



Friday 30 September 2022

MORNING

Time of Issue: 0745 hours IST

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

◆ **Withdrawal of Southwest Monsoon:**

□ The withdrawal line of Southwest Monsoon passes through Jammu, Una, Chandigarh, Karnal, Baghpat, Delhi, Alwar, Jodhpur and Nalia.

◆ **Weather systems, rainfall/thunderstorm Forecast & Warnings:**

□ A cyclonic circulation lies over Westcentral Bay of Bengal off Andhra Pradesh coast in lower tropospheric levels.

□ An eastwest trough runs from Eastcentral Bay of Bengal to South Interior Karnataka across Westcentral Bay of Bengal and Rayalaseema in lower tropospheric levels.

□ A cyclonic circulation is likely to emerge into northeast & adjoining eastcentral Bay of Bengal around 01st October, 2022.

◆ **Under the influence of above systems:**

o Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** & thunderstorm/lightning very likely over Coastal Andhra Pradesh & Yanam on 30th September-01st October, Telangana, Rayalaseema and Interior Karnataka on 30th September.

o Scattered to fairly widespread light/moderate rainfall with **isolated heavy falls** very likely over Odisha and Chhattisgarh on 01st & 02nd October; Jharkhand on 3rd; Gangetic West Bengal on 2nd & 3rd October, 2022. Isolated **very heavy rainfall** also very likely over Odisha on 03rd October, 2022.

o Scattered to fairly widespread light/moderate rainfall with **isolated heavy falls** & thunderstorm/lightning very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 02nd, 3rd & 4th October, 2022.

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 **many places** over North Interior Karnataka, Coastal Andhra Pradesh & Yanam and Andaman & Nicobar Islands; **at a few places** over Bihar, Odisha, Chhattisgarh, Madhya Maharashtra and Telangana; **at isolated places** over Assam & Meghalaya, Gangetic West Bengal, Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Gujarat State and Rayalaseema.
- ◆ **Heavy rainfall recorded (from 0830 hours IST to 1730 hours IST of yesterday):** **Heavy rainfall** at isolated places over Odisha.
- ◆ **Chief amount of Rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday): (2 cm or more):** Jharsiguda-7; Chapra, Puri, Pune and Kakinada-2; Bhubaneswar, Bhavnagar, Port Blair and Now Cowry-1 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, Konkan & Goa, Madhya Maharashtra, Telangana, Vidarbha, Chhattisgarh, Gangetic West Bengal, Jharkhand, Bihar, North Interior Karnataka, Coastal Andhra Pradesh & Yanam and Odisha.
- ◆ **Minimum Temperature Departures (as on 29-09-2022):** Minimum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at many places over Punjab; at isolated places over East Uttar Pradesh; **above normal (1.6°C to 3.0°C)** at most places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad and Haryana, Chandigarh & Delhi; at many places over East Rajasthan, West Madhya Pradesh and Bihar; at a few places over Himachal Pradesh, West Uttar Pradesh, West Rajasthan, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Assam & Meghalaya, Gujarat Region and Tamil Nadu, Puducherry & Karaikal; at isolated places over East Madhya Pradesh, Saurashtra & Kutch. They were **below normal (-1.6°C to -3.0°C)** at a few places over at isolated places over Coastal Andhra Pradesh & Yanam and near normal over rest parts of the country. **Yesterday, the lowest minimum temperature of 19.8°C** was reported at **Mandla (East Madhya Pradesh)** over the plains of the country.
- ◆ **Maximum Temperature Departures (as on 29-09-2022):** Maximum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at a many places over Assam & Meghalaya; at isolated places over Nagaland, Manipur, Mizoram & Tripura and Tamil Nadu, Puducherry & Karaikal; **above normal (1.6°C to 3.0°C)** at a few places over Himachal Pradesh, Coastal Karnataka and Kerala & Mahe; at isolated places over East Uttar Pradesh, West Madhya Pradesh, Gangetic West Bengal and Coastal Andhra Pradesh & Yanam. They were **appreciably below normal (3.1°C to 5.0°C)** at isolated places over Rayalaseema; **below normal (-1.6°C to -3.0°C)** at many places over Telangana; at a few places over North Interior Karnataka; at isolated places over Madhya Maharashtra and Saurashtra & Kutch and near normal over rest parts of the country. Yesterday, the **highest maximum temperature of 38.8°C** was reported at **Bikaner(West Rajasthan)** 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 flag (2022))



Meteorological Analysis (Based on 0530 hours IST)

- ◆ The withdrawal line of Southwest Monsoon continue to pass through Jammu, Una, Chandigarh, Karnal, Baghpat, Delhi, Alwar, Jodhpur and Nalia.
- ◆ The cyclonic circulation over West Uttar Pradesh between 3.1 & 5.8 km above mean sea level persists.
- ◆ The cyclonic circulation over Westcentral Bay of Bengal off Andhra Pradesh coast persists and now extends upto 3.1 km above mean sea level.
- ◆ The east-west trough from eastcentral Bay of Bengal to South Interior Karnataka across West Central Bay of Bengal Rayalaseema at 3.1 km above mean sea level persists.
- ◆ A cyclonic circulation is likely to emerge into northeast and adjoining eastcentral Bay of Bengal around 1st October, 2022.

