

National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Tuesday 17 August 2021

<u>MID-DAY</u>

Time of Issue: 1420 hours IST

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

- ♦ A **Low Pressure Area** lies over coastal Odisha & adjoining Northwest Bay of Bengal. The associated cyclonic circulation extends upto middle tropospheric levels tilting southwestwards with height. It is likely to move west northwestwards during next 48 hours across Interior Odisha, Chhattisgarh and northeast Madhya Pradesh.
- ◆ The western end of monsoon trough is north of its normal position and the eastern end is south of its normal position and passes through the centre of Low Pressure Area over coastal Odisha to Eastcentral Bay of Bengal. The western end of monsoon trough very likely to shift gradually southwards towards its near normal position during next 2 days. ◆ Strong southerly winds from Bay of Bengal to northeast India will continue to prevail till 18th August, 2021.
- ♦ Due to above metrological conditions:- i) Enhanced rainfall activity over Central & adjoining north Peninsular India during next 3 days: Fairly widespread to widespread rainfall activity with isolated heavy to very heavy is very likely over Marathawada, Telangana, Odisha, Vidarbha, Madhya Maharashtra on 17th & 18th; over Chhattisgarh from 17th to 19th and over Coastal Andhra Pradesh 17th August, 2021. Fairly widespread to widespread rainfall activity with isolated heavy falls also very likely to continue over Gangetic West Bengal, Jharkhand, Konkan & Goa and Gujarat region from 17th to 19th; over Madhya Pradesh till from 17th to 20th and decrease in intensity & distribution over above regions thereafter. However, fairly widespread rainfall activity with isolated heavy falls very likely to continue over Bihar during next 5 days.
- ii) Continuation of rainfall activity over Northeast India: Widespread rainfall activity with isolated heavy to very heavy falls very likely to continue over Northeast India during next 2 days and decrease in intensity & distribution thereafter. However, widespread rainfall activity with isolated heavy to very heavy falls very likely to continue over Sub-Himalayan West Bengal & Sikkim on 17th and isolated heavy to very heavy falls with extremely heavy falls on 18th August, 2021. Decrease in intensity during subsequent 3 days with likely occurrence of isolated heavy rainfall.
- ii) Increased rainfall activity over Northwest India from 19th August: Scattered to fairly widespread rainfall activity with isolated heavy falls likely over Uttar Pradesh, Uttarakhand and Himachal Pradesh from 19th to 23rd August; over Haryana, Chandigarh & Delhi on 20th & 21st August, 2021. Isolated heavy to very heavy is also likely over Uttarakhand on 19th & 20th and over West Uttar Pradesh on 20th August, 2021. Light/moderate isolated to scattered rainfall likely over rest parts of northwest India from 19th to 21st August, 2021.
- Moderate to Severe thunderstorm with lightning at isolated places over East Uttar Pradesh and Madhya Pradesh during next 24 hours. This may cause injuries leading to casualties to people and animals staying outdoor.

