



2026-07-16

Time of Issue: 08:19:00 hours IST
(Morning)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather forecast and Warnings:

Northwest India:

- **Isolated to Scattered** rainfall likely over Himachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 16th-17th July; Uttarakhand on 16th July.
- **Isolated to Scattered** rainfall likely over Punjab during 16th-19th July; Haryana Chandigarh & Delhi during 16th-20th July; West Uttar Pradesh during 16th-18th July; East Uttar Pradesh during 16th-17th July; East Rajasthan and West Rajasthan during 16th-22nd July.
- **Fairly Widespread to Widespread** rainfall likely over Himachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 18th-22nd July; Uttarakhand during 17th-21st July.
- **Fairly Widespread to Widespread** rainfall likely over Punjab during 20th-21st July; Haryana Chandigarh & Delhi on 21st July; West Uttar Pradesh during 19th-21st July; East Uttar Pradesh during 18th-21st July.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 16th-22nd July.
- Isolated **thunderstorm & lightning** likely over Uttarakhand during 16th-22nd July.
- Isolated **heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and West Uttar Pradesh during 19th-21st July; Himachal Pradesh during 18th-19th July; Uttarakhand during 16th-19th July; Haryana Chandigarh & Delhi and Punjab during 20th-21st July; East Uttar Pradesh during 17th-21st July with isolated **very heavy rainfall** also likely over Himachal Pradesh and Uttarakhand during 20th-21st July.

Central India:

- **Isolated to Scattered** rainfall likely over Vidarbha and West Madhya Pradesh during 16th-21st July; East Madhya Pradesh during 16th-19th July.
- **Fairly Widespread to Widespread** rainfall likely over East Madhya Pradesh during 20th-21st July; Chhattisgarh during 16th-22nd July.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over West Madhya Pradesh during 16th-19th July; East Madhya Pradesh during 16th-19th July.
- Isolated **thunderstorm & lightning** likely over Vidarbha during 18th-19th July; Chhattisgarh during 16th-19th July.
- Isolated **heavy rainfall** likely over East Madhya Pradesh during 18th-19th July; Chhattisgarh during 16th-17th July.

East India:

- **Fairly Widespread to Widespread** rainfall likely over Gangetic West Bengal, Jharkhand and Sub-Himalayan West Bengal & Sikkim during 16th-22nd July; Bihar during 17th-20th July; Odisha during 16th-18th July.
- **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands during 16th-21st July; Bihar on 16th July and on 21st July; Odisha during 19th-21st July.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Andaman & Nicobar Islands on 16th July; Gangetic West Bengal during 16th-18th July; Jharkhand during 16th-19th July, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Andaman & Nicobar Islands during 17th-21st July; Gangetic West Bengal during 19th-21st July; Bihar during 16th-22nd July.
- Isolated **thunderstorm & lightning** likely over Sub-Himalayan West Bengal & Sikkim during 16th-21st July.
- Isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 16th-18th July and on 21st July; Gangetic West Bengal during 17th-19th July; Jharkhand during 16th-18th July; Bihar during 16th-17th July and on 21st July; Odisha during 18th-19th July with isolated **very heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim during 19th-20th July; Gangetic West Bengal on 16th July; Bihar during 18th-20th July; Odisha during 16th-17th July.

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- Isolated extremely heavy rainfall likely over Odisha on 16th July.

Northeast India:

- **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 16th-22nd July.
- Isolated **thunderstorm & lightning** likely over Arunachal Pradesh on 16th July; Assam & Meghalaya during 16th-19th July; Nagaland, Manipur, Mizoram & Tripura during 16th-17th July.
- Isolated **heavy rainfall** likely over Arunachal Pradesh during 17th-21st July; Assam & Meghalaya during 16th-21st July; Nagaland, Manipur, Mizoram & Tripura during 16th-19th July with isolated **very heavy rainfall** also likely over Arunachal Pradesh on 16th July.

West India:

- **Fairly Widespread to Widespread** rainfall likely over Konkan & Goa during 16th-22nd July.
- **Isolated to Scattered** rainfall likely over Gujarat Region, Madhya Maharashtra, Marathawada and Saurashtra & Kutch during 16th-22nd July.
- Isolated **thunderstorm & lightning** likely over Madhya Maharashtra and Marathawada on 16th July.