Weather Forecast for next 5 days * upto 0830 hours IST of 05th October, 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 05th October-07th October, 2022

- ◆ Scattered to fairly widespread light/moderate rainfall activity likely over Uttarakhand, East Rajasthan, Uttar Pradesh, Central, East & Northeast India, Islands and along the west coasts.
- ◆ Isolated to scattered light rainfall activity likely over rest parts of the country except remaining parts of northwest India and 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 *

30 Sept (Day 1): ♦ Heavy rainfall at isolated places very likely over Andaman & Nicobar Islands, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦**Thunderstorm accompanied with lightning & gusty wind (speed reaching 40-50 kmph)** at isolated places very likely over Andaman & Nicobar Islands and **with lightning** at isolated places over Jharkhand, Gangetic West Bengal, Odisha, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

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

01 Oct (Day 2): ♦ Heavy rainfall at isolated places likely over Odisha, Nagaland, Manipur, Mizoram & Tripura and Coastal Andhra Pradesh & Yanam.

♦**Thunderstorm accompanied with lightning & gusty wind (speed reaching 30-40 kmph)** at isolated places likely over Andaman & Nicobar Islands and **with lightning** at isolated places over Jharkhand, Gangetic West Bengal, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Marathwada, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana and Rayalaseema.

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

02 Oct (Day 3): ♦ Heavy rainfall at isolated places likely over Gangetic West Bengal, Odisha, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

♦**Thunderstorm accompanied with lightning** at isolated places likely over Vidarbha, Chhattisgarh, Bihar, Jharkhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Marathwada.

♦**Squally weather** (wind speed 40-45 kmph gusting to 55 kmph) is very likely over southeast and adjoining southwest, west-central, east-central Bay of Bengal and adjoining Andaman Sea. **Squally winds** of 45-55 kmph gusting to 65 kmph is likely over southwest Arabian Sea, along and off Somalia coast, Gulf of Mannar, southwest Bay of Bengal, along and off Sri Lanka coast, east-central and adjoining southeast Bay of Bengal, along and off north Myanmar coast and adjoining northeast Bay of Bengal. Fishermen are advised not to venture into these seas.

03 Oct (Day 4): ♦ Heavy to very heavy rainfall at isolated places likely over Odisha; **Heavy rainfall** at isolated places over Jharkhand, Gangetic West Bengal, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

♦**Thunderstorm accompanied with lightning** at isolated places likely over East Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar and Jharkhand.

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

04 Oct (Day 5): ♦ Heavy rainfall at isolated places over Sub-Himalayan West Bengal, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

♦**Thunderstorm accompanied with lightning** at isolated places likely over Odisha, East Uttar Pradesh, East Madhya Pradesh, Gangetic West Bengal, Chhattisgarh, Bihar and Jharkhand.

♦**Squally weather** (wind speed 40-45 kmph gusting to 55 kmph) is very likely over southeast and adjoining southwest Bay of Bengal and eastern parts of Comorin area. **Squally winds** of 45-55 kmph gusting to 65 kmph is likely over southwest Arabian Sea, along and off Somalia coast, Gulf of Mannar, southwest Bay of Bengal, along and off south Sri Lanka coast. 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

(Circle as the National Alert 1077)