Main Weather Observations

- ♦ Rain/Thundershowers observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at most places over Andaman & Nicobar Islands, Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Odisha, Marathwada, Konkan & Goa, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Coastal & North Interior Karnataka and Lakshadweep; at many places over Assam & Meghalaya, Gangetic West Bengal, Madhya Maharashtra, Rayalaseema and Kerala & Mahe; at a few places over Jharkhand, East Madhya Pradesh and South Interior Karnataka and at isolated places over Uttar Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Punjab, Himachal Pradesh, West Madhya Pradesh, Gujarat state and Tamilnadu, Puducherry & Karaikal.
- ♦ Rainfall Amount recorded (from 0830 hours IST of yesterday to 0830 hours IST of today) (4 cm or more): Buxaduar-17; Supaul-16; Diana-15; Rongo-14; Champasari-13; Lakhimpur-11; Khammam-10; Malkangiri & Sitamarhi-9 each; Nagpur, Pune & Baghdogra-8 each; Bejjur, Kotapalle, Sundargarh, Jalna, Nagari, Kanker & Vizianagaram-7 each; Adilabad, Kopargaon, Bastar, West Godavari, Tiruvallur, Durg & Gondia-6 each; Latehar, Kuru, Ghazipur, Shrawasti, Kondagaon, Narayanpur, Raigarh & Aurangabad-5 each; Balod, Tadong, Adilabad & Wardha-4 each.
- ♦ Heavy Rainfall observed (from 0830 hours IST of yesterday to 0830 hours IST of today): Very Heavy Rainfall at isolated places over Sub-Himalayan West Bengal & Sikkim and Bihar and Heavy Rainfall at isolated places over Assam & Meghalaya, Odisha, Chhattisgarh, Vidarbha, Marathwada, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam and Telangana.
- ♦ Thunderstorm observed (from 0830 hrs IST of yesterday to 0830 hours IST of today): at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Uttar Pradesh, Jharkhand, Chhattisgarh, Bihar, West Bengal & Sikkim, Odisha, Arunachal Pradesh, Tamilnadu, Puducherry & Karaikal, Marathwada, Vidarbha, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Coastal Andhra Pradesh & Vanam
- ♦ Maximum Temperature Departures as on 16-08-2021: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at most places over East Rajasthan; at many places over Madhya Pradesh, Vidarbha and Uttar Pradesh; at a few places over Himachal Pradesh, Gujarat state and Chhattisgarh and at isolated places over Uttarakhand and Punjab; above normal (1.6°C to 3.0°C) at most places over Haryana, Chandigarh & Delhi; at many places over West Rajasthan, Bihar, Jharkhand and Odisha; at a few places over West Bengal & Sikkim, Coastal Karnataka, Kerala & Mahe and at isolated places over Assam & Meghalaya and Madhya Maharashtra. They were appreciably below normal (-3.1°C to -5.0°C) at many places over Coastal Andhra Pradesh & Yanam and Telangana; at a few places over Rayalaseema, Andaman & Nicobar Islands, Marathwada and at isolated places over Tamilnadu, Puducherry & Karaikal and North Interior Karnataka and below normal (-1.6°C to -3.0°C) at many places over Konkan & Goa and at a few places over South Interior Karnataka. Yesterday, the highest maximum temperature of 40.8°C was reported at Ganganagar (West Rajasthan).
- ♦ Minimum Temperature Departures as on 17-08-2021: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at isolated places over East Madhya Pradesh; above normal (1.6°C to 3.0°C) at many places over West Uttar Pradesh; at a few places over Haryana, Chandigarh & Delhi and Bihar; at isolated places over East Uttar Pradesh, Rajasthan, Sub-Himalayan West Bengal & Sikkim, Jharkhand, Odisha, Gujarat Region and South Interior Karnataka. They are below normal (-1.6°C to -3.0°C) at many places over Himachal Pradesh; at a few places over Telangana; at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and Tamil Nadu, Puducherry & Karaikal and near normal over rest parts of the country. Today, the lowest minimum temperature of 18.5°C is reported at Bulsar (Gujarat Region) over the plains of the country.



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Meteorological Analysis (Based on 0830 hours IST)

- ♦ The Low Pressure Area over Northwest & adjoining Westcentral Bay of Bengal off south Odisha-north Andhra Pradesh coasts now lies over coastal Odisha and adjoining Northwest Bay of Bengal. The associated cyclonic circulation extends upto 7.6 km above mean sea level tilting southwestwards with height. It is likely to move west-northwestward during next 48 hours.
- ♦ A north-south trough runs from the cyclonic circulation associated with the Low Pressure Area over coastal Odisha and adjoining Northwest Bay of Bengal to north Tamilnadu and extends upto 1.5 km above mean sea level.
- ♦ The monsoon trough now passes through Ferozepur, Hissar, Delhi, Hardoi, Varanasi, Dehri, Ranchi, Keonjhargarh, centre of Low Pressure Area over coastal Odisha and adjoining Northwest Bay of Bengal and thence southeastwards to Eastcentral Bay of Bengal.
- ♦ The Western Disturbance as a trough in upper tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 67°E to the north of Lat. 28°N persists.
- ♦ A cyclonic circulation lies over north Pakistan & neighbourhood at 1.5 km above mean sea level.

Weather Forecast for next 5 days * upto 0830 hours IST of 22nd August, 2021

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ No significant change in maximum temperatures over most parts of the country during next 5 days.
- ♦ Light to moderate intensity thunderstorm accompanied with lightning likely over Western Himalayan Region and Northeast India during next 5 days.