South Peninsular India:

- **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Telangana during 16th-22nd July; Kerala & Mahe on 16th July and on 21st July; Lakshadweep on 17th July and on 21st July; Coastal Karnataka during 16th-17th July; North Interior Karnataka, Rayalaseema and South Interior Karnataka during 16th-21st July.
- **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 17th-20th July; Lakshadweep during 18th-20th July; Coastal Karnataka during 18th-21st July.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Coastal Andhra Pradesh & Yanam during 16th-19th July; Rayalaseema on 16th July, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Karnataka during 16th-22nd July; North Interior Karnataka and South Interior Karnataka during 16th-21st July; Rayalaseema during 17th-19th July; Telangana during 16th-19th July.
- Strong Surface Winds likely over Coastal Karnataka, North Interior Karnataka and South Interior Karnataka during 16th-22nd July; Coastal Andhra Pradesh & Yanam and Telangana during 16th-19th July; Rayalaseema on 16th July.

Heat Wave, Hot & Humid weather and Warm Night conditions warning:

- **Heat wave** conditions very likely in isolated pockets over Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal on 16th July.
- **Hot and humid** weather conditions likely to prevail over Haryana Chandigarh & Delhi and Punjab during 16th-17th July; Coastal Karnataka, East Uttar Pradesh, Telangana and West Uttar Pradesh on 16th July; Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal on 17th July.

Main Weather Observations:

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

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Odisha:** Paradip Port (dist Jagatsinghpur), Puri (dist Puri) 7 Each.

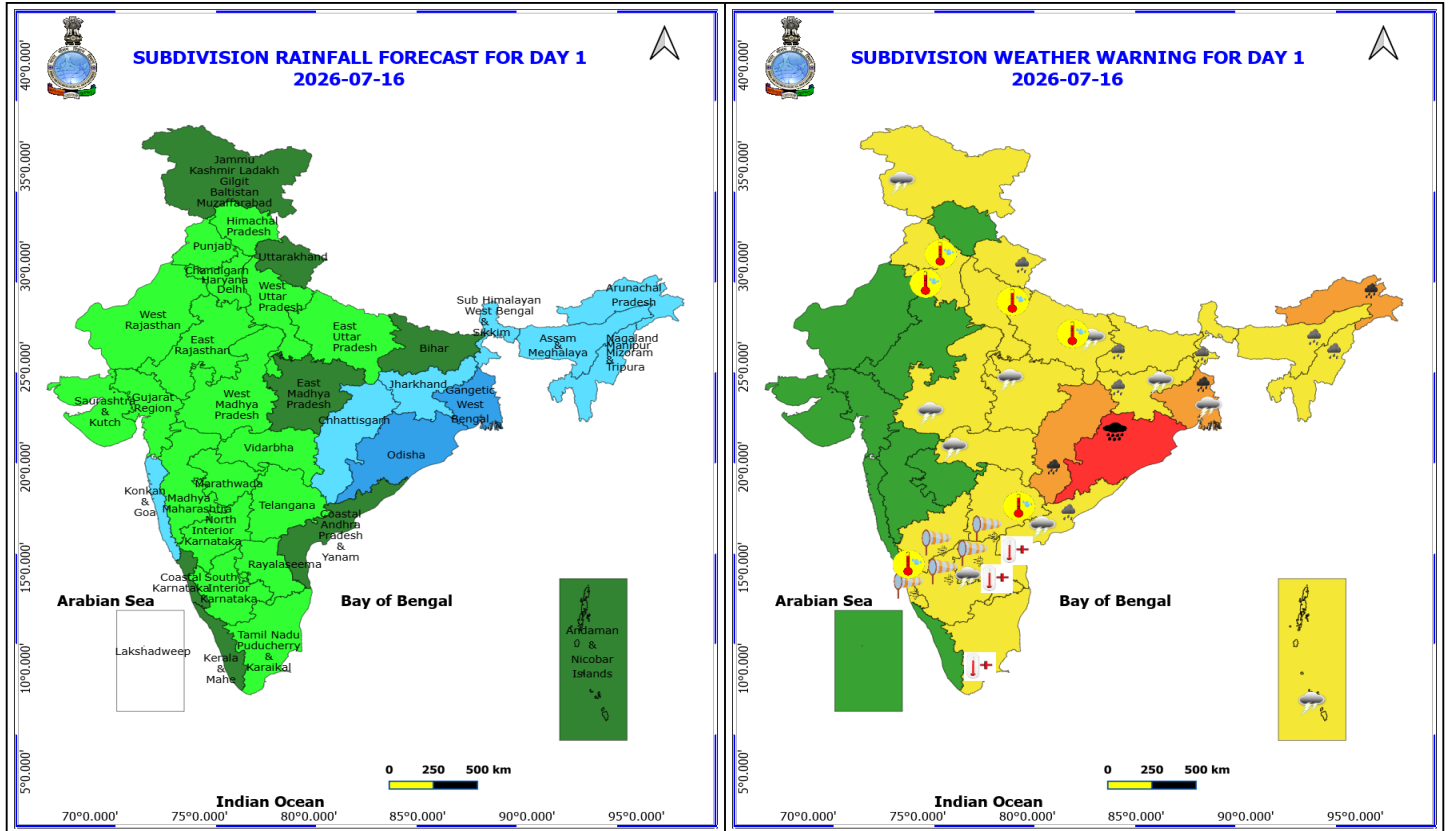
❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Heavy rain** at isolated places over Odisha