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

Met-Sub-Division	30-Sep Today	01Oct Sat	02Oct Sun	03Oct Mon	04Oct Tue
1. Andaman & Nicobar Islands	WS	WS	FWS	FWS	FWS
2. Arunachal Pradesh	ISOL	ISOL	ISOL	SCT	FWS
3. Assam & Meghalaya	SCT	SCT	SCT	SCT	FWS
4. N. M. M. & T.	SCT	FWS	FWS	FWS	FWS
5. S.H. West Bengal & Sikkim	SCT	ISOL	SCT	FWS	FWS
6. Gangetic West Bengal	SCT	FWS	WS	WS	WS
7. Odisha	SCT	SCT	FWS	WS	WS
8. Jharkhand	SCT	SCT	FWS	WS	WS
9. Bihar	ISOL	ISOL	SCT	FWS	FWS
10. East Uttar Pradesh	DRY	DRY	ISOL	SCT	SCT
11. West Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
12. Uttarakhand	DRY	DRY	DRY	DRY	DRY
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	DRY	DRY	DRY	DRY	DRY
16. J & K and Ladakh	ISOL	ISOL	DRY	DRY	DRY
17. West Rajsthan	ISOL	DRY	DRY	DRY	DRY
18. East Rajasthan	ISOL	DRY	DRY	DRY	DRY
19. West Madhya Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
20. East Madhya Pradesh	ISOL	ISOL	ISOL	ISOL	SCT
21. Gujarat Region	ISOL	ISOL	ISOL	ISOL	ISOL
22. Saurashtra & Kutch	ISOL	ISOL	DRY	DRY	DRY
23. Konkan & Goa	FWS	FWS	SCT	SCT	SCT
24. Madhya Maharashtra	FWS	FWS	SCT	SCT	ISOL
25. Marathawada	SCT	ISOL	ISOL	ISOL	ISOL
26. Vidharbha	ISOL	ISOL	SCT	SCT	ISOL
27. Chhattisgarh	SCT	ISOL	SCT	FWS	FWS
28. Coastal A. P. & Yanam	FWS	FWS	SCT	SCT	SCT
29. Telangana	FWS	SCT	SCT	ISOL	ISOL
30. Rayalaseema	FWS	FWS	SCT	SCT	ISOL
31. T.N.,Puducherry & Karaikal	SCT	SCT	ISOL	ISOL	ISOL
32. Coastal Karnataka	FWS	FWS	FWS	FWS	FWS
33. North Interior Karnataka	FWS	FWS	FWS	FWS	SCT
34. South Interior Karnataka	FWS	FWS	FWS	FWS	SCT
35. Kerala & Mahe	ISOL	ISOL	SCT	SCT	SCT
36. Lakshadweep	SCT	SCT	SCT	SCT	SCT

% 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".

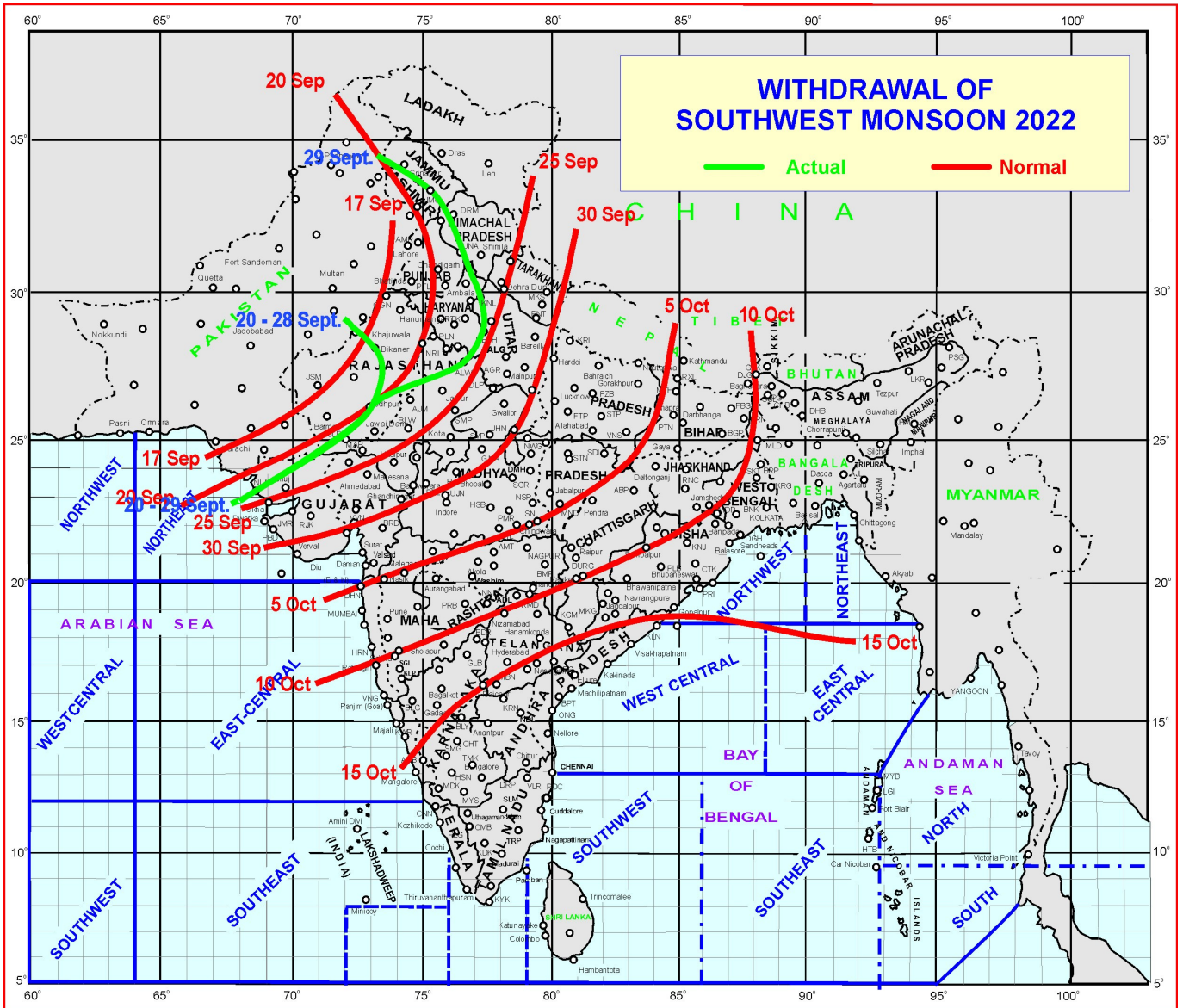
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

