

2026-07-20

Time of Issue: 08:09:00 hours IST
(Morning)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather forecast and Warnings:

Northwest India:

- **Fairly Widespread to Widespread** rainfall likely over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand during 20th-26th July.
- **Fairly Widespread to Widespread** rainfall likely over Haryana Chandigarh & Delhi and Punjab during 20th-23rd July; Uttar Pradesh during 20th-24th July; East Rajasthan during 23rd-26th July.
- **Isolated to Scattered** rainfall likely over Haryana Chandigarh & Delhi and Punjab during 24th-26th July; Uttar Pradesh on 25th & 26th July; West Rajasthan during 20th-26th July; East Rajasthan during 20th-22nd July.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 20th-23rd July.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Rajasthan during 20th-26th July.
- Isolated **thunderstorm & lightning** likely over Uttarakhand during 20th-26th July; Uttar Pradesh during 20th-22nd July.
- Isolated **heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 20th-22nd July; Himachal Pradesh during 20th-21st July and on 23rd July; Uttarakhand on 20th July and during 22nd-26th July; Haryana Chandigarh & Delhi and Punjab on 23rd July; Uttar Pradesh during 23rd-26th July; West Rajasthan during 21st-24th July; East Rajasthan during 20th-26th July with isolated **very heavy rainfall** also likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 23rd July; Himachal Pradesh on 22nd July; Uttarakhand on 21st July; Haryana Chandigarh & Delhi, Punjab and Uttar Pradesh during 20th-22nd July.
- **Heavy to very heavy rainfall at few places with extremely heavy rainfall likely at isolated places over Uttarakhand on 20th; Jammu-Kashmir during 20th -22nd and Himachal Pradesh on 20th & 21st July.**

Central India:

- **Isolated to Scattered** rainfall likely over West Madhya Pradesh during 20th-21st July; Vidarbha during 20th-21st July and on 25th & 26th July.
- **Fairly Widespread to Widespread** rainfall likely over West Madhya Pradesh during 22nd-26th July; Chhattisgarh and East Madhya Pradesh during 20th-26th July; Vidarbha during 22nd-24th July.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Madhya Pradesh during 20th-23rd July.
- Isolated **thunderstorm & lightning** likely over Chhattisgarh and Vidarbha during 20th-23rd July.
- Isolated **heavy rainfall** likely over West Madhya Pradesh on 20th July and during 22nd-23rd July; East Madhya Pradesh during 20th-23rd July; Vidarbha during 22nd-23rd July; Chhattisgarh during 20th-23rd July.

East India:

- **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands and Odisha during 20th-26th July; Bihar during 22nd-26th July.
- **Fairly Widespread to Widespread** rainfall likely over Gangetic West Bengal, Jharkhand and Sub-Himalayan West Bengal & Sikkim during 20th-26th July; Bihar during 20th-21st July.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Odisha on 20th July, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Andaman & Nicobar Islands during 20th-24th July; Bihar during 20th-26th July.
- Isolated **thunderstorm & lightning** likely over Sub-Himalayan West Bengal & Sikkim during 20th-26th July.
- Isolated **heavy rainfall** likely over West Bengal & Sikkim and Gangetic West Bengal during 21st-22nd July; Jharkhand during 20th-21st July; Bihar during 21st-24th July; Odisha during 20th-22nd July with isolated **very heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim and Bihar on 20th July.

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Northeast India:

- **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 20th-26th July.
- Isolated **thunderstorm & lightning** likely over Arunachal Pradesh on 20th July; Assam & Meghalaya during 20th-21st July.
- Isolated **heavy rainfall** likely over Arunachal Pradesh on 20th July and during 24th-26th July; Assam & Meghalaya during 21st-26th July; Nagaland, Manipur, Mizoram & Tripura during 20th-26th July with isolated **very heavy rainfall** also likely over Assam & Meghalaya on 20th July.

West India:

- **Fairly Widespread to Widespread** rainfall likely over Konkan & Goa during 20th-26th July; Madhya Maharashtra during 23rd-24th July; Marathawada on 23rd July.
- **Isolated to Scattered** rainfall likely over Madhya Maharashtra during 20th-22nd July and on 25th & 26th July; Marathawada during 20th-22nd July and during 24th-26th July; Gujarat Region and Saurashtra & Kutch during 20th-26th July.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Madhya Maharashtra and Marathawada on 23rd July.
- Isolated **heavy rainfall** likely over Konkan & Goa and Madhya Maharashtra during 20th-23rd July; Gujarat Region during 20th-26th July;

South Peninsular India:

- **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Interior Karnataka and Telangana during 20th-26th July; Kerala & Mahe and Lakshadweep during 21st-23rd July.
- **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe and Lakshadweep on 20th July and during 24th-26th July; Coastal Karnataka during 20th-26th July.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over North Interior Karnataka and Rayalaseema on 20th July, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Karnataka on 20th July; South Interior Karnataka during 20th-23rd July; Rayalaseema during 21st-23rd July; Telangana during 20th-26th July.
- Isolated **heavy rainfall** likely over Kerala & Mahe on 20th July.

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0530 hours IST of today): **at most places** over Assam & Meghalaya, Uttarakhand, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Jharkhand, East Uttar Pradesh, Arunachal Pradesh, Himachal Pradesh, Jammu & Kashmir and Ladakh, West Uttar Pradesh, Bihar, Chhattisgarh, Andaman & Nicobar Islands, Konkan & Goa, Madhya Maharashtra, Marathwada, Telangana, Coastal Karnataka, North Interior Karnataka and Kerala & Mahe; **at many places** over Odisha, East Madhya Pradesh, West Madhya Pradesh, Coastal Andhra Pradesh & Yanam, Vidarbha, Rayalaseema, Saurashtra & Kutch, Gujarat Region, Tamilnadu Puducherry & Karaikal and Lakshadweep; **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**: Cherrapunji (dist East Khasi Hills) 26, Guwahati (dist Kamrup Metropolitan) 12, Barapani/shillong (dist East Khasi Hills) 9; **Bihar**: Bhagalpur (dist Bhagalpur) 9.