❖ **Minimum Temperature Departures (as on 15-07-2026):** **markedly above normal(> 5.1°C)** at few places over East Madhya Pradesh; at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Bihar, East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh, West Rajasthan, East Rajasthan, West Madhya Pradesh and Saurashtra & Kutch. **appreciably above normal(3.1°C to 5.0°C)** at few places over Coastal Andhra Pradesh & Yanam; at isolated places over Sub Himalayan West Bengal & Sikkim, Odisha, East Uttar Pradesh, West Uttar Pradesh, Haryana-Chandigarh-Delhi, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Telangana, Rayalaseema and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over Coastal Andhra Pradesh & Yanam; at most places over Lakshadweep; at few places over Andaman & Nicobar Islands, Arunachal Pradesh, Sub Himalayan West Bengal & Sikkim, Bihar, West Rajasthan, East Rajasthan, East Madhya Pradesh, Gujarat Region, Vidarbha, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe; at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha, Jharkhand, East Uttar Pradesh, West Uttar Pradesh, Haryana-Chandigarh-Delhi, Punjab, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Marathwada, Chhattisgarh and Telangana. **near normal(-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Odisha, Jharkhand, East Uttar Pradesh, Haryana-Chandigarh-Delhi, Punjab, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, Saurashtra & Kutch, Konkan & Goa, Telangana, Tamil Nadu, Puducherry & Karaikal, North Interior Karnataka and Kerala & Mahe; at most places over Gangetic West Bengal, Uttarakhand, Himachal Pradesh, Madhya Maharashtra, Marathwada, Chhattisgarh, Coastal Karnataka and South Interior Karnataka; at few places over Arunachal Pradesh, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Bihar, West Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Gujarat Region, Vidarbha and Rayalaseema; at isolated places over East Madhya Pradesh and Coastal Andhra Pradesh & Yanam. **The lowest minimum temperature** of 18.0°C was reported at JEUR (MAHARASHTRA) over the Plains of India.

❖ **Maximum Temperature Departures (as on 15-07-2026):** **markedly above normal(> 5.1°C)** at few places over Coastal Andhra Pradesh & Yanam and Telangana; at isolated places over West Uttar Pradesh, Himachal Pradesh, West Madhya Pradesh, Vidarbha, Tamil Nadu, Puducherry & Karaikal and North Interior Karnataka. **appreciably above normal(3.1°C to 5.0°C)** at many places over Assam & Meghalaya, Chhattisgarh and Rayalaseema; at most places over Arunachal Pradesh, Marathwada and South Interior Karnataka; at few places over Haryana-Chandigarh-Delhi, Punjab, East Rajasthan, East Madhya Pradesh, Gujarat Region, Konkan & Goa, Coastal Karnataka and Kerala & Mahe; at isolated places over Sub Himalayan West Bengal & Sikkim, Odisha, East Uttar Pradesh, Saurashtra & Kutch and Madhya Maharashtra. **above normal(1.6°C to 3.0°C)** at most places over Nagaland, Manipur, Mizoram & Tripura and Lakshadweep; at few places over Jharkhand, Bihar, Uttarakhand and West Rajasthan; at isolated places over Gangetic West Bengal and Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad. **near normal(-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands. **The highest maximum temperature** of 42.5°C was reported at BHIWANI (HARYANA).