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

(Created by the National Press 4870)



Fig.1 Withdrawal of Southwest Monsoon 2022



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

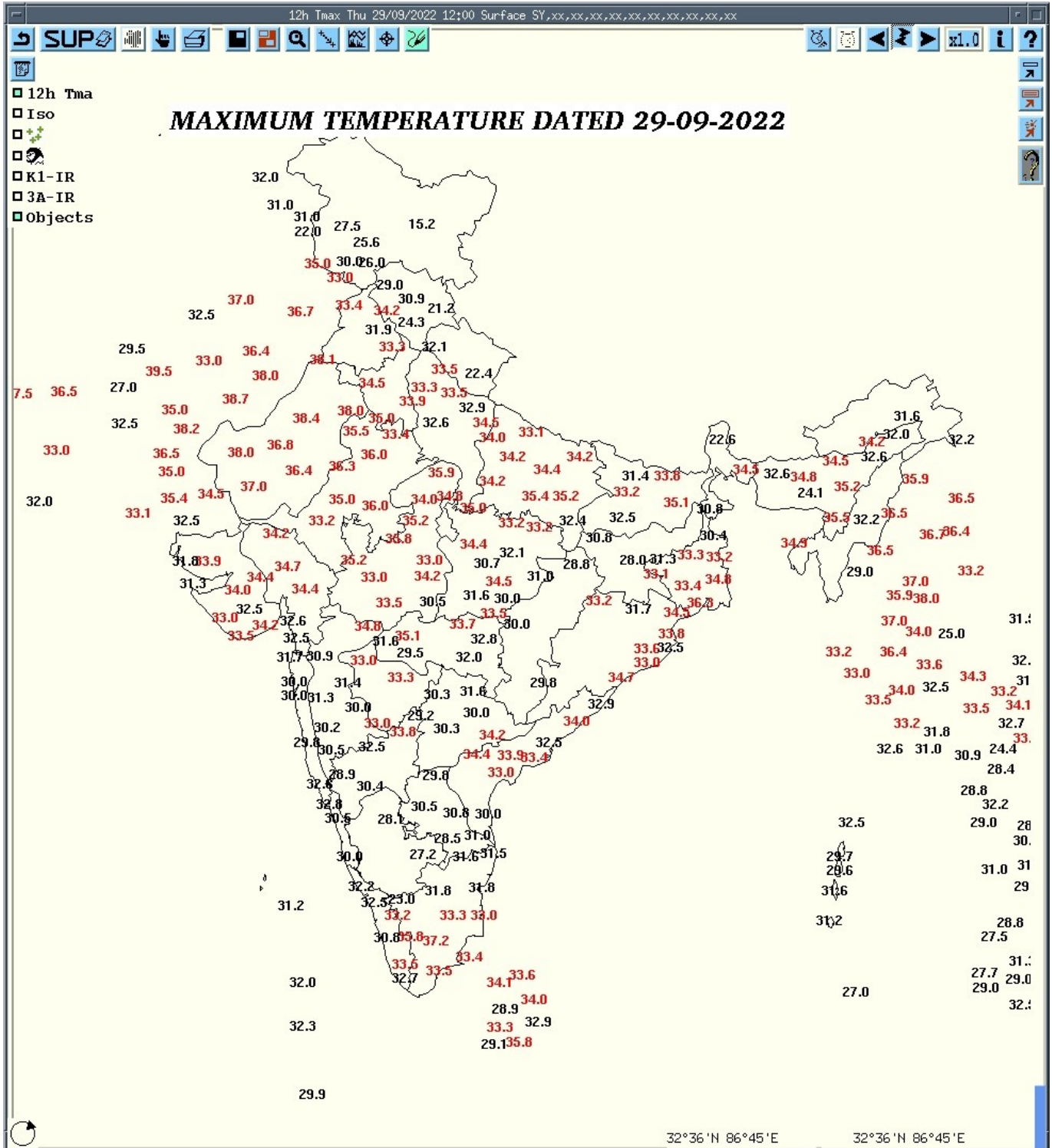
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

