



Friday 26 August 2022

MORNING

Time of Issue: 0800 hours IST

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

- ◆ A **Low Pressure Area** lies over southeast Pakistan & adjoining southwest Rajasthan and the associated cyclonic circulation extends upto middle tropospheric levels.
- ◆ The western end of the monsoon trough at mean sea level is south of its normal position and eastern end is near its normal position.
- ◆ A cyclonic circulation lies over south Jharkhand extending upto middle tropospheric levels and another over south interior Tamilnadu & neighbourhood at middle level .
- ◆ Under the influence of the above systems:
 - o Widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Vidarbha on 28th; East Madhya Pradesh & Chhattisgarh during 28th August, 2022.
 - o Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Odisha on 27th; Sub-Himalayan West Bengal & Sikkim during 27th-29th and over southeast Uttar Pradesh & Bihar on 27th & 28th August, 2022.
 - o Fairly widespread light/moderate rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Nagaland, Manipur, Mizoram & Tripura during 27th-30th and over Arunachal Pradesh and Assam & Meghalaya during 26th-30th August, 2022.
- Isolated **very heavy rainfall** also likely over Arunachal Pradesh and Assam & Meghalaya on 27th August, 2022.
- o Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over very likely over Jammu & Kashmir on 26th; Himachal Pradesh on 28th and over Uttarakhand on 28th & 29th August, 2022.
- o Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over South Interior Karnataka on 26th; Rayalaseema during 26th-28th; Telangana on 27th & 28th; Kerala & Mahe during 26th-28th and over Tamil Nadu during next 5 days.

Main Weather Observations

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◆ **Rainfall/thundershower observed (from 0830 hours IST to 1730 hours IST of yesterday):** at many places over Andaman & Nicobar Islands; at a few places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, West Rajasthan, East Uttar Pradesh, Konkan & Goa, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, East Madhya Pradesh, Chhattisgarh and Tamilnadu, Puducherry & Karaikal and at isolated places over Himachal Pradesh, East Rajasthan, West Madhya Pradesh, Punjab, Chandigarh, Saurashtra & Kutch, Odisha, Assam & Meghalaya, Telangana, Rayalaseema, Karnataka, Lakshadweep and Kerala & Mahe.

◆ **Chief amount of Rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday):(1 cm or more):** Nahan-5; Coimbatore and Raipur-4 each; Rewa-3; Mahabaleshwar, Khammam and Dharmapuri-2 each; Gulmarg, Ganganagar, Barmer, Gwalior, Lucknow, Fursatganj, Varanasi, Ramgundam, Karwar, Gadag, Kavali, Puducherry, Chennai, Seoni, Mysore, Valprai, Vellore and Long Island-1 each.

◆ **Thunderstorm observed (from 0830 hours IST to 1730 hours IST of yesterday):** at isolated places over Himachal Pradesh, East Uttar Pradesh, Telangana, North Interior Karnataka, Coastal Andhra Pradesh & Yanam, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal.

◆ **Minimum Temperature Departures (as on 25-08-2022):** Minimum temperatures were above normal (1.6°C to 3.0°C) at many places over Sub-Himalayan West Bengal & Sikkim; at a few places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and at isolated places over Assam & Meghalaya, Himachal Pradesh and Vidarbha. They were below normal (-1.6°C to -3.0°C) at many places over West Rajasthan; at a few places over East Uttar Pradesh and Odisha and at isolated places over East Rajasthan, Madhya Pradesh, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal near normal over rest parts of the country. Yesterday, the lowest minimum temperature of 21.4 0°C was reported at Narsinghpur (East Madhya Pradesh) over the plains of the country.