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

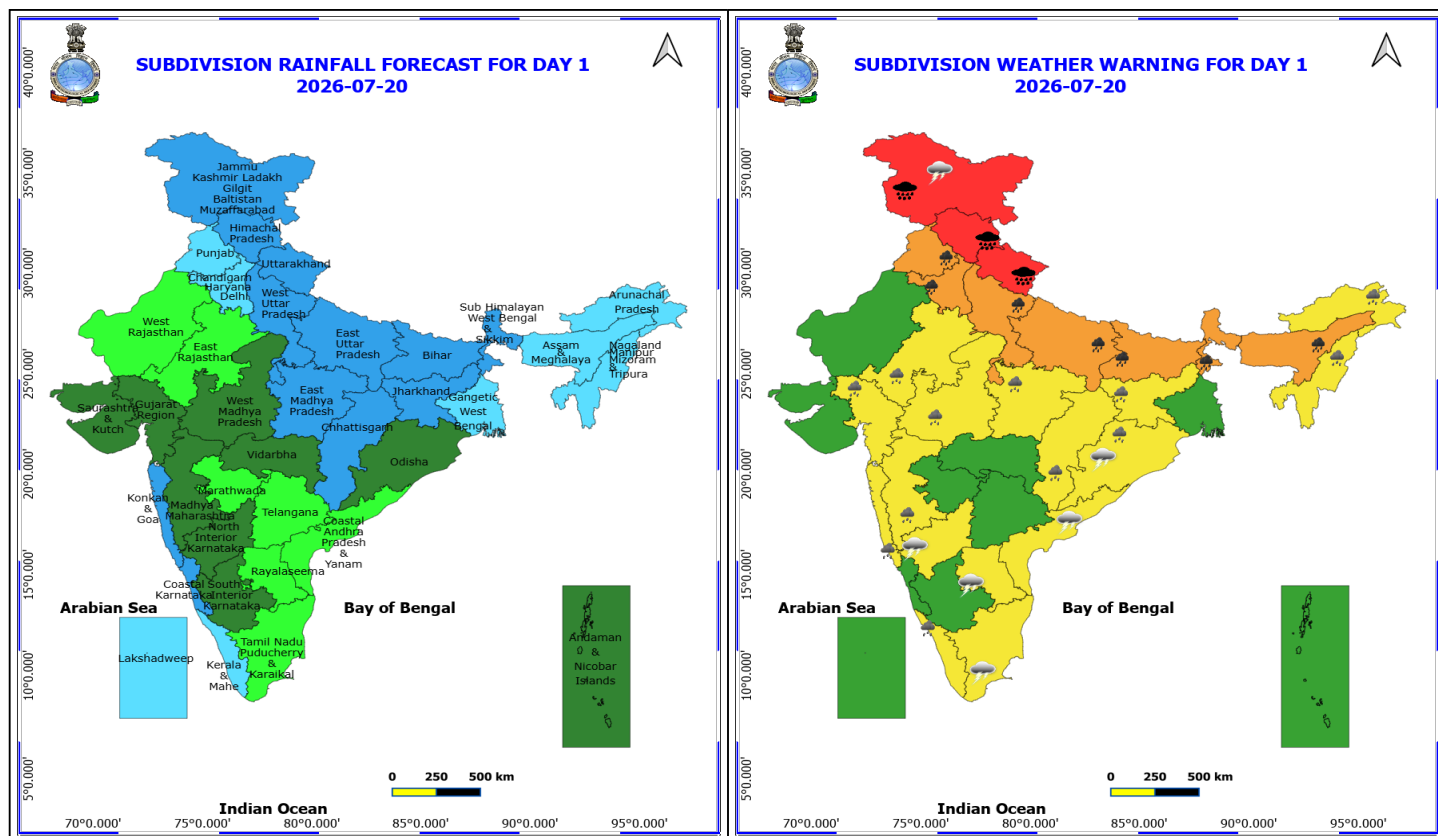
❖ **Minimum Temperature Departures (as on 19-07-2026)**: **markedly above normal(> 5.1°C)** at few places over East Rajasthan; at isolated places over Assam & Meghalaya, Bihar, West Uttar Pradesh, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, West Madhya Pradesh, East Madhya Pradesh and Saurashtra & Kutch. **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 Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha, East Uttar Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, Punjab, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, East Rajasthan, West Madhya Pradesh and Saurashtra & Kutch. **above normal(1.6°C to 3.0°C)** at many places over Andaman & Nicobar Islands, Haryana-Chandigarh-Delhi, Punjab and Coastal Karnataka; at few places over Gangetic West Bengal, Himachal Pradesh, West Rajasthan and Tamil Nadu, Puducherry & Karaikal; at isolated places over Odisha, Bihar, East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Vidarbha, Coastal Andhra Pradesh & Yanam and Rayalaseema. **near normal(-1.5°C to 1.5°C)** at many places over Sub Himalayan West Bengal & Sikkim, Odisha, East Uttar Pradesh, Uttarakhand, Saurashtra & Kutch, Konkan & Goa, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe; at most places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Jharkhand, Bihar, Gujarat Region, Madhya Maharashtra, Marathwada, Chhattisgarh, Rayalaseema, North Interior Karnataka, South Interior Karnataka and Lakshadweep; at few places over Andaman & Nicobar Islands, Assam & Meghalaya, Gangetic West Bengal, West Uttar Pradesh, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, West Madhya Pradesh, East Madhya Pradesh and Coastal Karnataka; at isolated places over Haryana-Chandigarh-Delhi and East Rajasthan. **The lowest minimum temperature** of 10.3°C was reported at MALEGAON (MAHARASHTRA) over the Plains of India.

❖ **Maximum Temperature Departures (as on 19-07-2026)**: **markedly above normal(> 5.1°C)** at isolated places over Vidarbha. **appreciably above normal(3.1°C to 5.0°C)** at isolated places over Odisha, Jharkhand, Haryana-Chandigarh-Delhi, West Rajasthan, East Rajasthan, West Madhya Pradesh, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. **above normal(1.6°C to 3.0°C)** at many places over Coastal Karnataka; at few places over Arunachal Pradesh, Punjab, Gujarat Region and South Interior Karnataka; at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, Saurashtra & Kutch, Marathwada, Telangana and North Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at many places over Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Madhya Maharashtra and Rayalaseema; at most places over Himachal Pradesh, Chhattisgarh and Lakshadweep; at few places over Bihar and East Madhya Pradesh; at isolated places over Nagaland, Manipur, Mizoram & Tripura, East Uttar Pradesh, West Uttar Pradesh and Uttarakhand. **The highest maximum temperature** of 41.6°C was reported at CHURU (RAJASTHAN).



Meteorological Analysis (Based on 0530 hours IST)

- The **Monsoon trough** at mean sea level now passes through Ganganagar, Delhi, Lucknow, Ranchi, Digha and thence southeastwards towards Northeast Bay of Bengal.
- The **upper air cyclonic circulation** over North Punjab & adjoining Pakistan now lies over Punjab & neighbourhood and extends upto 1.5 km above mean sea level.
- An **upper air cyclonic circulation** lies over Southwest Uttar Pradesh & neighbourhood at 3.1 km above mean sea level.
- The **upper air cyclonic circulation** over East Uttar Pradesh & neighbourhood now lies over Southeast Uttar Pradesh & neighbourhood and extends upto 1.5 km above mean sea level.
- The **upper air cyclonic circulation** over North Jharkhand and adjoining Bihar extending upto 1.5 km above mean sea level has merged with the above system.
- The **upper air cyclonic circulation** over southwest Rajasthan & neighbourhood at 3.1 km above mean sea level persists.
- The **upper air cyclonic circulation** over Southwest Madhya Pradesh & neighbourhood persists and now seen between 4.5 & 5.8 km above mean sea level.
- The **upper air cyclonic circulation** over North Coastal Andhra Pradesh & adjoining South Chhattisgarh now lies over south Chhattisgarh & adjoining Telangana at 5.8 km above mean sea level.
- The **upper air cyclonic circulation** over Central Assam & adjoining Nagaland between 1.5 & 3.1 km above mean sea level persists.
- An **upper air cyclonic circulation** lies over Westcentral Bay of Bengal & adjoining Coastal Andhra Pradesh between 5.8 & 7.6 km above mean sea level.
- The **trough** from North Bihar to Northwest Bay of Bengal across Jharkhand and Gangetic west Bengal between 1.5 & 3.1 Km above mean sea level has become less marked.



20 July (Day 1)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Bihar, Haryana, Chandigarh & Delhi, Punjab, Sub Himalayan West Bengal & Sikkim and Uttar Pradesh.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Chhattisgarh, East Rajasthan, Gujarat Region, Jharkhand, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura and Odisha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, North Interior Karnataka, Odisha and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Coastal Karnataka, Madhya Pradesh, Rajasthan, South Interior Karnataka and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Sub Himalayan West Bengal & Sikkim, Uttar Pradesh, Uttarakhand and Vidarbha.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail over most parts of west central adjoining few parts of east central and some parts of north and south west Arabian Sea and, along and off Somalia, Oman and North Gujarat Coasts.
- ❖ **Bay of Bengal:** Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off