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

(Copies to the Meteorologist (G))



Fig. 3: Maximum Temperature during past 24 hours



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

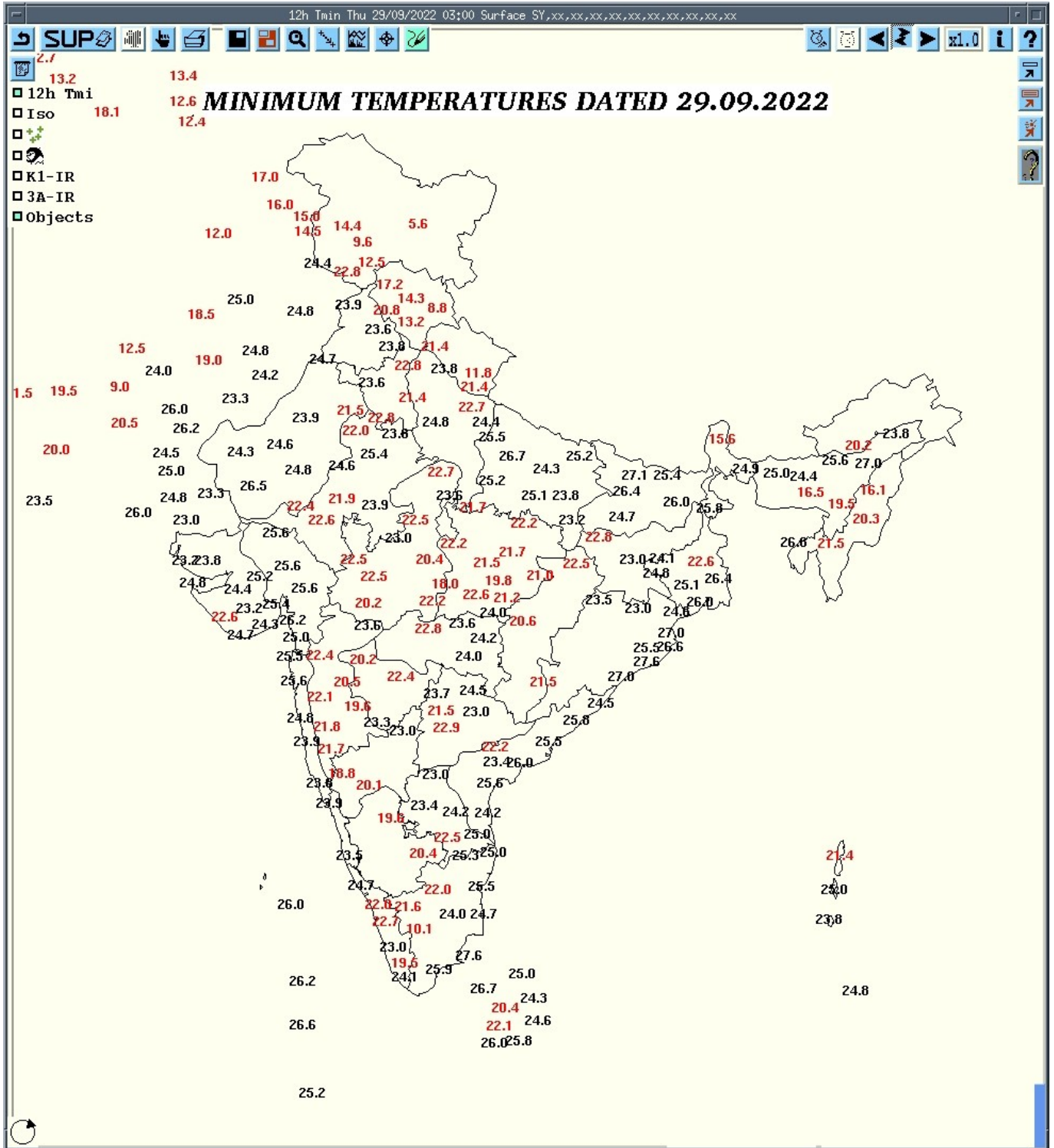
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