◆ **Maximum Temperature Departures (as on 25-08-2022):** Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Uttarakhand; at a few places over Assam & Meghalaya; above normal (1.6°C to 3.0°C) at many places over West Uttar Pradesh, Coastal Andhra Pradesh & Yanam and Marathawada; at a few places over Bihar, Vidarbha, Odisha and North Interior Karnataka; at isolated places over Himachal Pradesh, West Bengal & Sikkim, Madhya Maharashtra, Andaman & Nicobar Islands and Telangana. They were markedly below normal(-5.1°C or Less) at a few places over West Rajasthan; appreciably below normal (3.1°C to 5.0°C) at a few places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad; at isolated places over Madhya Pradesh, East Uttar Pradesh and Tamilnadu, Puducherry & karaikal; below normal (-1.6°C to -3.0°C) at a few places over East Rajasthan; at isolated places over Saurashtra & Kutch and Kerala & Mahe and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 37.7°C is reported at Ongole (Coastal Andhra Pradesh).

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Meteorological Analysis (Based on 0530 hours IST)

- ◆ The **Low Pressure Area** over southeast Pakistan & adjoining southwest Rajasthan with associated cyclonic circulation extending upto 7.6 km above mean sea level persists.
- ◆ The **monsoon trough** at mean sea level now passes through center of **Low Pressure Area** over southeast Pakistan & adjoining southwest Rajasthan, Pilani, Bareilly, Gorakhpur, Patna, Kharagpur, Digha and thence east-southeastwards to Northeast Bay of Bengal.
- ◆ The cyclonic circulation over south Jharkhand & neighbourhood extending upto 4.5 km above mean sea level persists.
- ◆ The **Western Disturbance** as a trough in mid-tropospheric westerlies with its axis at 5.8 km above mean sea level now passes through roughly along Long. 68°E & to the north of Lat. 28°N.
- ◆ The cyclonic circulation over south interior Tamil Nadu & neighbourhood at 5.8 km above mean sea level persists.

Weather Forecast for next 5 days * upto 0830 hours IST of 31st August 2022

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ No significant change in maximum temperatures very likely over the country during next 5 days.

Weather Outlook for subsequent 2 days During 31st August - 02nd September, 2022

- ◆ Fairly widespread to widespread light/moderate rainfall activity likely over south Peninsular India, West Coast, Northeast India, Uttar Pradesh, Bihar, Jharkhand and north Madhya Pradesh.
- ◆ Scattered to fairly widespread light/moderate rainfall activity over remaining parts of the country except Jammu & Kashmir, Punjab, Haryana, West Rajasthan, Odisha & Gujarat State where isolated rainfall activity is likely.

Weather Warning during next 5 days *

26 Aug (Day 1): ♦ Heavy rainfall at isolated places very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, East Madhya Pradesh, Chhattisgarh, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Rayalaseema, South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** Squally weather (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kamataka and Kerala coasts, Lakshadweep area, Maldives and adjoining Comorin area; Squally winds of 45-55 kmph gusting to 65 kmph likely over west-central and adjoining southwest and northwest Arabian Sea, along and off Somalia coast, south of southwest Bay of Bengal off south Sri Lanka coast, Comorin area, Gulf of Mannar. Fishermen are advised not to venture into these seas.

27 Aug (Day 2): ♦ Heavy to very heavy rainfall at isolated places very likely over Arunachal Pradesh and Assam & Meghalaya; **heavy rainfall** at isolated places very likely over East Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Bihar, Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Telangana, Rayalaseema, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, West Bengal & Sikkim, Odisha, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** Squally winds of 45-55 kmph gusting to 65 kmph likely over west-central and adjoining southwest and northwest Arabian Sea, along and off Somalia coast, south of southwest Bay of Bengal off south Sri Lanka coast, Comorin area, Gulf of Mannar. Fishermen are advised not to venture into these seas.

28 Aug (Day 3): ♦ Heavy rainfall at isolated places likely over Himachal Pradesh, Uttarakhand, East Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Telangana, Rayalaseema, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Haryana, Chandigarh & Delhi, Gangetic West Bengal, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** Squally winds of 45-55 kmph gusting to 65 kmph likely over west-central and adjoining southwest and northwest Arabian Sea, along and off Somalia coast, south of southwest Bay of Bengal off south Sri Lanka coast, Comorin area, Gulf of Mannar. Fishermen are advised not to venture into these seas.

