



Friday 14 October 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 continues to pass through Long. 79.0°E/ Lat. 31.7° N, Uttarkashi, Nazibabad, Agra, Gwalior, Ratlam, Bharuch and Long. 71.0°E / Lat. 20.3° N.

⇒ **Conditions are very likely to become favourable for withdrawal of southwest monsoon from some more parts of northwest & central India during next 2 days. It is likely to further withdraw from remaining parts of Northwest India, Gujarat state, some parts of Maharashtra, some more parts of Central India and some parts of East India during subsequent 2 days.**

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

⇒ A cyclonic circulation lies over Comorin area & neighbourhood in lower tropospheric levels.

⇒ A cyclonic circulation lies over central Bay of Bengal and neighbourhood in lower tropospheric levels.

⇒ Under the influence of above systems;

o Fairly widespread/widespread light/moderate rainfall with isolated **heavy falls & thunderstorm/lightning** very likely over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 14th-18th; South Interior Karnataka during 14th- 15th & 17th; Coastal Andhra Pradesh on 14th and Coastal Karnataka on 17th October, 2022.

o Fairly widespread/widespread light/moderate rainfall with isolated **heavy falls** very likely over Andaman & Nicobar Islands during 15th–18th October, 2022.

o Mainly dry weather very likely to prevail over most parts of Northwest India during next 5 days.

**Main Weather Observations**

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◆ **Rainfall/thundershower observed (from 0830 hours IST 1730 hours IST of yesterday):** at many places over Arunachal Pradesh; at a few places over Assam & Meghalaya, Gangetic West Bengal, Andaman & Nicobar Islands, Konkan & Goa, Marathwada, Vidarbha, North Interior Karnataka and Tamil Nadu, Puducherry & Karaikal and at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim, Chhattisgarh, Jharkhand, Madhya Maharashtra and South Interior Karnataka.

◆ **Heavy Rainfall Recorded (from 0830 hours IST 1730 hours IST of yesterday):** Isolated heavy rainfall occurred over Gangetic West Bengal and Andaman & Nicobar Islands.

◆ **Chief amount of Rainfall observed (from 0830 hours IST 1730 hours IST of yesterday): (1 cm or more):** Hut Bay-8; Purulia-7; Nagpur & Alibagh-3 each; Raipur, Wardha, Mumbai (Santacruz) & Tiruppattur-2 each; Satara, Bangalore, Salem, Valprai, Car Nicobar & Pasighat-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, Sub-Himalayan West Bengal & Sikkim, Odisha, Konkan & Goa, Madhya Maharashtra, Marathawada, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Karnataka and Assam & Meghalaya.

◆ **Minimum Temperature Departures (as on 13-10-2022):** Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Vidarbha and Marathwada; at a few places over East Madhya Pradesh and Saurashtra & Kutch; above normal (1.6°C to 3.0°C) at many places over Madhya Maharashtra, Chhattisgarh and Bihar; at a few places over Uttar Pradesh and West Madhya Pradesh; at isolated over Himachal Pradesh, West Rajasthan, Gujarat Region, Punjab, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim and Telangana. They were below normal (-1.6°C to -3.0°C) at isolated places over East Rajasthan and Tamil Nadu, Puducherry & Karaikal and near normal over rest parts of the country. Yesterday, the lowest minimum temperature of 15.0°C was reported at Sikar (East Rajasthan) over the plains of the country.

◆ **Maximum Temperature Departures (as on 13-10-2022):** Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Kerala & Mahe; above normal (1.6°C to 3.0°C) at a few places over Gangetic West Bengal, Saurashtra & Kutch and Coastal Karnataka; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Odisha, Coastal Andhra Pradesh & Yanam, South Interior Karnataka and Tamilnadu, Puducherry & Karaikal. They were appreciably below normal (-3.1°C to -5.0°C) at a few places over Haryana, Chandigarh & Delhi and Madhya Maharashtra; at isolated places over Bihar; below normal (-1.6°C to -3.0°C) at most places over West Madhya Pradesh; at many places over East Rajasthan and North Interior Karnataka; at a few places over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, East Madhya Pradesh, Vidarbha and Andaman & Nicobar Islands; at isolated places over Uttar Pradesh, Assam & Meghalaya and Rayalaseema and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 38.4°C was reported at Bhuj (Saurashtra & Kutch) over the plains of the country.

