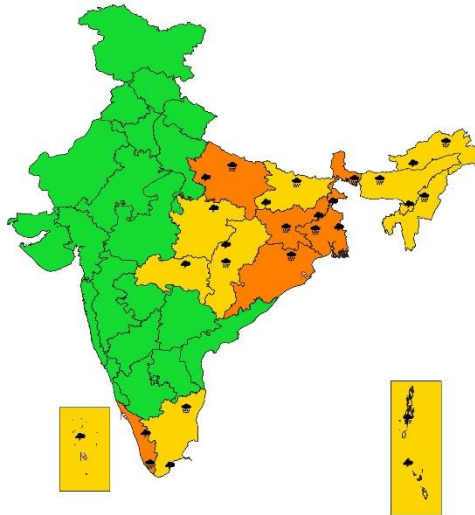
**Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 03<sup>rd</sup> October, 2023):**

- **Heavy to very heavy rainfall** at isolated places over Odisha, Jharkhand, Chhattisgarh, East Uttar Pradesh, Tamil Nadu, Assam & Meghalaya and **heavy rainfall** at isolated places over East Madhya Pradesh, West Bengal & Sikkim, Bihar, Arunachal Pradesh, Tripura and Kerala.
- **Significant rainfall recorded (in cm):**
  - ✓ **East Uttar Pradesh:** Churk (dist Sonbhadra) 16, Robertsganj (dist Sonbhadra) 12, Chopan Fmo (dist Sonbhadra) 12, Jaunpur Cwc (dist Jaunpur) 7,
  - ✓ **Odisha:** Bamra (dist Sambalpur) 15, Banspal (dist Keonjhar) 13, Ghasipura (dist Keonjhar) 13, Anandpur (dist Keonjhar) 13, Bhuban (dist Dhenkanal) 11, Rajkishorenagar (dist Angul) 11, Bahanga (dist Balasore) 9, Jhumpura (dist Keonjhar) 9, Sukinda (dist Jajpur) 9, Bargaon (dist Sundargarh) 9, Laikera (dist Jharsuguda) 9, Jamankira (dist Sambalpur) 8, Soro (dist Balasore) 8, Nh5 Gobindpur (dist Balasore) 8, Daitari (dist Keonjhar) 8, Danagadi (dist Jajpur) 8, Niali (dist Cuttack) 8, Keonjhar (dist Keonjhar) 8, Rajghat (dist Balasore) 8, Telkoi (dist Keonjhar) 8, Kirmira (dist Jharsuguda) 8, Nilgiri (dist Balasore) 7, Talcher (dist Angul) 7, Tensa (dist Sundargarh) 7, Udala (dist Mayurbhanj) 7, Jaleswar (dist Balasore) 7, Kakatpur (dist Puri) 7, Rasagovindapur (dist Mayurbhanj) 7, Oupada (dist Balasore) 7, Lakhanpur (dist Jharsuguda) 7, Athgarh (dist Cuttack) 7, Kaptipada (dist Mayurbhanj) 7, Balasore (dist Balasore) 7, Nimpura (dist Puri) 7,
  - ✓ **Jharkhand:** Dhurki-15; Japla-10; Danadai; Ramna; Hariharganj, Kandi-8 Each; Bhandaria-7
  - ✓ **Assam & Meghalaya:** Barpeta Kvk Aws (Dist: Barpeta) 14, Hazuwa (Dist: Barpeta) 12, Silchar Jns College Aws (Dist: Cachar) 12, Barpeta (Dist: Barpeta) 10, Beki Road Bridge (Dist: Barpeta) 09, Dhemaaji (Dist: Dhemaaji) 09, , Mawsynram (Dist East Khasi Hills) 08, Barpeta Arg (Dist: Barpeta) 07
  - ✓ **Chhattisgarh:** Wandraf Nagar (dist Balrampur) 13, Pratappur (dist Surajpur) 12, Bhairamgarh (dist Bijapur) 11, Ambikapur (dist Surguja) 7, Tamnar (dist Raigarh) 7,
  - ✓ **Tamil Nadu:** Kurunthancode (dist Kanyakumari) 13, Nagercoil (dist Kanyakumari) 10, Kanyakumari (dist Kanyakumari) 9, Kottaram (dist Kanyakumari) 8, Adayamadai (dist Kanyakumari), Mylaudy (dist Kanyakumari), Kozhiporvilai (dist Kanyakumari), Eraniel (dist Kanyakumari), Mambzhathuraiyaru (dist Kanyakumari), Anaikedanku (dist Kanyakumari) 7 each,
  - ✓ **Gangetic West Bengal:** Sabang-10, Bankura(Fmoasl)- 8, Bankura (Org)-7, Kangsabati -7,
  - ✓ **Arunachal Pradesh:** Itanagar Cwc (Dist: Papumpare)10, Itanagar (Dist: Papumpare)08, Yupia Phed (Dist: Papumpare)-8
  - ✓ **Bihar:** Chenari (dist Rohtas) 8,
  - ✓ **Sub-Himalaya West Bengal & Sikkim:** Samsing (Kalimpong)- 7
  - ✓ **East Madhya Pradesh:** Mada (dist Singrauli) 7,
  - ✓ **Kerala:** Trivandrum Aero (dist Thiruvananthapuram) 7,
  - ✓ **Tripura:** Dhalai-7

