

2025-09-30

Time of Issue: 06:57:00 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 Konkan & Goa, Madhya Maharashtra during next 6 days (except on 30th September); Saurashtra & Kutch during 30th September-02nd October with **very heavy rainfall over Saurashtra & Kutch on 30th September.**

East & Central India:

- Light to moderate rain/thunderstorm at most/many places with isolated **heavy rainfall** likely over Andaman & Nicobar Islands on 30th September; West Bengal & Sikkim during 02nd -04th October; Bihar during 01st -04th October; Jharkhand during 02nd-04th; West Madhya Pradesh on 05th October; East Madhya Pradesh, Vidarbha on 04th & 05th October; Chhattisgarh, Odisha during 30th September-03rd October with **isolated very heavy rainfall over Gangetic West Bengal on 02nd October; Sub-Himalayan West Bengal & Sikkim on 03rd & 04th October; Bihar on 04th & 05th October.**
- Thunderstorm & gusty winds (speed reaching 40-50 kmph) very likely over Andaman & Nicobar Islands during next 5 days.
- Thunderstorm & gusty winds (speed reaching 30-40 kmph) very likely over Bihar during next 7 days; West Bengal, Jharkhand, Odisha during next 5 days; Andaman & Nicobar Islands during 30th September-02nd October.

Northeast India:

- Light/moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** likely over Assam & Meghalaya during 30th September-05th October; Nagaland, Manipur, Mizoram & Tripura during 30th September-02nd October; Arunachal Pradesh during 01st-05th October with **very heavy rainfall over Assam & Meghalaya on 02nd & 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 30th September-02nd October.
- Strong surface winds (speed reaching 30-40 kmph) very likely over Kerala & Mahe, Lakshadweep on 30th September; Tamil Nadu, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana during 30th September-03rd October.

Northwest India:

- Thunderstorm with lightning very likely at isolated places over Rajasthan during 30th September-03rd October and Jammu-Kashmir & Himachal Pradesh on 04th & 05th 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 Coastal Karnataka, Andaman & Nicobar Islands, Madhya Maharashtra, Saurashtra & Kutch, Uttarakhand and Konkan & Goa; **at many places** over Nagaland, Manipur, Mizoram & Tripura, West Madhya Pradesh, Odisha, Jharkhand, East Uttar Pradesh, West Uttar Pradesh, East Madhya Pradesh, West Rajasthan, East Rajasthan, Kerala & Mahe, Vidarbha, Chhattisgarh, North Interior Karnataka, Gujarat Region, Coastal Andhra Pradesh & Yanam, Tamilnadu Puducherry & Karaikal, Assam & Meghalaya and Rayalaseema; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Andaman & nicobar islands:** Car Nicobar (vecx) (dist Nicobar) 11, Port Blair (dist South Andaman) 4; **West Madhya Pradesh:** Gwalior (dist Gwalior) 3; **Konkan & Goa:** Mumbai (colaba) (dist), Ratnagiri (dist Ratnagiri) 2 Each, Mumbai (santacruz) AP (dist) 1; **Rayalaseema:** Kurnool (dist Kurnool) 2; **Assam & Meghalaya:** Shillong (dist East Khasi Hills) 1; **Tamilnadu puducherry & Karaikal:** Chennai (nungambakkam) (dist Chennai) 1; **Coastal Andhra Pradesh & Yanam:** Visakhapatnam, Vishakhapatnam (dist Visakhapatnam) 1 Each; Gujarat region: Surat (dist Surat) 1; **Uttarakhand:** Dehra Dun-mokampur (dist Dehradun) 1; Saurashtra & kutch: Porbandar AP (dist Porbandar) 1; **Odisha:** Jharsuguda (dist Jharsuguda) 1.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Heavy rain** at a few places over Andaman & Nicobar Islands

❖ **Minimum Temperature Departures (as on 29-09-2025):** **markedly above normal(> 5.1°C)** at many places over Himachal Pradesh; at few places over Assam & Meghalaya, West Rajasthan, East Rajasthan and West Madhya Pradesh; at isolated places over Sub Himalayan West Bengal & Sikkim, Bihar, East Uttar Pradesh, West Uttar Pradesh and Punjab. **appreciably above normal(3.1°C to 5.0°C)** at few places over Uttarakhand, Haryana-Chandigarh-Delhi, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Madhya Pradesh and Gujarat Region; at isolated places over Odisha and Saurashtra & Kutch. **above normal(1.6°C to 3.0°C)** at few places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal and Tamil Nadu, Puducherry & Karaikal; at isolated places over Vidarbha, Chhattisgarh and Coastal Andhra Pradesh & Yanam. **near normal(-1.5°C to 1.5°C)** at many places over Marathwada; at most places over Andaman & Nicobar Islands, Jharkhand, Madhya Maharashtra, Telangana, Rayalaseema, Coastal Karnataka, South Interior Karnataka, Kerala & Mahe and Lakshadweep; at few places over Konkan & Goa and North Interior Karnataka. **The lowest minimum temperature** of 17.5°C was reported at JEUR (MAHARASHTRA) over the Plains of India.

❖ **Maximum Temperature Departures (as on 29-09-2025):** **markedly above normal(> 5.1°C)** at few places over Himachal Pradesh; at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim and Tamil Nadu, Puducherry & Karaikal. **appreciably above normal(3.1°C to 5.0°C)** at few places over Arunachal Pradesh, Bihar, Uttarakhand and Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad; at isolated places over Gangetic West Bengal, Jharkhand, East Uttar Pradesh, West Uttar Pradesh, Haryana-Chandigarh-Delhi, Punjab and Coastal Andhra Pradesh & Yanam. **above normal(1.6°C to 3.0°C)** at few places over Nagaland, Manipur, Mizoram & Tripura and West Rajasthan; at isolated places over Odisha, Saurashtra & Kutch and Chhattisgarh. **near normal(-1.5°C to 1.5°C)** at many places over Vidarbha, Rayalaseema, Coastal Karnataka and Kerala & Mahe; at most places over Lakshadweep; at few places over Andaman & Nicobar Islands, East Rajasthan, Konkan & Goa, Marathwada, Telangana and South Interior Karnataka; at isolated places over West Madhya Pradesh, East Madhya Pradesh, Gujarat Region and North Interior Karnataka. **The highest maximum temperature** of 39.4°C was reported at JAISALMER (RAJASTHAN).