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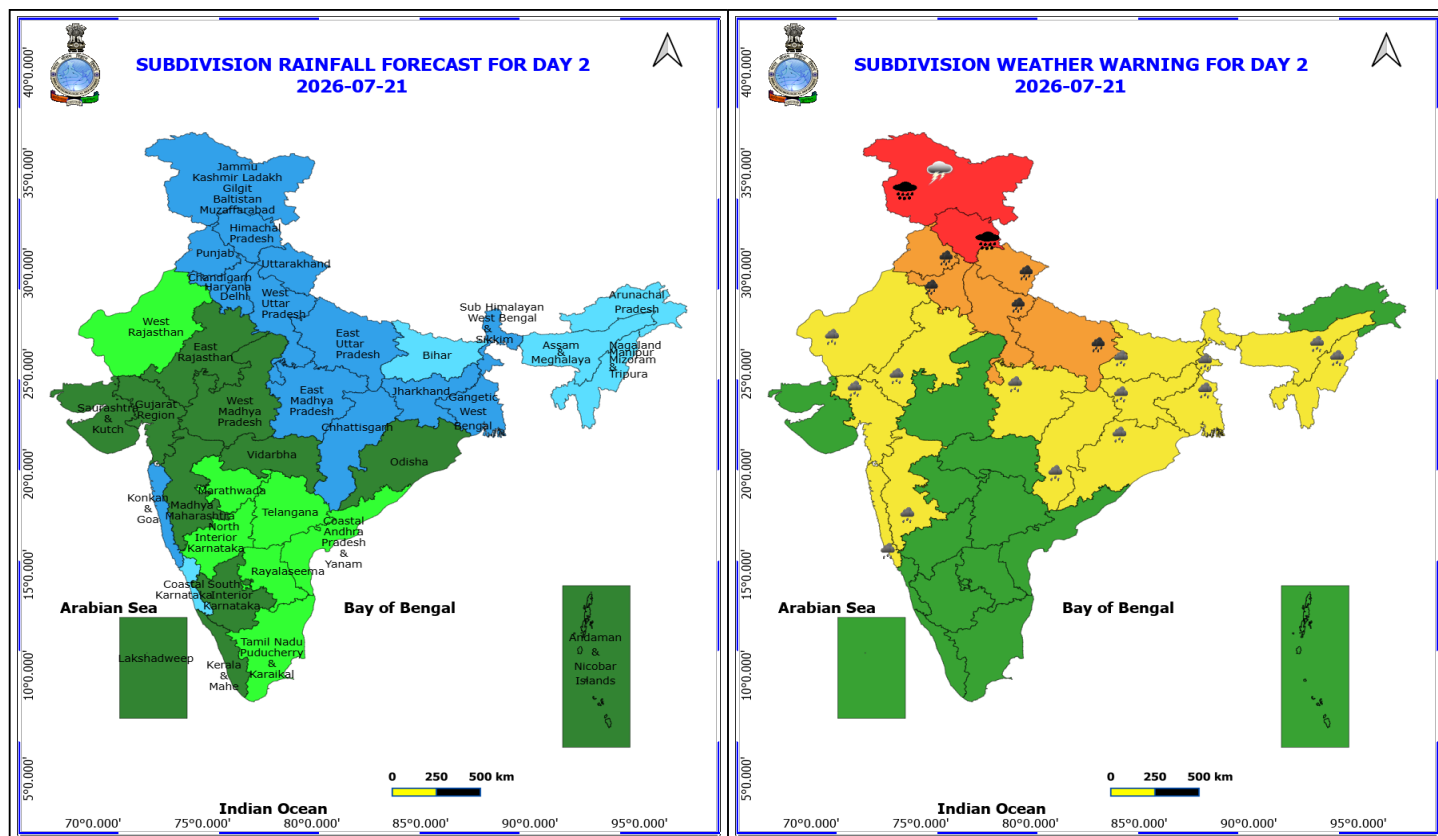
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North Tamil Nadu coast adjoining some parts of southwest and west central Bay of Bengal.



21 July (Day 2)

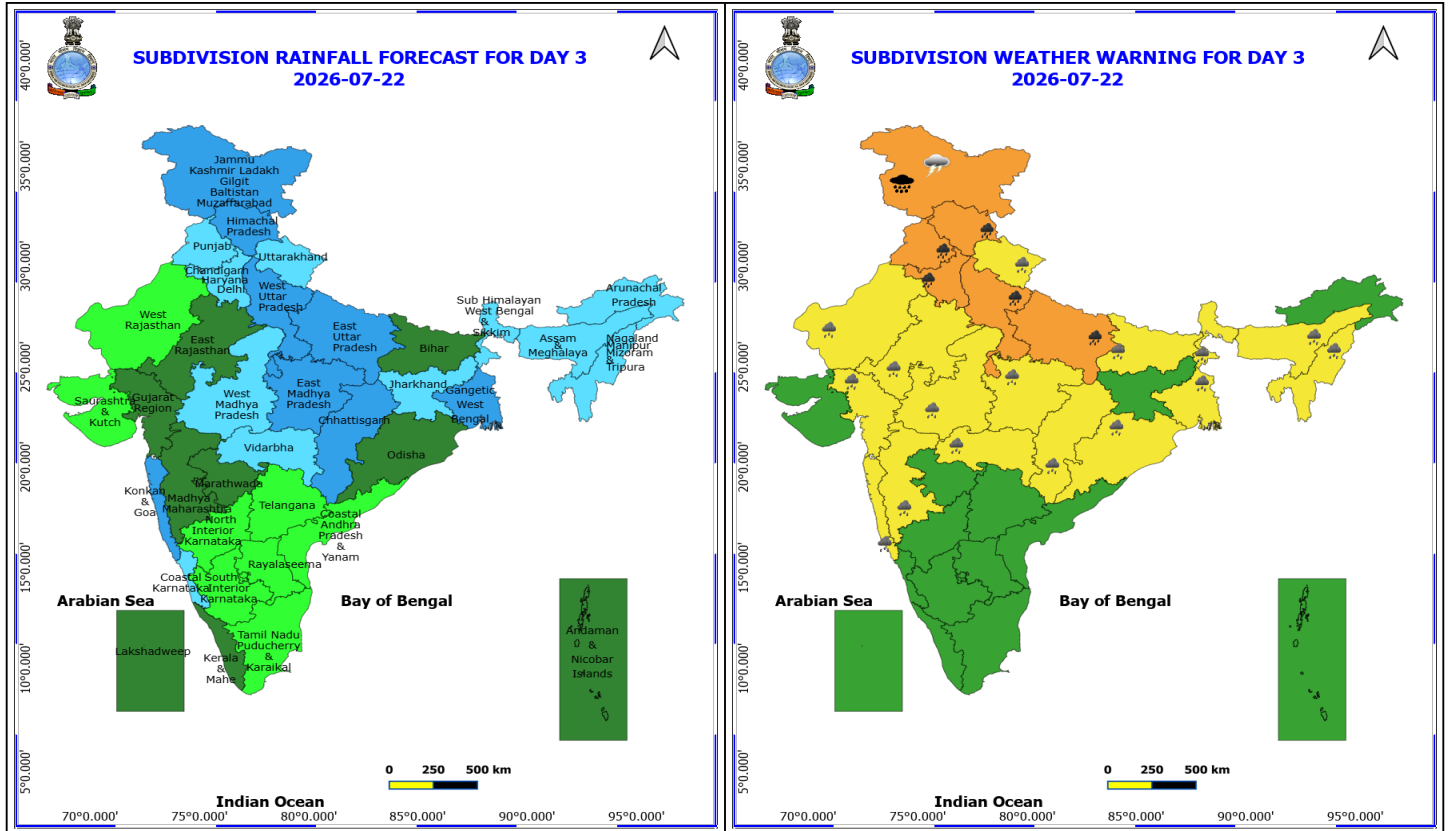
- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Himachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Haryana, Chandigarh & Delhi, Punjab, Uttar Pradesh and Uttarakhand.
- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Bihar, Chhattisgarh, East Madhya Pradesh, Gujarat Region, Jharkhand, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Odisha, Rajasthan and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Madhya Pradesh, Rajasthan, Rayalaseema, South Interior Karnataka and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Assam & Meghalaya, Chhattisgarh, Sub Himalayan West Bengal & Sikkim, Uttar Pradesh, Uttarakhand and Vidarbha.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail over most parts of west central adjoining some parts of east central, north and south west Arabian Sea and, along and off Somalia, Oman, Gujarat and North Maharashtra Coasts.
- ❖ **Bay of Bengal:** Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off Andhra Pradesh coast adjoining many parts of west central and few parts of southwest Bay of Bengal.

