

2025-07-28

Time of Issue: 13:13:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Forecast and Warnings

Northwest India:

Extremely heavy rainfall very likely at isolated places over East Rajasthan on 28th & 29th July with **very heavy rainfall** on 30th & 31st July.

Isolated very heavy rainfall over Uttarakhand, East Uttar Pradesh on 28th; West Uttar Pradesh, Himachal Pradesh on 29th July.

Isolated **heavy rainfall** likely over Uttarakhand during 28th July-03rd August; Himachal Pradesh, Jammu and Kashmir, East Uttar Pradesh during 28th-30th July and 03rd August; Punjab, Haryana & Chandigarh on 28th, 29th July & 03rd August; East Rajasthan on 01st August and West Rajasthan during 28th July-01st August Light/moderate rainfall at many places accompanied with thunderstorm, lightning likely over Western Himalayan region and some places over the plains during next 7 days.

West India:

Extremely heavy rainfall very likely at isolated places over north Gujarat Region on 28th July.

Isolated **heavy rainfall** likely over Konkan, Gujarat region, Ghat areas of Madhya Maharashtra on 28th & 29th; Saurashtra & Kutch on 28th July with isolated **very heavy rainfall** over Ghat areas of Madhya Maharashtra on 28th July.

Light to moderate rainfall at many places very likely over the region during next 6-7 days.

Northeast India:

Extremely heavy rainfall very likely at isolated places over Meghalaya on 28th July.

Light/moderate rainfall at many places accompanied with **thunderstorm, lightning and isolated heavy to very heavy rainfall** likely to continue over Arunachal Pradesh, Assam & Meghalaya during 28th July-03rd August.

East & Central India:

Extremely heavy rainfall very likely at isolated places over West Madhya Pradesh on 28th July.

Isolated **heavy rainfall** likely over Madhya Pradesh, Chhattisgarh during 28th-31st; Sub-Himalayan West Bengal & Sikkim during 28th July-03rd August; Bihar during 28th July-02nd August; Jharkhand, Gangetic West Bengal during 28th-30th; Odisha on 29th July with isolated **very heavy rainfall** over Jharkhand, Gangetic West Bengal on 28th; Bihar on 28th & 29th; Madhya Pradesh on 29th; Sub-Himalayan West Bengal & Sikkim on 02nd & 03rd August.

Light to moderate rainfall at most/many places accompanied with thunderstorm, lightning & gusty winds (speed reaching 30-40 Km/h) likely over the region during next 5 days.

South Peninsular India:

Isolated **heavy rainfall** likely over Kerala & Mahe during 28th-30th; Coastal Karnataka on 28th & 29th; South Interior Karnataka on 28th July.

Strong surface winds (speed reaching 40-50 km/h) very likely over South Peninsular India during next 5 days.

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Light to moderate rainfall at most/many places over Kerala & Mahe, Lakshadweep, Karnataka, Rayalaseema, Coastal Andhra Pradesh & Yanam and Telanganaduring next 7 days.

Fishermen warning:

Fishermen are advised to avoid venturing into the following sea areas from 28th July to 02nd August 2025 to the following Areas:

Arabian Sea: Along and off Gujarat, Konkan & Goa and Karnataka coasts and adjoining sea area during 28th to 31st July, over Gujarat and Konkan till 1st August, many parts of southeast, east central, northeast Arabian Sea & some parts of southwest, many parts of west central Arabian Sea; along and off the Somalia coast and adjoining sea areas, south Oman and adjoining Yemen coast & adjoining sea areas during 28th July to 2nd August;; along and off Kerala coasts, over Lakshadweep, Maldives, Comorin areas, during 28th July to 30th July.

Bay of Bengal: Along and off North Andhra Pradesh coast during 28th July, some parts of Southwest Bay of Bengal during 29th July and some parts of west central and adjoining northwest Bay of Bengal for 28th July; Gulf of Mannar during 28th July and 29th July.

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places** over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, West Madhya Pradesh, Gujarat Region, Konkan & Goa, Vidarbha, Coastal Karnataka, Kerala & Mahe and Lakshadweep; **at many places** over Andaman & Nicobar Islands, Jharkhand, Himachal Pradesh, East Rajasthan, Saurashtra & Kutch, Madhya Maharashtra, Chhattisgarh and South Interior Karnataka; **at a few places** over Gangetic West Bengal, Odisha, East Uttar Pradesh, Uttarakhand, Punjab, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, East Madhya Pradesh and North Interior Karnataka; **at isolated places** over West Uttar Pradesh, Haryana-Chandigarh-Delhi, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Tamil Nadu, Puducherry & Karaikal; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Gujarat Region**: Dascroi (dist Ahmedabad) 26; Nadiad (dist Kheda) 22; Matar (dist Kheda) 19; Mahudha (dist Kheda), Vaso (dist Kheda) 15 Each; Mahemdavad (dist Kheda), Bilodara AWS (dist Kheda) 14 Each; Umreth (dist Anand), Sanand (dist Ahmedabad), Kheda (dist Kheda) 12 Each; **East Rajasthan**: Ramganjmandi SR (dist Kota) 24; Dug (dist Jhalawar) 17; Jhalarpatan SR (dist Jhalawar) 16; Jahazpur (dist Bhilwara) 15; Atru SR (dist Baran), Bijoliya SR (dist Bhilwara), Arnod SR (dist Pratapgarh) 14 Each; Pratapgarh (dist Pratapgarh) 13; Bakani SR (dist Jhalawar), Nimbahera (dist Chittorgarh) 12 Each; Pachpahar SR (dist Jhalawar), Pirawa (dist Jhalawar), Deoli (dist Tonk) 11 Each; Aklera (dist Jhalawar), Baran (dist Baran) 10 Each; **Assam & Meghalaya**: Cherrapunji(rkm) (dist East Khasi Hills) 20; Mawsynram (dist East Khasi Hills) 17; Cherrapunji (dist East Khasi Hills), Tihu ARG (dist Nalbari) 13 Each; **West Madhya Pradesh**: Biora (dist Rajgarh) 19; Bhanpura (dist Mandsaur), Susner (dist Agar-malwa), Zirapur (dist Rajgarh) 18 Each; Garoth (dist Mandsaur), Manasa (dist Neemuch), Jawad (dist Neemuch), Khilchipur (dist Rajgarh) 14 Each; Suvasara (dist Mandsaur), Neemuch-aws (dist Neemuch), Nalkheda (dist Agar-malwa) 10 Each; **Himachal Pradesh**: Kangra AP (dist Kangra) 14; **Nagaland, Manipur, Mizoram & Tripura**: Jirania ARG (dist West Tripura) 10; **Sub Himalayan West Bengal & Sikkim**: Darjeeling (dist Darjeeling) 10.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today):**Extremely heavy rain** at isolated places over Assam & Meghalaya, East Rajasthan and Gujarat Region. **Heavy to very heavy rain** at isolated places over Assam & Meghalaya, Himachal Pradesh, East Rajasthan, West Madhya Pradesh and Gujarat Region. **Heavy rain** at isolated places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Jharkhand, East Uttar Pradesh, Punjab, West Rajasthan, Konkan & Goa and Madhya Maharashtra.

❖ **Minimum Temperature Departures (as on 28-07-2025): markedly above normal(> 5.1°C)** at many places over Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad; at few places over Assam & Meghalaya; at isolated places over West Uttar Pradesh, Himachal Pradesh, East Rajasthan and West Madhya Pradesh. **appreciably above normal(3.1°C to 5.0°C)** at few places over Sub Himalayan West Bengal & Sikkim and East Madhya Pradesh; at isolated places over Andaman & Nicobar Islands, Gangetic West Bengal, Odisha, West Rajasthan, Saurashtra & Kutch and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over Haryana-Chandigarh-Delhi; at few places over Punjab, Gujarat Region and Coastal Andhra Pradesh & Yanam; at isolated places over Bihar, East Uttar Pradesh and Uttarakhand. **near normal(-1.5°C to 1.5°C)** at many places over Chhattisgarh, South Interior Karnataka and Lakshadweep; at most places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Jharkhand, Konkan & Goa, Madhya Maharashtra, Marathwada, Vidarbha, Telangana, Rayalaseema, Coastal Karnataka and North Interior Karnataka; at few places over Kerala & Mahe. **The lowest minimum temperature** of 18.2°C is reported at DURG (CHHATTISGARH) over the Plains of India.

