

2025-10-01

Time of Issue: 07:58:00 hours IST
(Morning)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

West India:

Light to moderate rain/thunderstorm at most/many places with **heavy rainfall** likely over Saurashtra & Kutch on 01st-02nd October; Konkan & Goa on 03rd & 04th; ghat areas of Madhya Maharashtra & Marathawada on 04th October.

East & Central India:

Light to moderate rain/thunderstorm at most/many places with isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 02nd-05th; Gangetic West Bengal, Jharkhand during 02nd-04th; Bihar during 02nd-07th; Madhya Pradesh on 04th & 05th October; Chhattisgarh, Odisha during 01st-03rd October with **isolated very heavy rainfall over Odisha on 02nd; Gangetic West Bengal on 02nd & 03rd; Sub-Himalayan West Bengal & Sikkim on 03rd & 04th October; Bihar during 03rd-05th October.**

Thunderstorm & gusty winds (speed reaching 40-50 kmph) very likely over Andaman & Nicobar Islands during next 3 days; (speed reaching 30-40 kmph) very likely over Bihar during next 7 days; West Bengal, Jharkhand, Odisha during next 5 days.

Northeast India:

Light/moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** likely over the region during next 4-5 days with **very heavy rainfall** over Assam & Meghalaya on 03rd October.

South Peninsular India:

Light to moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** likely over Coastal Andhra Pradesh & Yanam during 01st-02nd October; Telangana during 03rd-05th and Tamil Nadu on 03rd & 04th October.

Strong surface winds (speed reaching 30-40 kmph) very likely over Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana during 01st-04th October.

Northwest India:

Light to moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** likely over East Uttar Pradesh on 04th & 05th and Jammu-Kashmir, Himachal Pradesh, Uttarakhand on 06th & 07th October.

Thunderstorm with lightning very likely at isolated places over Rajasthan, East Uttar Pradesh on 01st-02nd October and Jammu-Kashmir & Himachal Pradesh during 04th-07th; Uttarakhand during 05th-07th October; West Uttar Pradesh on 01st October.

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Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0530 hours IST of today): **at most places** over Assam & Meghalaya, Gujarat Region, Madhya Maharashtra, West Uttar Pradesh, Saurashtra & Kutch, East Madhya Pradesh, Andaman & Nicobar Islands, East Uttar Pradesh, East Rajasthan, Arunachal Pradesh, Konkan & Goa, Uttarakhand, Marathwada, North Interior Karnataka and Coastal Karnataka; **at many places** over Sub-himalayan West Bengal & Sikkim, Jharkhand, Bihar, West Rajasthan, Punjab, Nagaland, Manipur, Mizoram & Tripura, Rayalaseema, Gangetic West Bengal, Haryana Chandigarh & Delhi, Coastal Andhra Pradesh & Yanam, Chhattisgarh, Tamilnadu Puducherry & Karaikal, West Madhya Pradesh, Kerala & Mahe and South Interior Karnataka; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Assam & Meghalaya:** Dibrugarh (dist Dibrugarh) 11, Silchar (dist Cachar) 6, Tezpur (dist Sonitpur) 2; **Andaman & Nicobar Islands:** Car Nicobar (vecx) (dist Nicobar) 6, Port Blair (dist South Andaman) 4; **Gangetic West Bengal:** Diamond Harbour (dist South 24 Parganas) 5, Kolkata-alipur (dist Kolkata) 2; **East Rajasthan:** Jaipur (dist Jaipur) 5; **Haryana Chandigarh & Delhi:** New Delhi (safdarjung) (dist South West Delhi) 4, New Delhi (palam) AP (dist South West Delhi) 2; **Arunachal Pradesh:** Pasighat (dist East Siang) 4; **Coastal Andhra Pradesh & Yanam:** Tuni (dist Kakinada) 3, Kakinada (dist Kakinada) 2; **Chhattisgarh:** Raipur-lalpur (dist Raipur) 3; **East Uttar Pradesh:** Varanasi (dist Varanasi) 3, Sultanpur-obs2 (dist Sultanpur), Kanpur Airforce (dist Kanpur Nagar) 2 Each; **Konkan & Goa:** Mumbai (colaba) (dist) 2; **West Madhya Pradesh:** Gwalior (dist Gwalior) 2.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Heavy rain** at isolated places over Assam & Meghalaya.

❖ **Minimum Temperature Departures (as on 30-09-2025):** **markedly above normal(> 5.1°C)** at few places over Assam & Meghalaya; at isolated places over Sub Himalayan West Bengal & Sikkim, Bihar, East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, East Rajasthan and West Madhya Pradesh. **appreciably above normal(3.1°C to 5.0°C)** at many places over Punjab, West Rajasthan and East Madhya Pradesh; at most places over Himachal Pradesh; at few places over Nagaland, Manipur, Mizoram & Tripura; at isolated places over Gangetic West Bengal, Odisha, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad and Saurashtra & Kutch. **above normal(1.6°C to 3.0°C)** at many places over Chhattisgarh; at few places over Lakshadweep; at isolated places over Jharkhand, Gujarat Region, Vidarbha, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. **near normal(-1.5°C to 1.5°C)** at many places over Madhya Maharashtra, Marathwada and South Interior Karnataka; at most places over Andaman & Nicobar Islands, Arunachal Pradesh, Konkan & Goa, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka and Kerala & Mahe. **The lowest minimum temperature** of 14.7°C is reported at BEED (BIR) (MAHARASHTRA) over the Plains of India.

❖ **Maximum Temperature Departures (as on 30-09-2025):** **markedly above normal(> 5.1°C)** at few places over Arunachal Pradesh, Assam & Meghalaya and Himachal Pradesh; at isolated places over Sub Himalayan West Bengal & Sikkim. **appreciably above normal(3.1°C to 5.0°C)** at few places over Nagaland, Manipur, Mizoram & Tripura and Bihar; at isolated places over Gangetic West Bengal, Odisha, East Uttar Pradesh, Haryana-Chandigarh-Delhi, Punjab, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, Chhattisgarh and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at most places over Jharkhand; at few places over Lakshadweep; at isolated places over Uttarakhand, East Madhya Pradesh, Vidarbha, Coastal Andhra Pradesh & Yanam and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over Konkan & Goa and Telangana; at most places over Coastal Karnataka and South Interior Karnataka; at few places over Andaman & Nicobar Islands and Rayalaseema; at isolated places over West Uttar Pradesh, West Rajasthan, East Rajasthan, Saurashtra & Kutch, Madhya Maharashtra, Marathwada and North Interior Karnataka. **The highest maximum temperature** of 38.3°C is reported at SRIGANGANAGAR (RAJASTHAN).

