



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

**Press Release**  
**Date: 12<sup>th</sup> September, 2022**  
**Time of Issue: 1245 hrs IST**

- Subject:** (i) **Wet spell likely over plains of Northwest India & Uttarakhand during 14<sup>th</sup>-16<sup>th</sup> September, 2022.**  
ii) **Depression over south Odisha weakened into a Well Marked Low Pressure Area over southeast Madhya Pradesh & neighbourhood.**  
(ii) **Intense spell of rainfall likely to continue over south Gujarat Region, north Maharashtra and Madhya Pradesh during next 5 days.**

**Weather observed during past 24 hours ending at 0830 hrs IST of today: (Refer Annex. I)**

**Weather systems, rainfall/thunderstorm Forecast & Warnings: (Warning Graphics in Annexure II)**

- Yesterday's **Depression** over south Odisha moved west-northwestwards and weakened into a **Well Marked Low Pressure Area** at 0830 hrs IST of today, the 12th September 2022 over southeast Madhya Pradesh & neighbourhood. It is likely to move nearly northwestwards across Madhya Pradesh during next 48 hours. **(Annex.III)**
- The **monsoon trough** runs south of its normal position. It is likely to remain so during next 2-3 days.
- A cyclonic circulation lies over Eastcentral Arabian Sea off south Maharashtra-Goa coasts upto middle tropospheric levels.
- A trough runs from the above cyclonic circulation to central parts of Bangladesh across the Well-marked Low Pressure Area over southeast Madhya Pradesh in lower tropospheric levels.

**Under the influence of the above systems:**

- FWS/WS light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Marathwada on 12<sup>th</sup>; Chhattisgarh & Vidarbha on 12<sup>th</sup> & 13<sup>th</sup>; Bihar on 13<sup>th</sup> & 14<sup>th</sup>; Jharkhand, Saurashtra & Kutch, West Bengal and Odisha during 12<sup>th</sup>-14<sup>th</sup>; Madhya Pradesh, Gujarat Region, Madhya Maharashtra and Konkan & Goa during next 5 days. **Isolated very heavy rainfall also likely over Gangetic West Bengal & Vidarbha on 12<sup>th</sup>; East Madhya Pradesh & Gujarat Region on 12<sup>th</sup> & 13<sup>th</sup>; West Madhya Pradesh during 13<sup>th</sup>-15<sup>th</sup>; ghat areas of Madhya Maharashtra during 12<sup>th</sup>-15<sup>th</sup> and over Konkan & Goa during next 5 days.**
- FWS/WS light/moderate rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over East Rajasthan during 12<sup>th</sup>-15<sup>th</sup> and over Uttarakhand & Uttar Pradesh during next 5 days. **Isolated very heavy rainfall also likely over East Rajasthan on 14<sup>th</sup>; Uttarakhand during 14<sup>th</sup>-16<sup>th</sup> and over Uttar Pradesh on 15<sup>th</sup> & 16<sup>th</sup> September, 2022.**
- FWS/WS light/moderate rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Telangana & Interior Karnataka on 12<sup>th</sup>; ghat areas of Tamilnadu on 12<sup>th</sup> & 13<sup>th</sup> and over Coastal Karnataka during 12<sup>th</sup>-14<sup>th</sup> September, 2022. **Isolated very heavy rainfall also likely over Coastal Karnataka and ghat areas of Tamilnadu on 12<sup>th</sup> September, 2022.**
- **Wind warning:** Squally weather (wind speed reaching 40-50 kmph gusting to 60 kmph) are very likely to prevail over northwest & westcentral Bay of Bengal and along & off North Andhra Pradesh, Odisha & West

Bengal coasts on 12<sup>th</sup> September and off North Andhra Pradesh & Odisha coasts on 13<sup>th</sup> September, 2022.