❖ **Maximum Temperature Departures (as on 27-07-2025): appreciably above normal(3.1°C to 5.0°C)** at isolated places over Odisha and Coastal Andhra Pradesh & Yanam. **above normal(1.6°C to 3.0°C)** at few places over Sub Himalayan West Bengal & Sikkim, West Uttar Pradesh and Haryana-Chandigarh-Delhi; at isolated places over Gangetic West Bengal, Bihar, Punjab and Rayalaseema. **near normal(-1.5°C to 1.5°C)** at many places over Chhattisgarh; at most places over Andaman & Nicobar Islands, East Uttar Pradesh, Uttarakhand, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Telangana, Coastal Karnataka and North Interior Karnataka; at isolated places over Gujarat Region. **The highest maximum temperature** of 40.2°C is reported at MADURAI (A) (TAMIL NADU).

Meteorological Analysis (Based on 0830 hours IST)

The **low Pressure area** over northwest Madhya Pradesh & adjoining east Rajasthan persisted over the same region at 0830 hrs IST of today, the 28th July, 2025. The associated cyclonic circulation extending upto 5.8 km above mean sea level tilting southwestwards with height persists.

The **trough** from the northeast Arabian Sea to southeast Uttar Pradesh across Gujarat, East Rajasthan, cyclonic circulation associated with the low-pressure area over northwest Madhya Pradesh & adjoining East Rajasthan at 3.1 km above mean sea level persists.

The **monsoon trough** at mean sea level passes through Sri Ganganagar, Jhunjhunu, center of lowpressure area over northwest Madhya Pradesh & adjoining east Rajasthan, Panna, Daltonganj, Purulia and thence east-southeastwards to the northeast Bay of Bengal.

The **upper air cyclonic circulation** over south Punjab & neighbourhood at 0.9 km above mean sea level persists.

The **Western Disturbance** as a trough in middle tropospheric level with its axis at 5.8 km above mean sea level roughly along Long. 65°E to the north of Lat. 30°N persists.

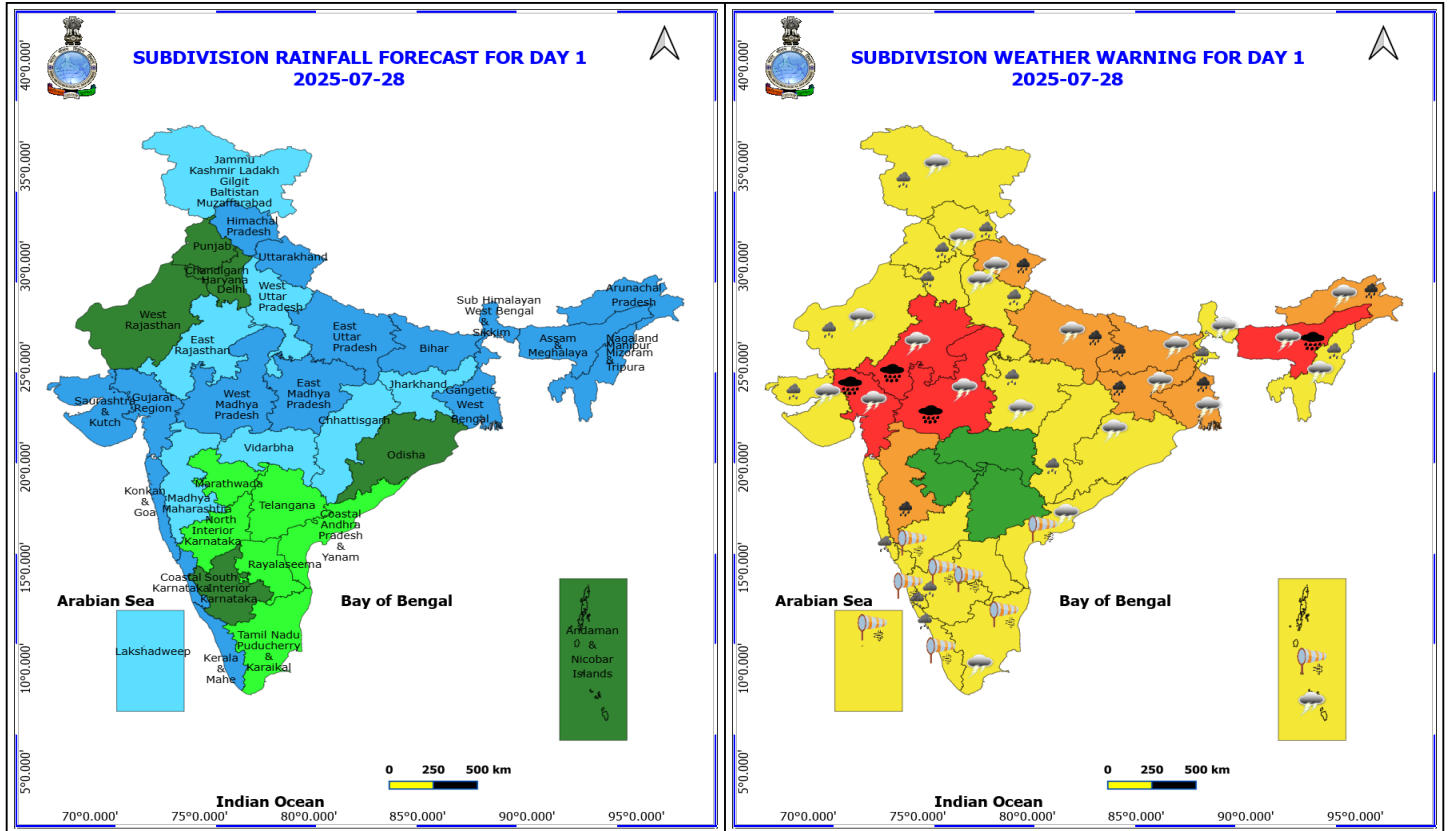
The **upper air cyclonic circulation** over north Bangladesh & neighbourhood extending upto 5.8 km above mean sea level persists.

The **trough** from north Bihar to Manipur across the above cyclonic circulation over north Bangladesh & neighbourhood, south Assam persists and now lies between 0.9 & 3.1 km above mean sea level tilting southwestwards with height.

The off-shore **trough** at sea level along Gujarat- north Kerala coasts has become less marked.

Weather Outlook for subsequent 3 days

- Fairly widespread to widespread rainfall likely over northwest, northeast, eastern India.
- Scattered to fairly widespread rainfall likely over central and peninsular India.



28 July (Day 1)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, East Rajasthan, Gujarat Region and West Madhya Pradesh.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Bihar, East Uttar Pradesh, Gangetic West Bengal, Jharkhand, Madhya Maharashtra and Uttarakhand.
- ❖ **Heavy Rainfall** very likely at isolated places over Chhattisgarh, Coastal Karnataka, East Madhya Pradesh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe, Konkarn & Goa, Nagaland, Manipur, Mizoram and Tripura, Punjab, Saurashtra & Kutch, South Interior Karnataka, Sub Himalayan West Bengal & Sikkim, West Rajasthan and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Odisha and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Coastal Andhra Pradesh, Gujarat State, Himachal Pradesh, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Tamil Nadu Puducherry & Karaikal, Uttar Pradesh and Uttarakhand.
- ❖ **Strong Surface Winds** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Karnataka, Kerala & Mahe, Lakshadweep and Tamil Nadu Puducherry & Karaikal.

Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, Yemen & south Oman coasts, most parts of westcentral Arabian Sea & eastcentral Arabian Sea, many parts of southwest Arabian Sea, southern parts of north Arabian Sea, along and off Karnataka coast .