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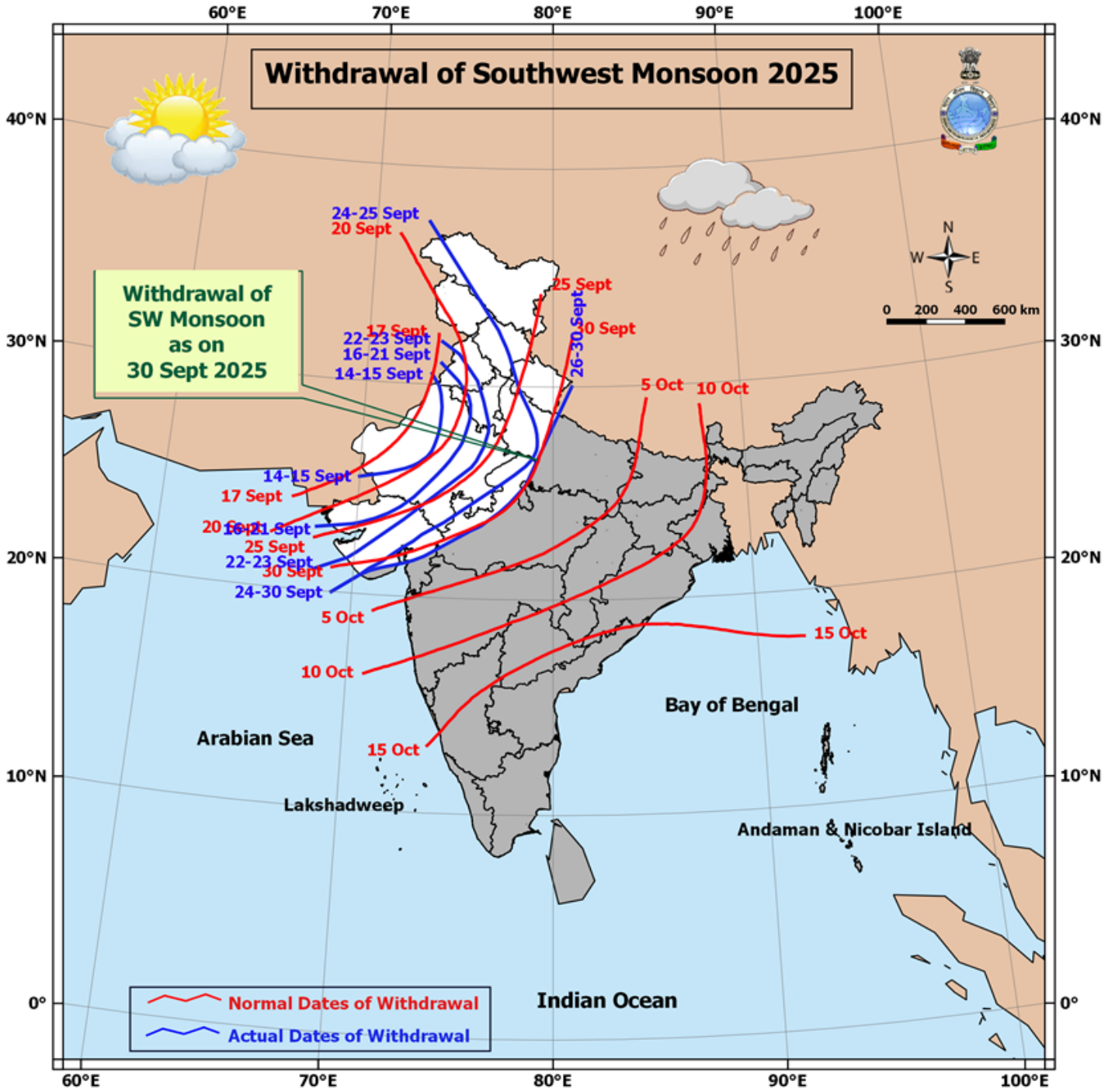
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Meteorological Analysis (Based on 0530 hours IST)

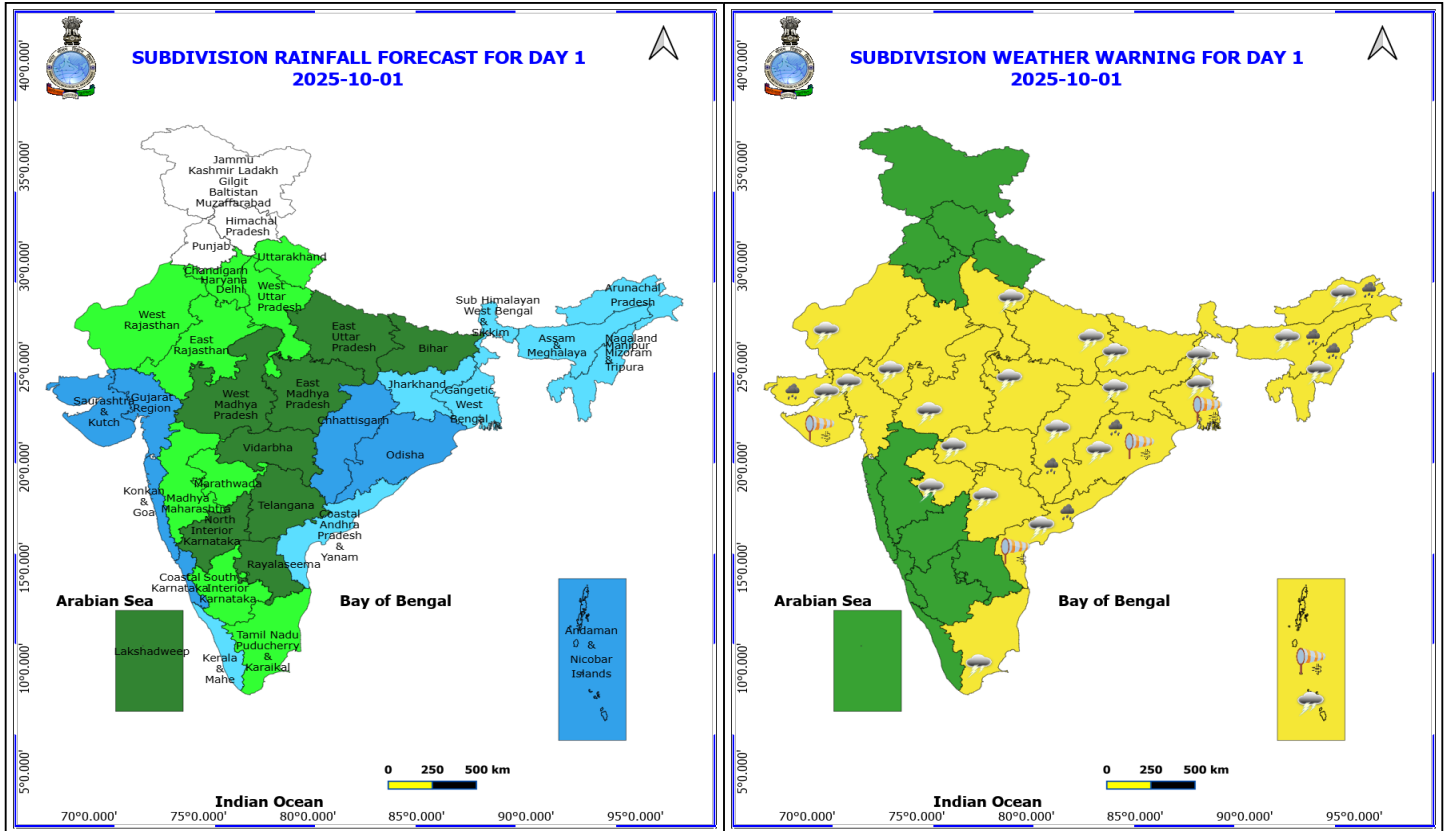
- The **line of withdrawal of southwest monsoon** continues to pass through 20°N/ 69°E, Veraval, Bharuch, Ujjain, Jhansi, Shahjahanpur and 30°N/81°E.
- The **well-marked low-pressure area** over Saurashtra coast and adjoining Gulf of Kutch & northeast Arabian Sea persisted over the same region at 0530 hours IST of today, the 01st October, 2025 and the associated cyclonic circulation now extends upto 5.8 km above mean sea level. It is likely to move nearly westwards, emerge into northeast Arabian Sea and intensify into a Depression during next 12 hours over northeast Arabian Sea. It would move west-southwestwards thereafter towards northwest Arabian Sea.
- The **low-pressure area** over westcentral Bay of Bengal lay as a **well marked low pressure area** over the same region at 0530 hrs IST of today, 01st October 2025. The associated cyclonic circulation extends upto 7.6 km above mean sea level tilting southwestwards with height. It is likely to move northwestwards and intensify into a **Depression** over westcentral and adjoining northwest Bay of Bengal by morning of 2nd October and cross south Odisha-North Andhra Pradesh coasts around morning hours of 3rd October.
- An upper air **cyclonic circulation** lay over central Assam at 0.9 km above mean sea level.
- An upper air **cyclonic circulation** lay over northeast Assam at 3.1 km above mean sea level.
- An upper air **cyclonic circulation** lay over northeast Rajasthan at 1.5 km above mean sea level.
- A fresh **Western Disturbance** likely to affect northwest India from 04th October 2025.
- The **trough** from the **cyclonic circulation** associated with **well-marked low-pressure area** over Gulf of Kutch and neighbourhood to Southeast Uttar Pradesh across central parts of Madhya Pradesh at 1.5 km above mean sea level has become less marked.
- The **trough** from **cyclonic circulation** associated with **well-marked low-pressure area** over Gulf of Kutch and neighbourhood to northwest Rajasthan at 0.9 km above mean sea level has become less marked.