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22 July (Day 3)

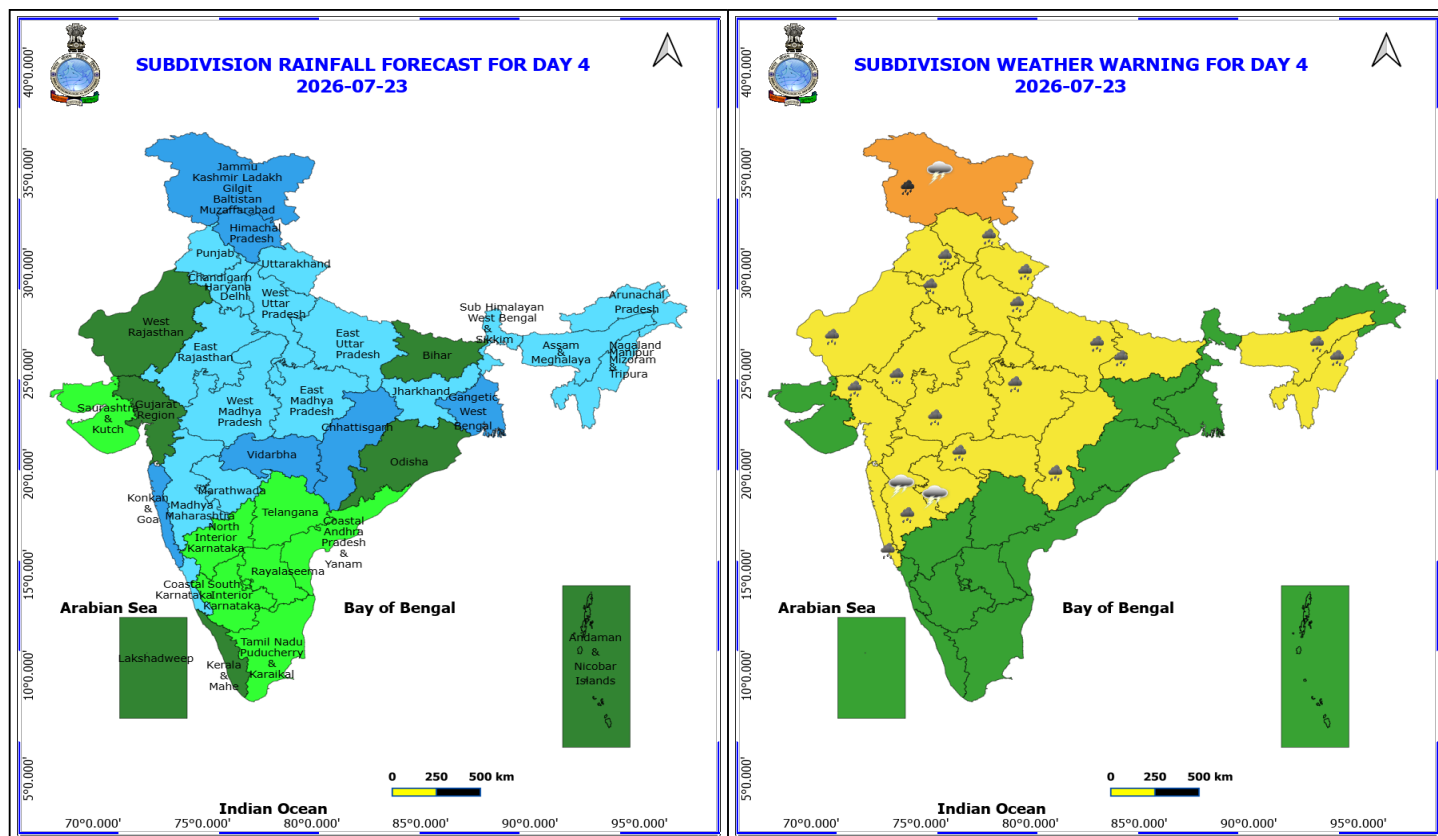
- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh, Punjab and Uttar Pradesh.
- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Bihar, Chhattisgarh, Gujarat Region, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Odisha, Rajasthan, Uttarakhand, Vidarbha and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Madhya Pradesh, Rajasthan, Rayalaseema, South Interior Karnataka and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Chhattisgarh, Sub Himalayan West Bengal & Sikkim, Uttar Pradesh, Uttarakhand and Vidarbha.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail over most parts of west central adjoining some parts of east central, north and south west Arabian Sea and, along and off Somalia, Oman, Gujarat and North Maharashtra Coasts.

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23 July (Day 4)

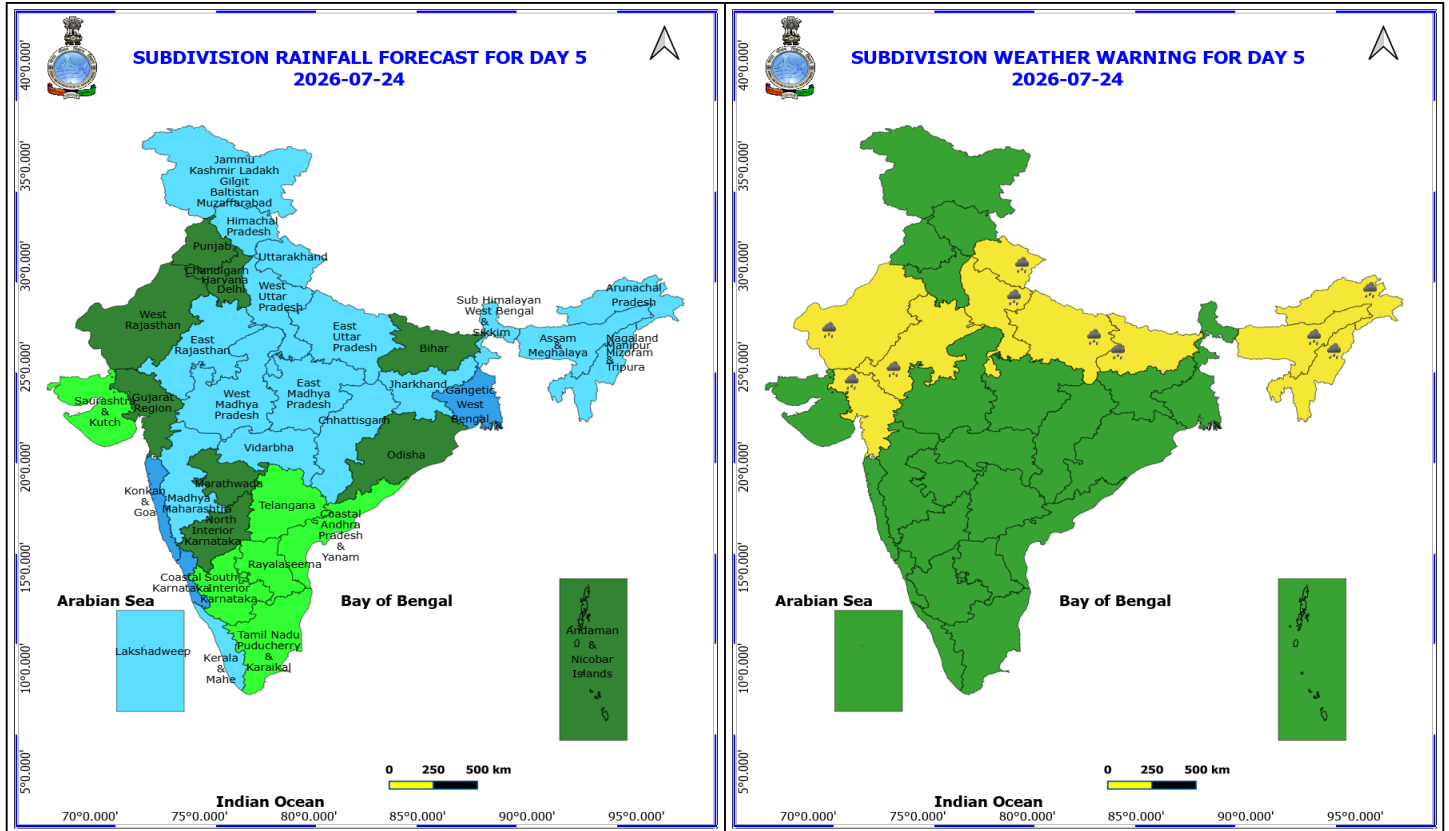
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Heavy Rainfall** likely at isolated places over Assam & Meghalaya, Bihar, Chhattisgarh, Gujarat Region, Haryana, Chandigarh & Delhi, Himachal Pradesh, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Punjab, Rajasthan, Uttar Pradesh, Uttarakhand and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Madhya Maharashtra and Marathwada.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Madhya Pradesh, Rajasthan, Rayalaseema, South Interior Karnataka and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Chhattisgarh, Sub Himalayan West Bengal & Sikkim, Uttarakhand and Vidarbha.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail over most parts of west central adjoining some parts of east central, north and south west Arabian Sea and, along and off Somalia, Oman, Gujarat and North Maharashtra Coasts.