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### Meteorological Analysis (Based on 0530 hours IST)

- ◆ Conditions are very likely to become favourable for withdrawal of southwest monsoon from some more parts of northwest & central India during next 2 days. It is likely to further withdraw from remaining parts of Northwest India, Gujarat state, some parts of Maharashtra, some more parts of Central India and some parts of East India during subsequent 2 days.
- ◆ The withdrawal line of **Southwest Monsoon** continues to pass through Long. 79.0°E/ Lat. 31.7°N, Uttarkashi, Nazibabad, Agra, Gwalior, Ratlam, Bharuch and Long. 71.0°E / Lat. 20.3°N.
- ◆ The cyclonic circulation over Comorin area & neighbourhood extending upto 1.5 km above mean sea level persists.
- ◆ The cyclonic circulation over central Bay of Bengal and neighbourhood extending upto 3.1 km above mean sea level persists.
- ◆ The cyclonic circulation over Eastcentral Arabian sea off Konkan-Goa coast between 3.1 & 5.8 km above mean sea level persists.
- ◆ The **Western Disturbance** as a trough in mid & upper tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along 77°E to the north of 30°N.

### Weather Forecast for next 5 days \* upto 0830 hours IST of 19th 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 19th-21st October, 2022

- ◆ Fairly widespread light/moderate rainfall very likely over many parts of South peninsular India, Jharkhand, Odisha and Islands; over some parts of North East India. Isolated to scattered light/moderate rainfall very likely over Vidarbha, Chhattisgarh and Jammu, Kashmir, Ladakh, Gilgit, Baltistan and Muzaffarabad.
- ◆ Dry weather is likely over rest parts of the country.

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### Weather Warning during next 5 days \*

**14 Oct (Day 1): ♦ Heavy rainfall** at isolated places very likely over Coastal Andhra Pradesh & Yanam, Telangana, Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Chhattisgarh, Jharkhand, Gangetic West Bengal, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

**15 Oct (Day 2): ♦ Heavy rainfall** at isolated places likely over Andaman & Nicobar Islands, Telangana, South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Chhattisgarh, Jharkhand, Andaman & Nicobar Islands, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

**16 Oct (Day 3): ♦ Heavy rainfall** at isolated places likely over Andaman & Nicobar Islands, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Chhattisgarh, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

**17 Oct (Day 4): ♦ Heavy rainfall** at isolated places likely over Andaman & Nicobar Islands, Coastal & South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Chhattisgarh, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

**18 Oct (Day 5): ♦ Heavy rainfall** at isolated places likely over Andaman & Nicobar Islands, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Chhattisgarh, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, South Interior Karnataka, Madhya Maharashtra, Marathwada, Vidarbha and Coastal Andhra Pradesh & Yanam.