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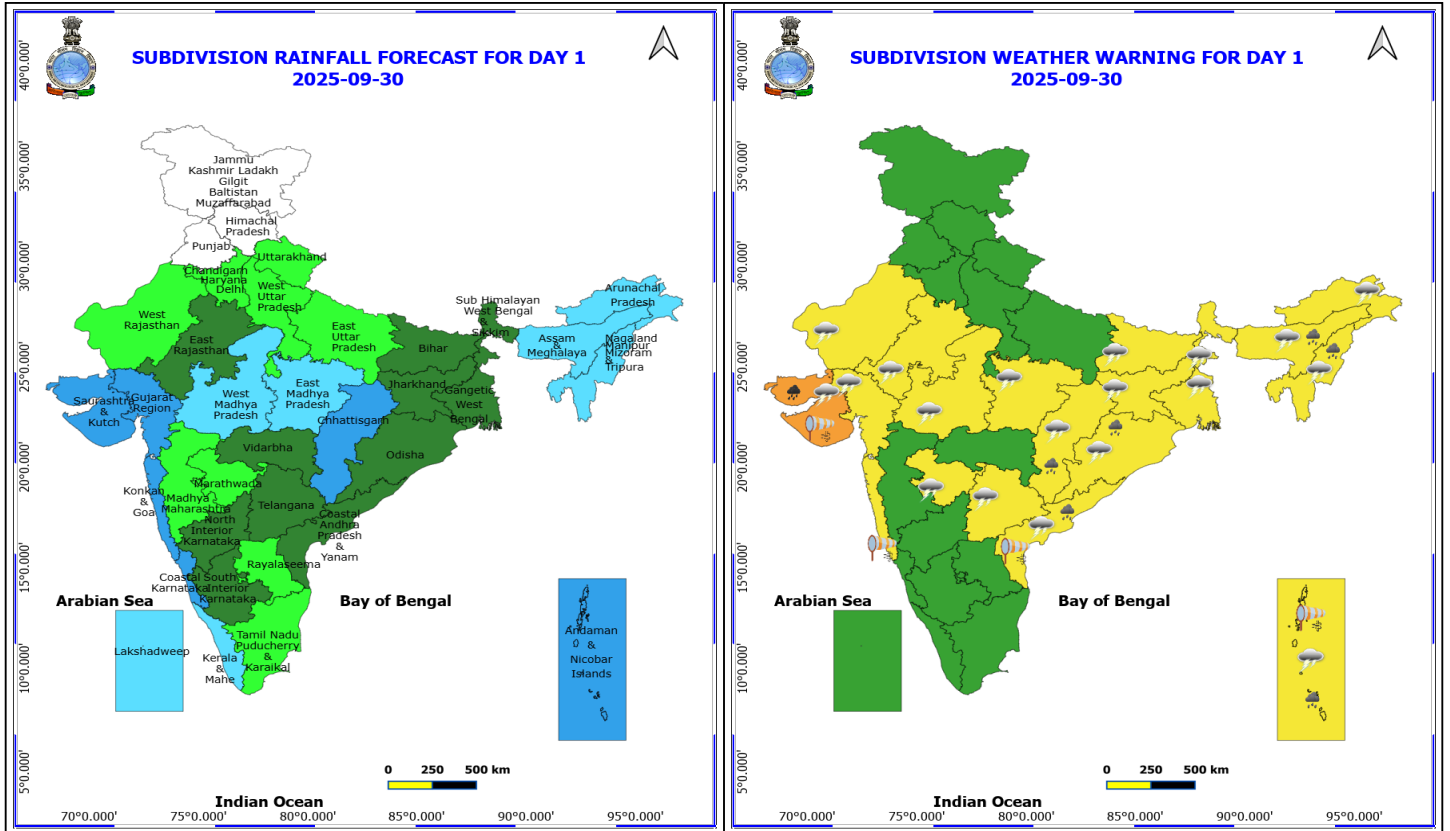
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Meteorological Analysis (Based on 0530 hours IST)

- 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 & neighbourhood moved west-northwestwards and lay over Saurashtra & adjoining Gulf of Kutch at 0530 hours IST of today, the 30th September, 2025 and the associated **cyclonic circulation** extended upto 7.6 km above mean sea level tilting southwestwards with height. It is likely to continue to move west-northwestwards across Gulf of Kutch during next 12 hrs and emerge into northeast Arabian sea off north Gujarat coast thereafter. There is a possibility of its intensification into a **depression** around the time of emergence into the northeast Arabian sea.
- The upper air **cyclonic circulation** over north coastal Andhra Pradesh and neighbourhood between 1.5 & 5.8 km above mean sea level tilting southward with height persists.
- The upper air **cyclonic circulation** over north Haryana and neighbourhood at 3.1 km above mean sea level persists.
- An upper air **cyclonic circulation** is likely to emerge into north Andaman Sea today, the 30th September, 2025. Under its influence a **low-pressure area** is likely to form over north & adjoining central Bay of Bengal around 01st October 2025.
- A fresh **Western Disturbance** likely to affect western Himalayan region from 04th October 2025.
- The **trough** from the **well-marked low pressure area** over Saurashtra & adjoining Gulf of Kutch to westcentral Bay of Bengal 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.



30 September (Day 1)

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

Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over some parts of southwest adjoining westcentral Arabian Sea, along and off Somalia coast.

Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail along and off Gujarat, Konkan, Goa, Karnataka coast, over Gulf of Mannar & adjoining Comorin area, over most parts of south Bay, central Bay of Bengal, along and off Sri Lanka coast, Andhra Pradesh, off north Tamil Nadu coasts, over Andaman Sea

