



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 18th July, 2021
Time of Issue: 1200 hrs IST

Sub: Intense spell of rainfall activity over northern parts of India during 18th -21st July and along the west coast till 23rd July, 2021.

Rainfall recorded (from 0830 hours IST of yesterday to 0830 hours IST of today)(6 cm or more): Daman-32; Ratnagiri-26; Anantapur, Mumbai(Santacruz)-23; Mumbai(Colaba)-20; Dahanu-17; Guntur, Dadra & Nagar Haveli-15; Shivpuri, Valsad & Matheran-14 each; Bulsar and Hat Bay-13; Navsori & Mangalore-12 each; Bajpe-11; Kangra-10; Gwalior, Wanaparthy, Bharatpur-9; Dausa, Cuddapah, Sawai Madhopur, Jamnagar, Mahabaleshwar, Numgambakkam, Dehradun, Najibabad, Kanpur, Kolkata-8; Harnai, Ernakulum, Chittoor, Gorakhpur and Churk-7 each.

Weather Systems:

- The western end of monsoon trough at mean sea level runs close to its normal position and is likely to shift northward from today evening onwards. However the eastern end lies north of its normal position and is likely to continue there during next 2-3 days and shift south wards thereafter.
- An off-shore trough at mean sea level runs from Maharashtra coast to Karnataka coast. It is likely to persist during next 5-6 days.
- A shear zone runs roughly along Lat. 17°N in mid tropospheric levels and likely to persists during next 2 days.
- A Low Pressure Area is likely to form over Northwest Bay of Bengal & neighbourhood around 23rd July.

Forecast and warning:

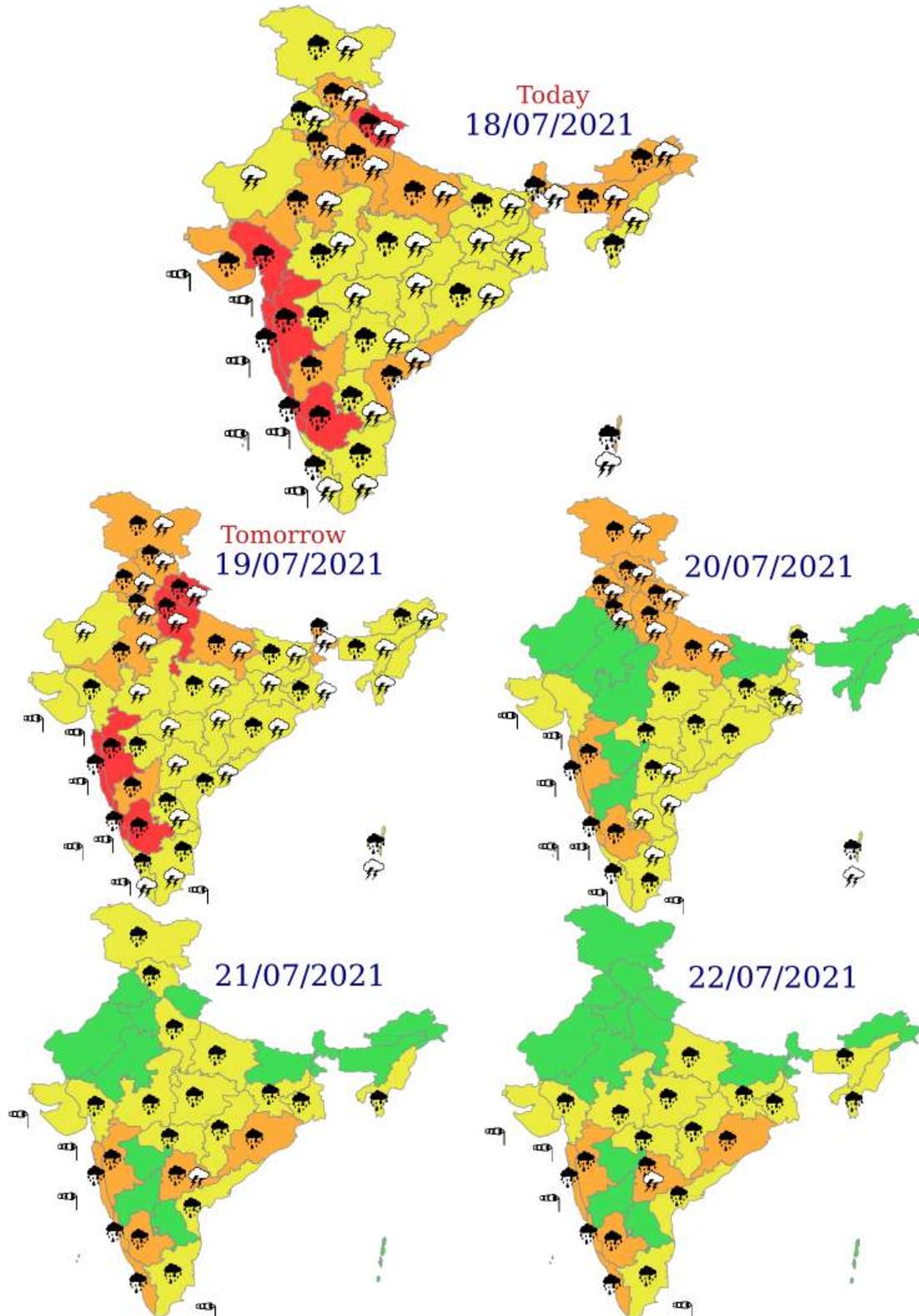
- Rainfall activity is very likely to increase with fairly widespread to widespread rainfall with isolated heavy to very heavy falls very likely over Western Himalayan Region (Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand) and adjoining northwest India (Punjab, Haryana, Rajasthan, Uttar Pradesh and north Madhya Pradesh) from 18th July to 21st July, 2021 and decrease in rainfall activity over the same regions thereafter. Isolated **extremely heavy falls** also very likely over Uttarakhand on 18th & 19th July and over northwest Uttar Pradesh on 19th July, 2021. **Moderate to heavy rainfall** at isolated places also very likely over Delhi and Chandigarh on 18th & 19th July, 2021.
- Widespread rainfall with isolated **heavy to very heavy falls** very likely to continue over west coast and adjoining inland areas during next 5-6 days. Isolated **extremely heavy falls** also very likely over Konkan & Goa & adjoining ghat areas of Madhya Maharashtra, Coastal & South Interior Karnataka during 18th-19th; over Gujarat region on 18th July, 2021.
- Fairly Widespread to widespread rainfall with isolated **heavy falls** likely over east and adjoining central India from 22nd July onwards.