Meteorological Analysis (Based on 0530 hours IST)

- The **Low Pressure Area** over Northwest Bay of Bengal and adjoining North Odisha -West Bengal coasts persisted over the same region at 0530 hrs IST of today, 16th July, 2026. The associated cyclonic circulation extending upto 7.6 km above mean sea level tilting southwestwards with height. It is very likely become Well Marked Low Pressure Area and move northwestwards across North Odisha & Gangetic West Bengal during next 12 hours.
- The **Monsoon trough** at mean sea level passes through Amritsar, Dehradun, Bareilly, Gorakhpur, Patna, Bankura, centre of Low Pressure area over Northwest Bay of Bengal and adjoining north Odisha -West Bengal coasts and thence southeastwards towards Eastcentral Bay of Bengal.
- The **Western Disturbance** as a cyclonic circulation over North Pakistan & adjoining Jammu persists and now seen between 4.5 & 5.8 km above mean sea level with a **trough** aloft with axis at 7.6 km above mean sea level now runs roughly along Long. 73°E to the north of Lat. 30°N.
- The **upper air cyclonic circulation** over Northwest Uttar Pradesh & neighbourhood at 0.9 km above mean sea level persists.
- The **upper air cyclonic circulation** over East Uttar Pradesh & adjoining Bihar persists and now extends upto 1.5 km above mean sea level.
- The **upper air cyclonic circulation** over East Assam & neighbourhood at 1.5 km above mean sea level persists.
- The **upper air cyclonic circulation** over north Gujarat & adjoining southwest Rajasthan persists and now seen at 3.1km above mean sea level.
- The **upper air cyclonic circulation** over East Uttar Pradesh & neighbourhood at 5.8 km above mean sea level persists.
- The **upper air cyclonic circulation** lies over North Bihar & neighbourhood at 3.1 km above mean sea level persists.
- A fresh **Western Disturbance** is likely to affect Northwest India from 19th July.



16 July (Day 1)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Odisha.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Chhattisgarh and Gangetic West Bengal.
- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Bihar, Coastal Andhra Pradesh, Jharkhand, Nagaland, Manipur, Mizoram and Tripura, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, East Uttar Pradesh, Gangetic West Bengal, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Madhya Pradesh and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Karnataka and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Madhya Maharashtra, Marathwada, Nagaland, Manipur, Mizoram and Tripura, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Strong Surface Winds** very likely at isolated places over Karnataka, Rayalaseema and Telangana.
- ❖ **Heat Wave conditions** very likely at isolated places over Andhra Pradesh and Tamil Nadu Puducherry & Karaikal.
- ❖ **Hot and Humid weather** very likely at isolated places over Coastal Karnataka, Haryana, Chandigarh & Delhi, Punjab, Telangana and Uttar Pradesh.