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

(Created by the Meteo-Info 4.0.0)



Fig. 4: Minimum Temperature during past 24 hours



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

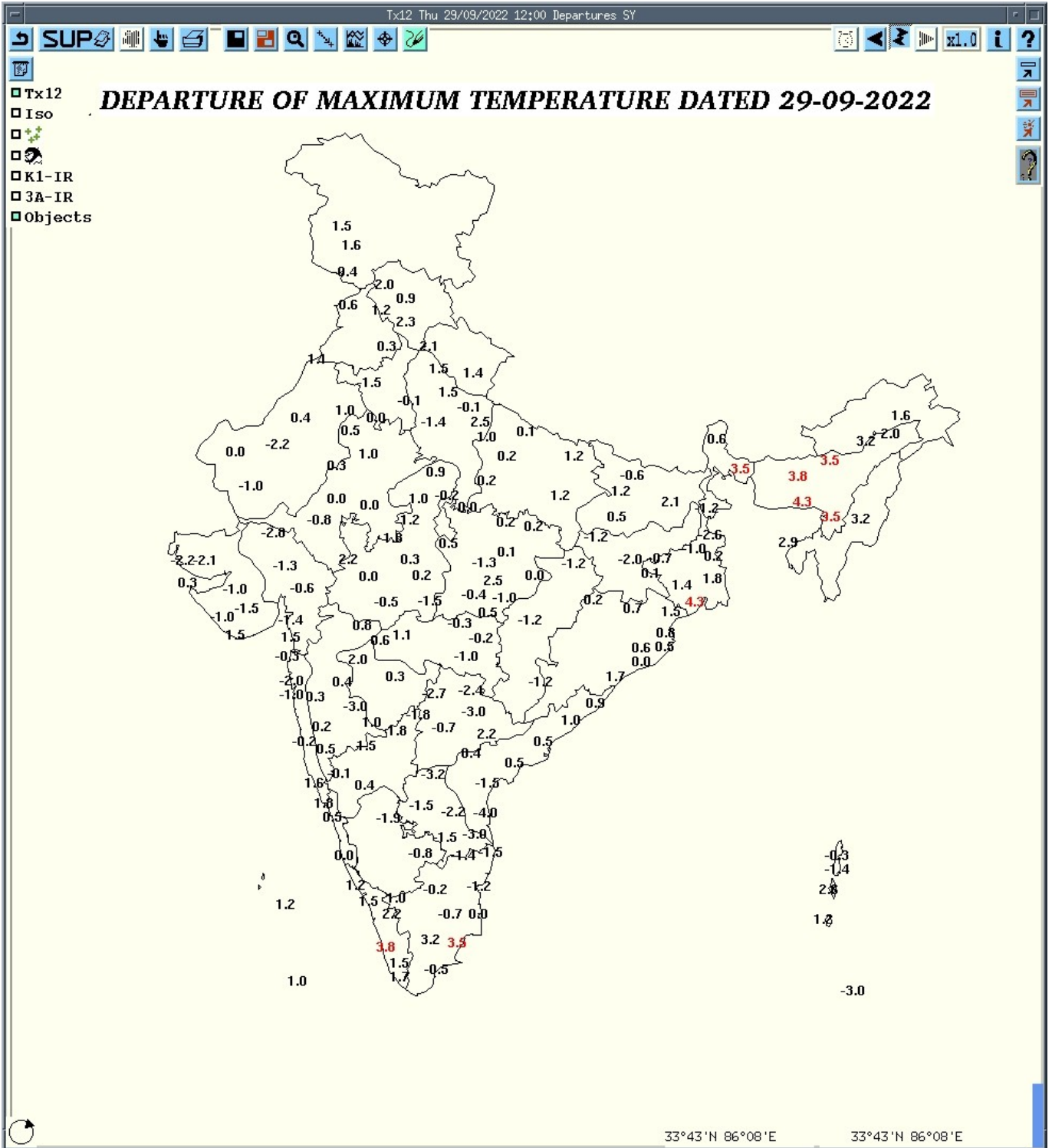
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

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

(Created by the MetInfo class 1977)



