



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 28th September, 2021

Time of Issue: 1400 hrs IST

Subject: (i) Intense spell of rainfall over Gujarat state, north Konkan, north Madhya Maharashtra and Marathwada during next 2 days in association with Well Marked Low Pressure area over western parts of Vidarbha.

(ii) Intense spell of rainfall over Gangetic West Bengal, Odisha & Jharkhand during next 2 days in association with Well Marked Low Pressure Area over Northwest Bay of Bengal & adjoining coastal areas of West Bengal.

Rainfall Amount recorded (from 0830 hours IST of yesterday to 0830 hours IST of today) (7 cm or more): Given at annexure.

Weather Systems:

- ✓ The **Depression** over Telangana and adjoining areas of Marathwada & Vidarbha moved west-northwestwards and weakened into a Well Marked Low Pressure Area over western parts of Vidarbha & neighbourhood. It is likely to move northwest wards and weaken further during next 24 hours. It is likely to emerge into northeast Arabian Sea & adjoining Gujarat coast around 30th September and there is likelihood for the system to further intensity into Depression over northeast Arabian Sea during subsequent 24 hours.
- ✓ Under the influence of the cyclonic circulation over Northeast & adjoining Eastcentral Bay of Bengal, a **Low Pressure Area** has formed over Northwest Bay of Bengal & adjoining coastal areas of West Bengal. It has become Well Marked Low Pressure Area into the afternoon.
- ✓ The east-west trough runs from north Konkan to north Coastal Andhra across cyclonic circulation associated with Depression over southwest Vidarbha & neighbourhood in lower & middle tropospheric levels.

Under the influence of the above systems:

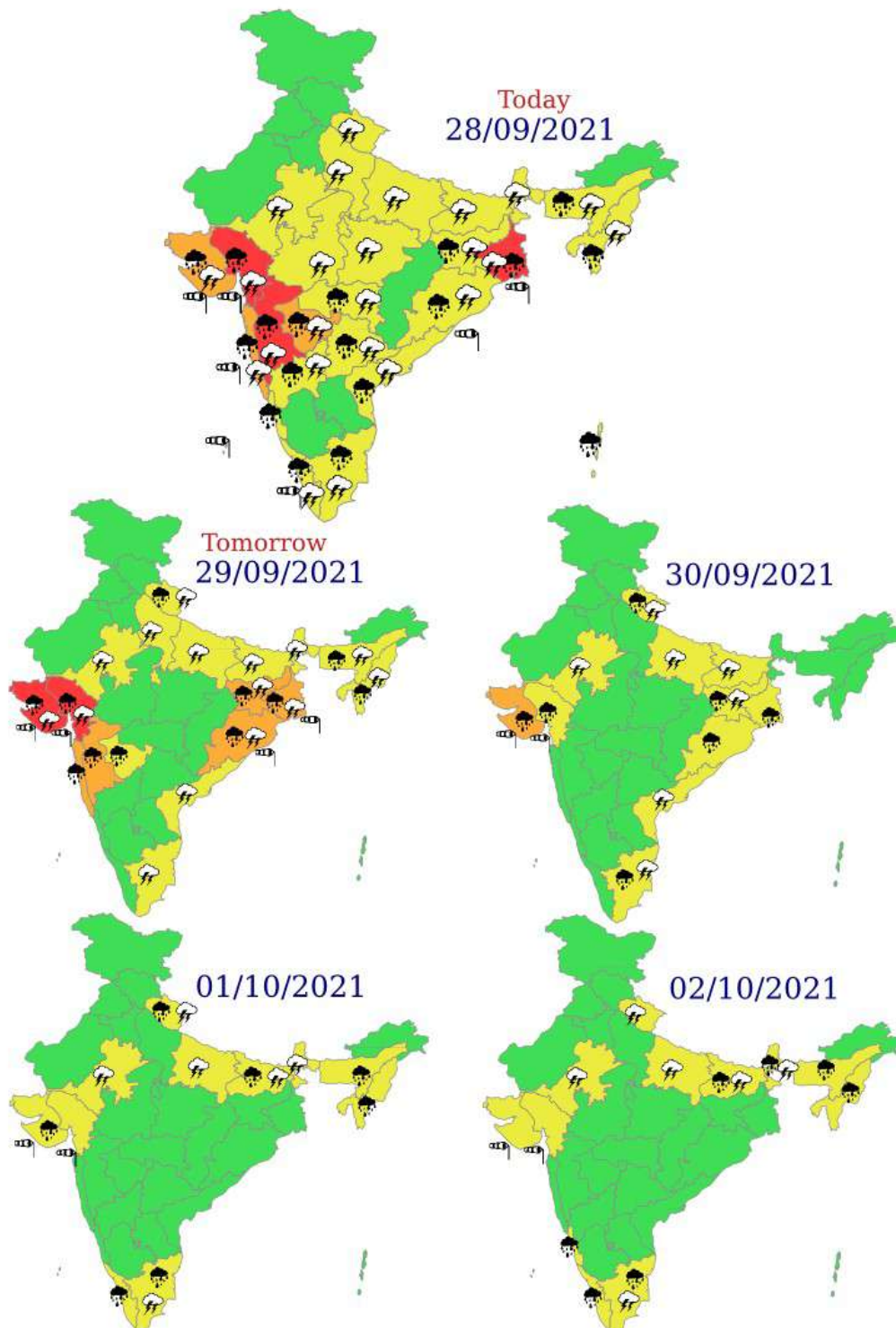
- ✓ **28th Sept.:** **Heavy to very heavy rainfall with extremely heavy falls** very likely at isolated places over south Gujarat region, north Madhya Maharashtra, Marathwada, north Konkan, Gangetic West Bengal; **Heavy to very heavy rainfall** at isolated places over Saurashtra; **Heavy rainfall** at isolated places over Odisha and Jharkhand.
- ✓ **29th Sept.:** **Heavy to very heavy rainfall with extremely heavy falls** very likely at isolated places over Gujarat state **Heavy to very heavy rainfall** at isolated places