Weather Outlook for subsequent 2 days from 22nd August 2021 to 24th August 2021

♦ Fairly widespread to widespread rainfall with isolated heavy falls likely over parts of Central & adjoining North & East India and Northeast India. Fairly Widespread rainfall over remaining parts of the country except West Rajasthan, Saurashtra & Kutch and Ladakh region where isolated rainfall is likely.



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Weather Warning during next 5 days *

- 17 August (Day 1):♦ Heavy to very heavy rainfall very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Odisha, Vidarbha, Chhattisgarh, Marathwada, Telangana and Coastal Andhra Pradesh & Yanam and heavy rainfall at isolated places over Madhya Pradesh, Bihar, Gangetic West Bengal, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Madhya Maharashtra, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.
- ♦ Thunderstorm accompanied with lightning very likely at isolated places over Bihar, East Uttar Pradesh, Madhya Pradesh, Jharkhand, West Bengal & Sikkim, Madhya Maharashtra, Marathawada, Telangana, Rayalaseema, North Interior Karnataka and Coastal Andhra Pradesh & Yanam.
- ◆ Strong winds (speed 45-55 kmph gusting to 65 kmph) very likely over Southwest and Westcentral Arabian Sea. Squally weather (speed 40-50 kmph gusting to 60 kmph) over Westcentral & Northwest Bay of Bengal off south Odisha-north Andhra Pradesh coasts. Fishermen are advised not to venture into these areas.
- **18** August (Day 2):♦ Heavy to very heavy rainfall with extremely heavy falls very likely at isolated places over Sub-Himalayan West Bengal & Sikkim; Heavy to very heavy rainfall at isolated places over Assam & Meghalaya, East Madhya Pradesh, Chhattisgarh, Marathwada, Madhya Maharshtra, Telangana and Coastal Andhra Pradesh & Yanam and heavy rainfall at isolated places over West Madhya Pradesh, Vidarbha, Jharkhand, Bihar, Gangetic West Bengal, Odisha, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa and Gujarat Region.
- ♦ **Thunderstorm accompanied with lightning** very likely at isolated places over Uttarakhand, East Uttar Pradesh, East Rajasthan, Jharkhand, Sub-Himalayan West Bengal & Sikkim and Coastal Andhra Pradesh & Yanam.
- ◆ Strong winds (speed 45-55 kmph gusting to 65 kmph) very likely over Southwest and Westcentral Arabian Sea. Squally weather (speed 40-50 kmph gusting to 60 kmph) over Westcentral & Northwest Bay of Bengal off south Odisha-north Andhra Pradesh coasts. Fishermen are advised not to venture into these areas.
- **19** August (Day 3):♦ Heavy to very heavy rainfall very likely at isolated places over Uttarakhand; Heavy rainfall at isolated places over West Bengal & Sikkim, Jharkhand, Bihar, Vidarbha, Chhattisgarh, Gujarat Region, Konkan & Goa, Madhya Pradesh and Uttar Pradesh.
- ◆ **Thunderstorm accompanied with lightning** very likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, Jharkhand and Coastal Andhra Pradesh & Yanam.
- ◆ Strong winds (speed 45-55 kmph gusting to 65 kmph) very likely over Southwest and Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.
- **20 August (Day 4):♦ Heavy to very heavy rainfall** likely at isolated places over Uttarakhand and West Uttar Pradesh; **Heavy rainfall** at isolated places over Himachal Pradesh, Haryana, East Uttar Pradesh, Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim and Bihar.
- ◆ Thunderstorm accompanied with lightning likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, Coastal Andhra Pradesh & Yanam and Tamilnadu, Puducherry & Karaikal.
- ◆ Strong winds (speed 45-55 kmph gusting to 65 kmph) likely over Southwest and Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.
- **21 August (Day 5):♦ Heavy rainfall** likely at isolated places over Himachal Pradesh, Uttarakhand, Haryana, Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Bihar, Assam & Meghalaya and Tamil Nadu, Puducherry & Karaikal.
- ♦ Thunderstorm accompanied with lightning likely at isolated places over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Uttar Pradesh, Coastal Andhra Pradesh & Yanam and Tamilnadu, Puducherry & Karaikal.
- ◆ Strong winds (speed 45-55 kmph gusting to 65 kmph) likely over Southwest and Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.