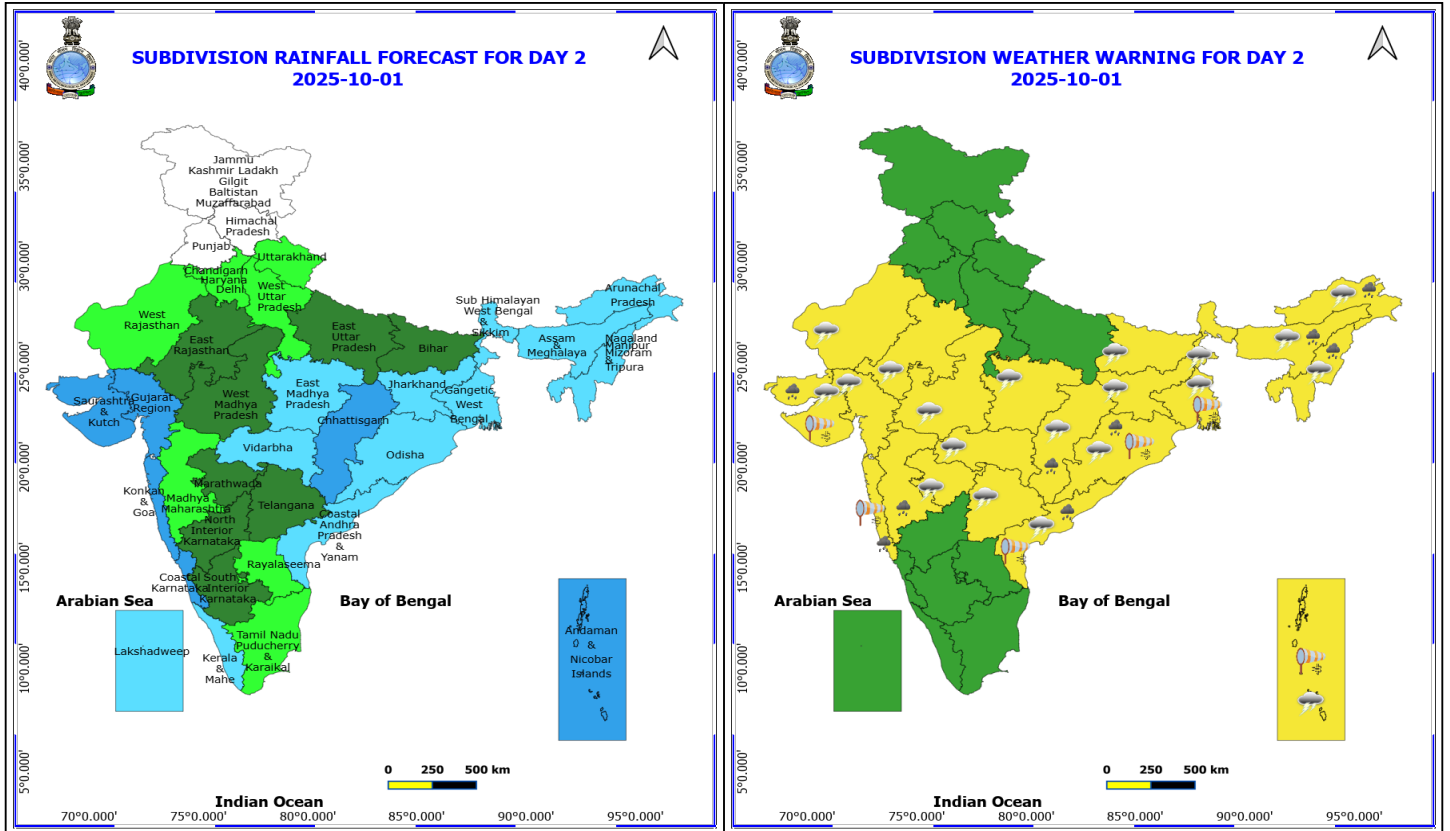
Squally weather with wind speed reaching 45 - 55 kmph gusting to 65 kmph likely to prevail along and off Gujarat and

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adjoining sea areas, north Konkan and adjoining some parts of northeast and eastcentral Arabian sea, many parts of south and central Bay of Bengal.



1 October (Day 2)

- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Coastal Andhra Pradesh, Konkan & Goa, Madhya Maharashtra, 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.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Jharkhand, Odisha, 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 and Vidarbha.
- ❖ **Strong Surface Winds** very likely at isolated places over Andaman & Nicobar Islands, Coastal Andhra Pradesh, Gangetic West Bengal, Konkan & Goa, Odisha and Saurashtra & Kutch.

Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over some parts of southwest adjoining westcentral Arabian Sea, along and off Somalia coast.

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

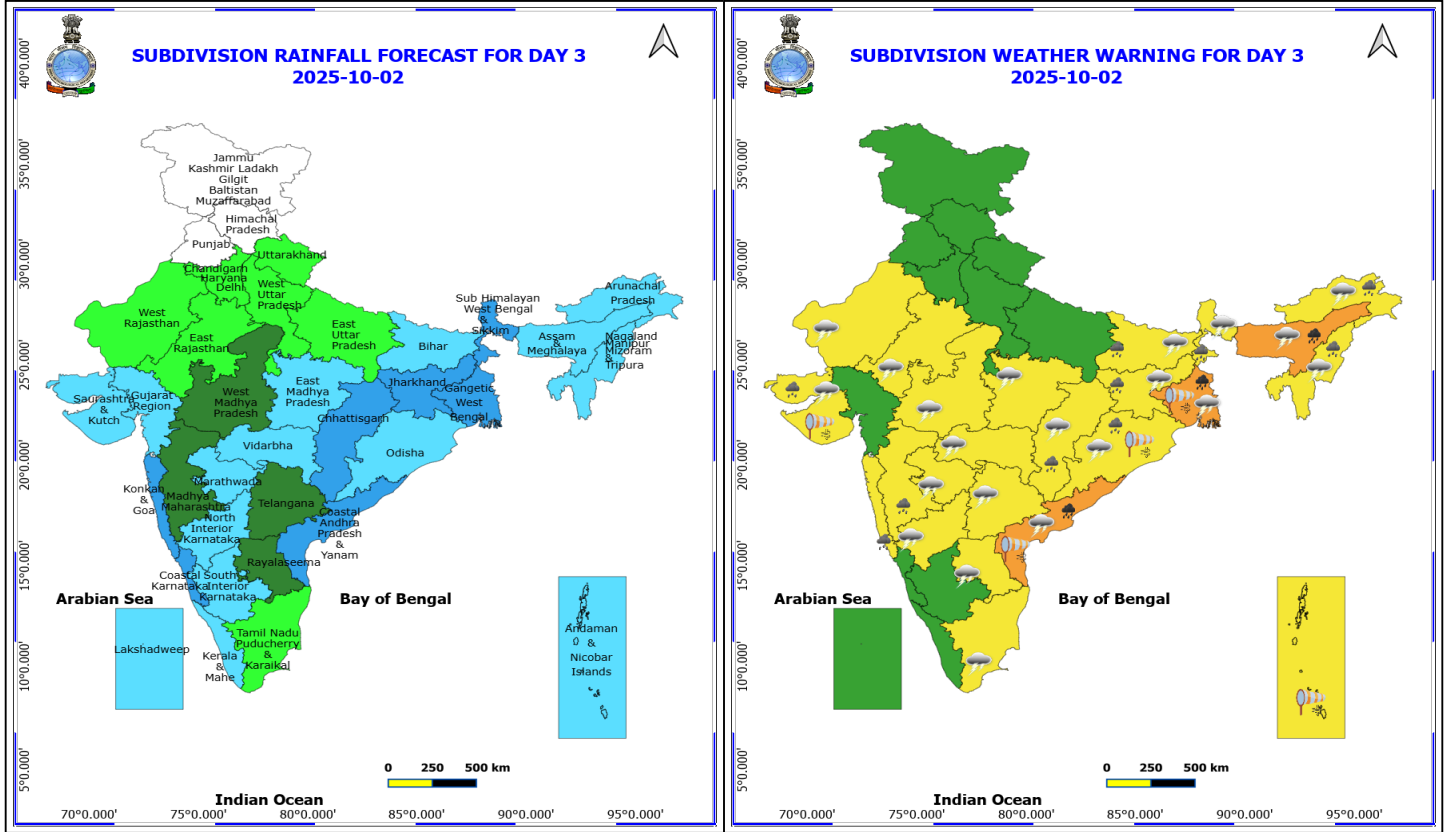
Squally weather with wind speed reaching 45 - 55 kmph gusting to 65 kmph likely to prevail over many parts of