**Obsy:** Observatory; **AWS:** Automatic Weather Station; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation



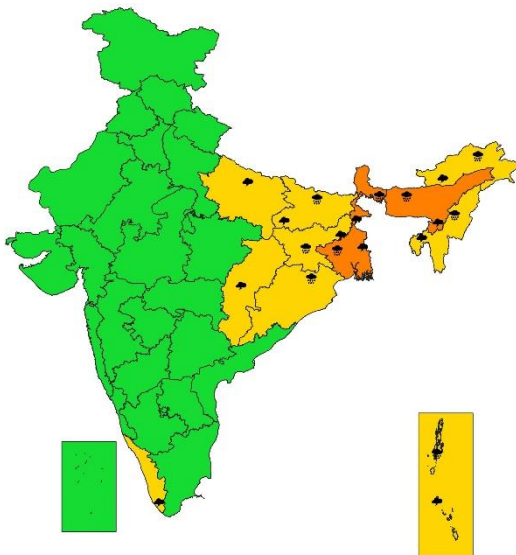
SUBDIVISIONWISE WEATHER WARNING FOR DAY 1  
( 3-10-2023 )



- |  |   |  |
|--|---|--|
| <b>Subdivision Warning</b><br>Heavy Rain<br>Heavy Snow<br>Thunderstorms & Lightning<br>Hailstorm | Dust Storm<br>Strong Surface Winds<br>Heat Wave<br>Cold wave<br>Fog | <b>Subdivision color</b><br>NO WARNING<br>WATCH (BE UPDATED)<br>ALERT (BE PREPARED)<br>WARNING (TAKE ACTION) |
|--|---|--|



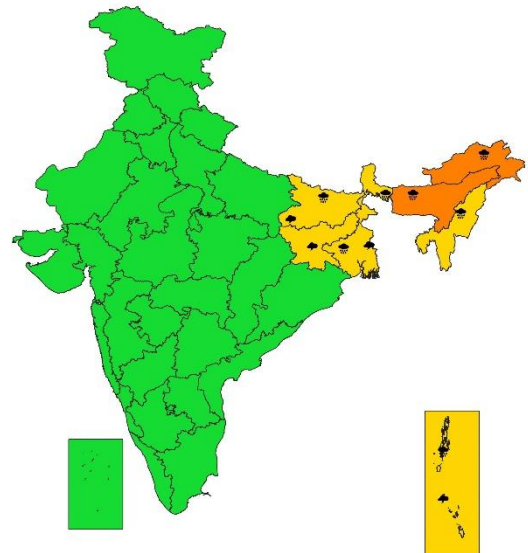
SUBDIVISIONWISE WEATHER WARNING FOR DAY 2  
( 4-10-2023 )



