



Friday 02 September 2022

MORNING

Time of Issue: 0730 hours IST

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

- ◆ The monsoon trough at mean sea level runs north of its normal position.
- ◆ A cyclonic circulation lies over Kutch in lower tropospheric levels.
- ◆ Another cyclonic circulation lies over north Tamil Nadu in lower tropospheric levels.
- ◆ A trough runs from south Sri Lanka coast to central Madhya Pradesh & another trough runs from Jammu to central Pakistan in lower tropospheric levels.
- ◆ **Under the influence of the above systems:**
 - i) Fairly widespread/widespread rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Nagaland, Manipur, Mizoram & Tripura, Arunachal Pradesh and Assam & Meghalaya during next 5 days. Isolated very heavy rainfall also likely over Arunachal Pradesh and Assam & Meghalaya on 02nd & 03rd September, 2022.
 - ii) Fairly widespread/widespread rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Bihar on 02nd & 03rd; Jharkhand on 03rd and over Sub-Himalayan West Bengal(SHWB) & Sikkim during next 5 days. Isolated **extremely heavy rainfall** over SHWB & Sikkim on 02nd; **very heavy rainfall** also likely on 03rd & 04th September, 2022.
 - iii) Fairly widespread/widespread rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Coastal Karnataka during 04th-06th; North Interior Karnataka and Rayalaseema on 05th & 06th; Lakshadweep on 02nd; Tamil Nadu, Kerala & Mahe and South Interior Karnataka during next 5 days. Isolated **very heavy rainfall** also likely over Kerala & Mahe and Lakshadweep on 02nd September, 2022.
 - iv) Isolated/scattered rainfall over Western Himalayan Region & Uttar Pradesh during next 3 days and fairly widespread/widespread rainfall during subsequent 2 days with **isolated heavy falls and thunderstorm/lightning** very likely over Jammu & Kashmir on 04th; Himachal Pradesh on 04th & 05th and Uttarakhand on 03rd, 04th & 05th September, 2022. Isolated **very heavy rainfall** also likely over Uttarakhand on 04th September, 2022.
 - v) Fairly widespread/widespread rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Gujarat Region, Madhya Maharashtra & Konkan & Goa on 02nd September.

Main Weather Observations

* 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

(Circle as the Nation since 1975)



◆ **Rainfall/thundershower observed (from 0830 hours IST to 1730 hours IST of yesterday):** at most places over Lakshadweep and Tamilnadu, Puducherry & Karaikal; at many places over Rayalaseema and Kerala & Mahe; at a few places over Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim, Himachal Pradesh, East Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Jharkhand, Coastal Andhra Pradesh & Yanam, Andaman & Nicobar Islands and North & South Interior Karnataka and at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Uttarakhand, West Uttar Pradesh, East Madhya Pradesh, Marathwada, Telangana, Chhattisgarh, Gujarat State, Gangetic West Bengal and Coastal Karnataka.

◆ **Chief amount of Rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday): (2 cm or more):** Minicoy and Indore -6 each; Punalur-5; Lucknow and Ambikapur-4 each; Ratlam, Dharwad, Valprai and Numgambakkam-3 each; Karipur and North Lakhimpur-2 each.

◆ **Thunderstorm observed (from 0830 hours IST of yesterday to 0530 hours IST of today):** at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh, East Rajasthan, Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Bihar, Jharkhand, Chhattisgarh, Rayalaseema, Madhya Maharashtra, Marathwada, Coastal & North Interior Karnataka, Gujarat State and Tamilnadu, Puducherry & Karaikal.

◆ **Minimum Temperature Departures (as on 01-09-2022):** Minimum temperatures were above normal (1.6°C to 3.0°C) at most places over Punjab and Uttarakhand; at many places over West Madhya Pradesh; at a few places over Himachal Pradesh, Haryana, Chandigarh, & Delhi, Rajasthan, Gujarat Region, East Madhya Pradesh, Vidarbha, Gangetic West Bengal, Odisha and Telangana; at isolated places over Saurashtra & Kutch and Madhya Maharashtra. They were below normal (-1.6°C to -3.0°C) at many places over Tamilnadu, Puducherry & Karaikal and near normal over rest parts of the country. Yesterday, the lowest minimum temperature of 16.6°C was reported at Tirupattur (Tamilnadu, Puducherry & Karaikal) over the plains of the country.