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central and north Bay of Bengal.



2 October (Day 3)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Coastal Andhra Pradesh and Gangetic West Bengal.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Bihar, Chhattisgarh, Jharkhand, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Odisha, Saurashtra & Kutch and Sub Himalayan West Bengal & Sikkim.
- ❖ **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, 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, Marathwada, Nagaland, Manipur, Mizoram and Tripura, North Interior Karnataka, 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 prevail over some parts of southwest Arabian Sea, along and off Somalia coast.

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

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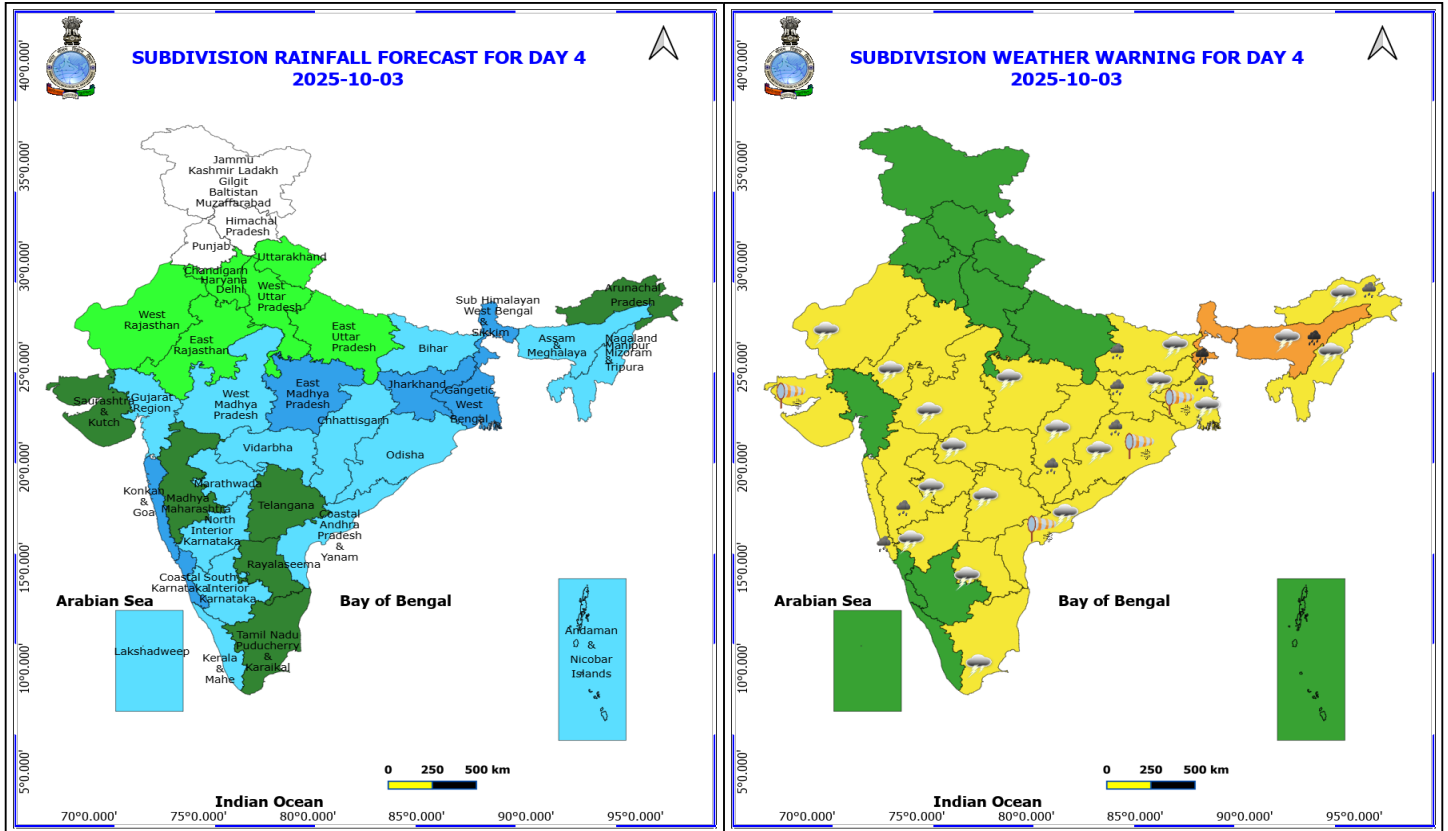
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Bengal, Odisha coasts, Bangladesh, Myanmar coasts over Andaman Sea.

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



3 October (Day 4)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Bihar, Chhattisgarh, Gangetic West Bengal, Jharkhand, Konkan & Goa, Madhya Maharashtra and Odisha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Gangetic West Bengal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Jharkhand, Odisha and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Madhya Pradesh, Marathwada, Nagaland, Manipur, Mizoram and Tripura, North Interior Karnataka, Rajasthan, Tamil Nadu Puducherry & Karaikal and Vidarbha.
- ❖ **Strong Surface Winds** likely at isolated places over 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 prevail over some parts of southwest Arabian Sea, along and off Somalia coast.