Weather Outlook for subsequent 3 days

isolated to scattered rainfall activity likely over many parts of the country except Gengatic Plains, East Rajasthan, Madhya Pradesh, West & Central India where fairly widespread rainfall activity is likely.



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1 October (Day 1)

- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Coastal Andhra Pradesh, Nagaland, Manipur, Mizoram and Tripura, Odisha and Saurashtra & Kutch.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands and Odisha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, East Uttar Pradesh, Jharkhand, Telangana and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Coastal Andhra Pradesh, Gujarat State, Madhya Pradesh, Marathwada, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Tamil Nadu Puducherry & Karaikal, Vidarbha and West Uttar Pradesh.
- ❖ **Strong Surface Winds** very likely at isolated places over Andaman & Nicobar Islands, Coastal Andhra Pradesh, Gangetic West Bengal, Odisha and Saurashtra & Kutch.

Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to along and off Somalia coast and adjoining areas.

Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail along and off Gujarat coast, many parts of northeast & adjoining eastcentral Arabian Sea, over Gulf of Mannar & adjoining Comorin area, over most parts of Bay of Bengal, along and off Sri Lanka coast, Andhra Pradesh, Odisha, West Bengal, Bangladesh, Myanmar coasts, off Tamil Nadu coast, over Andaman Sea.

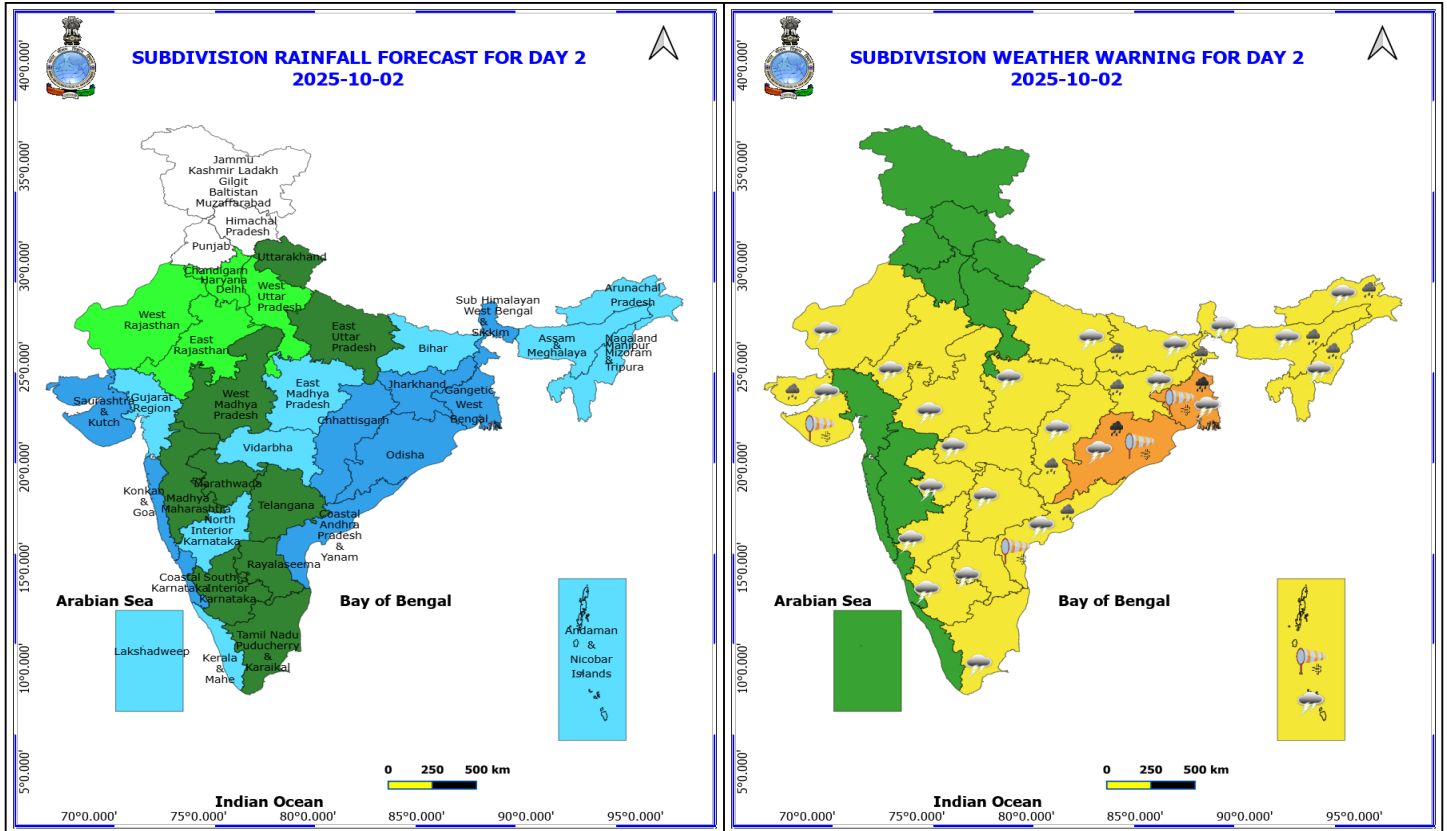
Squally weather with wind speed reaching 45 - 55 kmph gusting to 65 kmph likely to prevail over many parts of central and adjoining north Bay of Bengal.

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2 October (Day 2)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Gangetic West Bengal and Odisha.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, Coastal Andhra Pradesh, Jharkhand, Nagaland, Manipur, Mizoram and Tripura, Saurashtra & Kutch and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Gangetic West Bengal and Odisha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Interior Karnataka, Jharkhand, Sub Himalayan West Bengal & Sikkim and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, East Uttar Pradesh, Madhya Pradesh, Marathwada, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Saurashtra & Kutch, Tamil Nadu Puducherry & Karaikal and Vidarbha.
- ❖ **Strong Surface Winds** very likely at isolated places over Andaman & Nicobar Islands, Coastal Andhra Pradesh, Gangetic West Bengal, Odisha and Saurashtra & Kutch.

Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to along and off Somalia coast and adjoining areas.