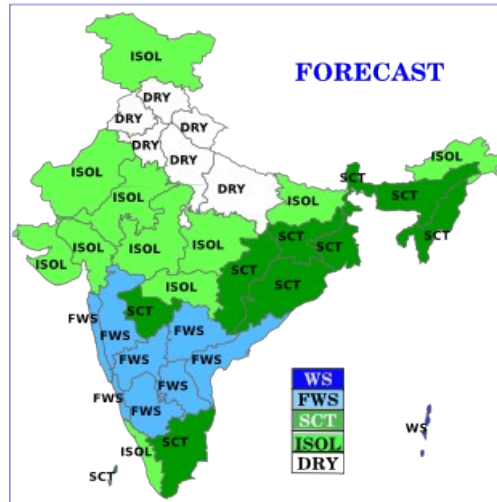
Fig. 5 : Departure from Normal of Maximum Temperatures



* 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

(Created by the MetInfo class 1977)

Friday 30 September 2022



30 Sept (Day 1): ♦ Heavy rainfall at isolated places very likely over Andaman & Nicobar Islands, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning & gusty wind (speed reaching 40-50 kmph)** at isolated places very likely over Andaman & Nicobar Islands and **with lightning** at isolated places over Jharkhand, Gangetic West Bengal, Odisha, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

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

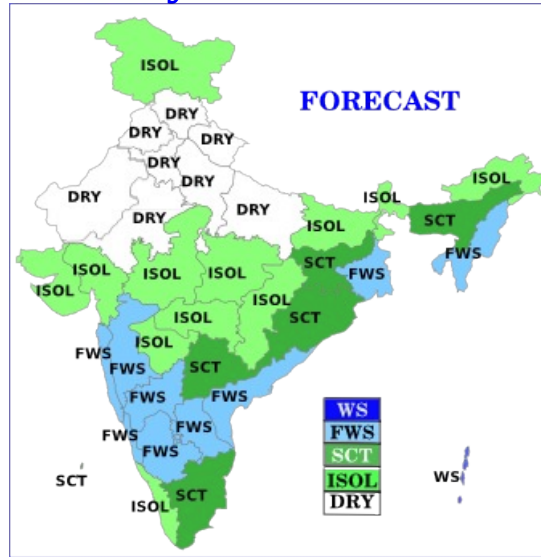
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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 since 1975)

Saturday 01 October 2022



01 Oct (Day 2): ♦ Heavy rainfall at isolated places likely over Odisha, Nagaland, Manipur, Mizoram & Tripura and Coastal Andhra Pradesh & Yanam.

♦**Thunderstorm accompanied with lightning & gusty wind (speed reaching 30-40 kmph)** at isolated places likely over Andaman & Nicobar Islands and **with lightning** at isolated places over Jharkhand, Gangetic West Bengal, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Marathwada, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana and Rayalaseema.

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

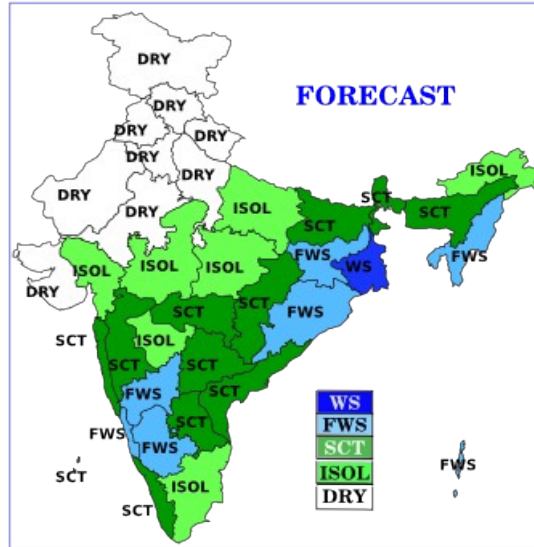
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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 since 1975)

Sunday 02 October 2022



02 Oct (Day 3): ♦ Heavy rainfall at isolated places likely over Gangetic West Bengal, Odisha, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Vidarbha, Chhattisgarh, Bihar, Jharkhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Marathwada.

♦ **Squally weather** (wind speed 40-45 kmph gusting to 55 kmph) is very likely over southeast and adjoining southwest, west-central, east-central Bay of Bengal and adjoining Andaman Sea. **Squally winds** of 45-55 kmph gusting to 65 kmph is likely over southwest Arabian Sea, along and off Somalia coast, Gulf of Mannar, southwest Bay of Bengal, along and off Sri Lanka coast, east-central and adjoining southeast Bay of Bengal, along and off north Myanmar coast and adjoining northeast Bay of Bengal. Fishermen are advised not to venture into these seas.