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

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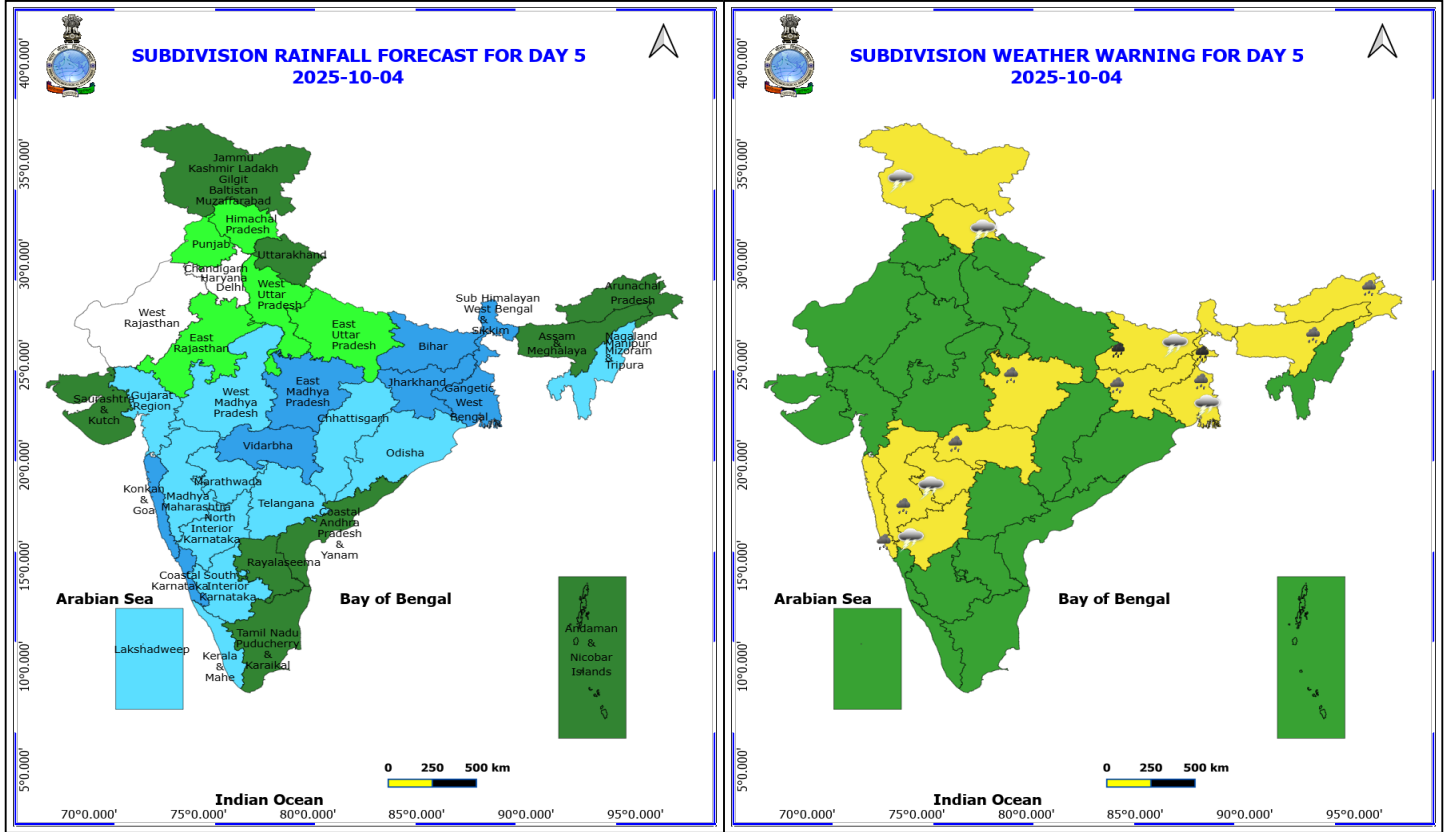
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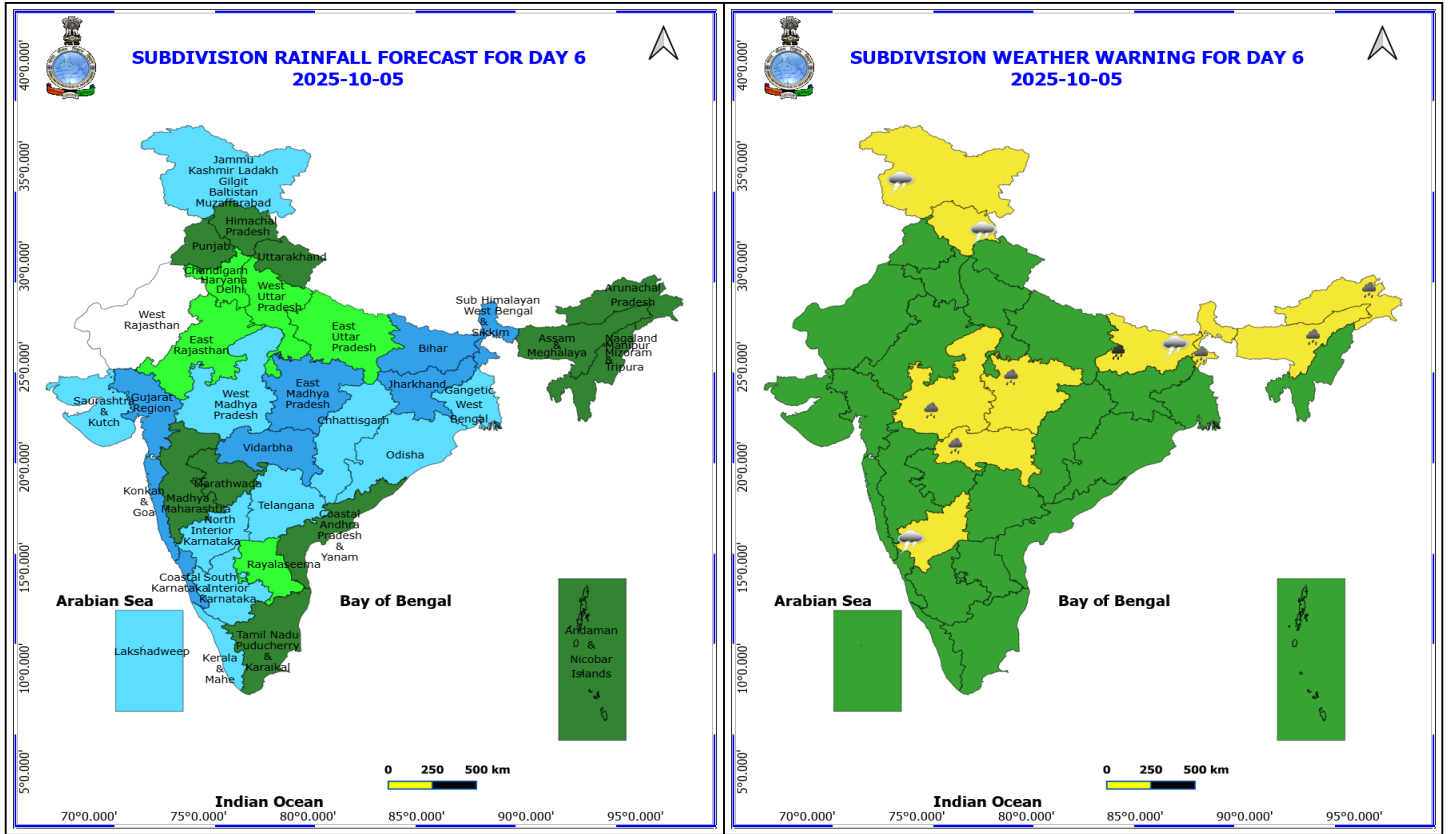
Squally weather with wind speed reaching 45 - 55 kmph gusting to 65 kmph likely to prevail over many parts of central and north Bay of Bengal