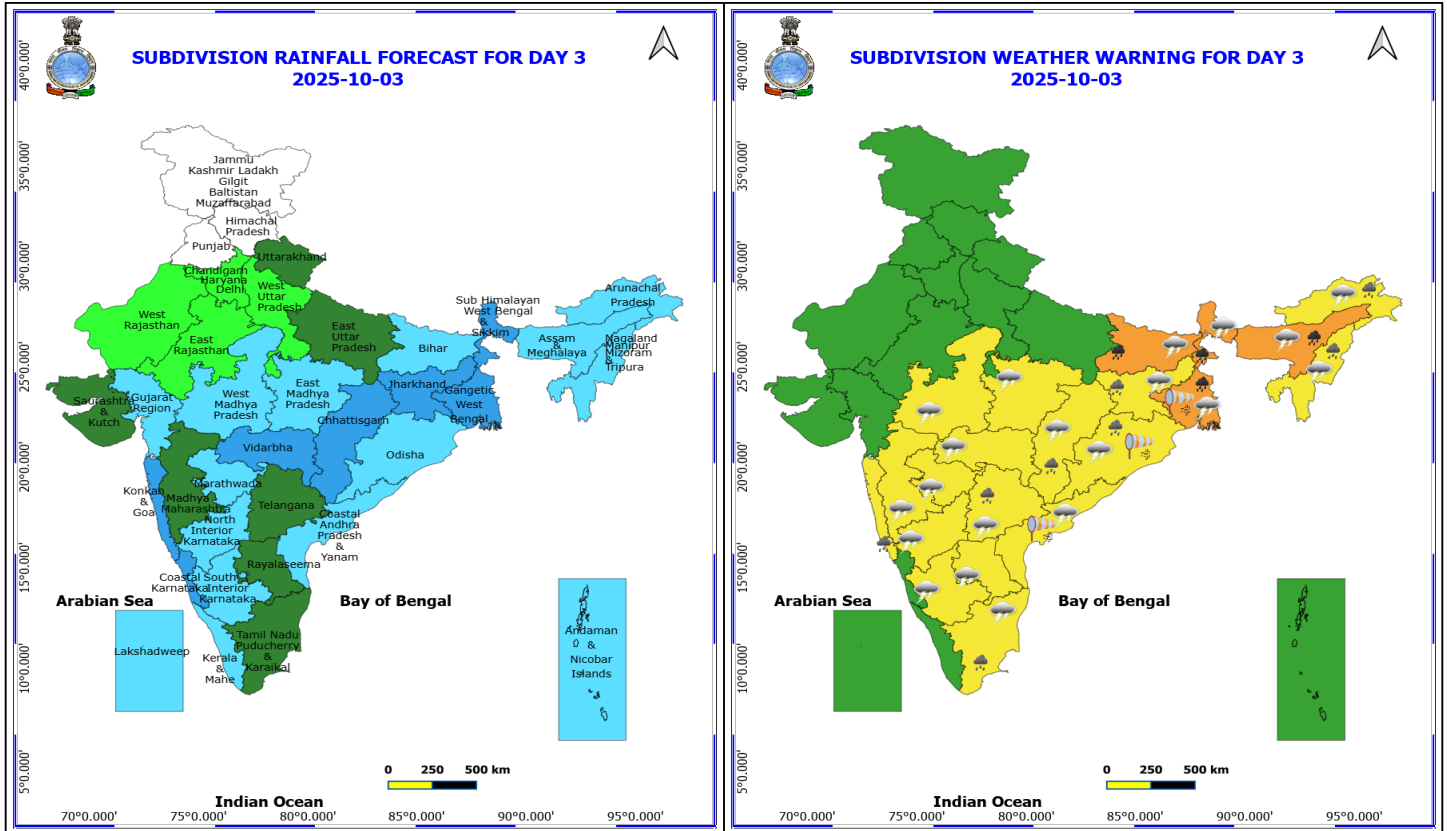
Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail along and off Gujarat coast, many parts of northeast adjoining eastcentral Arabian Sea, over Gulf of Mannar & adjoining Comorin area, over entire central and adjoining south Bay of Bengal & north Bay of Bengal, along and off Andhra Pradesh, Odisha, West Bengal, Bangladesh, Myanmar coasts over Andaman Sea.

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Squally weather with wind speed reaching 45 - 55 kmph gusting to 65 kmph likely to prevail over many parts of central and northeast Bay of Bengal.



3 October (Day 3)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Bihar and West Bengal & Sikkim.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Chhattisgarh, Jharkhand, Konkan & Goa, Nagaland, Manipur, Mizoram and Tripura, Odisha, Tamil Nadu Puducherry & Karaikal and Telangana.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Gangetic West Bengal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Interior Karnataka, Jharkhand, Odisha, Sub Himalayan West Bengal & Sikkim and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Madhya Pradesh, Maharashtra, Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.
- ❖ **Strong Surface Winds** very likely at isolated places over Coastal Andhra Pradesh, Gangetic West Bengal and Odisha.

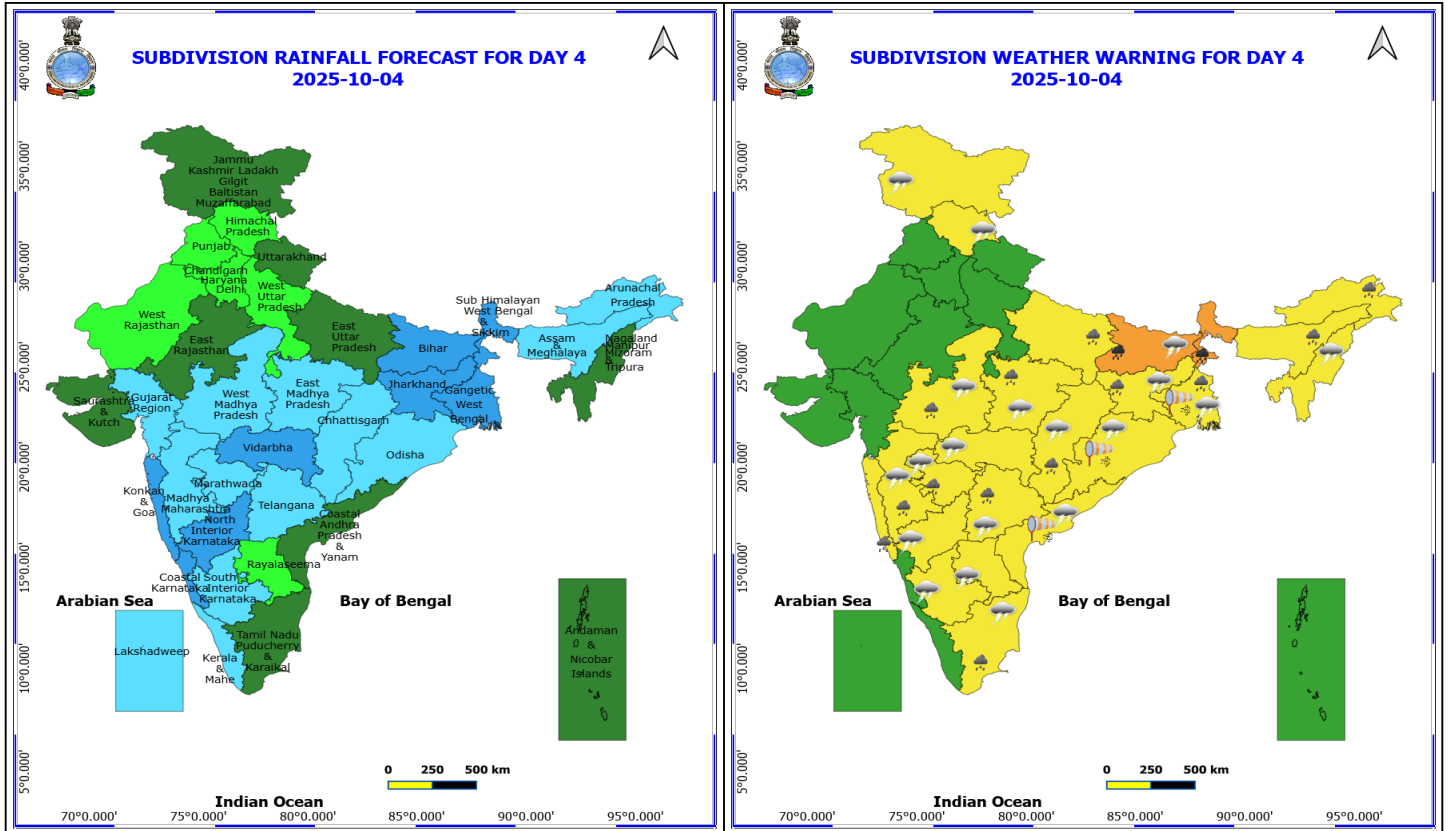
Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to along and off Somalia coast and adjoining areas.

Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail along and off Gujarat coast, many parts of northeast adjoining eastcentral Arabian Sea, over Gulf of Mannar & adjoining Comorin area, over entire central and adjoining south Bay of Bengal & north Bay of Bengal, along and off Andhra Pradesh, Odisha, West Bengal, Bangladesh, Myanmar coasts.

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Squally weather with wind speed reaching 45 - 55 kmph gusting to 65 kmph likely to prevail over many parts of central and northeast Bay of Bengal.



4 October (Day 4)

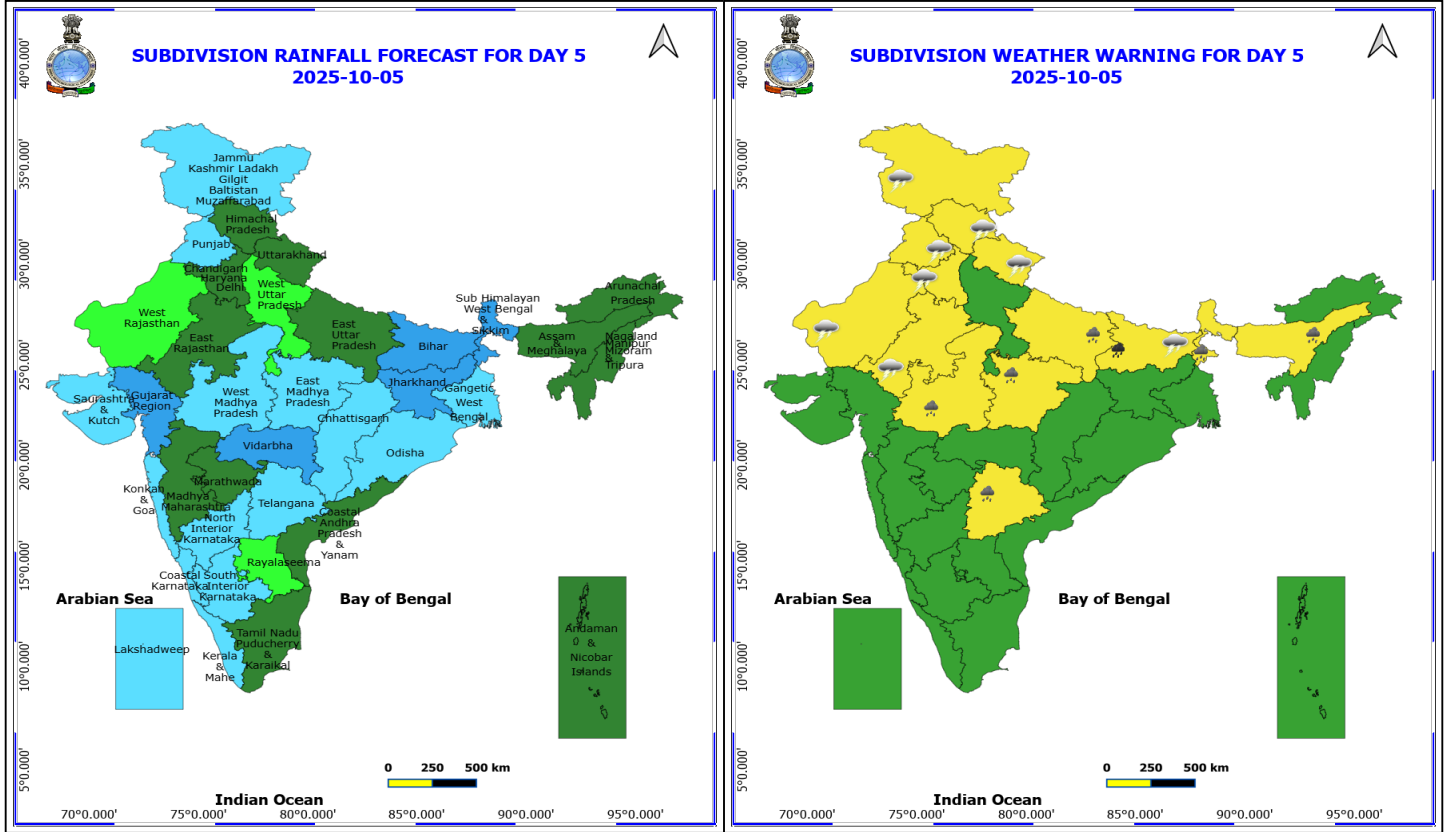
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Bihar and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, East Uttar Pradesh, Gangetic West Bengal, Jharkhand, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, Marathwada, Tamil Nadu Puducherry & Karaikal and Telangana.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Gangetic West Bengal, Himachal Pradesh, Interior Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Odisha and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andhra Pradesh, Chhattisgarh, Madhya Pradesh, Maharashtra, Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.
- ❖ **Strong Surface Winds** likely at isolated places over Coastal Andhra Pradesh, Gangetic West Bengal and Odisha.

Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to along and off Somalia coast and adjoining areas.

Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail along and off north and adjoining south Gujarat coast and adjoining sea areas, over many parts of westcentral & most parts of north Bay of Bengal, along and off north Andhra Pradesh, Odisha, West Bengal, Bangladesh Myanmar coasts.

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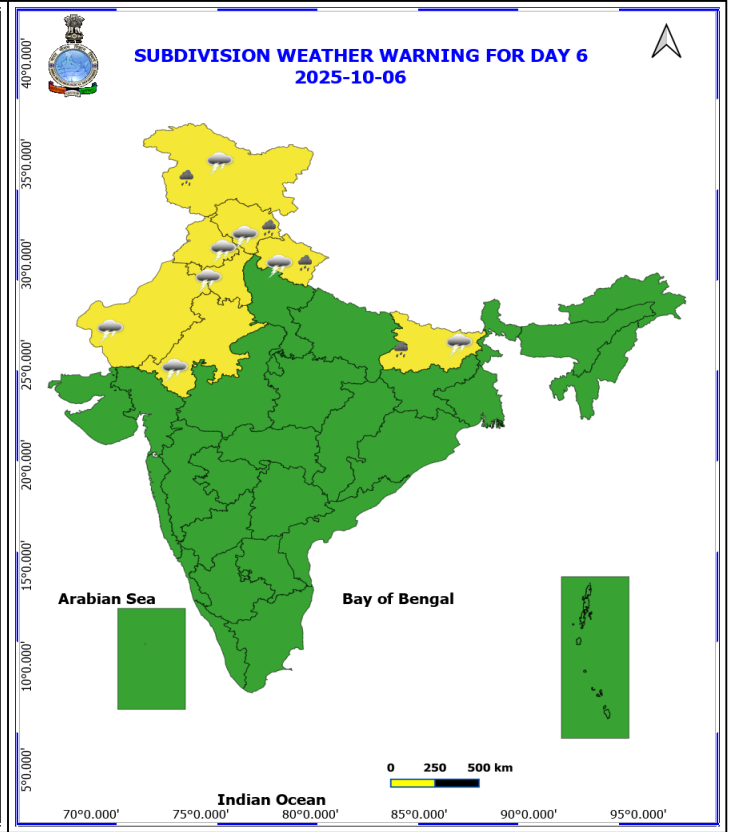
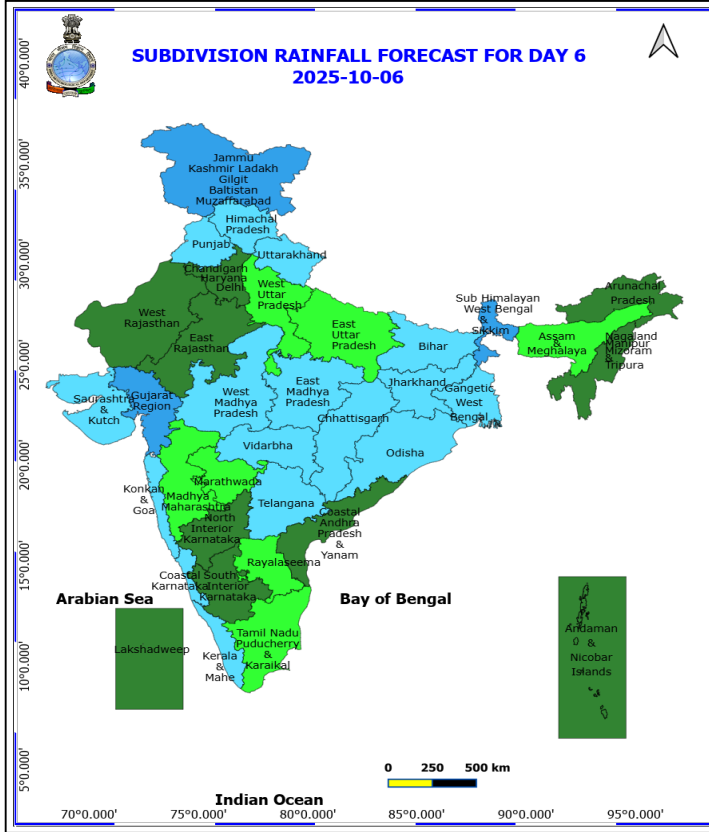