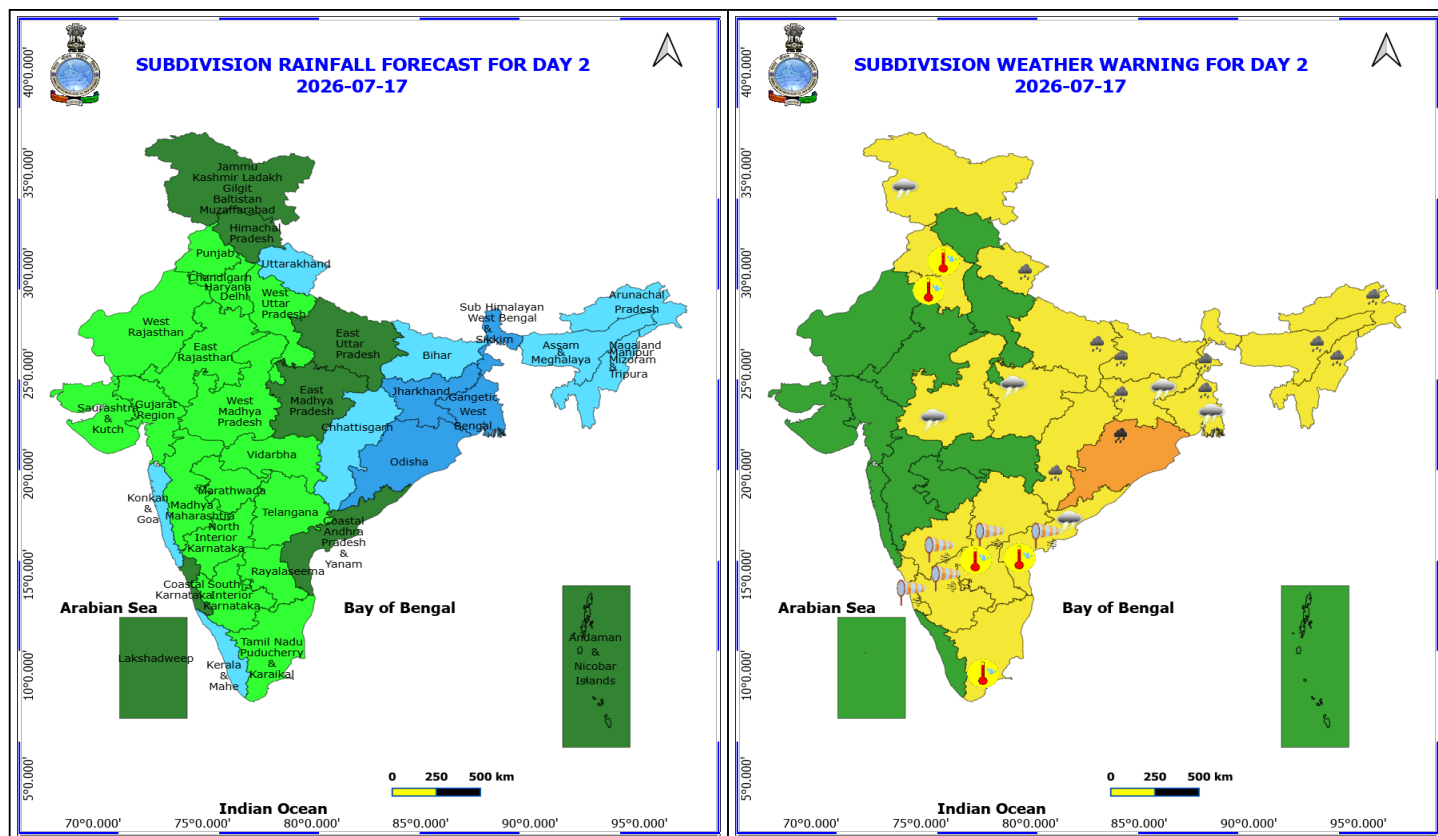
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- ❖ Arabian Sea: Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail over most parts of west central adjoining some parts of north, east central and south west Arabian Sea, along and off Somalia, and Oman coasts.
- ❖ Bay of Bengal: Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail over south Sri Lanka adjoining few parts of southwest Bay of Bengal and Gulf of Mannar
- ❖ Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off Odisha, Gangetic West Bengal adjoining many parts of north Bay of Bengal and some parts of Central Bay of Bengal, over Andaman Sea.