4 October (Day 5)

- ❖ **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, East Madhya Pradesh, Gangetic West Bengal, Jharkhand, Konkan & Goa, Madhya Maharashtra and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar and Gangetic West Bengal.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Marathwada and North Interior Karnataka.

No Fishermen Warning



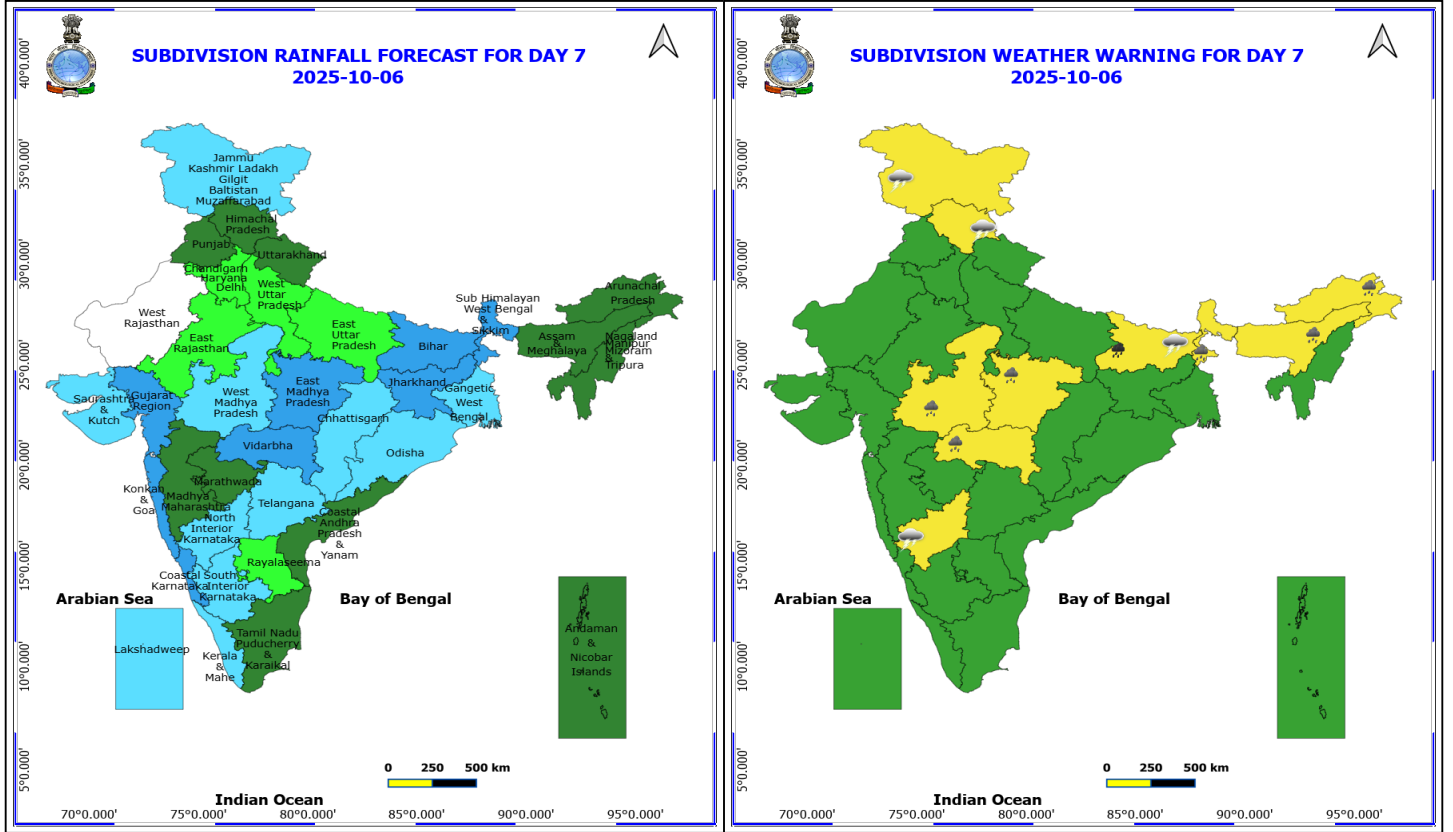
5 October (Day 6)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Bihar.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Madhya Pradesh, Sub Himalayan West Bengal & Sikkim and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and North Interior Karnataka.

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6 October (Day 7)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Bihar.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Madhya Pradesh, Sub Himalayan West Bengal & Sikkim and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and North Interior Karnataka.