5 October (Day 5)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Bihar.
- ❖ **Heavy Rainfall** likely at isolated places over Assam & Meghalaya, East Uttar Pradesh, Madhya Pradesh, Sub Himalayan West Bengal & Sikkim and Telangana.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Himachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Haryana, Chandigarh & Delhi, Punjab, Rajasthan and Uttarakhand.

No Fishermen Warning

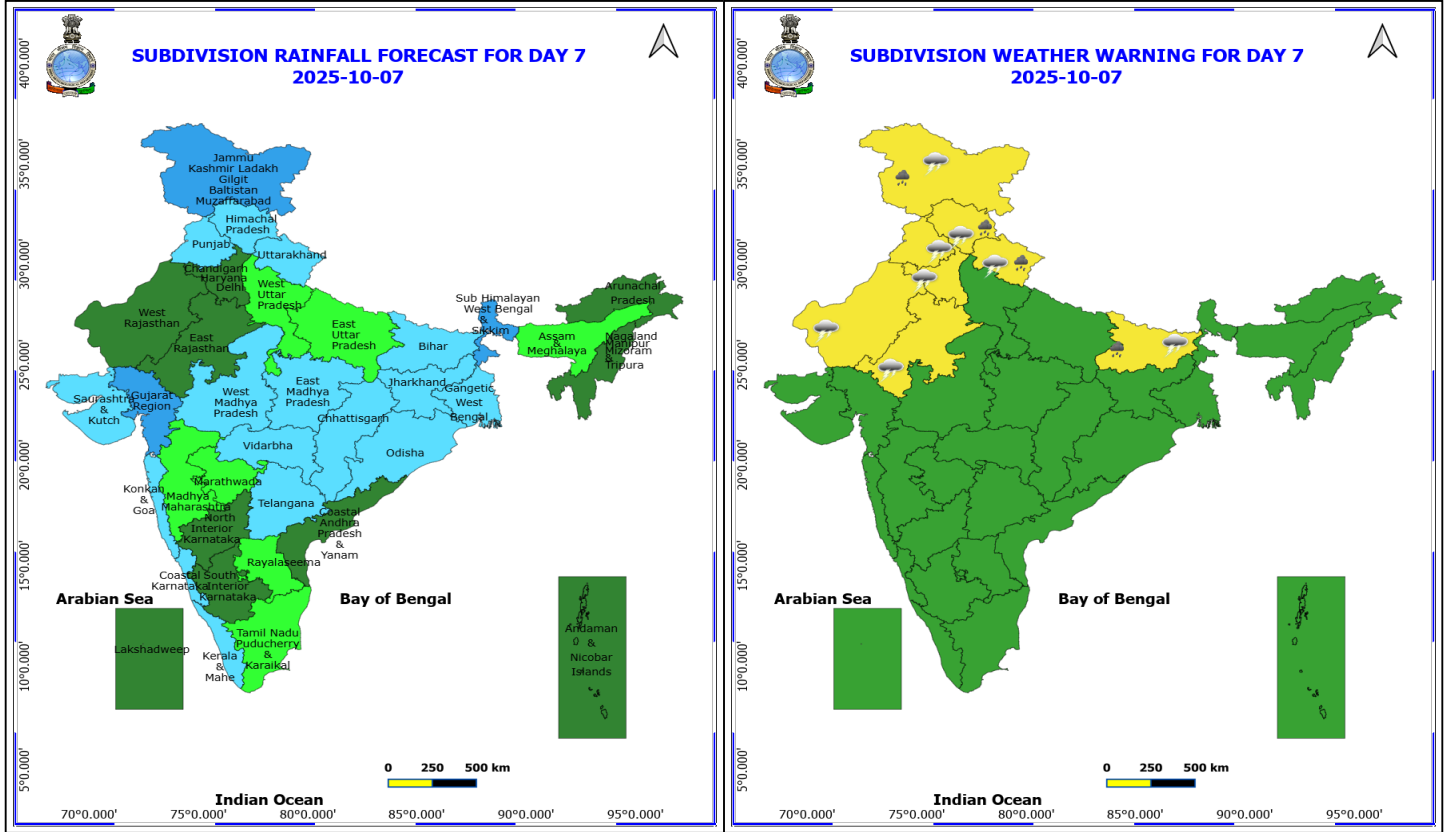
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6 October (Day 6)

- ❖ **Heavy Rainfall** likely at isolated places over Bihar, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Himachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Haryana, Chandigarh & Delhi, Punjab, Rajasthan and Uttarakhand.

No Fishermen Warning



7 October (Day 7)

- ❖ **Heavy Rainfall** likely at isolated places over Bihar, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Himachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Haryana, Chandigarh & Delhi, Punjab, Rajasthan and Uttarakhand.

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Table-1

7 Days Rainfall Forecast

S.No.	Subdivision	1- Oct	2- Oct	3- Oct	4- Oct	5- Oct	6- Oct	7- Oct
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WS	FWS	FWS	SCT	SCT	SCT	SCT
2	ARUNACHAL PRADESH	FWS	FWS	FWS	FWS	SCT	SCT	SCT
3	ASSAM & MEHGHALAYA	FWS	FWS	FWS	FWS	SCT	ISOL	ISOL
4	N. M. M. & T.	FWS	FWS	FWS	SCT	SCT	SCT	SCT
5	S.H. WEST BENGAL & SIKKIM	FWS	WS	WS	WS	WS	WS	WS
6	GANGETIC WEST BENGAL	FWS	WS	WS	WS	FWS	FWS	FWS
7	ODISHA	WS	WS	FWS	FWS	FWS	FWS	FWS
8	JHARKHAND	FWS	WS	WS	WS	WS	FWS	FWS
9	BIHAR	SCT	FWS	FWS	WS	WS	FWS	FWS
10	EAST UTTAR PRADESH	SCT	SCT	SCT	SCT	SCT	ISOL	ISOL
11	WEST UTTAR PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
12	UTTARAKHAND	ISOL	SCT	SCT	SCT	SCT	FWS	FWS
13	HARYANA, CHD & DELHI	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
14	PUNJAB	DRY	DRY	DRY	ISOL	FWS	FWS	FWS
15	HIMACHAL PRADESH	DRY	DRY	DRY	ISOL	SCT	FWS	FWS
16	JAMMU AND KASHMIR AND LADAKH	DRY	DRY	DRY	SCT	FWS	WS	WS
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	SCT
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
19	WEST MADHYA PRADESH	SCT	SCT	FWS	FWS	FWS	FWS	FWS
20	EAST MADHYA PRADESH	SCT	FWS	FWS	FWS	FWS	FWS	FWS
21	GUJRAT REGION	WS	FWS	FWS	FWS	WS	WS	WS
22	SAURASHTRA & KUTCH	WS	WS	SCT	SCT	FWS	FWS	FWS
23	KONKAN & GOA	WS	WS	WS	WS	FWS	FWS	FWS
24	MADHYA MAHARASHTRA	ISOL	SCT	SCT	FWS	SCT	ISOL	ISOL
25	MARATHWADA	ISOL	SCT	FWS	FWS	SCT	ISOL	ISOL
26	VIDARBHA	SCT	FWS	WS	WS	WS	FWS	FWS
27	CHATTISGARH	WS	WS	WS	FWS	FWS	FWS	FWS
28	COASTAL ANDHRA PRADESH	FWS	WS	FWS	SCT	SCT	SCT	SCT
29	TELANGANA	SCT	SCT	SCT	FWS	FWS	FWS	FWS
30	RAYALASEEMA	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	SCT	SCT	SCT	SCT	ISOL	ISOL
32	COSTAL KARNATAKA	WS	WS	WS	WS	FWS	FWS	FWS
33	NORTH INTERIOR KARNATAKA	SCT	FWS	FWS	WS	FWS	SCT	SCT
34	SOUTH INTERIOR KARNATAKA	ISOL	SCT	FWS	FWS	FWS	SCT	SCT
35	KERALA	FWS	FWS	FWS	FWS	FWS	FWS	FWS
36	LAKSHDWEEP	SCT	FWS	FWS	FWS	FWS	SCT	SCT