**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)**  
**14-October-2022**

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

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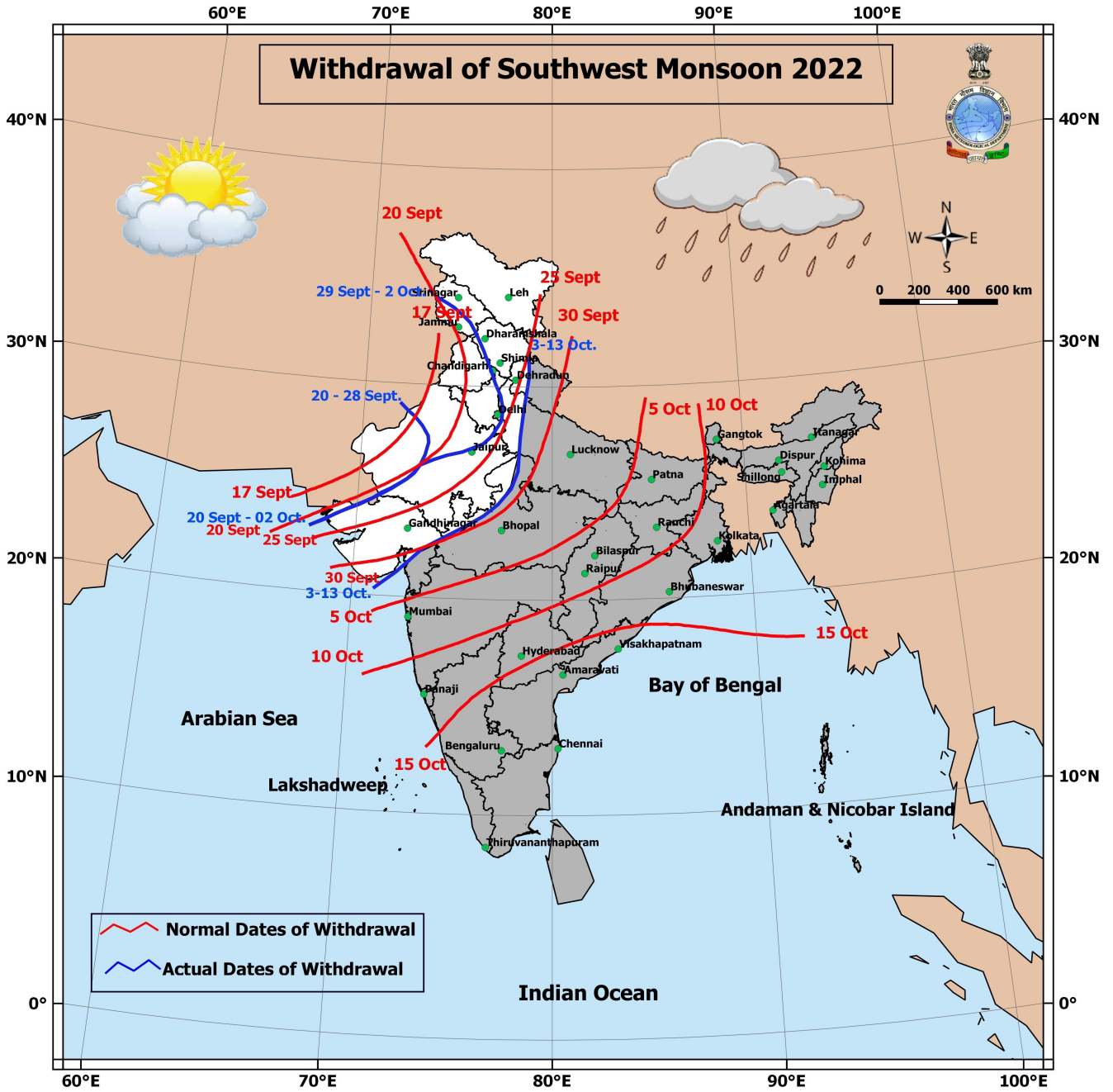
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(Created by the National Press 4070)



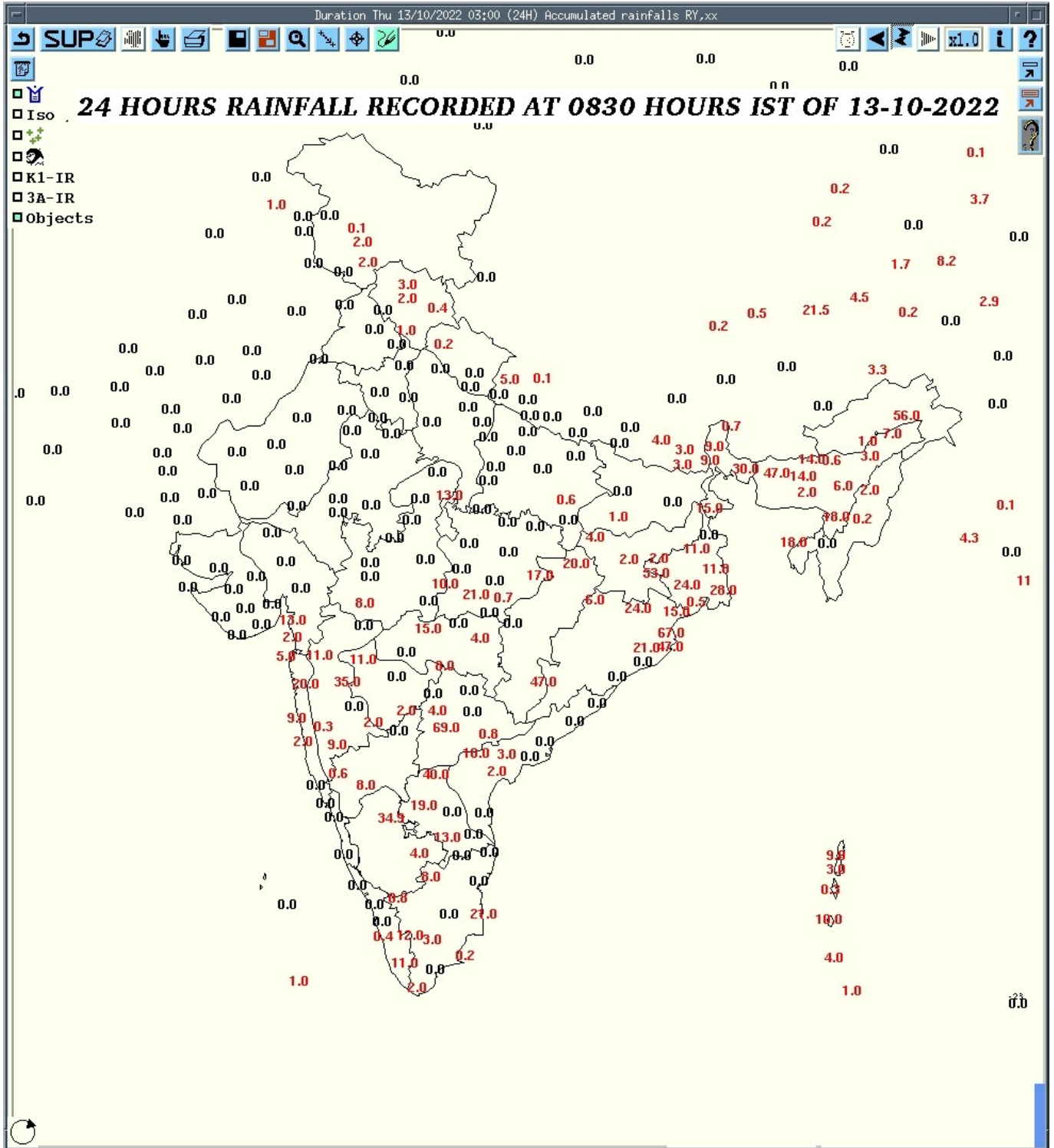
Fig.1 Withdrawal of Southwest Monsoon 2022