◆ **Maximum Temperature Departures (as on 01-09-2022):** Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Punjab, Haryana, Chandigarh & Delhi and Odisha; at a few places over Madhya Maharashtra, Chhattisgarh and Gangetic West Bengal and at isolated places over Madhya Pradesh; above normal (1.6°C to 3.0°C) at many places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, East Rajasthan, Jharkhand, Telangana and Marathwada; at a few places over Konkan & Goa, Coastal Andhra Pradesh & Yanam, North Interior Karnataka and Vidarbha. They were Markedly below normal (-5.1 or less) at isolated places over Tamilnadu, Puducherry & Karaikal; below normal (-1.6°C to -3.0°C) at isolated places over Gujarat Region and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 39.5°C was reported at Ganganagar (West Rajasthan) & Hissar (Haryana) over the plains of the country.

* 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

(Circle as the National office 1877)



Meteorological Analysis (Based on 0530 hours IST)

- ◆ The **monsoon trough** at mean sea level now passes through Amritsar, Ambala, Bareilly, Gorakhpur, Darbhanga, Balurghat and thence eastwards to Nagaland across north Bangladesh and Assam.
- ◆ The cyclonic circulation over north Tamil Nadu & neighbourhood extending upto 1.5 km above mean sea level persists.
- ◆ The trough from south Sri Lanka coast to central Madhya Pradesh across cyclonic circulation over north Tamil Nadu & neighbourhood, Interior Karnataka & Marathwada at 0.9 km above mean sea level persists.
- ◆ The cyclonic circulation over Kutch & neighbourhood at 3.1 km above mean sea level persists.
- ◆ The trough from Jammu to central Pakistan at 1.5 km above mean sea level persists.

Weather Forecast for next 5 days * upto 0830 hours IST of 07th September, 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 07th September- 09th September, 2022

- ◆ Fairly widespread to widespread light/moderate rainfall activity likely over south Peninsular India, West Coast, Central, Northeast & East India. Isolated heavy to very heavy falls also likely over southern parts of west coast.
- ◆ Isolated to scattered light/moderate rainfall activity over remaining parts of the country except Rajasthan & Saurashtra & Kutch where dry weather is likely.

* 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

(Circle to the Nation since 1975)

Weather Warning during next 5 days *

02 Sept (Day 1): ♦ Heavy to very heavy rainfall with extremely heavy falls at isolated places very likely over Sub-Himalayan West Bengal & Sikkim; **heavy to very heavy rainfall** at isolated places over Kerala & Mahe, Lakshadweep, Arunachal Pradesh, Assam & Meghalaya **heavy rainfall** at isolated places over Bihar, Nagaland, Manipur, Mizoram & Tripura, Gujarat region, Madhya Maharashtra, Konkan & Goa, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Uttarakhand, Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Marathwada, Konkan & Goa, Gujarat state, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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

03 Sept (Day 2): ♦ Heavy to very heavy rainfall at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya and **heavy rainfall** at isolated places over Uttarakhand, Bihar, Jharkhand, Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Uttarakhand, Uttar Pradesh, Bihar, Jharkhand, Gangetic West Bengal, Odisha, Madhya Maharashtra, Konkan & Goa, Arunachal Pradesh, Assam & Meghalaya, Karnataka, Nagaland, Manipur, Mizoram & Tripura, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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

04 Sept (Day 3): ♦ Heavy to very heavy rainfall at isolated places likely over Uttarakhand and Sub-Himalayan West Bengal & Sikkim and **heavy rainfall** at isolated places over Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, coastal & South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places likely over Andaman & Nicobar Islands and **with lightning** at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, west Uttar Pradesh, Gangetic west Bengal, coastal Andhra Pradesh, Rayalaseema, Telangana, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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

05 Sept (Day 4): ♦ Heavy rainfall at isolated places likely over Himachal Pradesh, Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Rayalaseema, Kerala & Mahe, Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places likely over Andaman & Nicobar Islands and **with lightning** at isolated places likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, west Uttar Pradesh, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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

06 Sept (Day 5): ♦ Heavy rainfall at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Rayalaseema, Kerala & Mahe, Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places likely over Andaman & Nicobar Islands and **with lightning** at isolated places likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, west Uttar Pradesh, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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

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.