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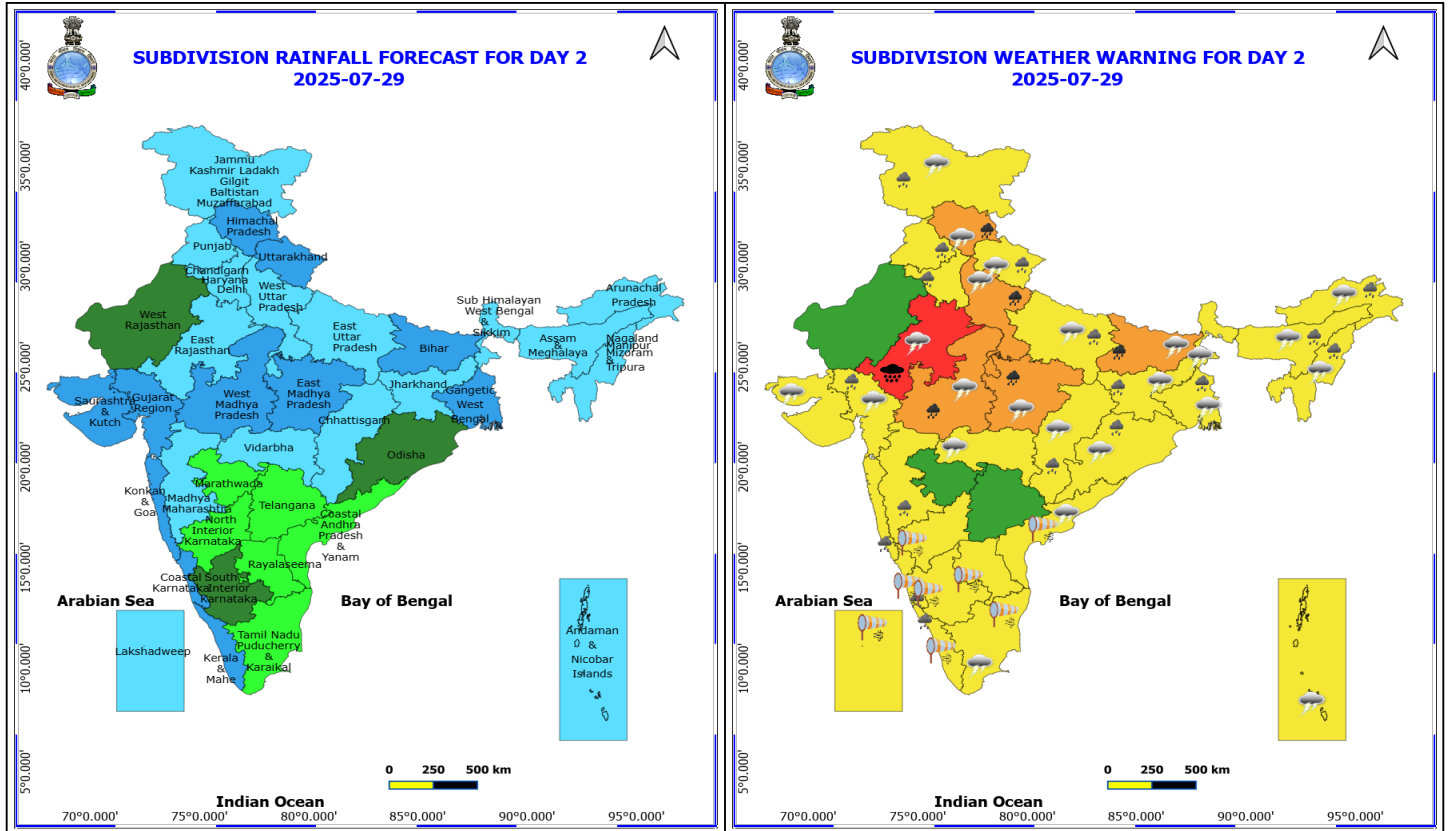
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Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail over many parts of southeast Arabian Sea, some parts of southwest Arabian Sea, Kerala, along and off north Andhra Pradesh, over Lakshadweep, Maldives, Comorin areas, over some parts of west central adjoining north Bay of Bengal, over Gulf of Mannar, along and off west Sri Lanka coast.

Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph likely to prevail along and off Gujarat, Konkan, Goa coasts, Karnataka coasts and adjoining sea areas.



29 July (Day 2)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over East Rajasthan.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Bihar, Himachal Pradesh, Madhya Pradesh and West Uttar Pradesh.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Coastal Karnataka, East Uttar Pradesh, Gangetic West Bengal, Gujarat Region, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Odisha, Punjab and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Odisha and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Coastal Andhra Pradesh, East Rajasthan, Gujarat State, Himachal Pradesh, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Tamil Nadu Puducherry & Karaikal, Uttar Pradesh, Uttarakhand and Vidarbha.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh, Karnataka, Kerala & Mahe, Lakshadweep and Tamil Nadu Puducherry & Karaikal.

Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, Yemen & south Oman coasts, most parts of westcentral Arabian Sea & eastcentral Arabian Sea, many parts of southwest Arabian Sea, southern parts of north Arabian Sea.

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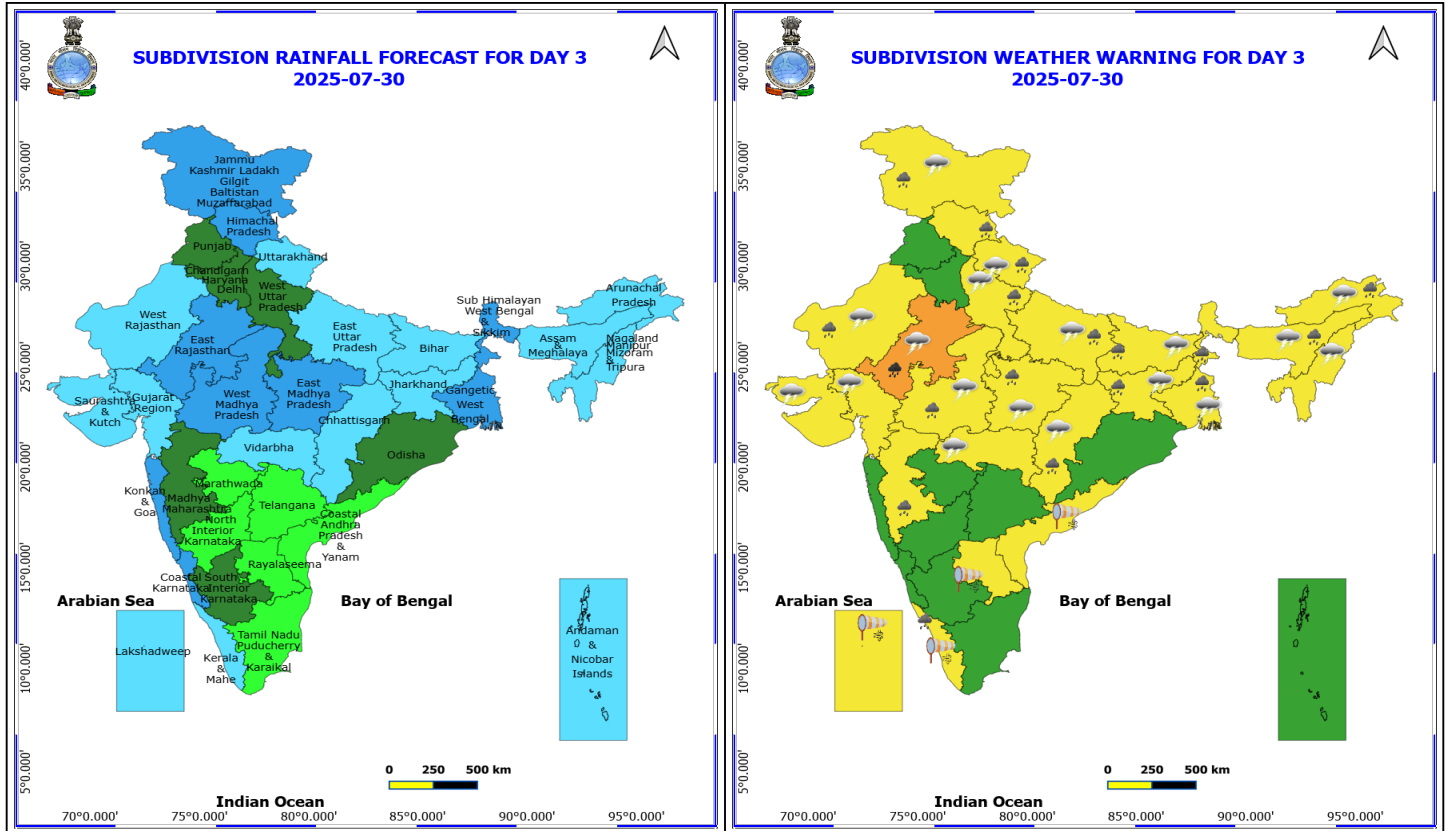
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Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail over, many parts of southeast Arabian Sea, few parts of southwest Arabian Sea, along and off Kerala, Karnataka, over Lakshadweep, Maldives, Comorin areas, over few parts of southwest Bay of Bengal, over Gulf of Mannar, along and off Sri Lanka coast.

Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph likely to prevail along and off Gujarat, Konkan, Goa coasts and adjoining sea areas.



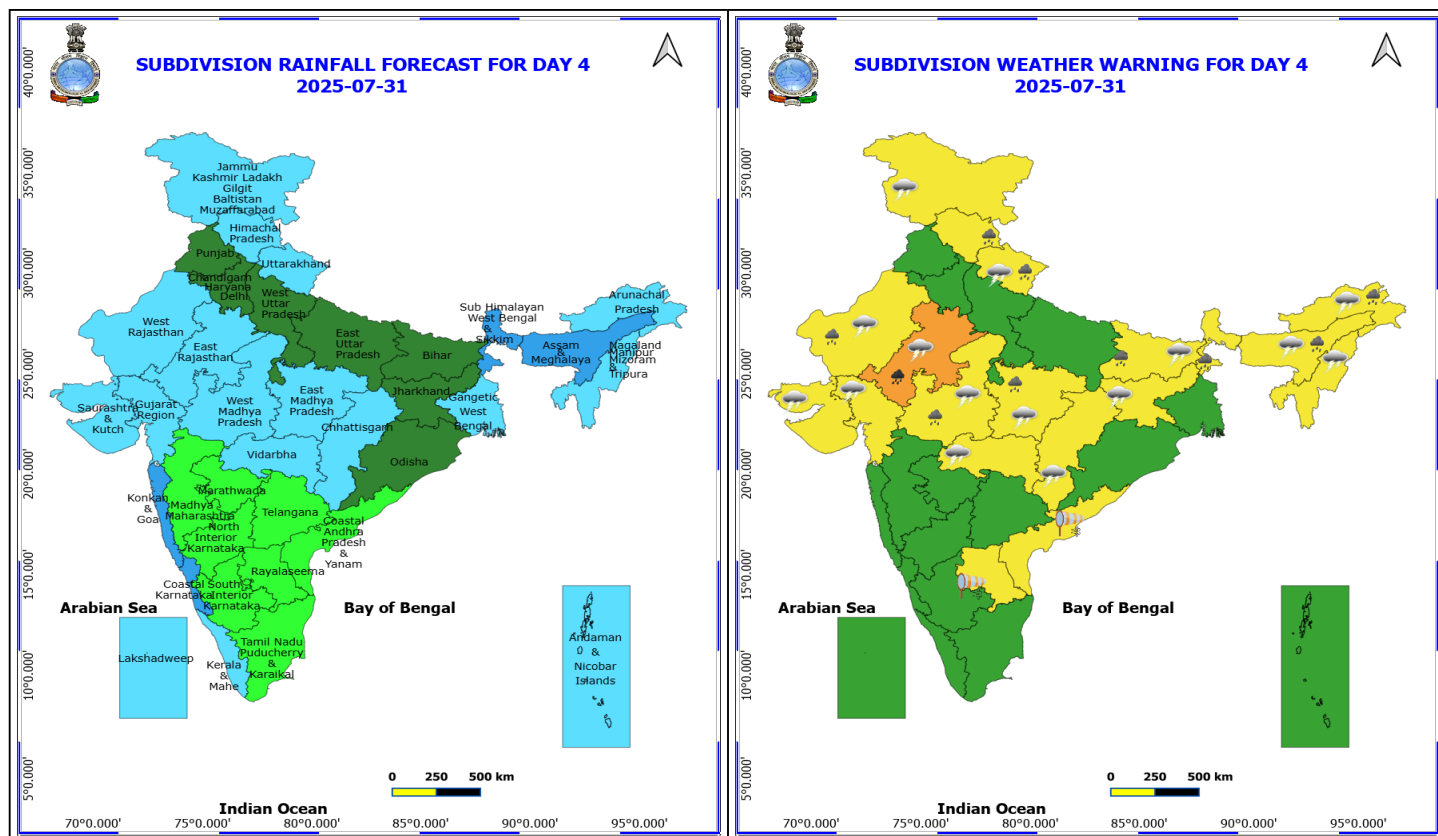
30 July (Day 3)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over East Rajasthan.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Kerala & Mahe, Madhya Maharashtra, Madhya Pradesh, Uttar Pradesh, Uttarakhand, West Bengal & Sikkim and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Gangetic West Bengal, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Jharkhand.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat State, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Uttar Pradesh, Uttarakhand and Vidarbha.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh, Kerala & Mahe and Lakshadweep.

Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, Yemen & south Oman coasts, most parts of westcentral Arabian Sea & eastcentral Arabian Sea, many parts of southwest Arabian Sea, southern parts of north Arabian Sea.

Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail over many parts of eastcentral Arabian Sea, along and off Konkon & Goa, Karnataka coasts.

Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph likely to prevail along and off Gujarat and adjoining most parts of northeast Arabian Sea



31 July (Day 4)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over East Rajasthan.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Himachal Pradesh, Madhya Pradesh, Sub Himalayan West Bengal & Sikkim, Uttarakhand and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar and Jharkhand.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat State, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Uttarakhand and Vidarbha.
- ❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh.

Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, Yemen & south Oman coasts, most parts of westcentral Arabian Sea & eastcentral Arabian Sea, many parts of southwest Arabian Sea, southern parts of north Arabian Sea.

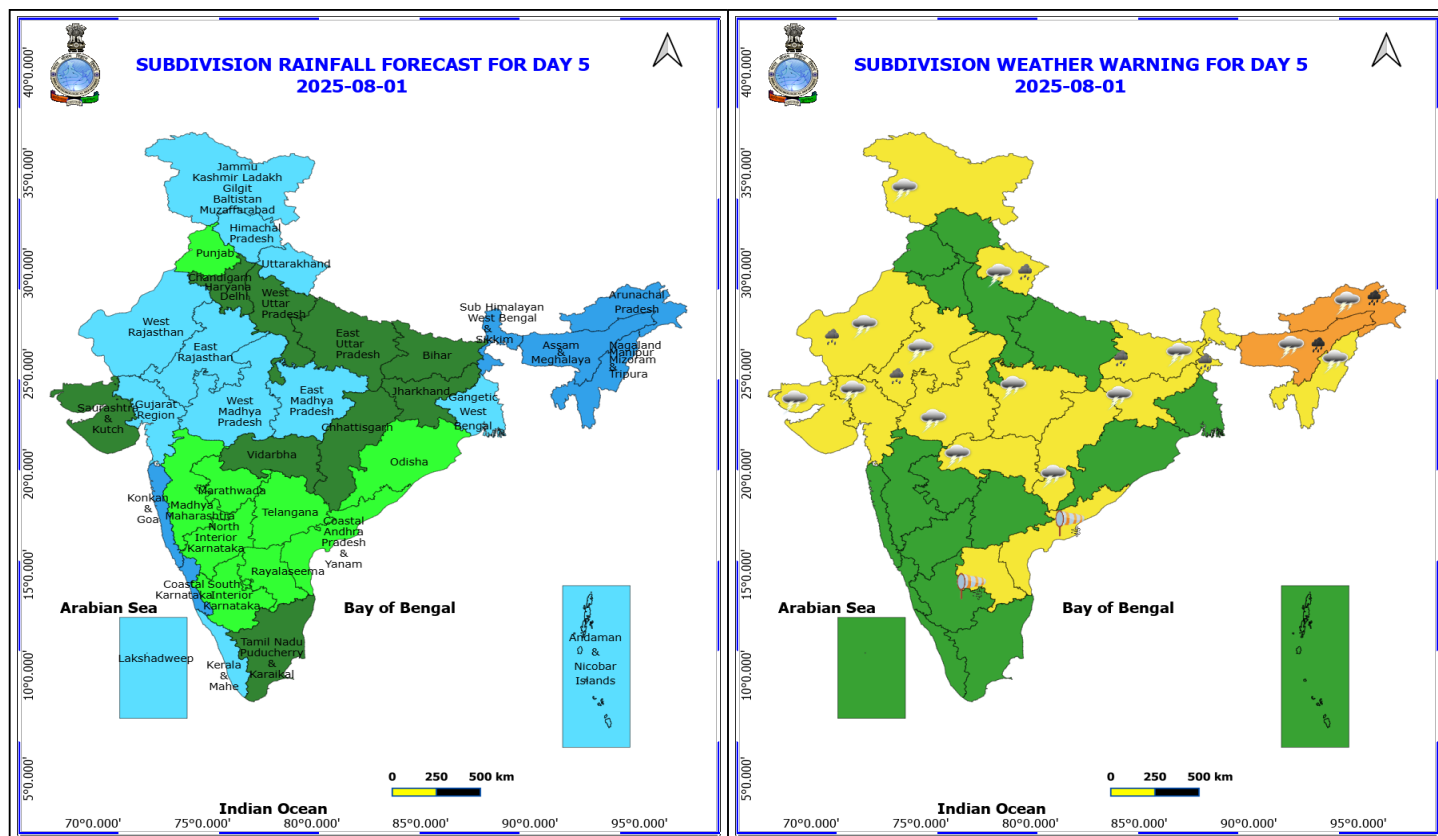
Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail over many parts of eastcentral Arabian Sea & adjoining, most parts of northeast Arabian Sea along and off Gujarat, Konkon coasts.