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Fig. 2: Accumulated Rainfall (mm) during past 24 hours



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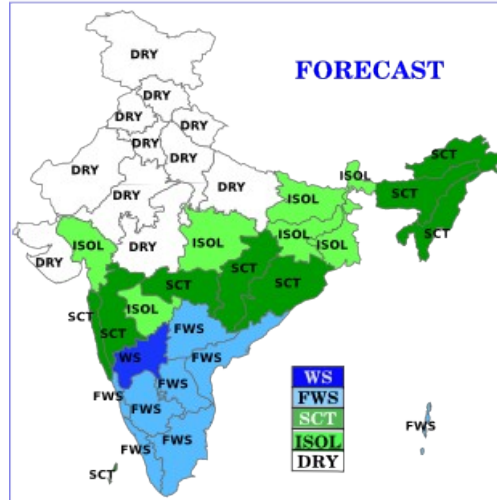








## Friday 14 October 2022



**14 Oct (Day 1): ♦ Heavy rainfall** at isolated places very likely over Coastal Andhra Pradesh & Yanam, Telangana, Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

**♦ Thunderstorm accompanied with lightning** at isolated places very likely over Chhattisgarh, Jharkhand, Gangetic West Bengal, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

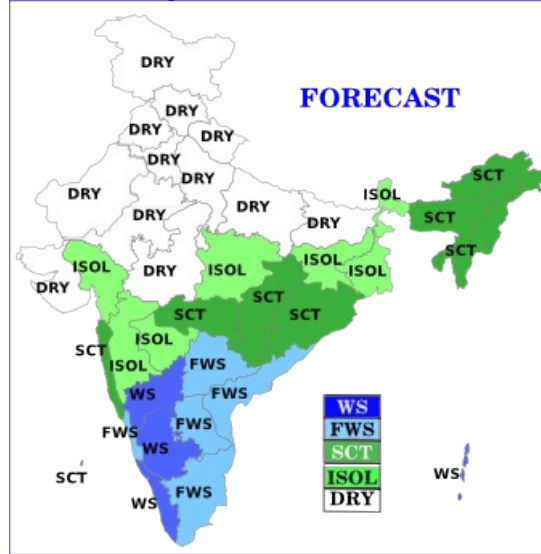
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## Saturday 15 October 2022



15 Oct (Day 2): ♦ **Heavy rainfall** at isolated places likely over Andaman & Nicobar Islands, Telangana, South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Chhattisgarh, Jharkhand, Andaman & Nicobar Islands, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