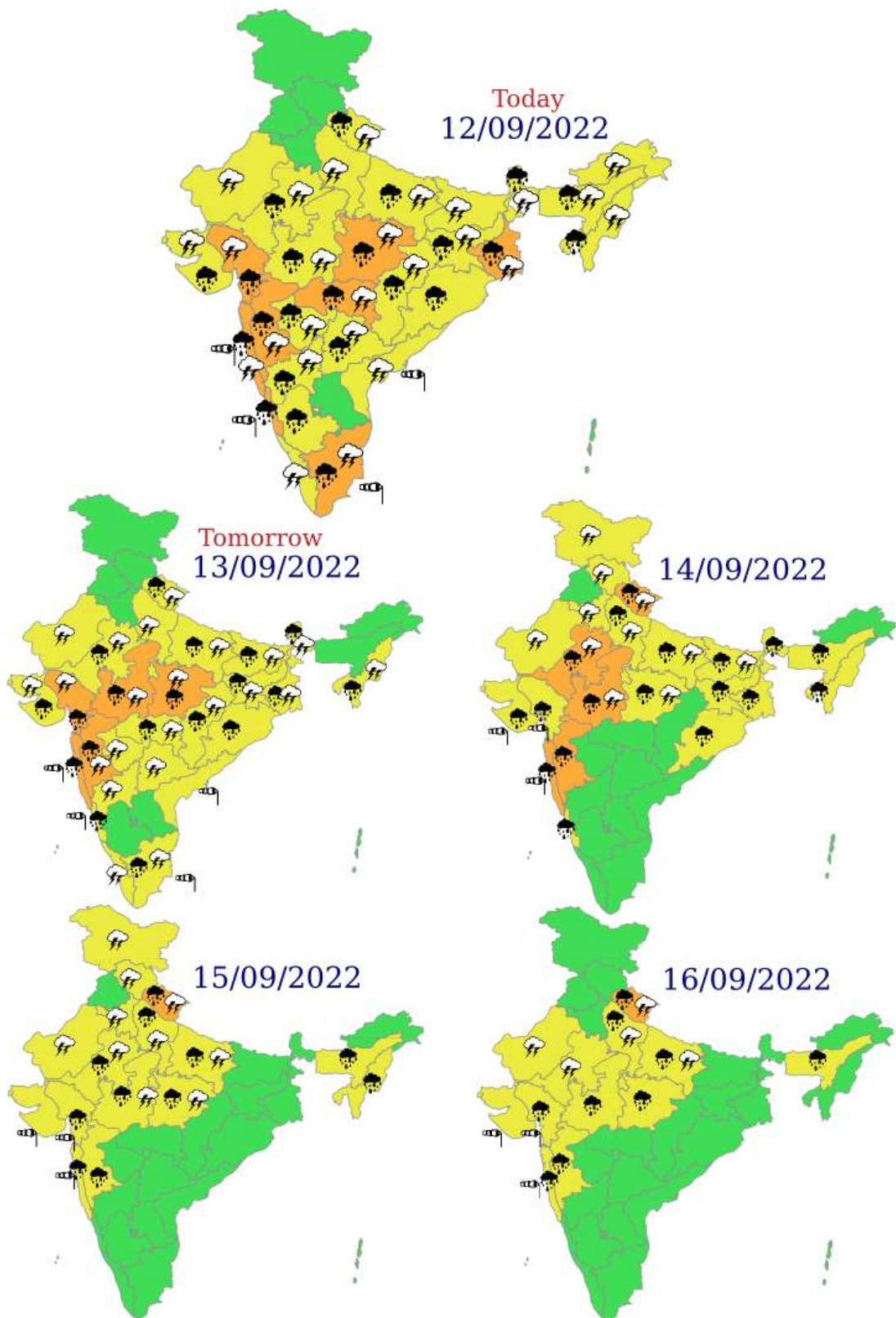
- **Sea condition:** Sea condition will be rough to very rough over northwest & westcentral Bay of Bengal and along & off Andhra Pradesh, Odisha & West Bengal coasts on 12<sup>th</sup> September and off North Andhra Pradesh & Odisha coasts on 13<sup>th</sup> September, 2022.
- **Fishermen Warning:** Fishermen are advised not to venture into northwest & westcentral Bay of Bengal and along & off Andhra Pradesh, Odisha & West Bengal coasts on 12<sup>th</sup> September and off North Andhra Pradesh & Odisha coasts on 13<sup>th</sup> September, 2022.