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1 August (Day 5)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
- ❖ **Heavy Rainfall** likely at isolated places over Bihar, Rajasthan, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar and Jharkhand.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat State, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Uttarakhand and Vidarbha.
- ❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh.

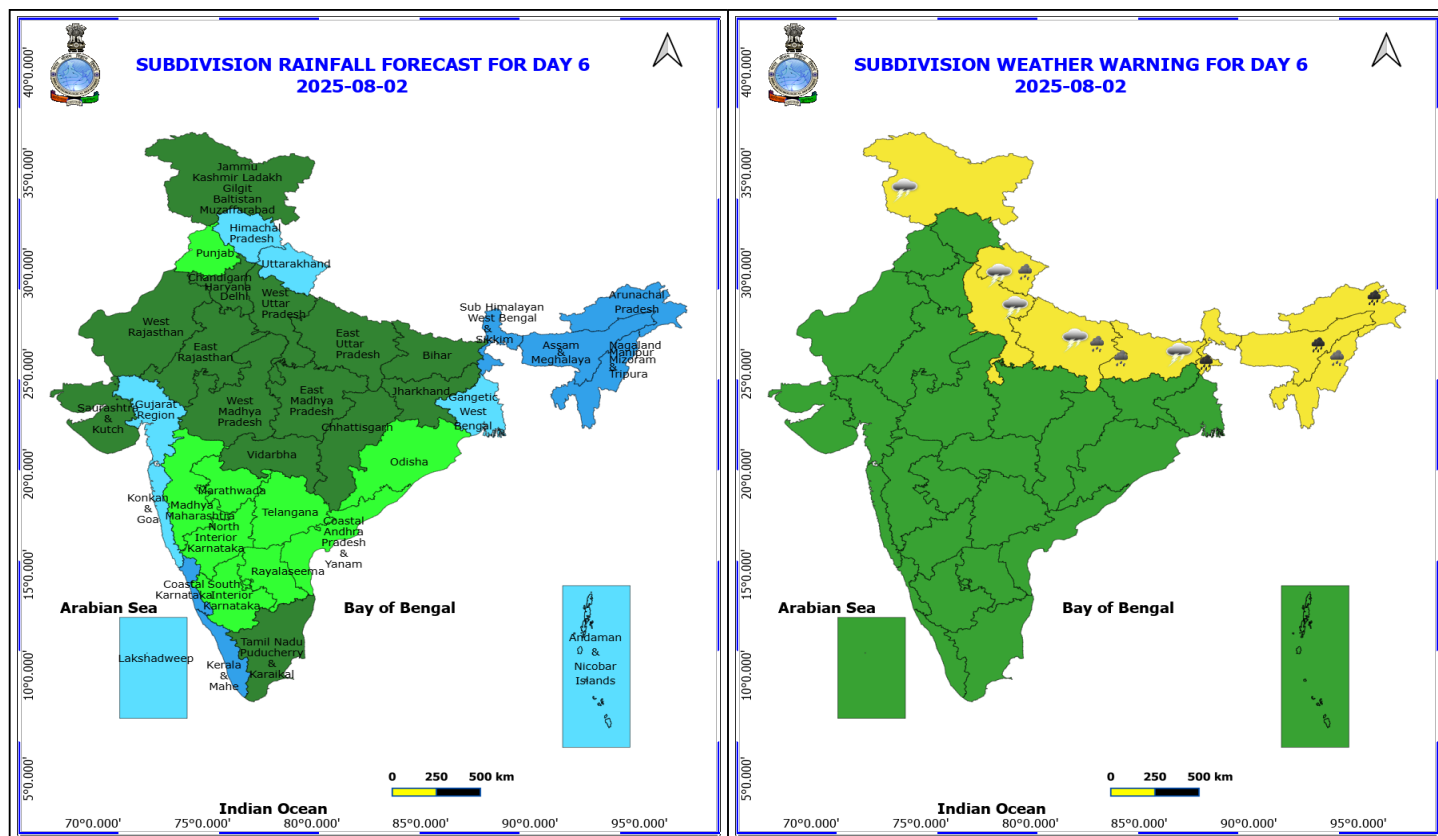
Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Somalia, Yemen & south Oman coasts, most parts of westcentral Arabian Sea & eastcentral Arabian Sea, many parts of southwest Arabian Sea, southern parts of north Arabian Sea.

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2 August (Day 6)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** likely at isolated places over Bihar, East Uttar Pradesh, Nagaland, Manipur, Mizoram and Tripura and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Uttar Pradesh and Uttarakhand.

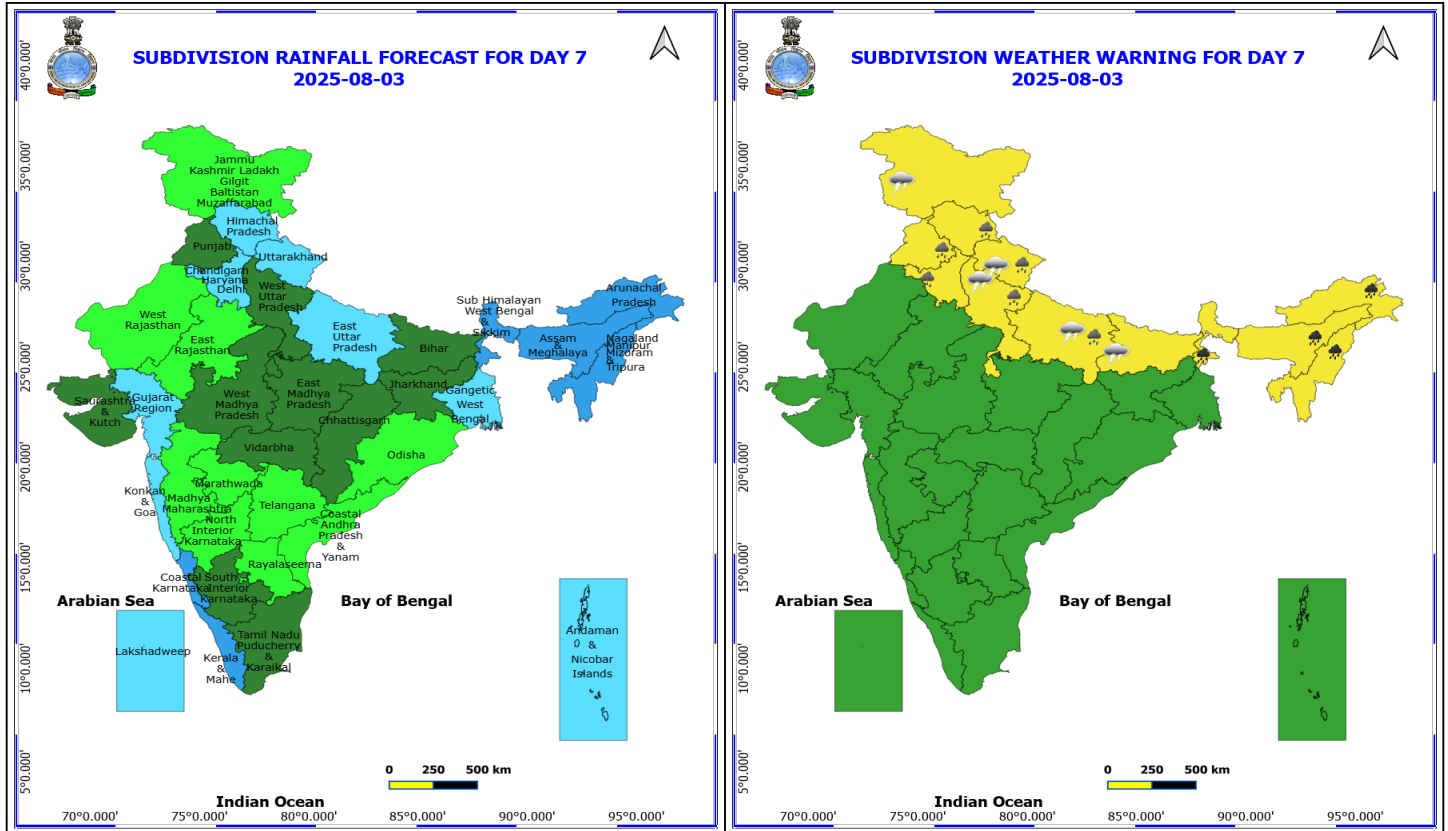
No Fishermen Warning

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3 August (Day 7)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
- ❖ **Heavy Rainfall** likely at isolated places over Bihar, Rajasthan, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar and Jharkhand.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat State, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Uttarakhand and Vidarbha.
- ❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh.