* 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

(As per the Meteorology Act 1975)



Table-1
5 Day Rainfall Forecast (MORNING)
02-September-2022

Met-Sub-Division	02-Sep Today	03Sep Sat	04Sep Sun	05Sep Mon	06Sep Tue
1. Andaman & Nicobar Islands	FWS	FWS	WS	WS	WS
2. Arunachal Pradesh	WS	WS	WS	FWS	SCT
3. Assam & Meghalaya	WS	WS	WS	FWS	FWS
4. N. M. M. & T.	SCT	FWS	FWS	SCT	SCT
5. S.H. West Bengal & Sikkim	WS	WS	WS	WS	WS
6. Gangetic West Bengal	SCT	FWS	FWS	FWS	FWS
7. Odisha	ISOL	SCT	SCT	FWS	FWS
8. Jharkhand	WS	WS	WS	FWS	WS
9. Bihar	FWS	FWS	SCT	SCT	FWS
10. East Uttar Pradesh	SCT	ISOL	ISOL	ISOL	SCT
11. West Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
12. Uttarakhand	SCT	SCT	WS	FWS	FWS
13. Haryana, Chd & Delhi	ISOL	ISOL	ISOL	SCT	SCT
14. Punjab	ISOL	ISOL	ISOL	SCT	SCT
15. Himachal Pradesh	ISOL	FWS	WS	WS	WS
16. J & K and Ladakh	ISOL	ISOL	SCT	SCT	SCT
17. West Rajsthan	ISOL	DRY	DRY	DRY	DRY
18. East Rajasthan	ISOL	ISOL	ISOL	ISOL	ISOL
19. West Madhya Pradesh	SCT	ISOL	ISOL	ISOL	ISOL
20. East Madhya Pradesh	SCT	SCT	SCT	SCT	SCT
21. Gujarat Region	ISOL	ISOL	ISOL	ISOL	ISOL
22. Saurashtra & Kutch	ISOL	ISOL	DRY	DRY	DRY
23. Konkan & Goa	WS	FWS	WS	WS	WS
24. Madhya Maharashtra	FWS	SCT	SCT	SCT	SCT
25. Marathawada	SCT	ISOL	ISOL	SCT	SCT
26. Vidharbha	SCT	SCT	SCT	SCT	SCT
27. Chhattisgarh	SCT	SCT	SCT	FWS	WS
28. Coastal A. P. & Yanam	ISOL	ISOL	SCT	FWS	FWS
29. Telangana	ISOL	ISOL	SCT	SCT	FWS
30. Rayalaseema	ISOL	ISOL	SCT	SCT	FWS
31. T.N.,Puducherry & Karaikal	SCT	SCT	FWS	FWS	SCT
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	FWS	FWS	FWS	WS	WS
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		