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24 July (Day 5)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Gujarat Region, Nagaland, Manipur, Mizoram and Tripura, Rajasthan, Uttar Pradesh and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Rajasthan and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Sub Himalayan West Bengal & Sikkim and Uttarakhand.

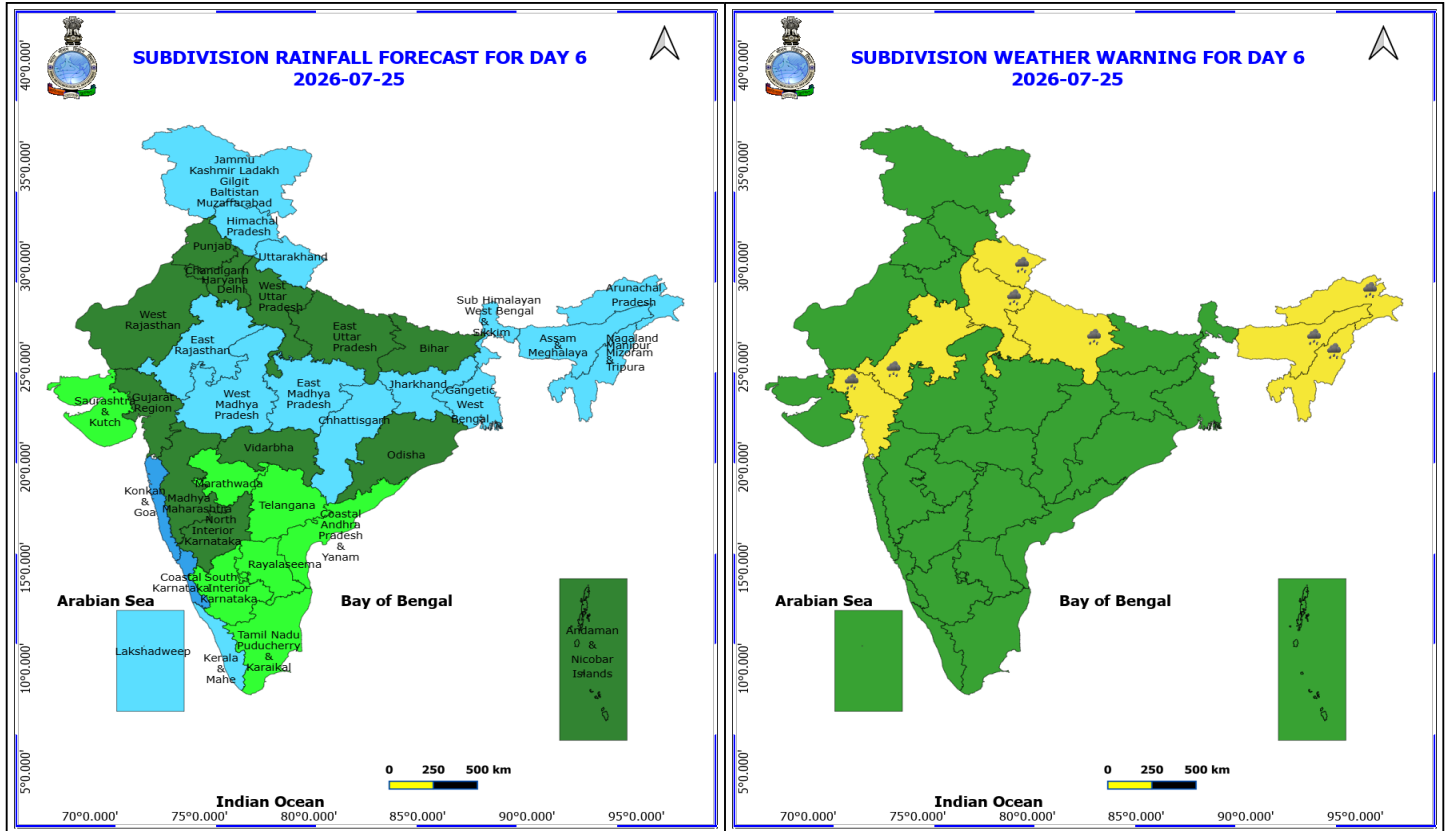
No Fishermen Warning

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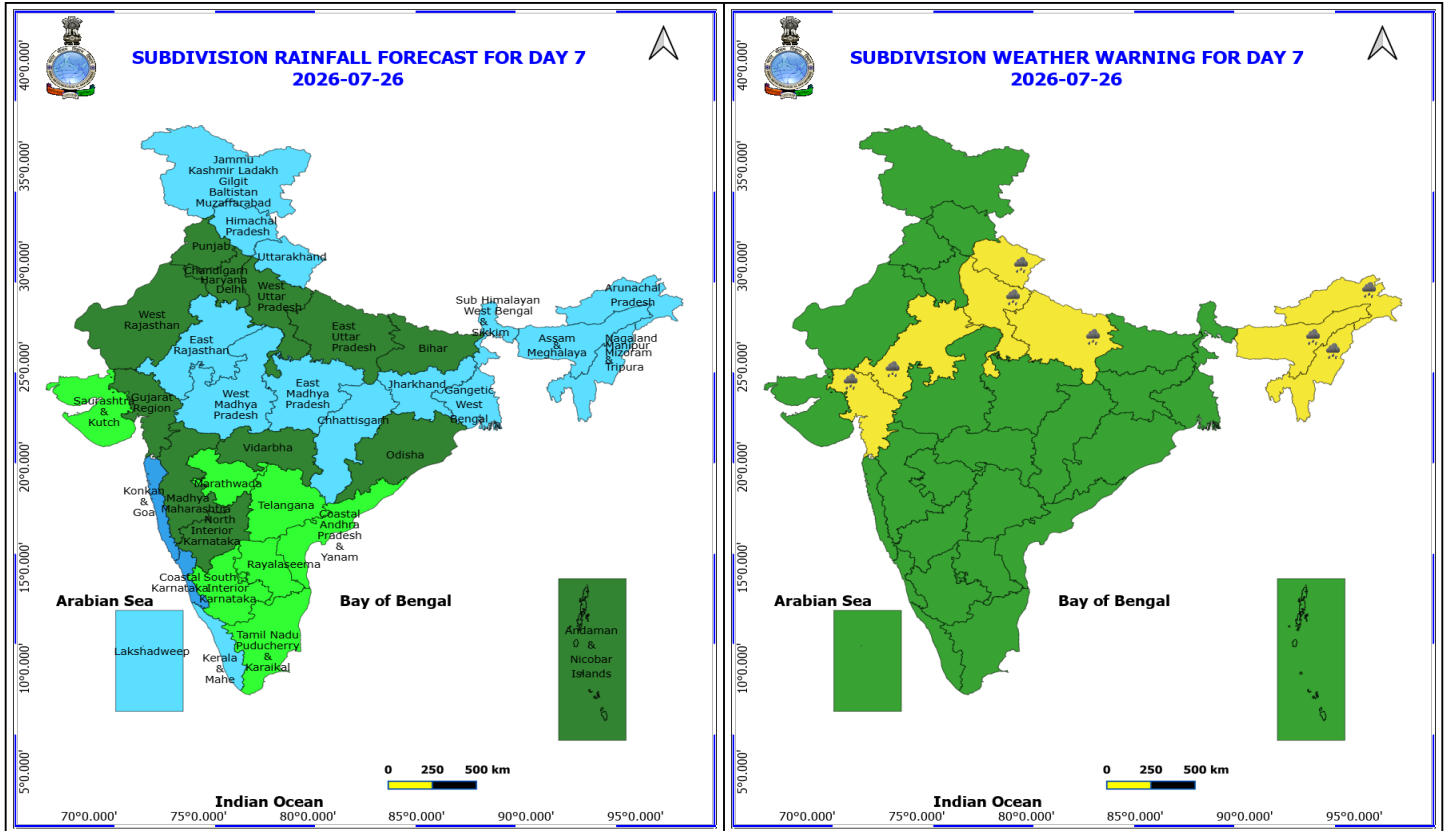
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25 July (Day 6)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, East Rajasthan, Gujarat Region, Nagaland, Manipur, Mizoram and Tripura, Uttar Pradesh and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Rajasthan and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Sub Himalayan West Bengal & Sikkim and Uttarakhand.