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Flash Flood Warnings

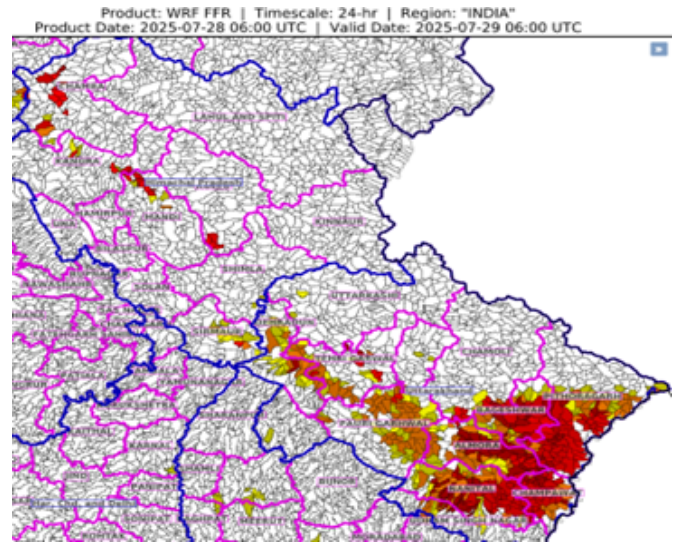
24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 29-07-2025 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Himachal Pradesh - Chamba, Kangra, Kullu, Mandi, Shimla and Sirmaur districts.

Uttarakhand - Almora, Bageshwar, Chamoli, Champawat, Dehradun, Haridwar, Nanital, Pauri Garhwal, Pithoragarh, Rudrapur, Tehri Garwal, Udham Singh Nagar and Uttarkashi districts.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 24 hours.



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Table-1

7 Days Rainfall Forecast

S.No.	Subdivision	28- Jul	29- Jul	30- Jul	31- Jul	1- Aug	2- Aug	3- Aug
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	SCT	FWS	FWS	FWS	FWS	FWS	FWS
2	ARUNACHAL PRADESH	WS	FWS	FWS	FWS	WS	WS	WS
3	ASSAM & MEHGHALAYA	WS	FWS	FWS	WS	WS	WS	WS
4	N. M. M. & T.	WS	FWS	FWS	FWS	WS	WS	WS
5	S.H. WEST BENGAL & SIKKIM	WS	FWS	WS	WS	WS	WS	WS
6	GANGETIC WEST BENGAL	WS	WS	WS	FWS	FWS	FWS	FWS
7	ODISHA	SCT	SCT	SCT	SCT	ISOL	ISOL	ISOL
8	JHARKHAND	FWS	FWS	FWS	SCT	SCT	SCT	SCT
9	BIHAR	WS	WS	FWS	SCT	SCT	SCT	SCT
10	EAST UTTAR PRADESH	WS	FWS	FWS	SCT	SCT	SCT	FWS
11	WEST UTTAR PRADESH	FWS	FWS	SCT	SCT	SCT	SCT	SCT
12	UTTARAKHAND	WS	WS	FWS	FWS	FWS	FWS	FWS
13	HARYANA, CHD & DELHI	SCT	FWS	SCT	SCT	SCT	SCT	FWS
14	PUNJAB	SCT	FWS	SCT	SCT	ISOL	ISOL	SCT
15	HIMACHAL PRADESH	WS	WS	WS	FWS	FWS	FWS	FWS
16	JAMMU AND KASHMIR AND LADAKH	FWS	FWS	WS	FWS	FWS	SCT	ISOL
17	WEST RAJASTHAN	SCT	SCT	FWS	FWS	FWS	SCT	ISOL
18	EAST RAJASTHAN	FWS	FWS	WS	FWS	FWS	SCT	ISOL
19	WEST MADHYA PRADESH	WS	WS	WS	FWS	FWS	SCT	SCT
20	EAST MADHYA PRADESH	WS	WS	WS	FWS	FWS	SCT	SCT
21	GUJRAT REGION	WS	WS	FWS	FWS	FWS	FWS	FWS
22	SAURASHTRA & KUTCH	WS	WS	FWS	FWS	SCT	SCT	SCT
23	KONKAN & GOA	WS	WS	WS	WS	WS	FWS	FWS
24	MADHYA MAHARASHTRA	FWS	FWS	SCT	ISOL	ISOL	ISOL	ISOL
25	MARATHWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	FWS	FWS	FWS	FWS	SCT	SCT	SCT
27	CHATTISGARH	FWS	FWS	FWS	FWS	SCT	SCT	SCT
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
32	COSTAL KARNATAKA	WS	WS	WS	WS	WS	WS	WS
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	SCT	SCT	SCT	ISOL	ISOL	ISOL	SCT
35	KERALA	WS	WS	FWS	FWS	FWS	WS	WS
36	LAKSHDWEAP	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 2025-07-28