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

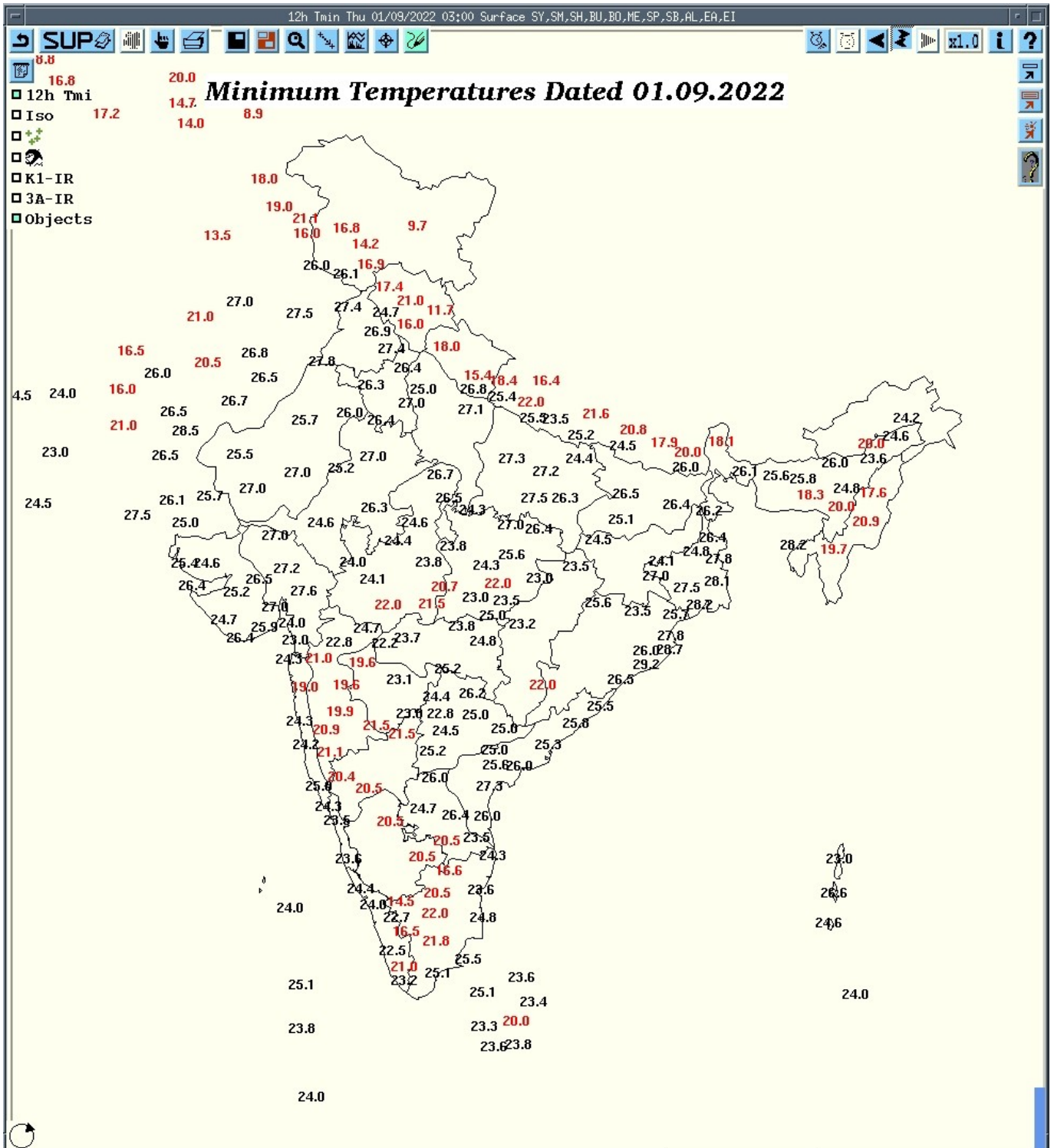
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

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

(Circle as the Station code 4870)



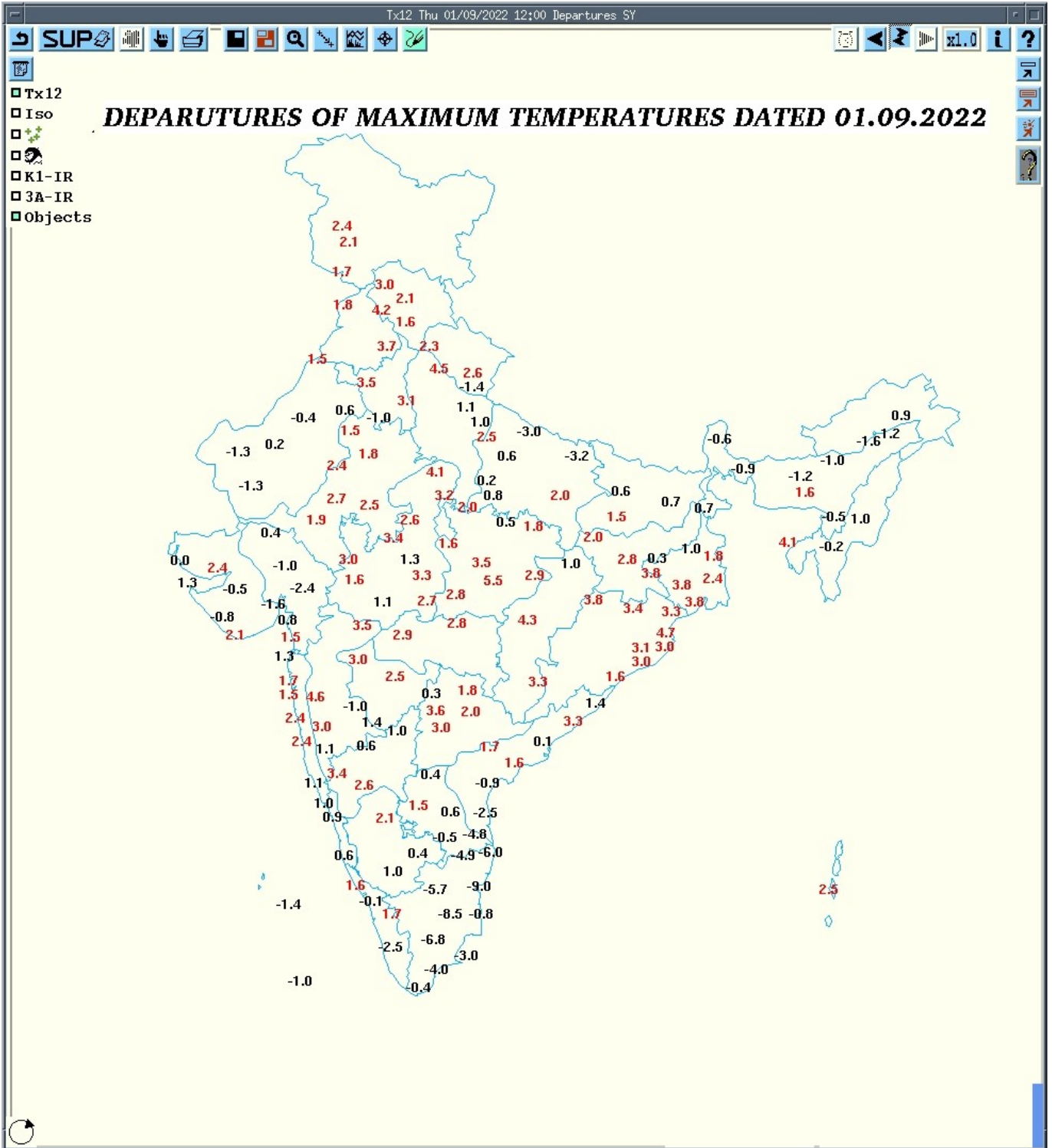
Fig. 3: Minimum Temperature during past 24 hours



