



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

**Press Release  
Date: 17<sup>th</sup> July, 2021  
Time of Issue: 1430 hrs IST**

**Sub: Fresh spell of heavy rainfall activity over northern parts of India during 17<sup>th</sup>-21<sup>st</sup> July and continuation of ongoing enhanced rainfall activity along the west coast till 21<sup>st</sup> July, 2021.**

**Rainfall recorded (from 0830 hours IST of yesterday to 0830 hours IST of today)(7 cm or more):** Cooch Behar-20; Dhubri-17; Ratnagiri-16; Kokrajhar, Mahabubnagar & Harnai-12 each; Mormugao, Uttar Kannada, Narayanpet, Guntur, south Goa & Thane-11 each; Shivamoga, Wanaparthy, Chengalpattu, north Goa & Palghar-10 each; west Garo, Jalpaiguri, Nagarkurnool, Tiruvallur & Karwar-9 each; Siddharthnagar, Udampur, Peren, Bhuvanagiri, Barpeta, Bageshwar, Chennai, Tiruvannamalai & Raigad-8; south Garo, Wokha, Muzaffarpur, Vaishali, Darjeeling, Maharajanj, Ernakulum, Nalconda, Nellore, Coimbatore, Kancheepuram & Villupuram-7 each.

**Weather Systems:**

- The western end of monsoon trough at mean sea level runs close to its normal position & its eastern end lies close to the foothills of Himalayas. Eastern end of the trough is very likely to be north of normal position till 19th July.
- An off-shore trough at mean sea level runs from Maharashtra coast to Karnataka coast. It is likely to persist during next 4-5 days.