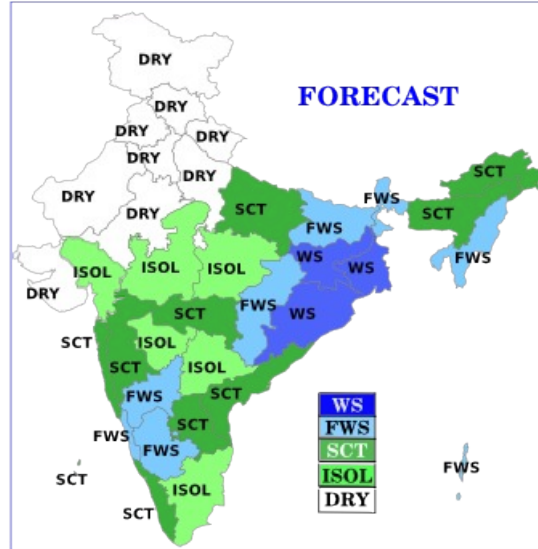
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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 487)

Monday 03 October 2022



03 Oct (Day 4): ♦ Heavy to very heavy rainfall at isolated places likely over Odisha; **Heavy rainfall** at isolated places over Jharkhand, Gangetic West Bengal, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over East Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar and Jharkhand.

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

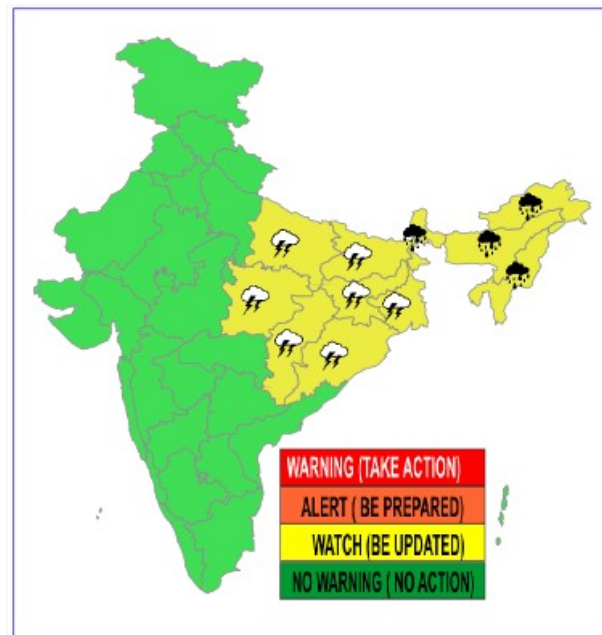
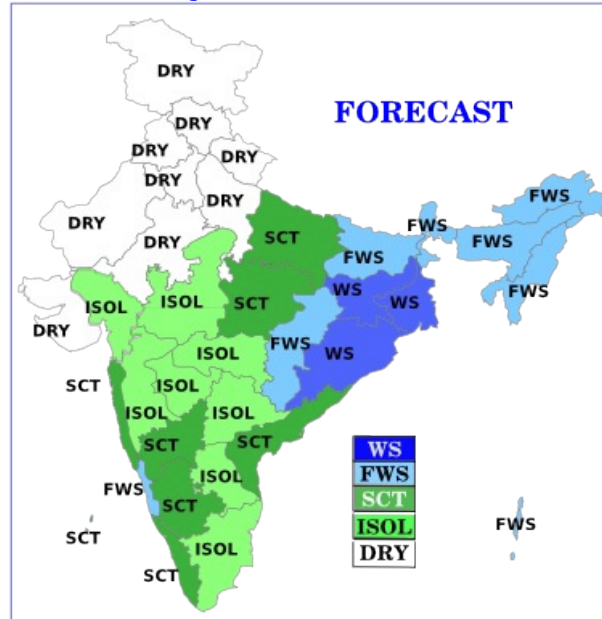
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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 only)

Tuesday 04 October 2022



04 Oct (Day 5): ♦ Heavy rainfall at isolated places over Sub-Himalayan West Bengal, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Odisha, East Uttar Pradesh, East Madhya Pradesh, Gangetic West Bengal, Chhattisgarh, Bihar and Jharkhand.

♦ **Squally weather** (wind speed 40-45 kmph gusting to 55 kmph) is very likely over southeast and adjoining southwest Bay of Bengal and eastern parts of Comorin area. **Squally winds** of 45-55 kmph gusting to 65 kmph is likely over southwest Arabian Sea, along and off Somalia coast, Gulf of Mannar, southwest Bay of Bengal, along and 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 National flag)

LEGENDS

- 1 अंडमान और निकोबार द्वीप समुह
- 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 एंवम् 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)

* 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.)