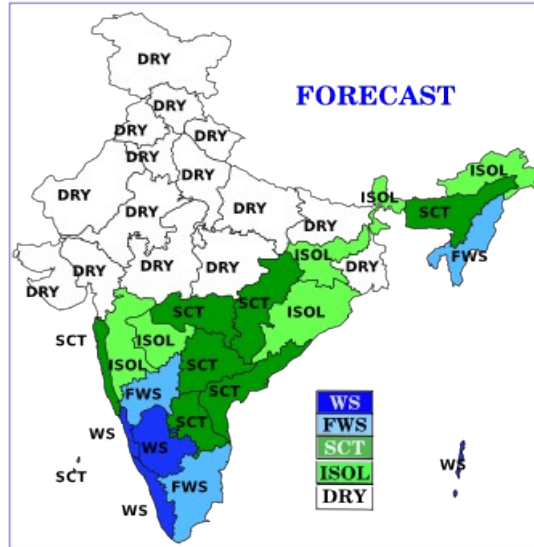
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## Sunday 16 October 2022



**16 Oct (Day 3):** ♦ **Heavy rainfall** at isolated places likely over Andaman & Nicobar Islands, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Chhattisgarh, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

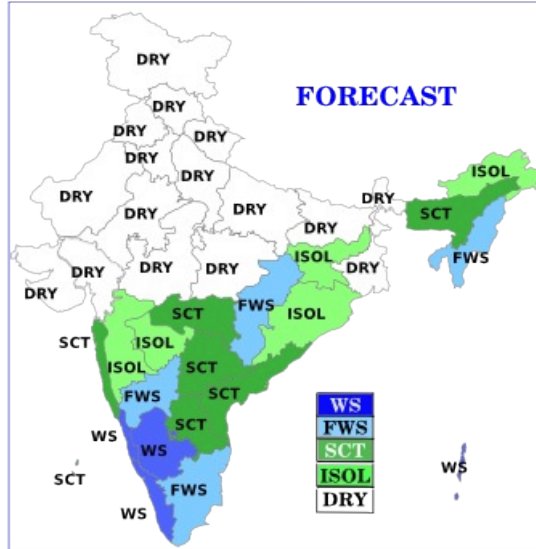
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## Monday 17 October 2022



17 Oct (Day 4): ♦ Heavy rainfall at isolated places likely over Andaman & Nicobar Islands, Coastal & South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ Thunderstorm accompanied with lightning at isolated places likely over Chhattisgarh, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

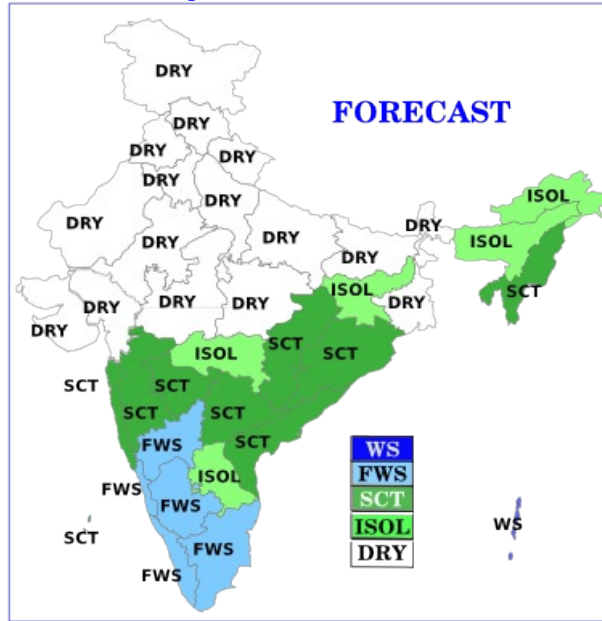
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## Tuesday 18 October 2022



**18 Oct (Day 5): ♦ Heavy rainfall** at isolated places likely over Andaman & Nicobar Islands, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Chhattisgarh, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, South Interior Karnataka, Madhya Maharashtra, Marathwada, Vidarbha and Coastal Andhra Pradesh & Yanam.

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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

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

## Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75



Heavy Rain



Heavy Snow



Thunderstorm



Dust Storm



Strong Winds



Visibility



Cyclone



Squall/ Hail



Frost



Cold Wave



Heat Wave



Sea State

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## 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  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

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  $40^{\circ}\text{C}$

Warm Night: When minimum temperature departure  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

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](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798

(Created by the Meteorology Dept)