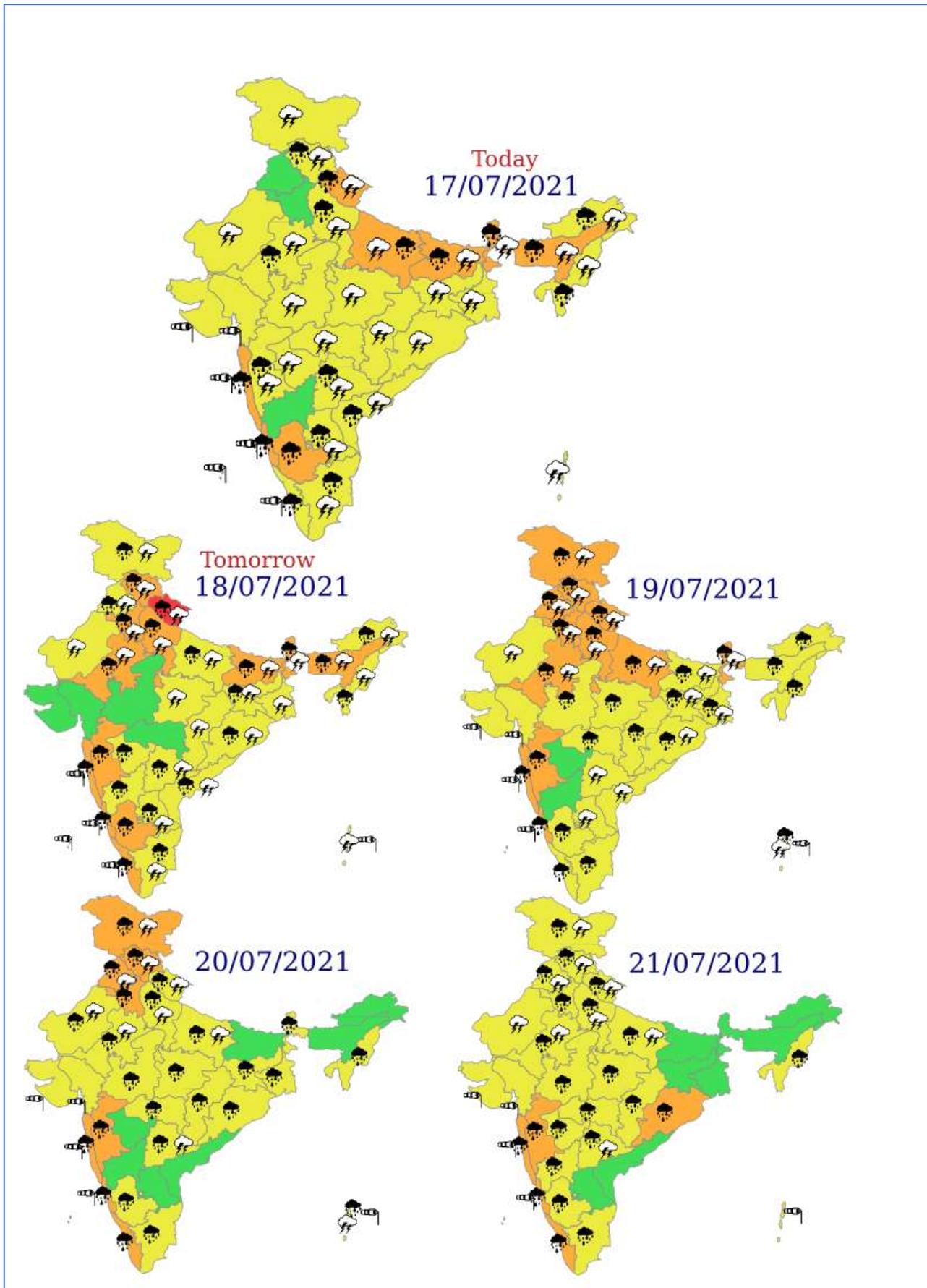
**Forecast and warning:**

- Rainfall activity is very likely to increase with fairly widespread to widespread rainfall with heavy to very heavy falls over Western Himalayan Region and Uttar Pradesh from 17th July to 21st July, 2021 and over Punjab, Haryana, East Rajasthan and north Madhya Pradesh from 18th July to 21st July and **moderate to heavy falls** at isolated places over Delhi on 18th July, 2021. Isolated **extremely heavy falls** also likely over Jammu division and Himachal Pradesh on 19th and Uttarakhand on 18th & 19th July.
- Fairly widespread to widespread rainfall with isolated **heavy falls** very likely to continue over west coast and rest parts of west Peninsular India except over Gujarat state during next 5-6 days. Isolated **heavy to very heavy falls** very likely over Konkan & Goa, Ghat areas of Madhya Maharashtra, Coastal & South Interior Karnataka and Kerala & Mahe during same period. Isolated **extremely heavy falls** also very likely over Konkan & Goa during 18th-21st and over Ghat areas of Madhya Maharashtra on 20th & 21st July, 2021.
- Widespread rainfall with isolated **heavy falls** likely over northeast India and Sub-Himalayan west Bengal & Sikkim till 19th July and decrease in intensity thereafter. Isolated very heavy rainfall likely over Assam & Meghalaya on 17th & 18th and Sub-Himalayan west Bengal & Sikkim during 17th-19th July, 2021.
- Moderate to Severe **thunderstorm with lightning** very likely at isolated places over Uttar Pradesh and Bihar 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](https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php)



**EXPECTED IMPACT & ACTION SUGGESTED** due to **Extremely Heavy Falls** over Jammu division and Himachal Pradesh on 19th July and Uttarakhand on 18th & 19th July; over Konkan & Goa during 18th-21st July and over Ghat areas of Madhya Maharashtra on 20th & 21st July, 2021.

#### **A. Impact Expected**

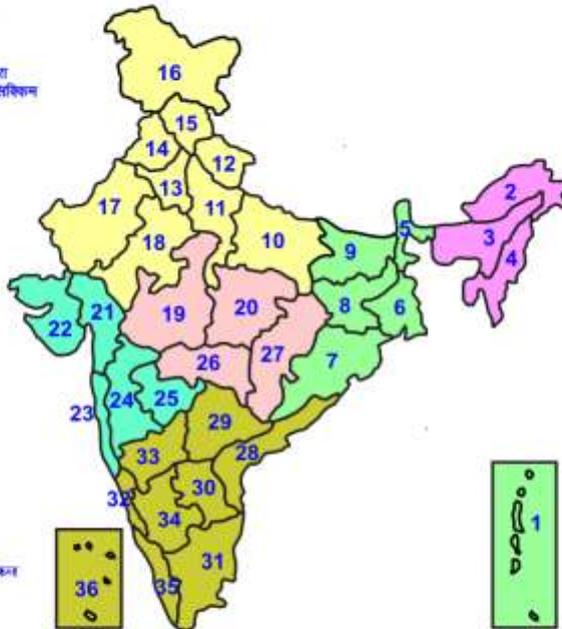
- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor 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, एंवम् सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिशा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा, चंडीगढ़, एंवम् दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर, एंवम् 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 महाराष्ट्र
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यानम
- 29 तेलंगाना
- 30 रायलसीमा
- 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 & Yanam
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

<b>WARNING (TAKE ACTION)</b>
<b>ALERT ( BE PREPARED)</b>
<b>WATCH (BE UPDATED)</b>
<b>NO WARNING ( NO ACTION)</b>

### 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