



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 29th September, 2021

Time of Issue: 1345 hrs IST

Subject: (i) Intense spell of rainfall likely to continue over Gujarat state, north Konkan on today, the 29th September and decrease thereafter.
(ii) Intense spell of rainfall over Gangetic West Bengal, Odisha & Jharkhand on 29th & 30th September and over Bihar from 30th September to 3rd October, 2021.

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

❖ **Weather Systems:**

◆ Yesterday's **Well Marked Low Pressure Area** now lies over north Madhya Maharashtra and adjoining Gujarat region & southwest Madhya Pradesh now lies over south Gujarat region and adjoining Gulf of Khambhat . . It is very likely to move west-northwestwards, emerge into northeast Arabian Sea & intensify into a Depression by tomorrow, the 30th Sept. 2021, morning. Then it is very likely to move further west-northwestwards and intensify into a Cyclonic Storm during the subsequent 24 hours. Thereafter it is likely to continue to move west-northwestwards towards Pakistan – Makran coasts, moving away from the Indian coast.

◆ Yesterday's **Well Marked Low Pressure Area** now lies over western parts of Gangetic West Bengal and neighborhood.

◆ The east-west trough now runs from the cyclonic circulation associated with the Well Marked Low Pressure Area over south Gujarat region and adjoining Gulf of Khambhat to the cyclonic circulation associated with the Well Marked Low Pressure Area over western parts of Gangetic West Bengal and neighborhood across Madhya Pradesh, Chhattisgarh and Jharkhand and extends upto middle tropospheric levels.

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

❖ **Heavy rainfall warning:**

29th Sept.: (i) Light to moderate rainfall at most places with **heavy to very heavy falls** at a few places & **extremely heavy falls** at isolated places very likely over Saurashtra & Kutch and **heavy to very heavy & extremely heavy falls** at isolated places over Gujarat region, Daman, Diu, Dadra & Nagar Haveli and **heavy to very heavy falls** at isolated places over north Konkan.

(ii) **Heavy to very heavy rainfall** very likely at isolated places over Gangetic West Bengal, Odisha, Jharkhand.

- ✓ **30th Sept.:** (i) Light to moderate rainfall at most places with **heavy to very heavy falls** at isolated places very likely over Saurashtra & Kutch **and heavy falls** at isolated places over Gujarat region and north Konkan.
- ✓ **(ii) Heavy rainfall** at isolated places over Gangetic West Bengal, Odisha and Jharkhand.

- ✓ **Heavy rainfall** at isolated places likely over Bihar **from 30th September to 03rd October, 2021. Very heavy falls** also very likely over Bihar on 01st & 02nd September, 2021.

❖ **Fishermen Warning:**

- In view of likely tropical Cyclone formation over Northeast Arabian sea, Fishermen are advised not to venture into north & adjoining central Arabian Sea and along & off Gujarat & north Maharashtra coasts from 30th September till 2nd October 2021.
- Fishermen who are out at Sea over the above region are advised to return to safer places / back to coast by today evening.