- Moderate to Severe **thunderstorm with lightning** very likely at isolated places over Uttar Pradesh, Gujarat region, Madhya Pradesh, Gujarat region and East Rajasthan. during next 24 hours. They may cause injuries leading to casualties to people and animals staying outdoor.

- **Multi-hazard colour code weather warning for next 5 days.**

[For details of forecast and warning refer:](#)

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



EXPECTED IMPACT & ACTION SUGGESTED due to Extremely Heavy Falls over Uttarakhand, Konkan & Goa, ghat areas of Madhya Maharashtra, Coastal & South Interior Karnataka during 18th-19th July and Gujarat region on 18th July, 2021

A. Impact Expected

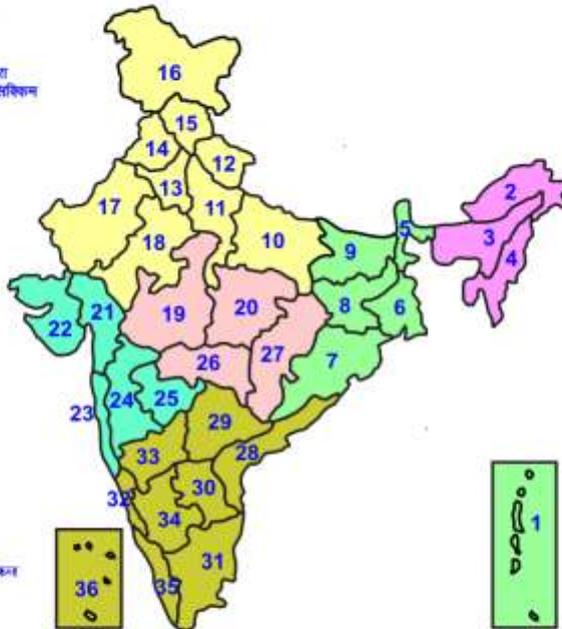
- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor 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

- 1 अंडमान और निकोबार द्वीप समूह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एंवम सिक्किम
- 6 पश्चिम बंगाल
- 7 ओरिसा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा, चंडीगढ़ एंवम दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर एंवम लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात
- 22 सौराष्ट्र
- 23 कर्नाटक
- 24 मध्य महाराष्ट्र
- 25 मराठवाड़ा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यंम
- 29 तेलंगना
- 30 राजस्थान
- 31 तमिलनाडु, पुदुचेरी एवं कर्नाटक
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एवं माहे
- 36 लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathwada
26. Vidharbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yarnam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. 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

 Heavy Rain	 Heavy Snow	 Thunderstorm	 Dust Storm
 Strong Winds	 Visibility	 Cyclone	 Squall/ Hail
 Frost	 Cold Wave	 Heat Wave	 Sea State