* 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

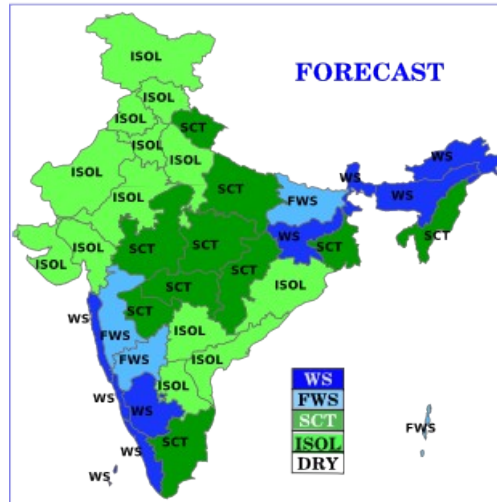


Fig. 4 : Departure from Normal of Maximum Temperatures



* 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

Friday 02 September 2022



02 Sept (Day 1): ♦ Heavy to very heavy rainfall with extremely heavy falls at isolated places very likely over Sub-Himalayan West Bengal & Sikkim; **heavy to very heavy rainfall** at isolated places over Kerala & Mahe, Lakshadweep, Arunachal Pradesh, Assam & Meghalaya **heavy rainfall** at isolated places over Bihar, Nagaland, Manipur, Mizoram & Tripura, Gujarat region, Madhya Maharashtra, Konkan & Goa, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Uttarakhand, Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Marathwada, Konkan & Goa, Gujarat state, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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

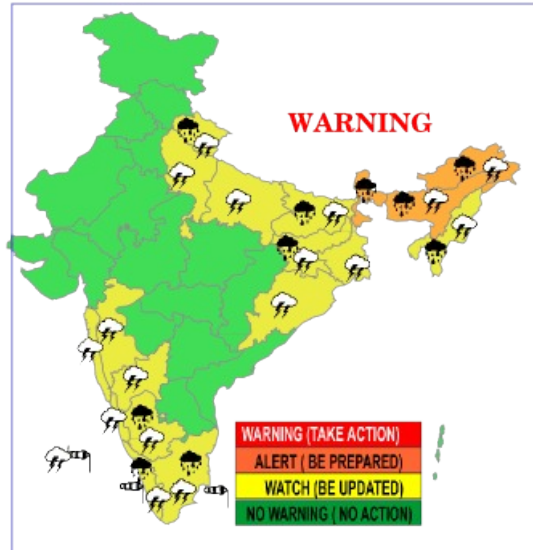
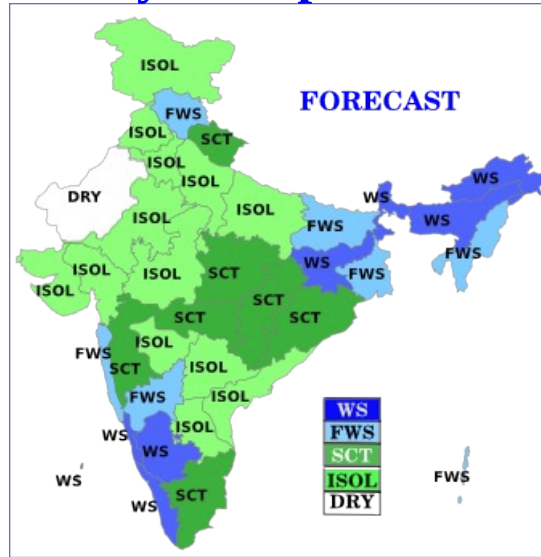
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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