No Fishermen Warning



26 July (Day 7)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, East Rajasthan, Gujarat Region, Nagaland, Manipur, Mizoram and Tripura, Uttar Pradesh and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Rajasthan and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Sub Himalayan West Bengal & Sikkim and Uttarakhand.

No Fishermen Warning

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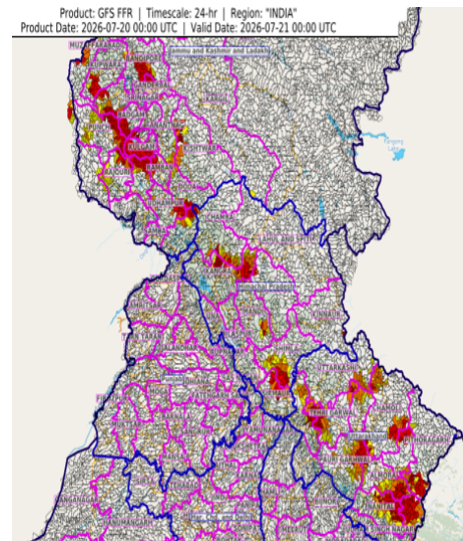
Flash Flood Warnings

Flash Flood Risk (FFR) till 0530 IST of 21-07-2026:

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

- **Jammu & Kashmir & Ladakh:** Bandipora, Kupwara, Poonch, Muzaffarabad, Mirpur, Baramulla, Badgam, Ganderbal, Kulgam, Shopian, Rajouri, Udhampur, Doda, Kathua, Ramban, Anantnag and Kistwar districts.
- **Himachal Pradesh:** Chamba, Kangra, Mandi, Kullu, Shimla and Sirmour districts.
- **Uttarakhand:** Dehradun, Garhwal Tehri, Uttarkashi, Rudrapur, Garhwal Pauri, Chamoli, Bageshwar, Almora, Champawat, Nainital and Pithoragarh 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.



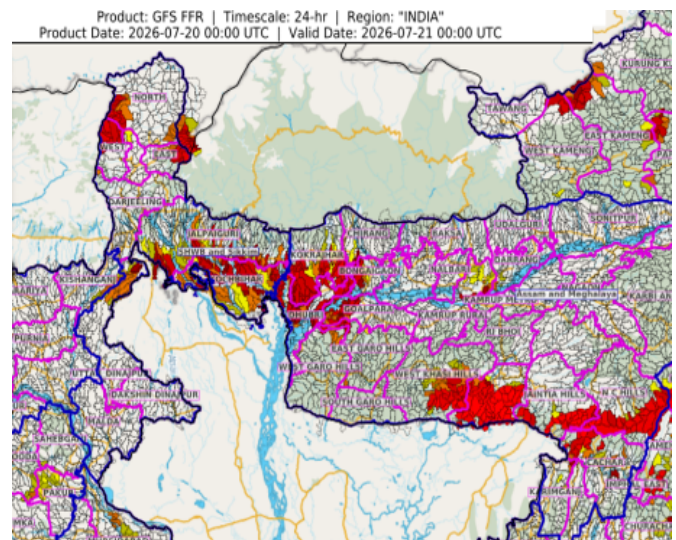
Flash Flood Risk (FFR) till 0530 IST of 21-07-2026:

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

Sub-Himalayan West Bengal & Sikkim: North District (Mangan), East District (Gangtok) and West District (Gyalshing), Jalpaiguri, Cooch Behar and Darjeeling districts

Assam & Meghalaya: Kokrajhar, Goalpara, Dhubri, Bongaigaon, Kamrup Rural, NC Hills, Karimganj, Nalbari and Cachar, West Garo Hills, East Garo Hills, West Khasi Hills, East Khasi Hills and West Jaintia Hills 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	20- Jul	21- Jul	22- Jul	23- Jul	24- Jul	25- Jul	26- Jul
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	SCT	SCT	SCT	SCT	SCT	SCT	SCT
2	ARUNACHAL PRADESH	FWS	FWS	FWS	FWS	FWS	FWS	FWS
3	ASSAM & MEHGHALAYA	FWS	FWS	FWS	FWS	FWS	FWS	FWS
4	N. M. M. & T.	FWS	FWS	FWS	FWS	FWS	FWS	FWS
5	S.H. WEST BENGAL & SIKKIM	WS	WS	FWS	FWS	FWS	FWS	FWS
6	GANGETIC WEST BENGAL	FWS	WS	WS	WS	WS	FWS	FWS
7	ODISHA	SCT	SCT	SCT	SCT	SCT	SCT	SCT
8	JHARKHAND	WS	WS	FWS	FWS	FWS	FWS	FWS
9	BIHAR	WS	FWS	SCT	SCT	SCT	SCT	SCT
10	EAST UTTAR PRADESH	WS	WS	WS	FWS	FWS	SCT	SCT
11	WEST UTTAR PRADESH	WS	WS	WS	FWS	FWS	SCT	SCT
12	UTTARAKHAND	WS	WS	FWS	FWS	FWS	FWS	FWS
13	HARYANA, CHD & DELHI	FWS	WS	FWS	FWS	SCT	SCT	SCT
14	PUNJAB	FWS	WS	FWS	FWS	SCT	SCT	SCT
15	HIMACHAL PRADESH	WS	WS	WS	WS	FWS	FWS	FWS
16	JAMMU AND KASHMIR AND LADAKH	WS	WS	WS	WS	FWS	FWS	FWS
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
18	EAST RAJASTHAN	ISOL	SCT	SCT	FWS	FWS	FWS	FWS
19	WEST MADHYA PRADESH	SCT	SCT	FWS	FWS	FWS	FWS	FWS
20	EAST MADHYA PRADESH	WS	WS	WS	FWS	FWS	FWS	FWS
21	GUJRAT REGION	SCT	SCT	SCT	SCT	SCT	SCT	SCT
22	SAURASHTRA & KUTCH	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
23	KONKAN & GOA	WS	WS	WS	WS	WS	WS	WS
24	MADHYA MAHARASHTRA	SCT	SCT	SCT	FWS	FWS	SCT	SCT
25	MARATHWADA	ISOL	ISOL	SCT	FWS	SCT	ISOL	ISOL
26	VIDARBHA	SCT	SCT	FWS	WS	FWS	SCT	SCT
27	CHATTISGARH	WS	WS	WS	WS	FWS	FWS	FWS
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	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	WS	FWS	FWS	FWS	WS	WS	WS
33	NORTH INTERIOR KARNATAKA	SCT	ISOL	ISOL	ISOL	SCT	SCT	SCT
34	SOUTH INTERIOR KARNATAKA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
35	KERALA	FWS	SCT	SCT	SCT	FWS	FWS	FWS
36	LAKSHDWEEP	FWS	SCT	SCT	SCT	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 2026-07-19

