



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 13th September, 2021

Time of Issue: 1400 hrs IST

Subject: i) Current spell of Heavy to very heavy rainfall at a few places & extremely heavy falls at isolated places very likely to continue over Odisha and Chhattisgarh today, the 13th September and reduce thereafter.

ii) Enhanced rainfall activity of heavy to very heavy rainfall spell likely to continue over Gujarat State till 16th September and over Madhya Pradesh on 14th and 15th September.

iii) Increase in rainfall over parts of plains of northwest India with fresh spell of heavy rainfall at isolated places over Haryana, Rajasthan and west UP from 16 September.

Rainfall amount recorded (from 0830 hours IST of yesterday to 0830 hours IST of today) (7 cm or more): Odisha: Astaranga-53; Kakatpur-52; Balikuda-44; Kantapada-38; Biali-37; Puri-34, Satyabadi-33, Rangunathpur-32; Balipatna and Kendrapada-28 each, Marshaghai-27, Kujanga, Pipli and Jagatsinghpur-26 each; Paradip-22; Cuttack-12; Gopalpur-7 (For further more rainfall data over Odisha, kindly refer to Annexure given in page no. 6.); **Chhattisgarh:** Balrampur-9; Dantewada, Gariaband and Rajnandgaon-7 each; **Himachal Pradesh:** Manali-10; **Saurashtra & Kutch:** Jamnagar-18; Rajkot-14; Devbhoomi Dwarka-10; Junagarh-9; Porbandar-7; **Gujarat region:** Valsad-16; Anand-9; Dangs-8; Navsari-7; **Madhya Maharashtra:** Kolhapur-15; Satara, Nasik, Mahabaleshwar-10, Nandurbar-9, Pune-7; **Konkan & Goa:** Thane-14; Ratnagiri-13; Palghar and Harnai-10; South Goa-8; Raigad, Matheran-7; **Tamilnadu:** Coimbatore-10; Valprai-9; **Coastal Karnataka:** Manki and Castle Rock-11, Honavar and Udupi-8, Siddapur-7; South Interior Karnataka: Shivamogga-11; Kodagu-7; **Kerala:** Waynad-9; Idukki-8; Kollam-7.

Weather Systems:

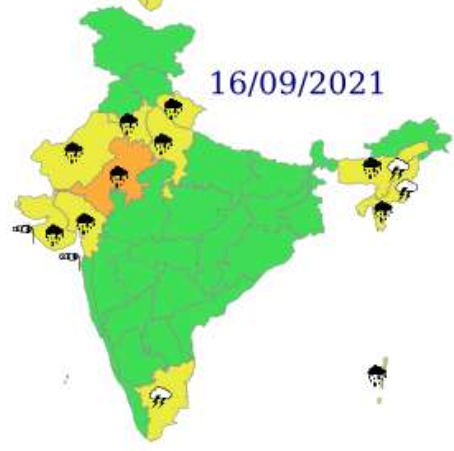
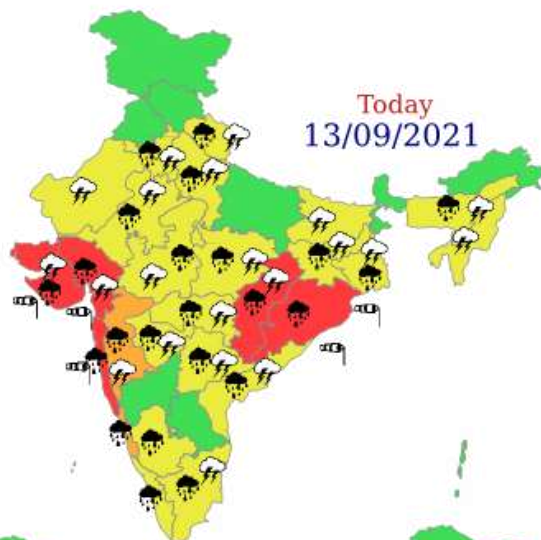
- Yesterday's Well Marked Low Pressure Area concentrated first into a Depression and then into a Deep Depression and now lies over north coastal Odisha. It lay centred at 0830 hrs IST of today, the 13th September, 2021, over north coastal Odisha, near latitude 20.9°N and longitude 86.5°E, about 20 km west-northwest of Chandbali and 120 km east-southeast of Keonjhar (Odisha). It is very likely to continue to move west-northwestwards across north Odisha, north Chhattisgarh & Madhya Pradesh during next 48 hours. It is very likely to weaken into a Depression during next 24 hours.
- The other Low Pressure Area now lies over south Gujarat region & neighbourhood with the associated cyclonic circulation extending upto 5.8 km above mean sea level tilting southwestwards with height persists. It is very likely to become less marked during next 24 hours.
- The monsoon trough lies south of its normal position. It is very likely to remain south of its normal position during next 3-4 days.