over Gangetic West Bengal, Odisha, Jharkhand, north Madhya Maharashtra & north Konkan; **Heavy rainfall** at isolated places over Marathwada.

- ✓ **30th Sept.:** **Heavy to very heavy rainfall** very likely at isolated places over Saurashtra & Kutch; **Heavy rainfall** at isolated places over Odisha, Gangetic West Bengal and Gujarat Region.

For detailed forecast and warning refer:

https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php



- ✓ **EXPECTED IMPACT & ACTION SUGGESTED due to Extremely/Very Heavy Rainfall** over Gujarat region, north Madhya Maharashtra, north Konkan and Gangetic West Bengal on 28th & 29th; Saurashtra & Kutch during 28th -30th; Marathwada on 28th; Odisha and Jharkhand on 29th September, 2021

A. Impact Expected

- Localized Flooding of roads, inundation and 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 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:** Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; Himachal Pradesh, 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)



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



24-hour accumulated rainfall (7 cm or more) realised over the country (from 0830 hrs IST of 27th to 0830 hrs IST of 28th September, 2021)

- **Telangana:** Jakranpalle 23, Navipet 21, Dhar Palle (dist Nizamabad) 21, Ranjal (dist Nizamabad) 18, Dich Palle (dist Nizamabad) 18, Armur (dist Nizamabad) 18, Nandipet (dist Nizamabad) 17, Chandurthi (dist Rajanna Sircilla) 17, Sirsilla (dist Rajanna Sircilla) 17, Jammikunta (dist Karimnagar) 16, Bheemgal (dist Nizamabad) 16, Yeda Palle (dist Nizamabad) 15, Makloor (dist Nizamabad) 15, Ellanthukunta (dist Rajanna Sircilla) 15, Jukkal (dist Kamareddy) 15, Sarangapurnrl (dist Nirmal) 15, Velpur (dist Nizamabad) 15, Kothagudem, Khammam-11 each, Mahabubabad, Adilabad-9 each, Ramgundam, Medak, Kamareddy and -7 each
- **Odisha:** Cuttack-13, Gajapati-8, Jajpur-7
- **Marathwada:** Nanded-15, Aurangabad-13, Beed-11; Osmanabad and Latur-10 each; Jalna and Bir-8 each, Hingoli and Parbhani-7 each;
- **Coastal Andhra Pradesh & Yanam:** Vishakhapatnam and West Godavari-13; Krishna and Vijaywada-8 each
- **Vidarbha:** Chandrapur-10; Buldana-9
- **Chhattisgarh:** Dantewada-18
- **Gujarat Region:** Mehsana-9
- **Saurashtra & Kutch:** Amreli-12, Gir Somnath-8. Jamnagar, Junagarh, Morbi and Porbandar-7 each
- **Andaman & Nicobar Islands:** Nicobar and Nancowry-16 each
- **West Rajasthan:** Jaisalmer-6
- **East Rajasthan:** Dungarpur-10, Banswara-7
- **Madhya Maharashtra:** Jalgaon-11, Kolhapur-7
- **West Madhya Pradesh:** Dewas-7
- **Tamilnadu:** Coimbatore-13
- **Kerala:** Palakkad-10, Ernakulum-8, Kottayam, Kannur and Thrissur-7 each