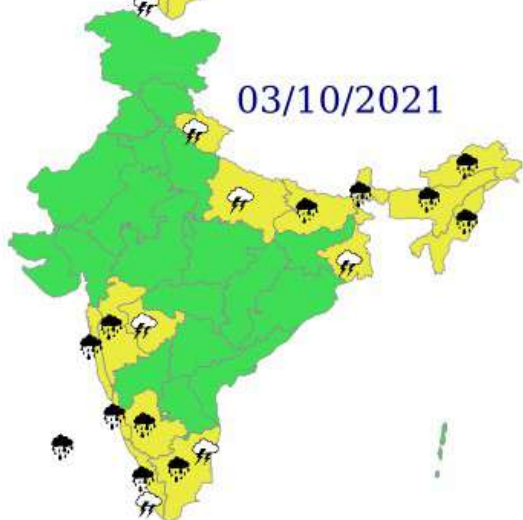
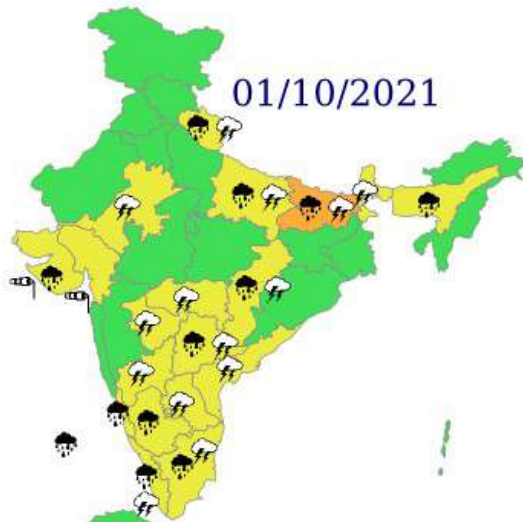
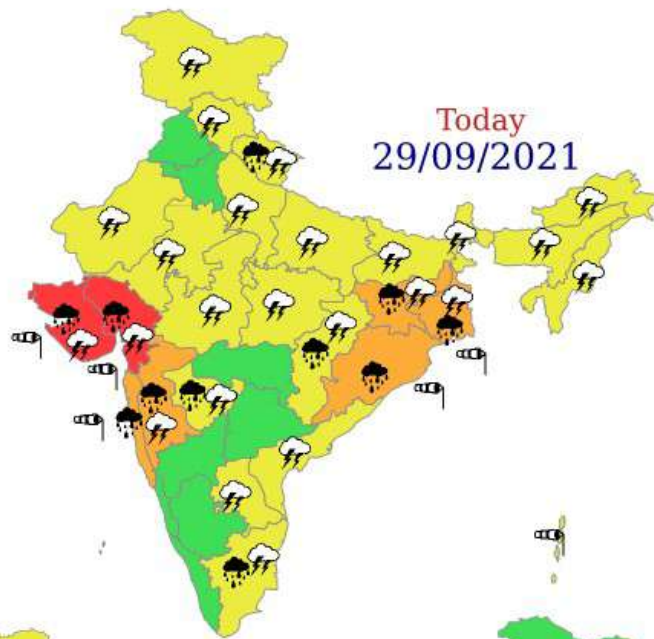
❖ **Wind Warning, Sea Conditions:**

For details of Wind Warning, Sea Conditions refer

https://rsmcnewdelhi.imd.gov.in/uploads/archive/1/1_32bcde_1.%20Special_Bulletin_20210929.pdf

- ✓ 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, Gangetic West Bengal, Odisha and Jharkhand on 29th; Saurashtra & Kutch on 29th & 30th; Bihar on 01st & 02nd October, 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 28th to 0830 hrs IST of 29th September, 2021)

Gujarat Region: Khanvel-37, Silvasa, Surat-22, Bharuch-18, Dangs,Valsad, Narmada-16, Ahmedabad-15, Anand, Tapi-14, Navsari-10, Chhota Udepur-8, Vadodra, Daman-8;

Saurashtra & Kutch: Jamnagar-14, Rajkot-11, Botad-10, Junagarh-8; Kerala & Mahe: Malappuram-8, Palakkad-7;

Gangetic West Bengal: Haldia-21, Mohanpur-19, Kharagpur, Midnapore, Kalaikunda-17, Sagar Islands, Diamond Harbour,-15 each, Digha, Contai, Kakdwip-10, Alipore, Uluberia-9, Jhargram-7;

Konkan & Goa: Palghar-19, Thane-15, Raigad-13, Sindhudurg-10;

Madhya Maharashtra: Nandurbar-18, Nasik-15, Ahmednagar-14, Jalgaon-12, Pune-9, Dhule-7;

Marathwada: Aurangabad-14;

Chhattisgarh: Bilaspur, Mungeli-8 each, Balrampur-7;

West Madhya Pradesh: Barwani-9;

Himachal Pradesh: Solan-7;

Coastal Karnataka: Udupi, Ankola-7;

South Interior Karnataka: Chikkamangaluru, Shivamoga-7.