Legend	Category	%Stations
WS	Widespread/Most Places	76-100
FWS	Fairly Widespread/Many Places	51-75
SCT	Scattered/ A Few Places	26-50
ISOL	Isolated Places	1-25
DRY	No Rain	0

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Fig. 1: Maximum Temperatures Dated 2025-09-30

Fig. 2: Departure of Maximum Temp. Dated 2025-09-30

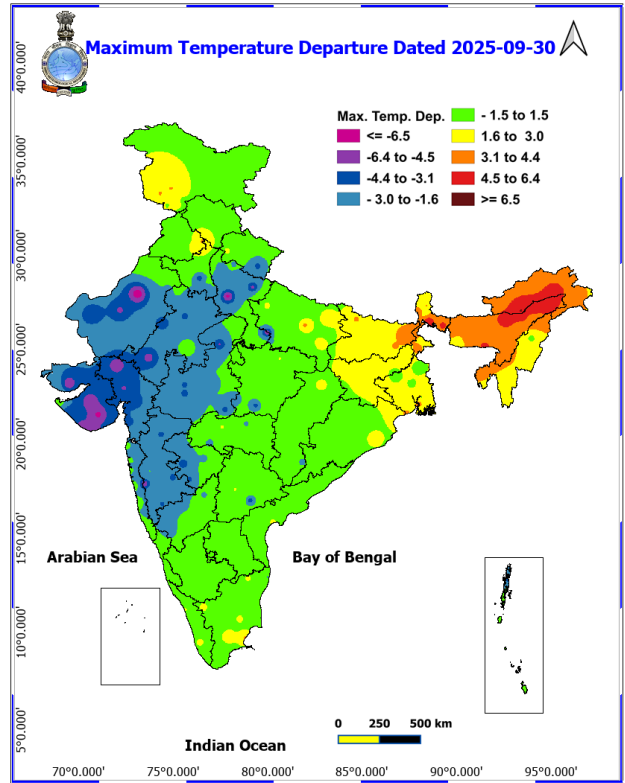
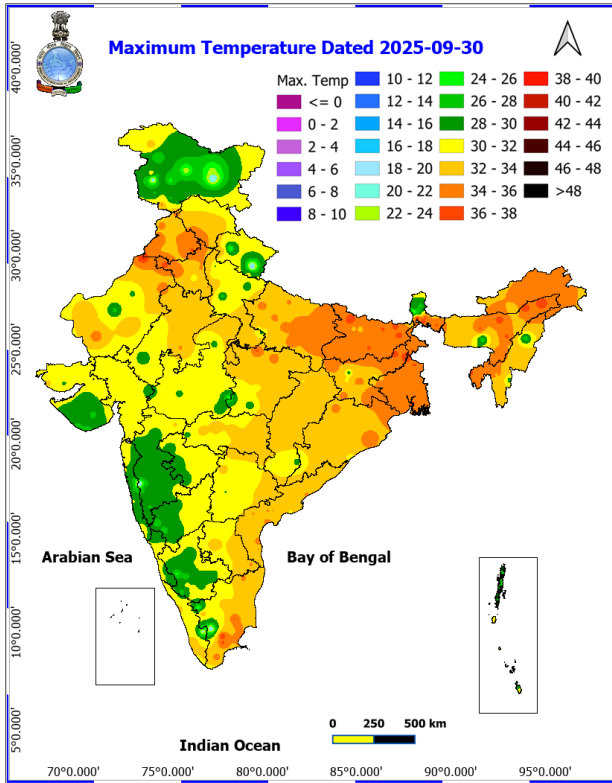
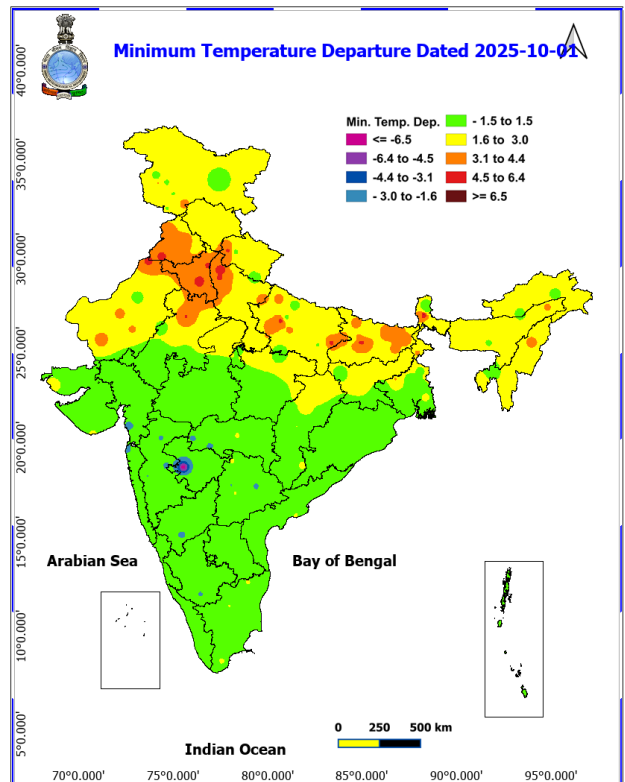
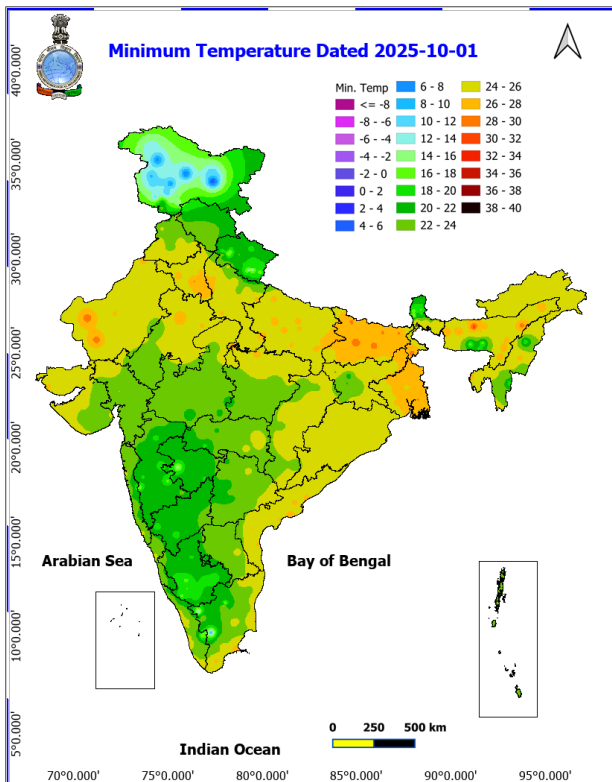
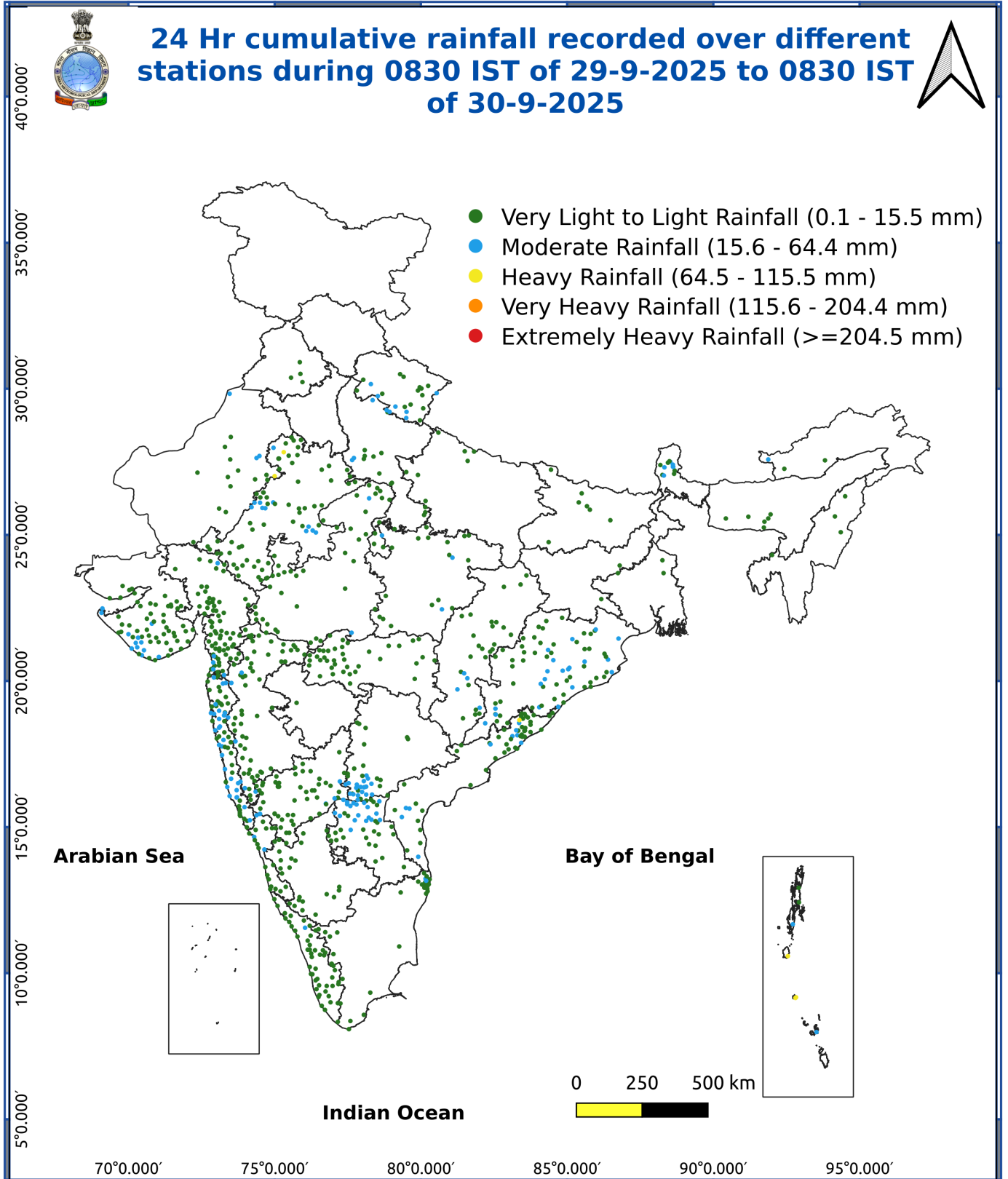