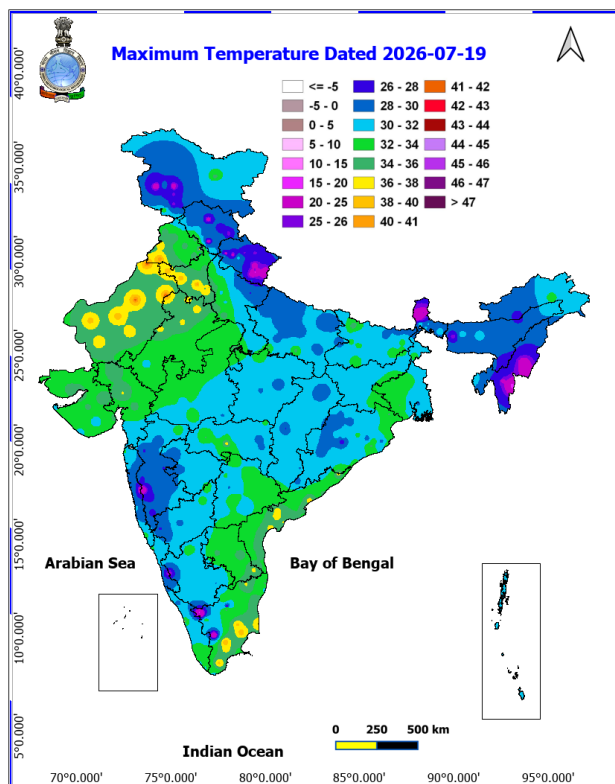


Fig. 2: Departure of Maximum Temp. Dated 2026-07-19

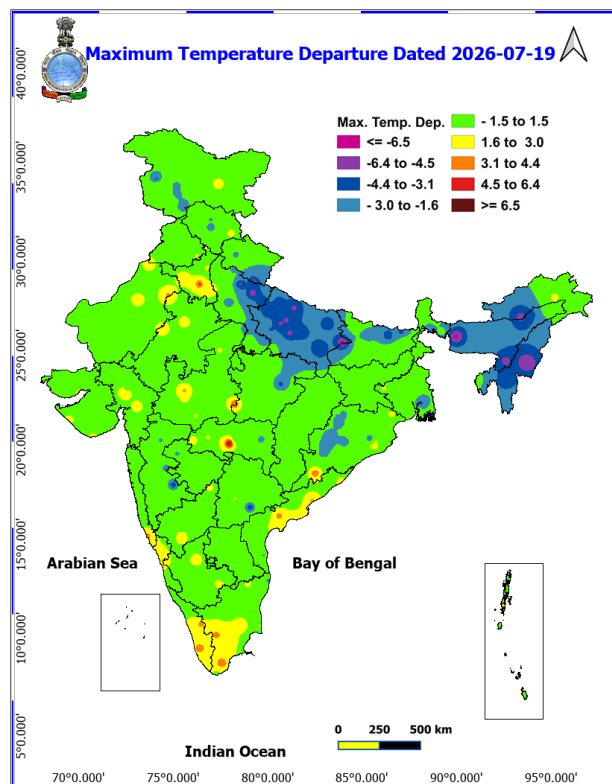


Fig. 3: Minimum Temperatures Dated 2026-07-19

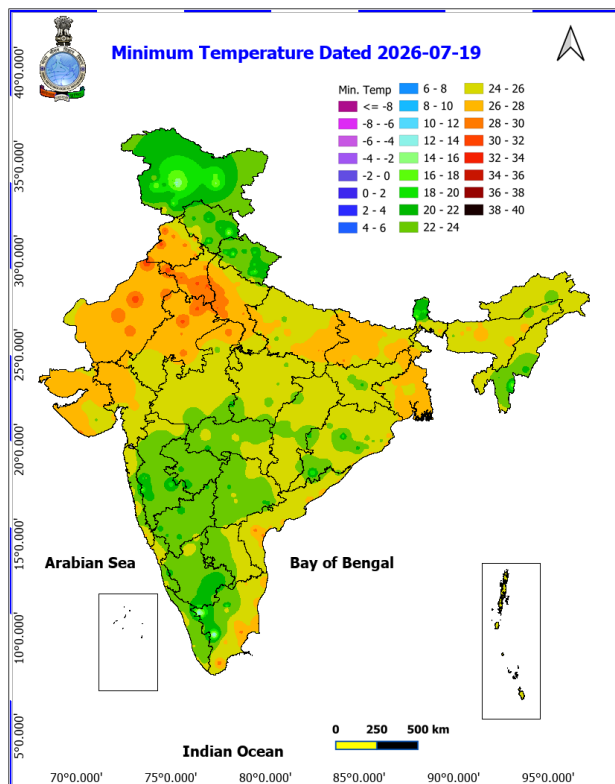
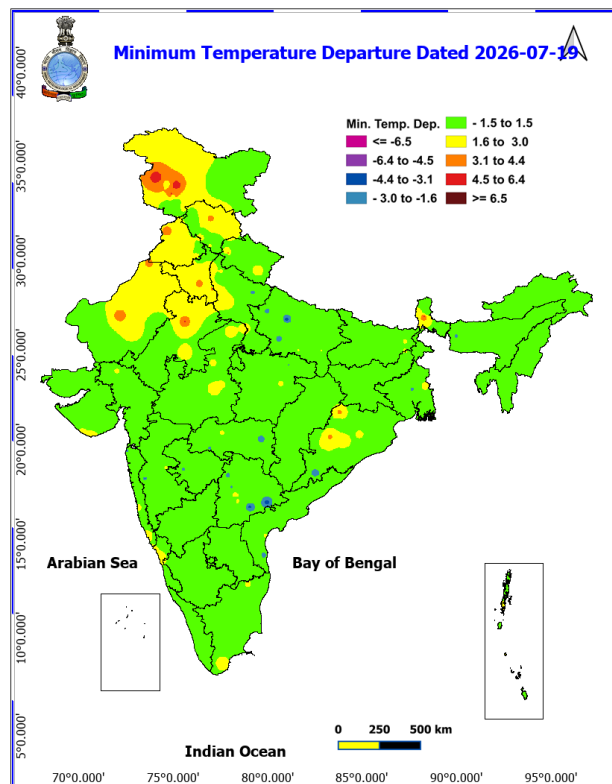
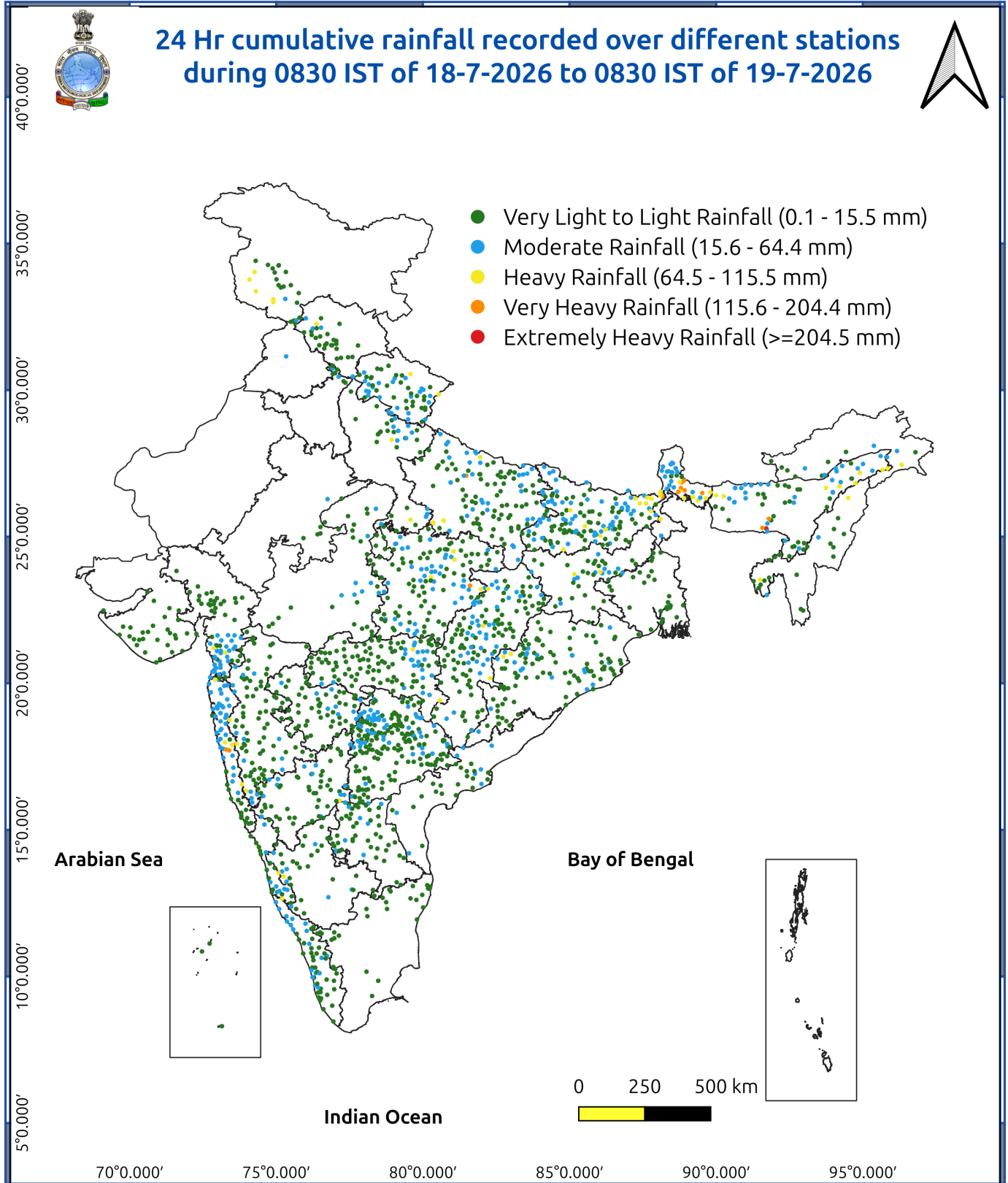