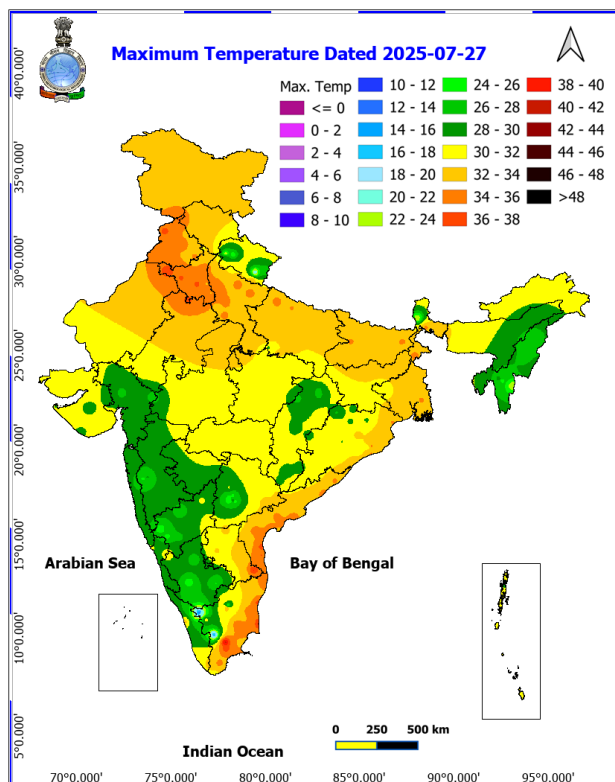


Fig. 2: Departure of Maximum Temp. Dated 2025-07-28

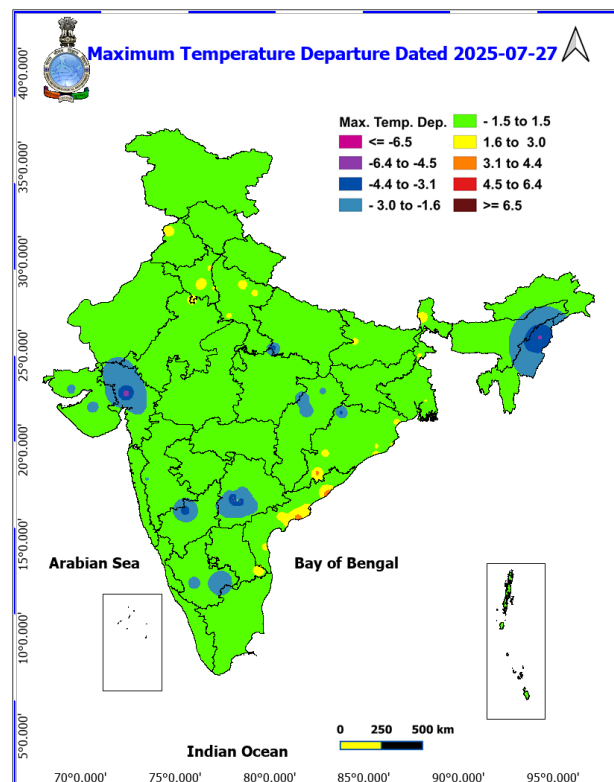


Fig. 3: Minimum Temperatures Dated 2025-07-28

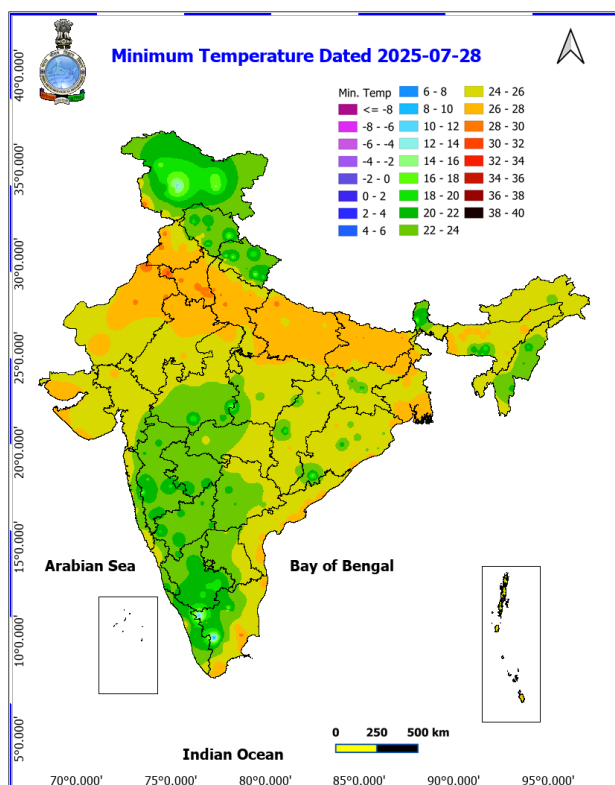
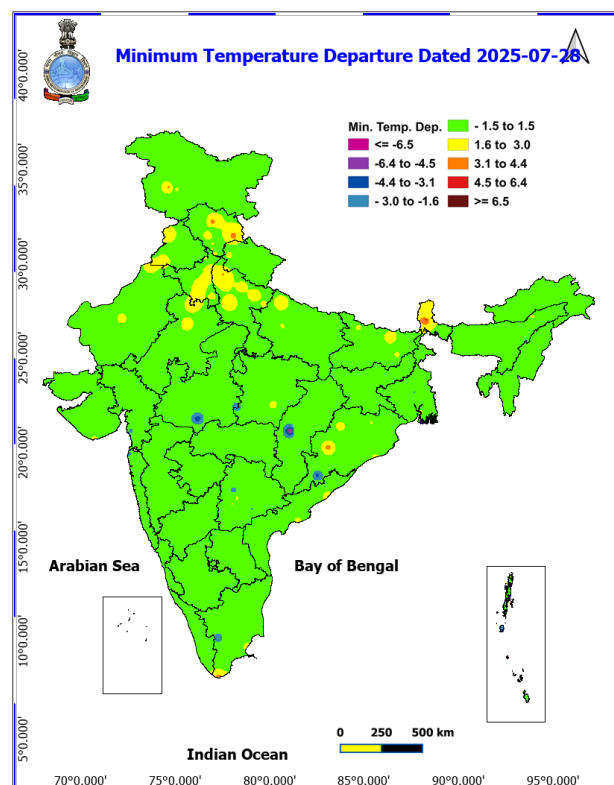
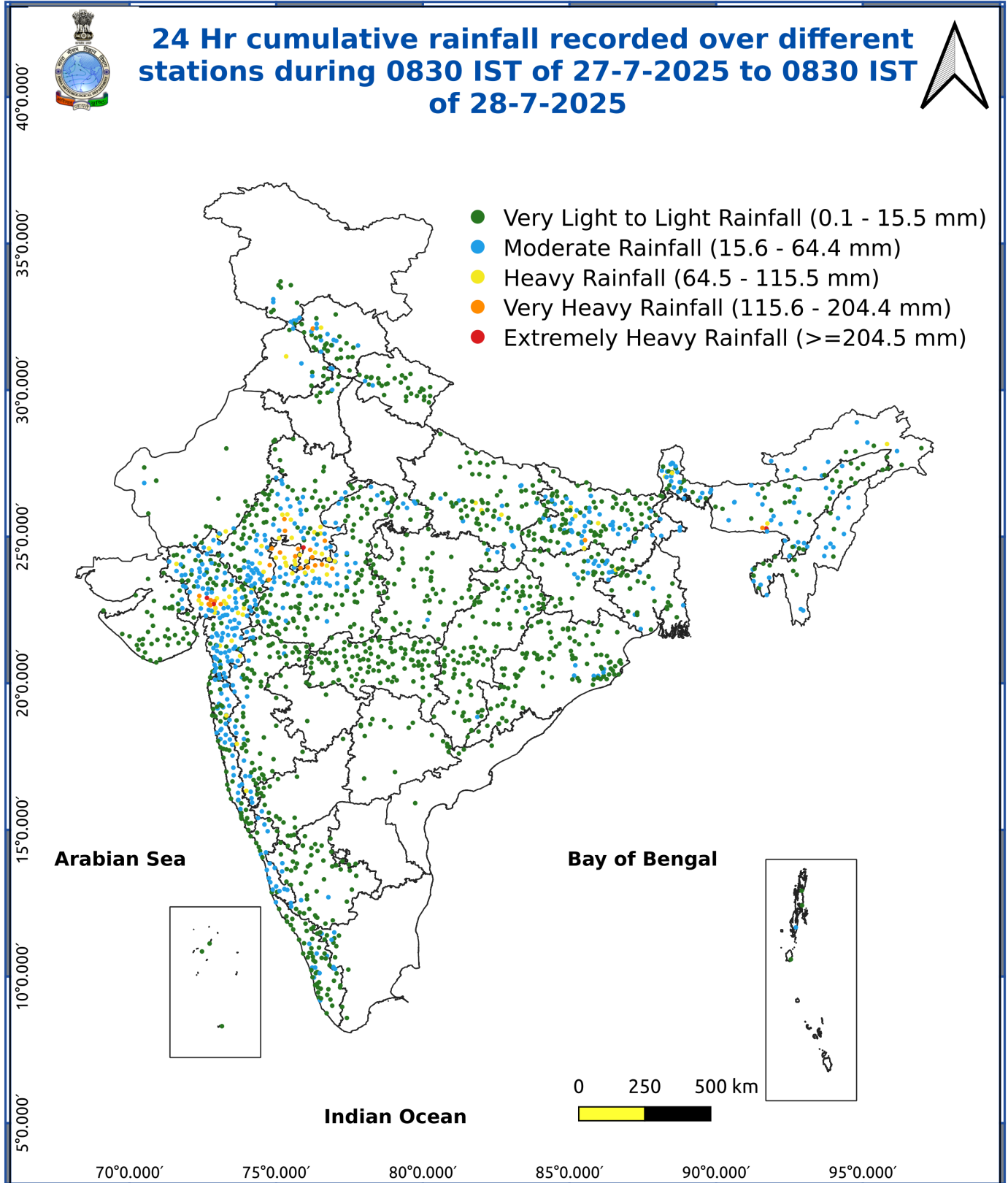


Fig. 4: Departure of Minimum Temp. Dated 2025-07-28





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Impact & Action Suggested due to

Extremely heavy rainfall very likely at isolated places over East Rajasthan on 28th & 29th July; Gujarat Region, southwest Madhya Pradesh, Meghalaya on 28th July.

Isolated very heavy rainfall over Uttarakhand, East Uttar Pradesh, Jharkhand, Gangetic West Bengal on 28th; West Uttar Pradesh, Himachal Pradesh on 29th July; East Rajasthan on 30th & 31st July; Arunachal Pradesh, Assam on 28th July & during 01st-03rd August; Bihar on 28th & 29th; Madhya Pradesh on 29th; Sub-Himalayan West Bengal & Sikkim on 02nd & 03rd August

Impact Expected

Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.