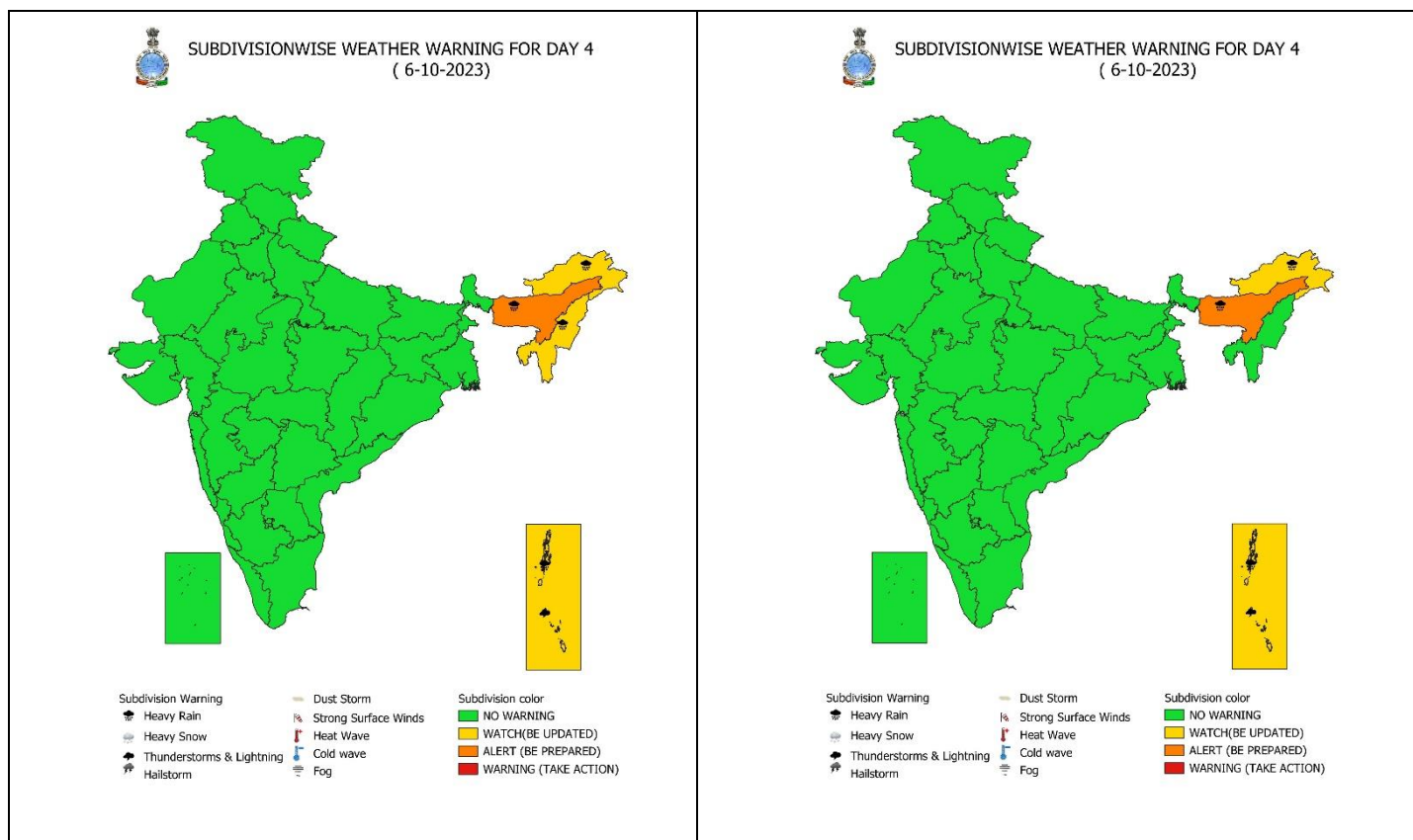
- |  |   |  |
|--|---|--|
| <b>Subdivision Warning</b><br>Heavy Rain<br>Heavy Snow<br>Thunderstorms & Lightning<br>Hailstorm | Dust Storm<br>Strong Surface Winds<br>Heat Wave<br>Cold wave<br>Fog | <b>Subdivision color</b><br>NO WARNING<br>WATCH (BE UPDATED)<br>ALERT (BE PREPARED)<br>WARNING (TAKE ACTION) |
|--|---|--|