Weather forecast and Warning:

- ✓ Fairly widespread to widespread rainfall over Odisha and Chhattisgarh **with isolated heavy to very heavy falls** and **Isolated extremely heavy falls** are likely over these areas on 13th with reduction thereafter.
- ✓ Fairly widespread to widespread rainfall **with isolated heavy to very heavy falls** very likely over north Konkan, north Madhya Maharashtra, Gujarat State, East Rajasthan, Madhya Pradesh during next 3-4 days. **Isolated heavy to very heavy falls** with **Isolated extremely heavy falls** are likely over north Konkan (Palghar) on 13th; over Gujarat state on 13th & 15th and over West Madhya Pradesh on 15th September.
- ✓ Scattered rainfall likely to continue over Peninsular India during next 5 days. **Isolated heavy falls** are likely over Coastal & South Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala during next 2 days. Isolated very heavy falls are likely over Coastal Karnataka on 13th September.
- ✓ Increase in rainfall over parts of plains of northwest India with fresh spell of heavy rainfall at isolated places over Haryana, Rajasthan and west Uttar Pradesh from 16 September.

[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 very Heavy/Extremely heavy Rainfall over Gujarat State during 13th-16th; north Konkan, Madhya Maharashtra on 13th & 14th; East Rajasthan on 15th & 16th; Madhya Pradesh during 14th- 15th; Chhattisgarh & Odisha on 13th 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 kutchha 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:** 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)



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



**24 hours accumulated realised rainfall over Odisha (mm) during
0830 hours IST of 12th to 0830 hours IST of 13th Sep., 2021**

Districts	Station	Rainfall
Puri	Astaranga	530.0
Puri	Kakatpur	525.0
Puri	Puri	342.5
Puri	Gop	331.0
Puri	Satyabadi	328.0
Khurda	Balipatna	280.5
Puri	Pipili	263.0
Puri	Brahmagiri	240.0
Khurda	Tangi	202.4
Khurda	Bhubaneswar	199.9
Puri	Krishnaprasad	179.4
Nayagarh	Nayagarh	154.7
Khurda	Bolagarah	148.0
Khurda	Banpur	139.0
Nayagarh	Odagaon	131.8
Nayagarh	Ranpur	125.4
Nayagarh	Dashpalla	112.2
Jagatsinghpur	Balikuda	440.0
Cuttack	Kantapada	381.0
Cuttack	Niali	370.0
Jagatsinghpur	Ragunathpur	323.0
Kendrapada	Kendrapada	276.0
Kendrapada	Marshaghai	270.0
Jagatsinghpur	Kujanga	265.0
Jagatsinghpur	Jagatsinghpur	264.0
Jagatsinghpur	Tirtol	245.0
Jagatsinghpur	Paradeep	220.8
Jajpur	Chandikhol	220.0
Kendrapada	Derabis	206.0
Kendrapada	Garadpur	169.0
Jajpur	Binjharpur	149.4
Cuttack	Mahanga	147.0
Cuttack	Salipur	140.0
Jajpur	Bari	128.0
Jajpur	Jajpur	120.0
Cuttack	Banki	120.0
Cuttack	Cuttack	117.2
Sonepur	Birmaharajpur	200.0
Boudh	Boudhgarh	184.0
Sonepur	Ullunda	153.4
Boudh	Harabhanga	152.0
Kandhamal	Phulbani	151.2
Sonepur	Sonepur	145.0
Sambalpur	Rairakhol	109.0
Jharsuguda	Lakhanpur	96.2