Kindly download MAUSAM APP for location specific forecast & warning, MEGHDOOT APP for Agromet advisory and DAMINI APP for Lightning Warning & visit state MC/RMC websites for district wise warning.





Table-1 5 Day Rainfall Forecast (MID-DAY) 17-August-2021

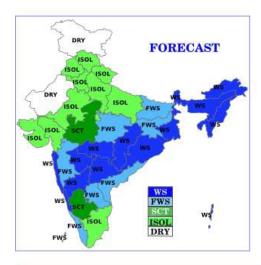
Met-Sub-Division	17-Aug Today	18Aug Wed	19Aug Thu	20Aug Fri	21Aug Sat
1. Andaman & Nicobar Islands	WS	WS	WS	FWS	FWS
2. Arunachal Pradesh	WS	WS	FWS	FWS	WS
3. Assam & Meghalaya	WS	WS	FWS	FWS	WS
4. N. M. M. & T.	WS	WS	FWS	FWS	WS
5. S.H. West Bengal & Sikkim	WS	WS	WS	WS	WS
6. Gangetic West Bengal	WS	WS	WS	FWS	FWS
7. Odisha	WS	WS	FWS	SCT	SCT
8. Jharkhand	FWS	WS	WS	FWS	FWS
9. Bihar	FWS	FWS	FWS	FWS	FWS
10. East Uttar Pradesh	ISOL	SCT	FWS	FWS	FWS
11. West Uttar Pradesh	ISOL	ISOL	SCT	WS	WS
12. Uttarakhand	ISOL	ISOL	FWS	WS	WS
13. Haryana, Chd & Delhi	ISOL	ISOL	SCT	FWS	FWS
14. Punjab	ISOL	ISOL	ISOL	SCT	SCT
15. Himachal Pradesh	ISOL	ISOL	SCT	FWS	FWS
16. J & K and Ladakh	DRY	DRY	ISOL	SCT	ISOL
17. West Rajsthan	DRY	DRY	ISOL	ISOL	ISOL
18. East Rajasthan	ISOL	ISOL	ISOL	SCT	FWS
19. West Madhya Pradesh	SCT	SCT	FWS	WS	FWS
20. East Madhya Pradesh	FWS	WS	WS	SCT	SCT
21. Gujarat Region	ISOL	SCT	SCT	SCT	SCT
22. Saurashtra & Kutch	ISOL	SCT	SCT	SCT	SCT
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	FWS	FWS	FWS	SCT	SCT
25. Marathawada	WS	WS	FWS	SCT	SCT
26. Vidharbha	WS	WS	FWS	FWS	SCT
27. Chhattisgarh	WS	WS	FWS	FWS	SCT
28. Coastal A. P. & Yanam	FWS	FWS	SCT	SCT	SCT
29. Telangana	WS	FWS	FWS	FWS	FWS
30. Rayalaseema	FWS	SCT	ISOL	SCT	FWS
31. T.N., Puducherry & Karaikal	ISOL	ISOL	ISOL	SCT	FWS
32. Coastal Karnataka	WS	WS	WS	WS	Ws
33. North Interior Karnataka	WS	FWS	SCT	SCT	SCT
34. South Interior Karnataka	SCT	SCT	FWS	FWS	FWS
35. Kerala & Mahe	FWS	FWS	FWS	FWS	FWS
36. Lakshadweep	FWS	FWS	FWS	FWS	SCT

% Station Reporting Rainfall

% Stations	Category	% Stations	Category
76-100		26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		



Tuesday 17 August 2021



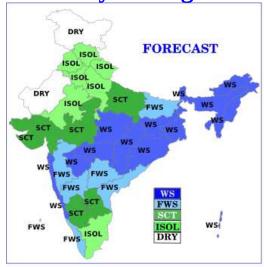


17 August (Day 1):♦ Heavy to very heavy rainfall very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Odisha, Vidarbha, Chhattisgarh, Marathwada, Telangana and Coastal Andhra Pradesh & Yanam and heavy rainfall at isolated places over Madhya Pradesh, Bihar, Gangetic West Bengal, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Madhya Maharashtra, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.