(Circle as the Nation class 1077)

Saturday 03 September 2022



03 Sept (Day 2): ♦Heavy to very heavy rainfall at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya and **heavy rainfall** at isolated places over Uttarakhand, Bihar, Jharkhand, Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦**Thunderstorm accompanied with lightning** at isolated places likely over Uttarakhand, Uttar Pradesh, Bihar, Jharkhand, Gangetic West Bengal, Odisha, Madhya Maharashtra, Konkan & Goa, Arunachal Pradesh, Assam & Meghalaya, Karnataka, Nagaland, Manipur, Mizoram & Tripura, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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

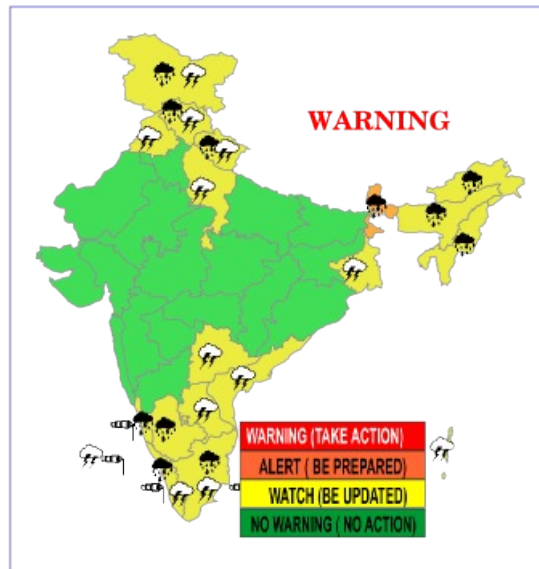
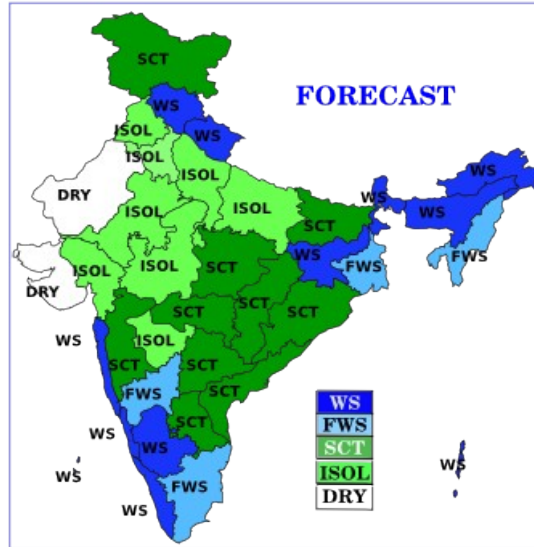
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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 since 1977)

Sunday 04 September 2022



04 Sept (Day 3): ♦ Heavy to very heavy rainfall at isolated places likely over Uttarakhand and Sub-Himalayan West Bengal & Sikkim and **heavy rainfall** at isolated places over Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, coastal & South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places likely over Andaman & Nicobar Islands and **with lightning** at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, west Uttar Pradesh, Gangetic west Bengal, coastal Andhra Pradesh, Rayalaseema, Telangana, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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