Occasional reduction in visibility due to heavy rainfall.

Disruption of traffic in major cities due to water logging in roads leading to increased travel time.

Minor damage to kutcha roads.

Possibilities of damage to vulnerable structure.

Localized Landslides/Mudslides/landslips/mudslips/landsinks/mudsinks.

Damage to horticulture and standing crops in some areas due to inundation.

It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

Action Suggested

Check for traffic congestion on your route before leaving for your destination.

Follow any traffic advisories that are issued in this regard.

Avoid going to areas that face the water logging problems often.

Avoid staying in vulnerable structure.

Agromet advisories for various parts of the country

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

(Based on the IBF and advisories issued by different AMFUs)

In **East Rajasthan**, postpone sowing of green gram, pearl millet, cluster bean and sesame till cessation of heavy rains and make arrangement for removal of excess water from already sown fields in **Sub Humid Southern Plain and Aravali Hill Zone** and **Flood Prone Eastern Plain Zone**. In **Southern Humid Plain Zone**, postpone sowing of maize till cessation of heavy rains and ensure proper drainage in cotton and soybean fields to remove excess water. Make provision to drain out excess water from rice nurseries, fields of maize, soybean and black gram in **Southeastern Humid Plain zone** and fields of pearl millet and groundnut in **Semi Arid Eastern Plain Zone**.

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In **Madhya Pradesh**, provide adequate drainage in the fields of soybean and maize in **Malwa Plateau Zone**; rice, maize and soybean in **Kymore Plateau and Satpura Hill Zone**; soybean, rice, maize and pigeon pea in **Vindhyan Plateau Zone**; rice and vegetables in **Bundelkhand Zone**; maize, soybean, cotton, sugarcane and vegetables in **Satpura Plateau Zone**; soybean, maize, cotton and black gram in **Jhabua Hills Zone**; rice, soybean, maize, sugarcane and vegetables in **Central Narmada Valley Zone** and soybean, pigeon pea, cotton and vegetables in **Nimar Valley Zone**. In **Gird Zone**, postpone sowing of pearl millet and make arrangement to drain out excess water in fields of soybean, pigeon pea and transplanted rice.

In **Chhattisgarh**, avoid sowing of pigeon pea during spells of heavy rainfall. Drain out excess water from rice nurseries, fields of soybean, pigeon pea, green gram, black gram, maize, sugarcane and vegetables in **Plain Zone**; fields of rice, minor millets, maize, pulses and oilseeds in **Bastar Plateau Zone** and fields of pigeon pea, vegetables and transplanted rice in **North Hill Zone**.

In **Maharashtra**, make arrangement to drain out excess water from rice, finger millet, turmeric, groundnut and newly planted coconut, arecanut, mango and cashew in **Konkan**; rice and finger millet fields in **ghat areas** of **Madhya Maharashtra**; soybean, pearl millet, turmeric, sugarcane, orchards and vegetables in **Marathwada** and rice nurseries, orchards, vegetable nurseries, transplanted rice fields and already sown *kharif* crops like soybean, cotton and pigeon pea in **East Vidarbha**. Postpone transplanting of rice in **ghat areas** of **Pune** and **Nashik** districts and **Raigad** and **Palghar** districts.

In **Gujarat**, make necessary arrangements to drain out excess water from fields of groundnut, maize, pearl millet, green gram and sesame in **North Gujarat Zone**; transplanted rice, cotton, pearl millet, pigeon pea, soybean and vegetables in **Middle Gujarat Zone**; sugarcane, rice and vegetables in **South Gujarat Heavy Rainfall Zone** and sugarcane, cotton, pigeon pea, transplanted rice and vegetables in **South Gujarat Zone**.

In **Uttarakhand**, maintain proper drainage channels in fields of rice in **Bhabar and Tarai Zone**, black gram in **Hill Zone** and rice, barnyard millet, finger millet and cucumber in **Sub Humid SubTropic Zone**.

In **Karnataka**, postpone nursery sowing of rice and provide drainage in arecanut fields and banana orchards in **Coastal Zone**. In **Hill Zone**, make arrangements to drain out excess water from rice nurseries, fields of maize, cotton, ginger and plantations of arecanut. In **Southern Transition Zone**, provide proper drainage in arecanut and coconut fields. In **Southern Dry Zone**, provide staking / support to maize, tomato and banana crop. Ensure proper drainage to prevent waterlogging especially in rice, vegetables and spice crops.

In **Kerala**, provide adequate drainage in fields of rice, coconut, banana and ginger. Postpone nursery / transplanting of rice. Provide staking in vegetables.

In **Arunachal Pradesh**, harvest matured soybean immediately and store in safer place. Postpone sowing / transplanting of millet and transplanting of rice during heavy rainfall. Maintain drainage in already sown / transplanted finger millet, orchards, fields of vegetables and transplanted rice.

In **Assam**, to avoid waterlogging ensure proper drainage in fields of *Sali* rice, sugarcane, sesame and fruit orchards in **Hill Zone**; jute and *Sali* rice fields in **Lower Brahmaputra Valley Zone**; *Sali* rice fields and arecanut plantations in **Upper Brahmaputra Valley Zone**; *Sali* rice fields in **Barak Valley Zone** and *Sali* rice nurseries, fields of maize, jute, sugarcane, vegetables and transplanted *Sali* rice in **Central Brahmaputra Valley Zone**.

In **Meghalaya**, avoid sowing of rice in nurseries especially in valley lands. Maintain proper drainage channels around the nursery beds. Make provision for draining out excess water from vegetable fields and repair bunds in lowland paddy fields.

In **Tripura**, drain out excess water from early transplanted *Sali* rice fields. Clean the drainage channels in rice and vegetable fields to ensure quick removal of excess water.

In **Manipur**, provide adequate drainage in fields of soybean, groundnut, finger millet, maize, black gram, ginger, turmeric, vegetables and fruit orchards.

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In **Nagaland**, provide proper drainage channels in fields of maize and ginger to avoid water stagnation.

In **Mizoram**, harvest matured cobs of maize. Create strong bunds around rice fields to retain rainwater and reduce runoff.

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.

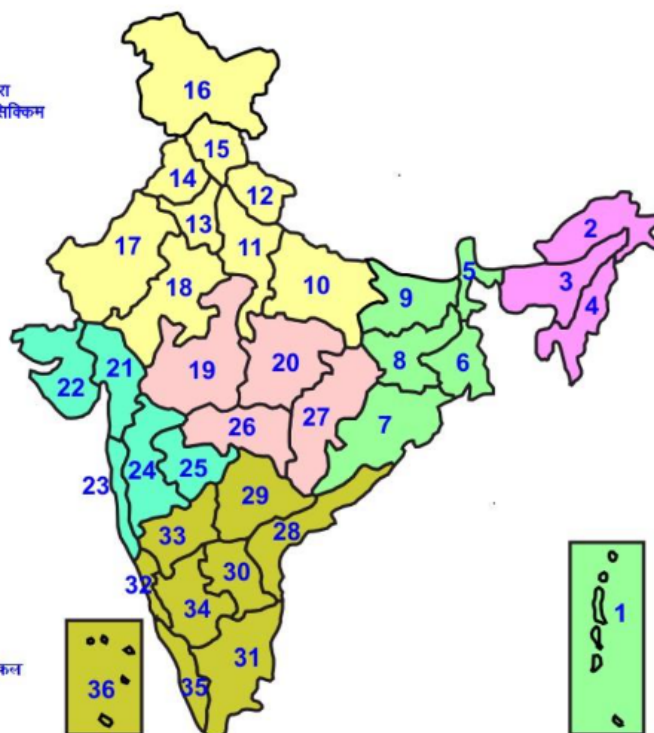
Agromet advisories for likely impact of Thunderstorm / Gusty Winds / Squally Winds

(Based on the IBF and advisories issued by different AMFUs)

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 चंडीगढ़ 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 मराठावाड़ा
- 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. Marathwada
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


 Thunderstorm & Lightning


 Strong surface winds


 Cold Wave


 Hot & Humid


 Very Heavy Rain


 Hailstorm


 Heat Wave


 Cold Day


 Extremely Heavy Rain


 Dust Storm


 Hot Day

 Ground Frost

 Heavy Snow

 Dust Raising Winds

 Warm Night

 Fog

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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 at least 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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