- ♦ Thunderstorm accompanied with lightning very likely at isolated places over Bihar, East Uttar Pradesh, Madhya Pradesh, Jharkhand, West Bengal & Sikkim, Madhya Maharashtra, Marathawada, Telangana, Rayalaseema, North Interior Karnataka and Coastal Andhra Pradesh & Yanam.
- ◆ Strong winds (speed 45-55 kmph gusting to 65 kmph) very likely over Southwest and Westcentral Arabian Sea. Squally weather (speed 40-50 kmph gusting to 60 kmph) over Westcentral & Northwest Bay of Bengal off south Odisha-north Andhra Pradesh coasts. Fishermen are advised not to venture into these areas.



Wednesday 18 August 2021



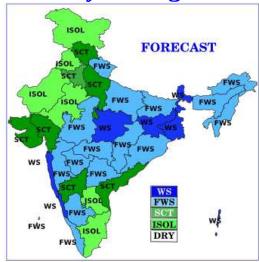


18 August (Day 2):♦ Heavy to very heavy rainfall with extremely heavy falls very likely at isolated places over Sub-Himalayan West Bengal & Sikkim; Heavy to very heavy rainfall at isolated places over Assam & Meghalaya, East Madhya Pradesh, Chhattisgarh, Marathwada, Madhya Maharshtra, Telangana and Coastal Andhra Pradesh & Yanam and heavy rainfall at isolated places over West Madhya Pradesh, Vidarbha, Jharkhand, Bihar, Gangetic West Bengal, Odisha, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa and Gujarat Region.

- ♦ Thunderstorm accompanied with lightning very likely at isolated places over Uttarakhand, East Uttar Pradesh, East Rajasthan, Jharkhand, Sub-Himalayan West Bengal & Sikkim and Coastal Andhra Pradesh & Yanam.
- ◆ Strong winds (speed 45-55 kmph gusting to 65 kmph) very likely over Southwest and Westcentral Arabian Sea. Squally weather (speed 40-50 kmph gusting to 60 kmph) over Westcentral & Northwest Bay of Bengal off south Odisha-north Andhra Pradesh coasts. Fishermen are advised not to venture into these areas.



Thursday 19 August 2021

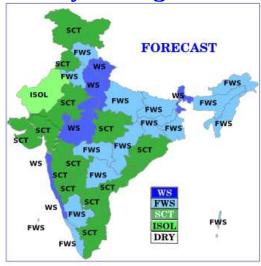




- **19** August (Day 3):♦ Heavy to very heavy rainfall very likely at isolated places over Uttarakhand; Heavy rainfall at isolated places over West Bengal & Sikkim, Jharkhand, Bihar, Vidarbha, Chhattisgarh, Gujarat Region, Konkan & Goa, Madhya Pradesh and Uttar Pradesh.
- ♦ Thunderstorm accompanied with lightning very likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, Jharkhand and Coastal Andhra Pradesh & Yanam.
- ◆ Strong winds (speed 45-55 kmph gusting to 65 kmph) very likely over Southwest and Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.



Friday 20 August 2021



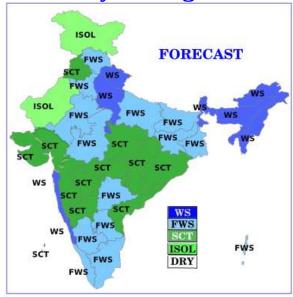


20 August (Day 4): † Heavy to very heavy rainfall likely at isolated places over Uttarakhand and West Uttar Pradesh; **Heavy rainfall** at isolated places over Himachal Pradesh, Haryana, East Uttar Pradesh, Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim and Bihar.

- ♦ Thunderstorm accompanied with lightning likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, Coastal Andhra Pradesh & Yanam and Tamilnadu, Puducherry & Karaikal.
- ◆ Strong winds (speed 45-55 kmph gusting to 65 kmph) likely over Southwest and Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.



Saturday 21 August 2021





- **21 August (Day 5): Heavy rainfall** likely at isolated places over Himachal Pradesh, Uttarakhand, Haryana, Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Bihar, Assam & Meghalaya and Tamil Nadu, Puducherry & Karaikal.
- ♦ Thunderstorm accompanied with lightning likely at isolated places over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Uttar Pradesh, Coastal Andhra Pradesh & Yanam and Tamilnadu, Puducherry & Karaikal.
- ◆ Strong winds (speed 45-55 kmph gusting to 65 kmph) likely over Southwest and Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.