SUBDIVISIONWISE WEATHER WARNING FOR DAY 3  
( 5-10-2023 )



- |  |   |  |
|--|---|--|
| <b>Subdivision Warning</b><br>Heavy Rain<br>Heavy Snow<br>Thunderstorms & Lightning<br>Hailstorm | Dust Storm<br>Strong Surface Winds<br>Heat Wave<br>Cold wave<br>Fog | <b>Subdivision color</b><br>NO WARNING<br>WATCH (BE UPDATED)<br>ALERT (BE PREPARED)<br>WARNING (TAKE ACTION) |
|--|---|--|



**Impact & Action Suggested due to very heavy rainfall** over north Odisha, Jharkhand, East Uttar Pradesh and south Kerala on 03rd; over West Bengal & Sikkim on 03rd & 04th, Assam & Meghalaya during 04th-06<sup>th</sup> and Arunachal Pradesh on 05th October, 2023.

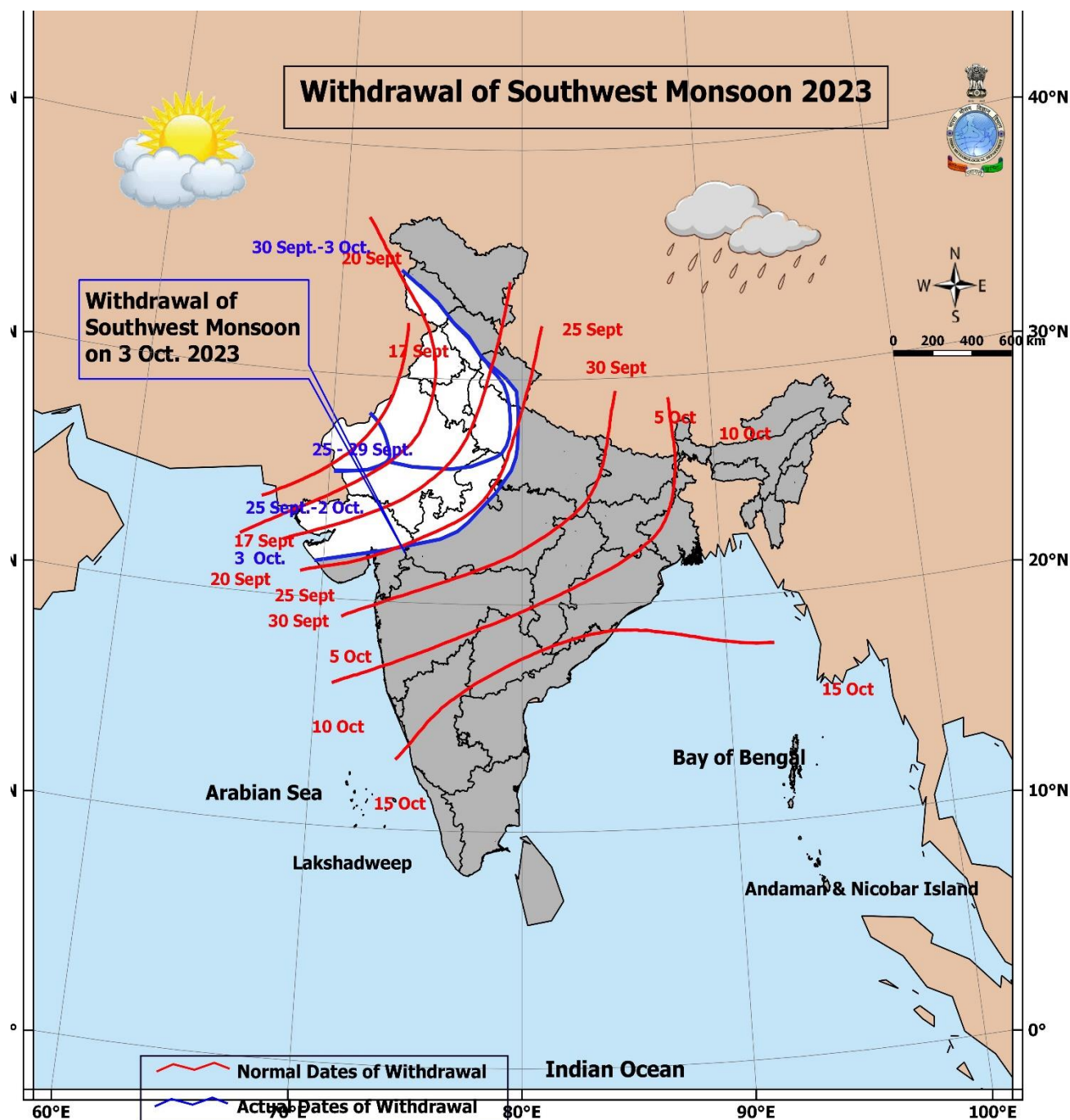
#### A. Impact Expected

- ❖ 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 in the hilly areas.
- ❖ 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).

#### B. 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



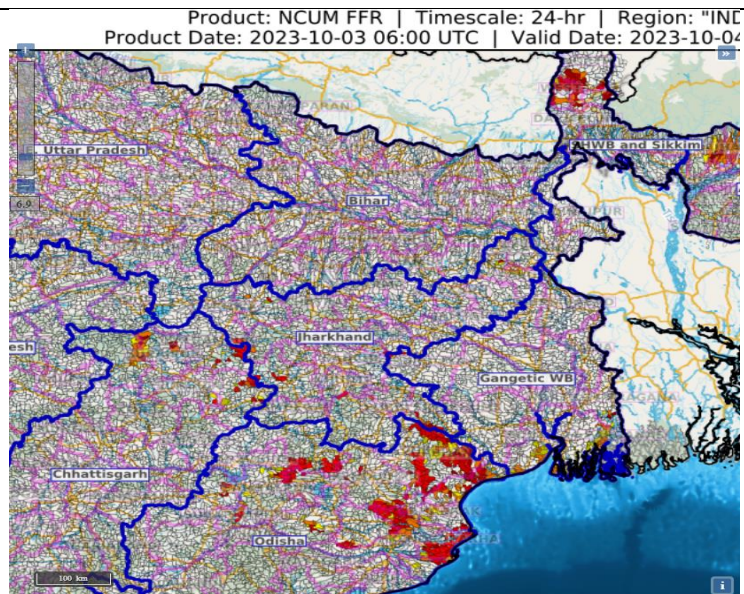


## Flash Flood Guidance Map

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 04-10-2023 :

**Low to Moderate flash flood risk** likely over few watersheds & neighbourhoods of northern parts of **Chhattisgarh**, northern parts of **Odisha** adjoining **Gangetic West Bengal** and **SHWB & Sikkim** 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.





## Legends:

- ❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **AWS:** Automatic Weather Station
- ❖ **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-Himalaya 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 Marathwada.
  - **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

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)

Subdivision Warning	 Dust Storm	Subdivision color
 Heavy Rain	 Strong Surface Winds	 NO WARNING
 Heavy Snow	 Heat Wave	 WATCH(BE UPDATED)
 Thunderstorms & Lightning	 Cold wave	 ALERT (BE PREPARED)
 Hailstorm	 Fog	 WARNING (TAKE ACTION)

Probabilistic Forecast	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

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