29 Aug (Day 4): ♦ Heavy rainfall at isolated places likely over Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Uttar Pradesh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** Squally weather (wind speed 40-50 kmph gusting to 60 kmph) very likely over Comorin and Gulf of Mannar; **Squally winds** of 45-55 kmph gusting to 65 kmph likely over west-central and adjoining southwest and northwest Arabian Sea, along and off Somalia coast, south of southwest Bay of Bengal off south Sri Lanka coast. Fishermen are advised not to venture into these seas.

30 Aug (Day 5): ♦ Heavy rainfall at isolated places likely over Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Uttar Pradesh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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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.

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Table-1
5 Day Rainfall Forecast (MORNING)
26-August-2022

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

% Station Reporting Rainfall

% 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)
No Rain	Dry		

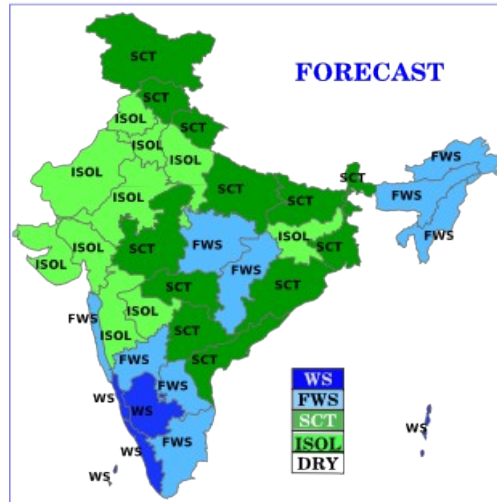
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26 Aug (Day 1): ♦ Heavy rainfall at isolated places very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, East Madhya Pradesh, Chhattisgarh, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Rayalaseema, South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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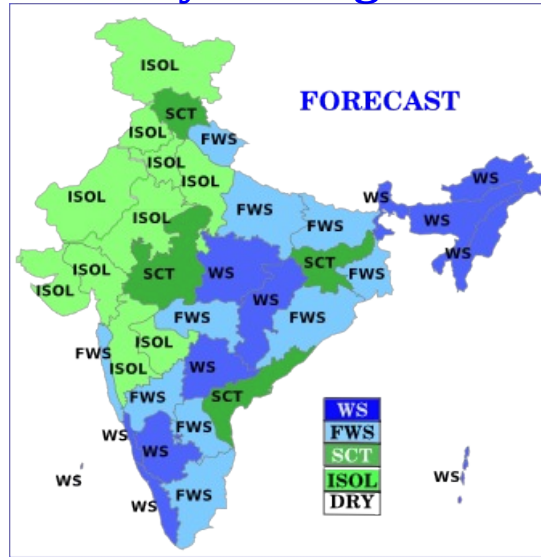
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Saturday 27 August 2022



27 Aug (Day 2): ♦**Heavy to very heavy rainfall** at isolated places very likely over Arunachal Pradesh and Assam & Meghalaya; **heavy rainfall** at isolated places very likely over East Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Bihar, Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Telangana, Rayalaseema, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, West Bengal & Sikkim, Odisha, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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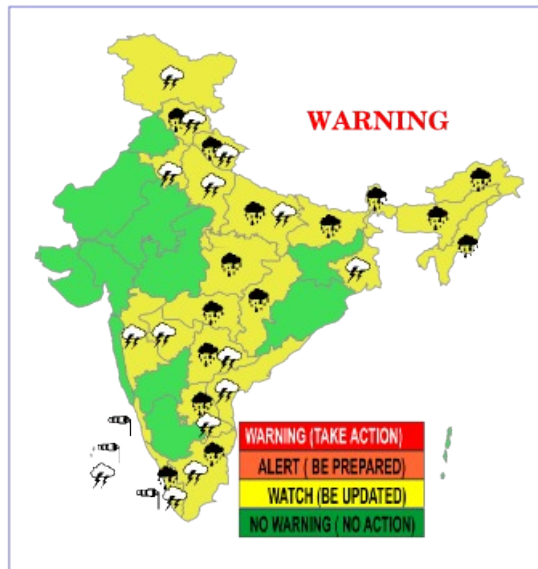
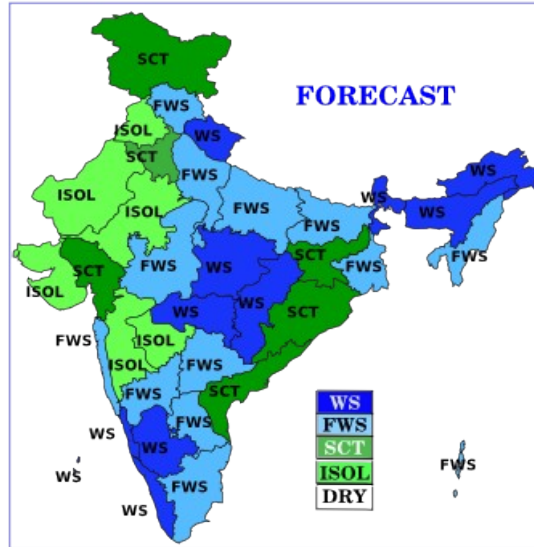
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Sunday 28 August 2022