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Table-1

7 Days Rainfall Forecast

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

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 2025-09-29

Fig. 2: Departure of Maximum Temp. Dated 2025-09-29

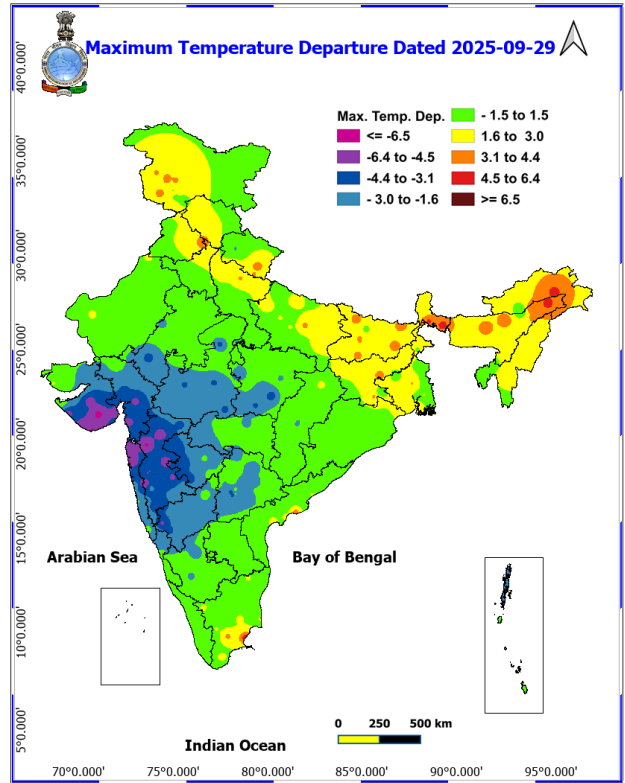
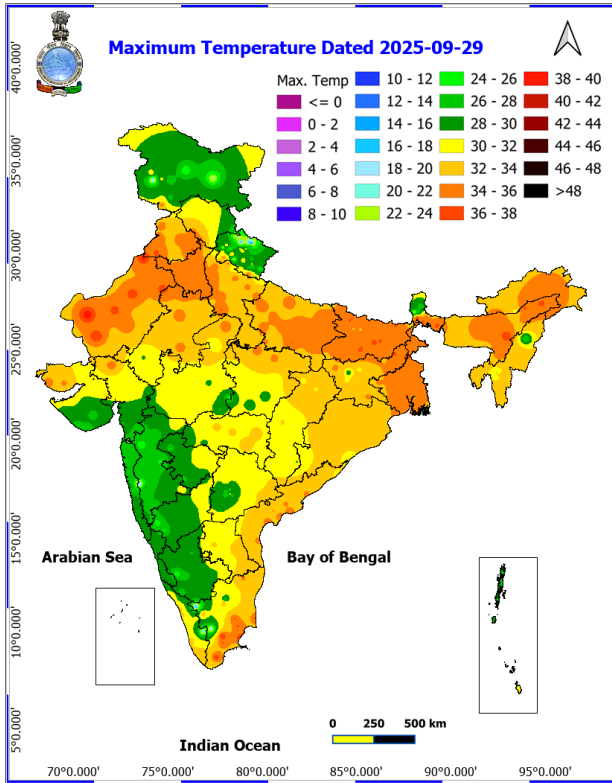
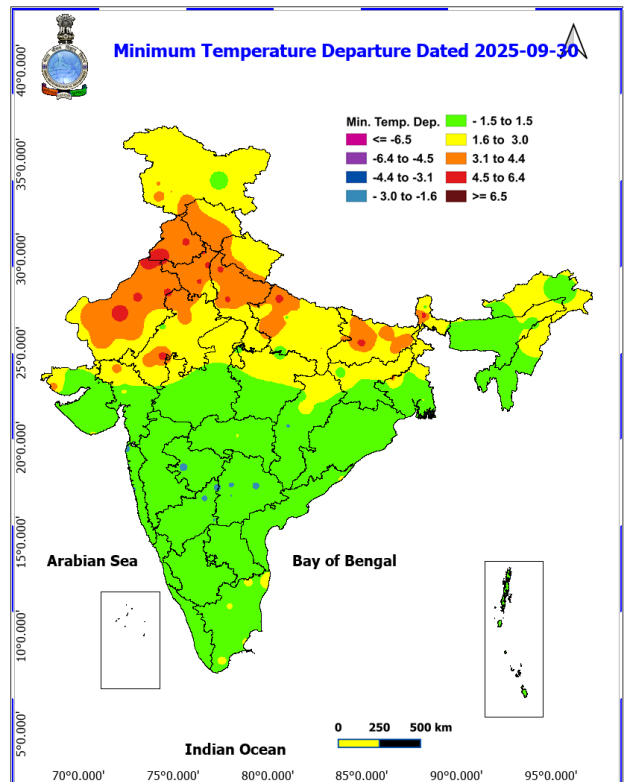
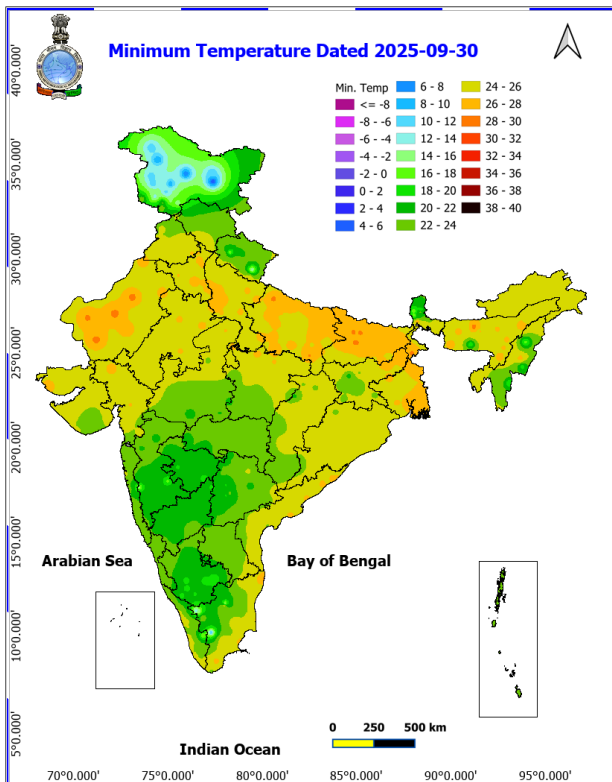