Fig. 4: Departure of Minimum Temp. Dated 2026-07-19





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Impact and Actions

Impact Expected & Action Suggested due to heavy/very heavy/extremely heavy rainfall

- Heavy to very heavy rainfall at few places with extremely heavy rainfall likely at isolated places over Uttarakhand on 20th; Jammu-Kashmir during 20th-22nd; Himachal Pradesh on 20th & 21st July.

Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas.
- 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/landslides/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 Rainfall:

- In **Assam**, maintain continuous and effective drainage of excess rainwater from sugarcane, soybean, pigeon pea, jute, sesame fields and fruit orchards to prevent prolonged waterlogging. Harvest mature crops wherever field conditions permit.
- In **Meghalaya**, maintain effective drainage in rice nursery beds and fields of maize, cowpea, okra and ginger. Strengthen nursery bunds and field channels to prevent runoff, seedling washout and waterlogging.
- In **Sub Himalayan West Bengal**, ensure continuous and effective drainage in rice nurseries, jute, ginger and vegetable fields to prevent prolonged waterlogging. Inspect and strengthen bunds around rice nurseries and harvest mature tea leaves and vegetables wherever field conditions permit.
- In **Sikkim**, ensure proper drainage in rice nurseries and standing crop fields to prevent waterlogging.
- In **Arunachal Pradesh**, ensure continuous drainage of excess rainwater from rice, maize, soybean and finger millet fields to prevent prolonged waterlogging.
- In **Nagaland, Manipur, Mizoram and Tripura** ensure continuous and effective drainage and remove any accumulated rainwater from soybean, black gram, ginger, turmeric, cole crop and vegetable fields to prevent residual waterlogging.
- In **Jharkhand**, ensure proper drainage in standing crop fields to prevent waterlogging. Postpone irrigation, fertilizer and plant protection operations until field conditions improve.
- In **Bihar**, ensure continuous drainage in rice, maize, sesame and pigeon pea fields to prevent prolonged waterlogging. Postpone irrigation, fertilizer and plant protection operations until field conditions improve.
- In **Odisha**, maintain continuous drainage and keep field channels clear to prevent prolonged waterlogging in rice, maize, pulses, oilseed and vegetable fields. Postpone irrigation, fertilizer and plant protection operations until field conditions become suitable.
- In **Uttarakhand**, postpone sowing of groundnut, soybean and maize. Ensure proper drainage in rice, tomato and chilli fields to prevent waterlogging. Harvest mature tomato only during rain-free periods.
- In **Himachal Pradesh**, ensure proper drainage in maize, finger millet, cucurbit, tomato and capsicum fields to prevent waterlogging. Harvest mature crops wherever field conditions permit.
- In **Keralam**, provide adequate drainage facilities in banana, coconut, cardamom, ginger, black pepper and

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vegetables.

- In **Chhattisgarh**, maintain continuous drainage in rice nurseries and standing fields of maize, soybean, pigeon pea and minor millets to prevent prolonged waterlogging. Postpone irrigation, fertilizer and plant protection operations until field conditions improve.
- In the regions expecting heavy rainfall, including **Jammu & Kashmir, Punjab, Haryana Konkan & Goa and Madhya Maharashtra** withhold irrigation in standing crops, make necessary arrangements to remove excess rain water from the crop fields.
- In **Uttar Pradesh**, ensure proper drainage in rice, maize, sesame and pigeon pea fields to prevent waterlogging. Postpone irrigation, fertilizer and plant protection operations until field conditions improve.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface 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.

Livestock / Poultry / Fisheries

- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store the feed and fodder in a safe place to prevent spoilage.
- In regions with high temperatures and heat wave conditions, provide clean, cool drinking water to animals, and cover the roofs of poultry sheds with grass to reduce the adverse effects of heat.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.

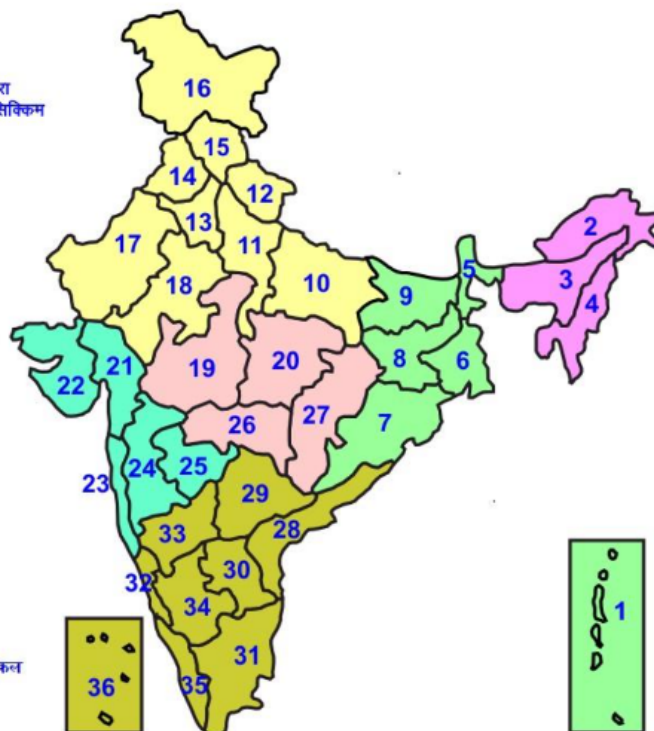
Legends & abbreviations:

Region wise classification of meteorological Sub-Divisions:

- **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana Chandigarh & Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **West India:** Gujarat Region, Saurashtra & Kutch, Coastal Maharashtra (Konkan) & Goa, Madhya Maharashtra and Marathawada.
- **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

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. 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

 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 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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