28 Aug (Day 3): ♦ Heavy rainfall at isolated places likely over Himachal Pradesh, Uttarakhand, East Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Telangana, Rayalaseema, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦**Thunderstorm accompanied with lightning** at isolated places likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Haryana, Chandigarh & Delhi, Gangetic West Bengal, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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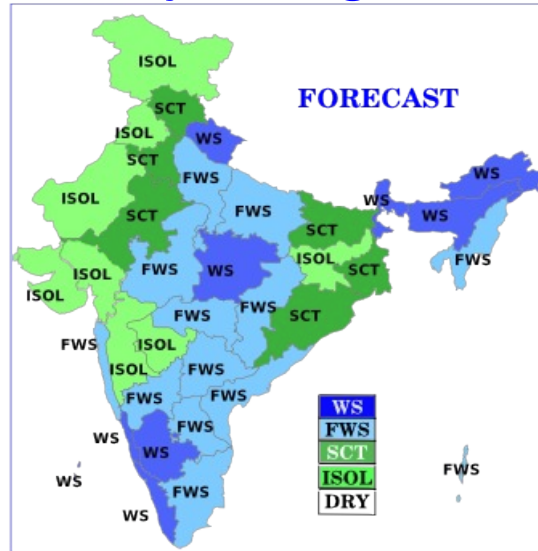
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Monday 29 August 2022



29 Aug (Day 4): ♦Heavy rainfall at isolated places likely over Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Tamil Nadu, Puducherry & Karaikal.

♦**Thunderstorm accompanied with lightning** at isolated places likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Uttar Pradesh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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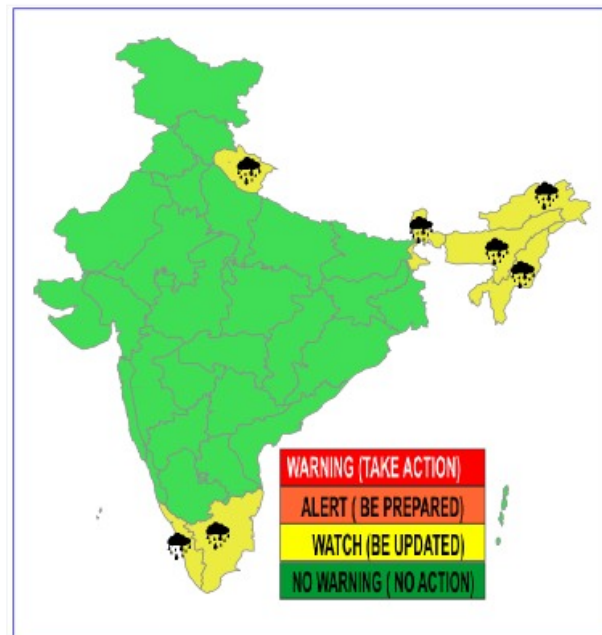
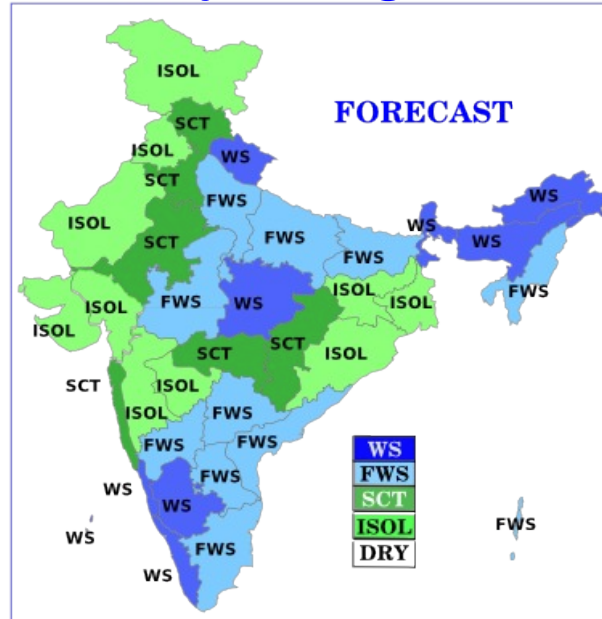
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Tuesday 30 August 2022