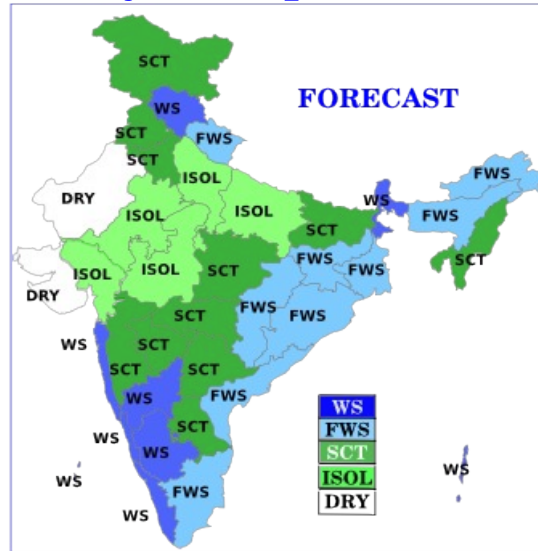
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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

(Circle as the National flag)

Monday 05 September 2022



05 Sept (Day 4): ♦ Heavy rainfall at isolated places likely over Himachal Pradesh, Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Rayalaseema, Kerala & Mahe, Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places likely over Andaman & Nicobar Islands and **with lightning** at isolated places likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, west Uttar Pradesh, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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

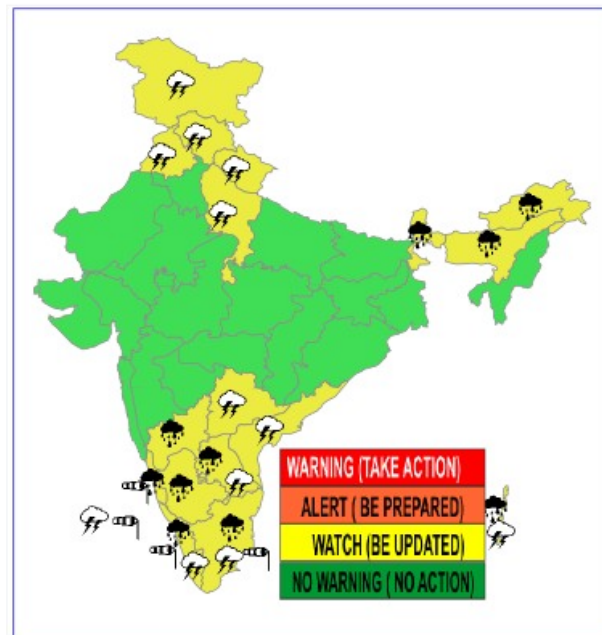
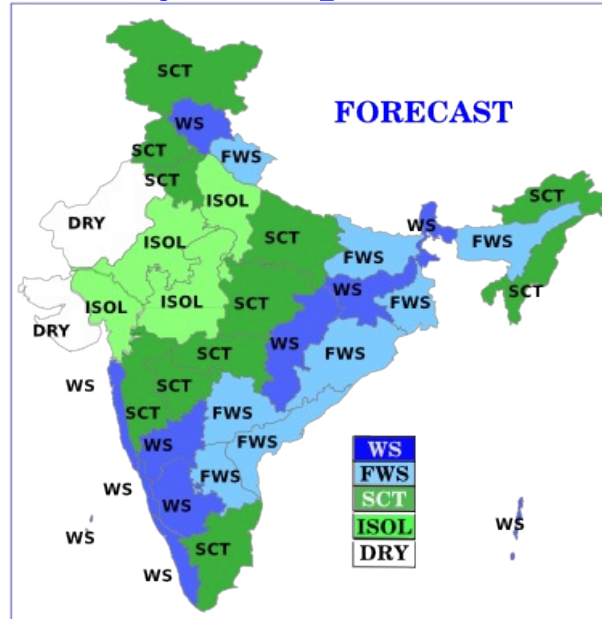
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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

(Circle as the National flag 497)

Tuesday 06 September 2022



06 Sept (Day 5): ♦ Heavy rainfall at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Rayalaseema, Kerala & Mahe, Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places likely over Andaman & Nicobar Islands and **with lightning** at isolated places likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, west Uttar Pradesh, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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

* 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

(Circle as the National flag 497)

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 एवं सिक्किम
- 6 पश्चिम गंगोय बंगाल
- 7 ओडिशा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडिगढ़ एवं दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर एवं लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सौराष्ट्र एवं कच्छ
- 23 कोंकण एवं गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठावाडा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एवं कराईकल
- 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. 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 of the Manual are 1077)

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)

* 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

(Created by the Meteorology Dept)