For more details kindly refer: [https://mausam.imd.gov.in/imd\\_latest/contents/all\\_india\\_forcast\\_bulletin.php](https://mausam.imd.gov.in/imd_latest/contents/all_india_forcast_bulletin.php)

**Heavy to very heavy rainfall** at isolated places over Chhattisgarh, Vidarbha, Coastal Karnataka, Telangana and Tamil Nadu and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, Konkan & Goa, Madhya Maharashtra, Marathwada, Gangetic West Bengal, Odisha, East Rajasthan, Madhya Pradesh, Saurashtra & Kutch and South Interior Karnataka.

**Rainfall (in cm):**

- ❖ **Coastal Karnataka:** Castle Rock (dist Uttara Kannada) 17, Kumta (dist Uttara Kannada) 15, Honavar Obsv (dist Uttara Kannada) 9, Gersoppa (dist Uttara Kannada) 8, Ankola (dist Uttara Kannada) 8, Gokarna (dist Uttara Kannada) 7, Kollur (dist Udupi) 7;
- ❖ **Tamil Nadu:** Nilgiris: Pandalur-16, Wood Braiyar Estate-11;
- ❖ **Telangana:** Laxmanchanda (dist Nirmal) 15, Khanpur (dist Nirmal) 13, Sarangapurnrl (dist Nirmal) 12, Dahegaon (dist Kumaram Bheem) 12, Bazarhathnoor (dist Adilabad) 12, Bejjur (dist Kumaram Bheem) 11, Boath (dist Adilabad) 11, Mudhole (dist Nirmal) 10, Kotapalle (dist Mancherial) 10, Nirmal (dist Nirmal) 10, Dilawarpur (dist Nirmal) 9, Navipet (dist Nizamabad) 9, Metpalle (dist Jagtial) 9, Mallapur (dist Jagtial) 8, Chennur (dist Mancherial) 7, Yellareddy (dist Kamareddy) 7, Velpur (dist Nizamabad) 7;
- ❖ **Chhattisgarh:** Mohla (dist Rajnandgaon) 13, Durgkondal (dist Kanker) 12, Pakhanjur (dist Kanker) 11, Bijapur (dist Bijapur) 11, Manpur (dist Rajnandgaon) 10, Bhanupratappur (dist Kanker) 9, Usoor (dist Bijapur) 9, Katekalyan (dist Dantewada) 9, Doundi (dist Balod) 8, Bhairamgarh (dist Bijapur) 8, Korba (dist Korba) 7;
- ❖ **Vidarbha:** Arjuni Morgaon (dist Gondia) 13, Ballarpur (dist Chandrapur) 13, Chandrapur (dist Chandrapur) 12, Gadchiroli (dist Gadchiroli) 12, Dhanora (dist Gadchiroli) 12, Arni (dist Yeotmal) 11, Korchi (dist Gadchiroli) 11, Chandur Rlwy (dist Amraoti) 11, Ahiri (dist Gadchiroli) 11, Darwha (dist Yeotmal) 10, Dhamangaon Rlwy (dist Amraoti) 10, Lakhandur (dist Bhandara) 10, Wani (dist Yeotmal) 9, Gondpipri (dist Chandrapur) 9, Kurkheda (dist Gadchiroli) 9, Ner (dist Yeotmal) 9, Pandherikawara (dist Yeotmal) 9, Chamorshi (dist Gadchiroli) 8, Bhamragad (dist Gadchiroli) 8, Nagpur Aerodrome (dist Nagpur) 8, Zarizamni (dist Yeotmal) 8, Nandgaonkazi (dist Amraoti) 8, Babulgaon (dist Yeotmal) 8, Mulchera (dist Gadchiroli) 8, Bhiwapur (dist Nagpur) 8, Ghatanji (dist Yeotmal) 8, Saoli (dist Chandrapur) 7;
- ❖ **Madhya Maharashtra:** Gaganbawada (dist Kolhapur) 11, Chandgad (dist Kolhapur) 9, Paud Mulshi (dist Pune) 7, Radhanagari (dist Kolhapur) 7;
- ❖ **West Madhya Pradesh:** Neapanagar (dist Burhanpur) 11, Khaknar (dist Burhanpur) 11, Bhainsdehi (dist Betul) 10, Jhirnya (dist Khargone) 9, Gogawan (dist Khargone) 8, Khargone-aws (dist Khargone) 8, Khandwa (dist Khandwa) 7, Bhikangaon (dist Khargone) 7, Pansemal (dist Barwani) 7, Pandhana (dist Khandwa) 7, Burhanpur (dist Burhanpur) 7;
- ❖ **Gangetic West Bengal:** Digha & Contai-11 each, Haldia-8, Uluberia & Sagar island-7 each;
- ❖ **Konkan & Goa:** Sawantwadi (dist Sindhudurg) 10, Lanja (dist Ratnagiri) 8, Mulde\_ Agri (dist Sindhudurg) 8, Pernem (dist North Goa) 7, Ambernath (dist Thane) 7, Kudal (dist Sindhudurg) 7, Sanguem (dist South Goa) 7, Murbad (dist Thane) 7, Margao (dist South Goa) 7, Uran (dist Raigad) 7, Ulhasnagar (dist Thane) 7;
- ❖ **South Interior Karnataka:** Bhagamandala (dist Kodagu) 9, Linganamakki Hms (dist Shivamogga) 7, Ponnampet Pwd (dist Kodagu) 7;
- ❖ **East Madhya Pradesh:** Seoni (dist Seoni) 9, Sausar (dist Chindwara) 8;
- ❖ **Himachal Pradesh:** Shimla-9;
- ❖ **Odisha:** Jajpur Pto ( Jajpur) 9, Lamataput ( Koraput) 8, Derabis ( Kendrapara) 7, Bhograi ( Balasore) 7, Kalinga ( Kandhamal) 7, Jaleswar ( Balasore) 7, Bolangir ( Bolangir) 7, Bijepur ( Bargarh) 7, Rajghat ( Balasore) 7;
- ❖ **Marathwada:** Bhokar (dist Nanded) 8;
- ❖ **Uttarakhand:** Bageshwar: Sama-8, Chamoli: Karnaprayag-7;
- ❖ **Nagaland:** Dimapur-8,
- ❖ **Saurashtra & Kutch:** Vallabhipur (dist Bhavnagar) 8, Babra (dist Amreli) 7, Jetpur (dist Rajkot) 7;
- ❖ **East Rajasthan:** Sirohi-7;
- ❖ **Meghalaya:** Mawsynram & Nongpoh-7 each;
- ❖ **Manipur:** Tamenglong-7.