30 Aug (Day 5): ♦Heavy rainfall at isolated places likely over Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦**Thunderstorm accompanied with lightning** at isolated places likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Uttar Pradesh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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LEGENDS

- 1 अंडमान और निकोबार द्वीप समूह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मीजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एंवम् सिक्किम
- 6 पश्चिम गंगोय बंगाल
- 7 ओडिशा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडिगढ़ एंवम् दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एंवम् कश्मीर एंवम् लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सौराष्ट्र एंवम् कच्छ
- 23 कोंकण एंवम् गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठावाडा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एंवम् कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एंवम् 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. Marathawada
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

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

* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798

(Copies to the Media upto 1070)

LEGENDS

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



Rain/ Snow *

Heavy: 64.5 to 115.5 mm/cm *
Very Heavy: 115.6 to 204.4 mm/cm *
Extremely Heavy: > 204.4 mm/cm *



Heat Wave

When maximum temperature of a station reaches $\geq 40^{\circ}\text{C}$ for plains and $\geq 30^{\circ}\text{C}$ for hilly regions

(a) Based on Departure from normal

Heat Wave: Maximum Temperature Departure from normal 4.5°C to 6.4°C .

Severe Heat Wave: Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$.

Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$

(c) Criteria for heat wave for coastal stations

When maximum temperature departure is $> 4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$



Warm Night

When maximum temperature remains 40°C

Warm Night: When minimum temperature departure 4.5°C to 6.4°C .

Severe Warm Night: When minimum temperature departure $> 6.4^{\circ}\text{C}$.



Cold Wave

When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions.

(a). Based on departure

Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C .

Severe Cold Wave: Minimum Temperature Departure from normal $\geq -6.5^{\circ}\text{C}$

(b) Based on actual Minimum Temperature (for Plains only)

Cold Wave : When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$

Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$

(c) For Coastal Stations

When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ or actual Minimum Temperature is $\leq 15^{\circ}\text{C}$



Cold Day

When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions

Based on departure

Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C .

Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$



Fog

Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{km}$

Moderate Fog: When the visibility between 500-200 metres

Dense Fog: when the visibility between 50- 200 metres

Very Dense Fog: when the visibility < 50 metres



Thunderstorm

Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)



Dust/Sand Storm

An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.



Frost

Ice deposits on ground

Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)



Squall

A strong wind that rises suddenly, lasts for atleast 1 minute.

Moderate: Wind speed 52-61 kmph

Severe: Wind speed 62-87 kmph

Very Severe: Wind speed > 87 kmph



Sea State

Effect of various waves in the sea over specific area

Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre

High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre

Phenomenal: Wind speed > 117 kmph (> 63 knots) & Wave height > 14 metre



Cyclone

Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)

Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)

Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots)

Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)

Super Cyclone Storm: Wind speed > 220 kmph (> 119 knots)

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