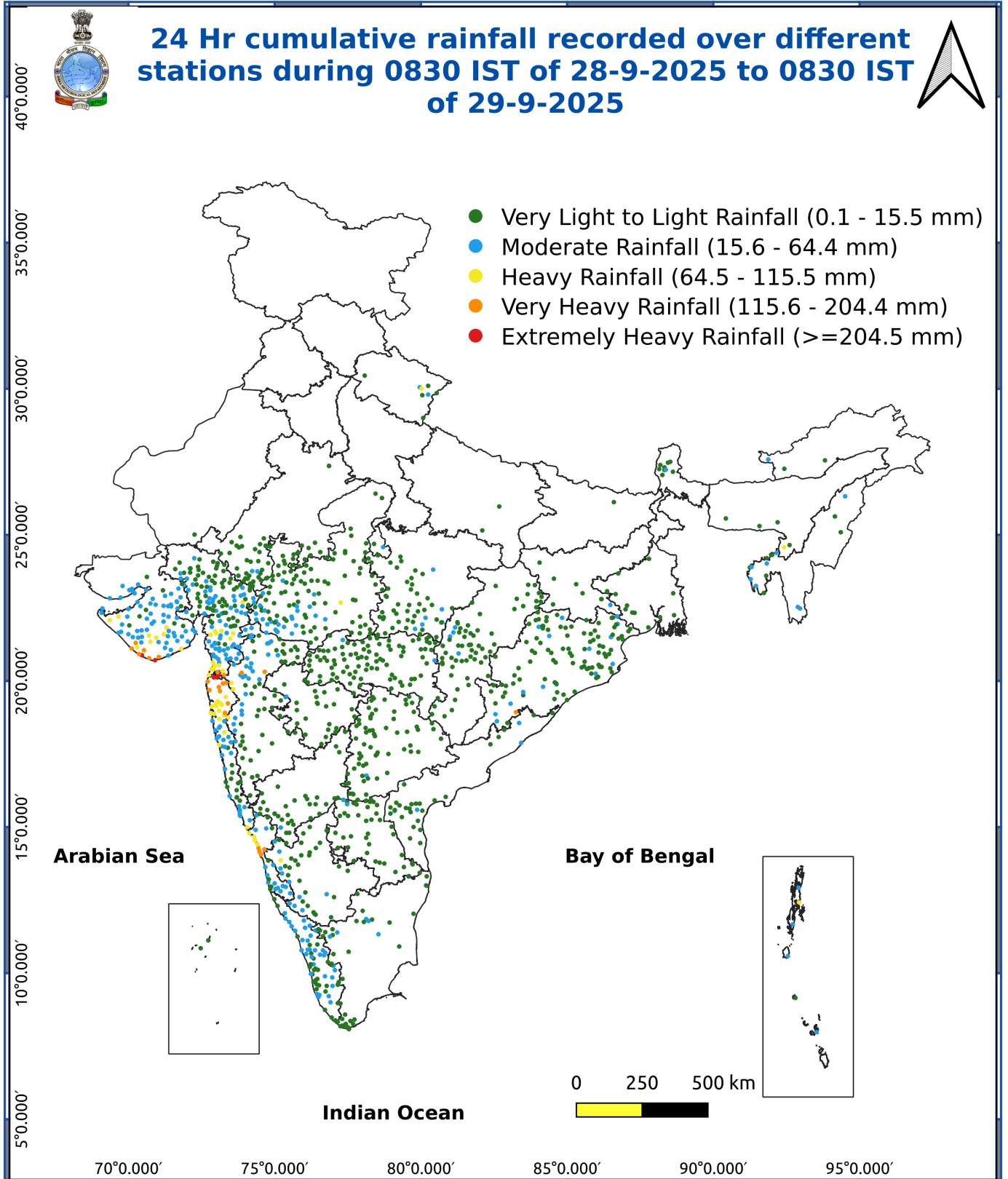
Fig. 3: Minimum Temperatures Dated 2025-09-29

Fig. 4: Departure of Minimum Temp. Dated 2025-09-29



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Impact & Action Suggested due to

- **Very heavy rainfall (12-20 cm)** at isolated places over Saurashtra & Kutch on 30th September; Gangetic West Bengal on 02nd October; Sub-Himalayan West Bengal & Sikkim on 03rd & 04th October; Bihar on 04th & 05th October; Assam & Meghalaya on 02nd & 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

In **Maharashtra**, drain out excess water from fields of rice, groundnut, ginger, vegetables and fruit orchards in the districts of **Konkan**. In **Madhya Maharashtra**, keep the harvested produce of black gram, soybean and kidney beans (rajma) at safer places and drain out excess water from fields of rice, pigeon pea, soybean, maize, cotton, sugarcane, vegetables and fruit orchards. In **Marathwada**, drain out excess water from fields of soybean, cotton, pigeon pea, vegetables and fruit orchards and keep the harvested produce of sapota and custard apple at safer places. In **Vidarbha**, make arrangements to drain out excess water from fields of pigeon pea, cotton, soybean, sorghum, maize and vegetables. Store the harvested produce of green gram and black gram at safe places; if storage is not possible cover the harvested produce with plastic / tarpaulin sheets.

In **Gujarat**, keep the harvested produce of crops such as groundnut, sesame, maize, pearl millet, soybean etc. at safer places. Make necessary arrangements to drain out excess water from fields of rice, sugarcane, cotton, pigeon pea, soybean, groundnut, maize, pearl millet, castor, vegetables and fruit orchards in **Gujarat region** and cotton, pigeon pea, groundnut, black gram, green gram, castor, pearl millet, soybean, sesame and vegetables in **Saurashtra & Kutch**.

In **South East Rajasthan**, make provision to drain out excess rain water from fields of maize, cotton, black gram, soybean and vegetables.

In **West Madhya Pradesh**, ensure proper drainage in the fields of soybean, maize, cotton, black gram and vegetables and keep the harvested produce of soybean, maize and black gram and other field crops at safer places.

In **Karnataka**, provide adequate drainage facilities in fields of rice, cotton, ginger and plantations of arecanut, coconut, banana and black pepper in **Coastal Karnataka** and fields of pigeon pea, groundnut, soybean, maize, cotton, vegetables and fruit orchards in **North Interior Karnataka**.

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.

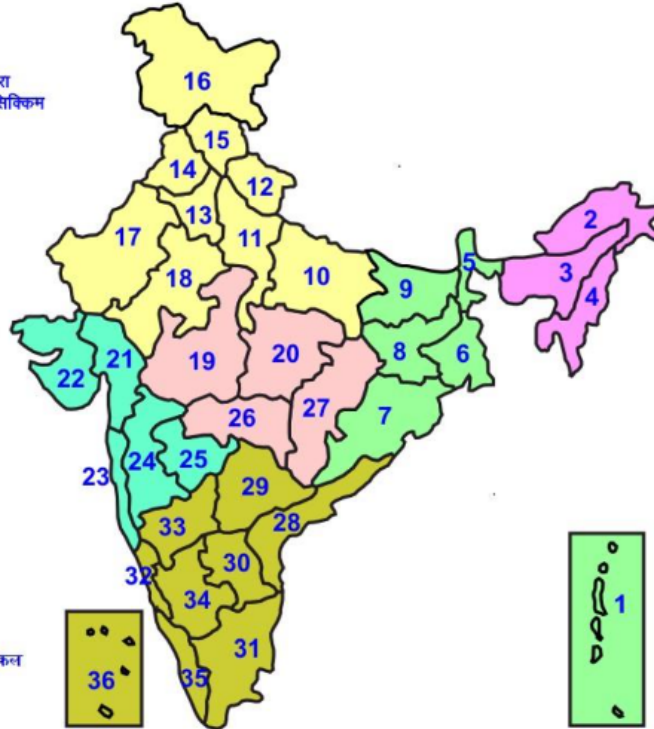
Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

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.

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 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)

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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