**OBSERVED TRACK OF DEPRESSION NOW LIES AS WELL MARKED LOW PRESSURE AREA OVER SOUTHEAST MADHYA PRADESH AND NEIGHBOURHOOD BASED ON 0300 UTC OF 12<sup>th</sup> SEPTEMBER, 2022**

Annexure III



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 ( $\geq$  120 KT)

- LESS THAN 34 KT
- ⊖ 34-47 KT
- ⊖  $\geq$  48 KT
- ▬ OBSERVED TRACK
- ▬ FORECAST TRACK
- ▲ CONE OF UNCERTAINTY



## IMPACT EXPECTED & ACTION SUGGESTED DUE TO-

Isolated **very heavy rainfall** over Gangetic West Bengal, Vidarbha Coastal Karnataka & ghat areas of Tamilnadu on 12th; East Madhya Pradesh & Gujarat Region on 12th & 13th; West Madhya Pradesh during 13th-15th; East Rajasthan on 14th; ghat areas of Madhya Maharashtra during 12th-15th; Konkan & Goa during 12th-16th; Uttarakhand during 14th-16th and over Uttar Pradesh on 15th & 16th September, 2022.

### 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
- 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.

### Legends:

**Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4 mm.

#### Region wise classification of meteorological Sub-Divisions:

- 1) **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.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **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)



Thunderstorm with Lightning

WARNING
WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

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