Fig. 3: Minimum Temperatures Dated 2025-09-30

Fig. 4: Departure of Minimum Temp. Dated 2025-09-30





Impact & Action Suggested due to

Very heavy rainfall (12-20 cm) at isolated places over Odisha on 02nd; Gangetic West Bengal on 02nd & 03rd; Sub-Himalayan West Bengal & Sikkim on 03rd & 04th; Bihar during 03rd-05th and Assam & Meghalaya on 03rd October.

Impact Expected

- Water logging/ flooding in many parts of low lying area and river banks
- Localized and short term disruption to municipal services (water, electricity, etc.)
- Major disruption of traffic flow. Major roads/local trains affected.
- Possibility of danger to very old buildings and unmaintained structures, falling of trees etc
- Closure of roads crossing low water bridges.

Action Suggested

- Traffic may be regulated effectively
- People in the affected area may restrict their movement

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Heavy / Heavy to Very Heavy Rainfall

In **Sub-Himalayan West Bengal**, undertake harvesting of matured cardamom crop and shift the produce to properly covered shelter to avoid losses. Make necessary arrangements to drain out excess water from the fields of Rice, finger millet, green gram, ginger and vegetables. In **Gangetic West Bengal**, make necessary arrangements to drain out excess water from the fields of rice, betel vine gardens and vegetables.

In **Odisha**, make provision to drain out excess water from fields of rice, finger millet, maize, pulses, groundnut, cotton, sesame, vegetables and fruit orchards. Make arrangement for covering vegetables nurseries like chilli, okra and brinjal with plastic cover or polythene sheet.

In **Bihar**, make necessary arrangements to drain out excess water from the fields of rice, maize and vegetables.

In **Arunachal Pradesh**, keep the harvested produce of rice, maize, vegetables, finger millet and matured bunches of banana to properly covered shelter to avoid losses.

In **Saurashtra & Kutch**, make necessary arrangements to drain out excess water from fields of cotton, pigeon pea, groundnut, black gram, green gram, castor, pearl millet, soybean, sesame and vegetables. Keep the harvested produce of crops such as groundnut, sesame, maize, pearl millet, soybean etc. at safer places.

Livestock / Fishery

Keep the animals inside the shed during heavy rainfall and provide them balanced feed.

Store feed and fodder in a safe place to prevent spoilage.

Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds / Squally Winds

Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

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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 एवं सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिसा
- 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 चन्नम
- 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)

Subdivision Colour

- NO WARNING
- WATCH (BE UPDATED)
- ALERT (BE PREPARED TO TAKE ACTION)
- WARNING (TAKE ACTION)

Probabilistic Forecast

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

- | | | | |
|--------------------------|-----------------|----------------------|--------------------|
| Heavy Rain | Very Heavy Rain | Extremely Heavy Rain | Heavy Snow |
| Thunderstorm & Lightning | Hailstorm | Dust Storm | Dust Raising Winds |
| Strong surface winds | Heat Wave | Hot Day | Warm Night |
| Cold Wave | Cold Day | Ground Frost | Fog |
| Hot & Humid | | | |

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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



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



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 $\geq 37^{\circ}\text{C}$



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 $> 6.4^{\circ}\text{C}$.



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 $\leq -6.5^{\circ}\text{C}$

(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 $\leq -4.5^{\circ}\text{C}$ & actual Minimum Temperature is $\leq 15^{\circ}\text{C}$



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 $\leq -6.5^{\circ}\text{C}$



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



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



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



Ice deposits on ground

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



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



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



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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