17 July (Day 2)

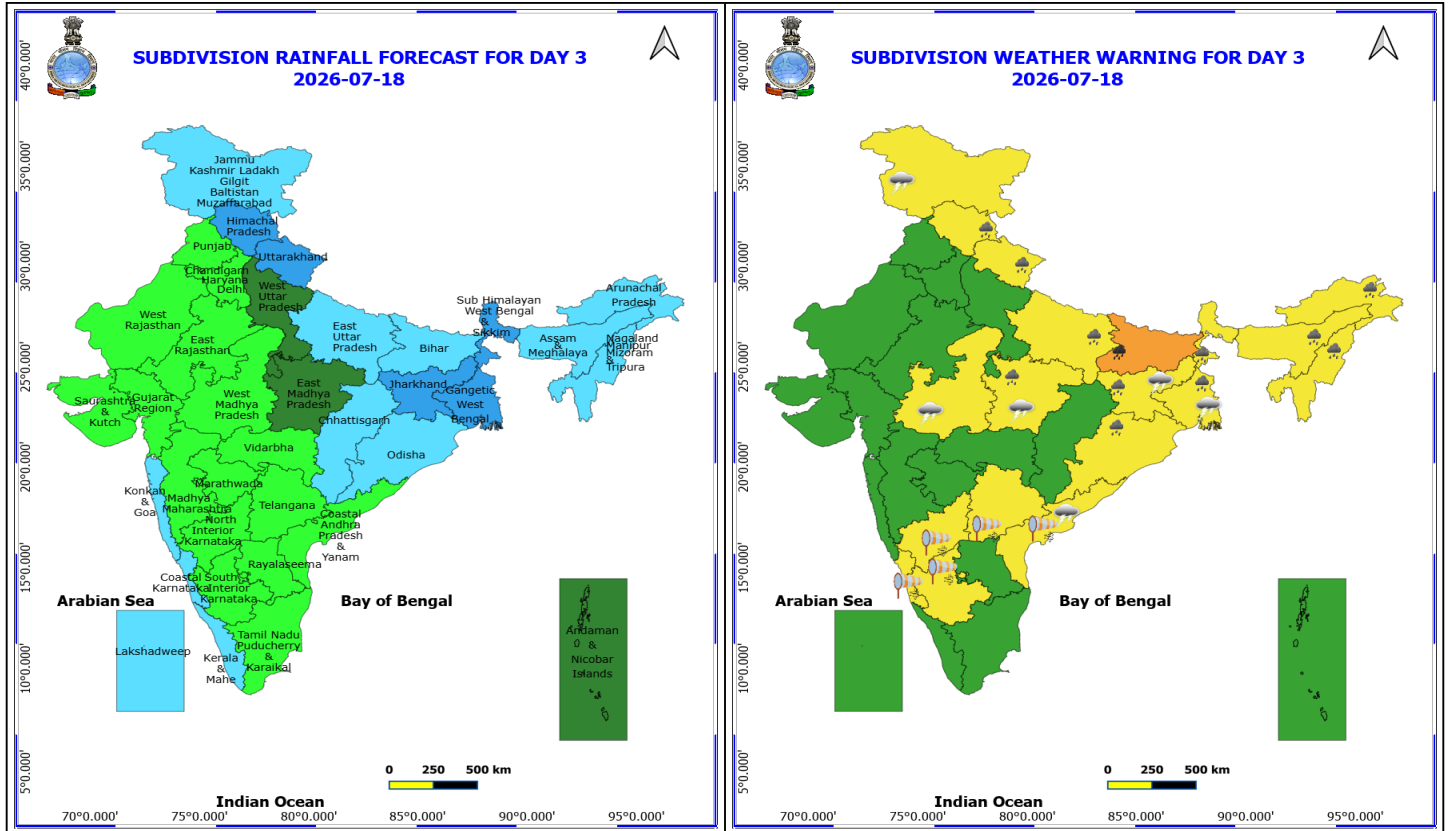
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Odisha.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, East Uttar Pradesh, Jharkhand, Nagaland, Manipur, Mizoram and Tripura, Uttarakhand and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Coastal Andhra Pradesh, Gangetic West Bengal, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand and Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Karnataka, Rayalaseema and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Assam & Meghalaya, Chhattisgarh, Nagaland, Manipur, Mizoram and Tripura, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Strong Surface Winds** very likely at isolated places over Coastal Andhra Pradesh, Karnataka and Telangana.
- ❖ **Hot and Humid weather** very likely at isolated places over Andhra Pradesh, Haryana, Chandigarh & Delhi, Punjab and Tamil Nadu Puducherry & Karaikal.
- ❖ **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 north and south west Arabian Sea and few parts of east central Arabian Sea, along and off Somalia, and Oman coasts and north Gujarat adjoining south Gujarat coasts.
- ❖ **Bay of Bengal:** Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off Odisha, Gangetic West Bengal adjoining many parts of northwest Bay of Bengal

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18 July (Day 3)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Bihar.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, East Madhya Pradesh, East Uttar Pradesh, Himachal Pradesh, Jharkhand, Nagaland, Manipur, Mizoram and Tripura, Odisha, Uttarakhand and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Coastal Andhra Pradesh, Gangetic West Bengal, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand and Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Karnataka, Rayalaseema and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Assam & Meghalaya, Chhattisgarh, Sub Himalayan West Bengal & Sikkim, Uttarakhand and Vidarbha.
- ❖ **Strong Surface Winds** very likely at isolated places over Coastal Andhra Pradesh, Karnataka and Telangana.
- ❖ **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 north, east central and south west Arabian Sea along and off Somalia, and Oman coasts and north Gujarat adjoining south Gujarat coasts
- ❖ **Bay of Bengal:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail many parts of central and south Bay of Bengal adjoining south Sri Lanka coast.
- ❖ **Squally Weather** with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off Gangetic West

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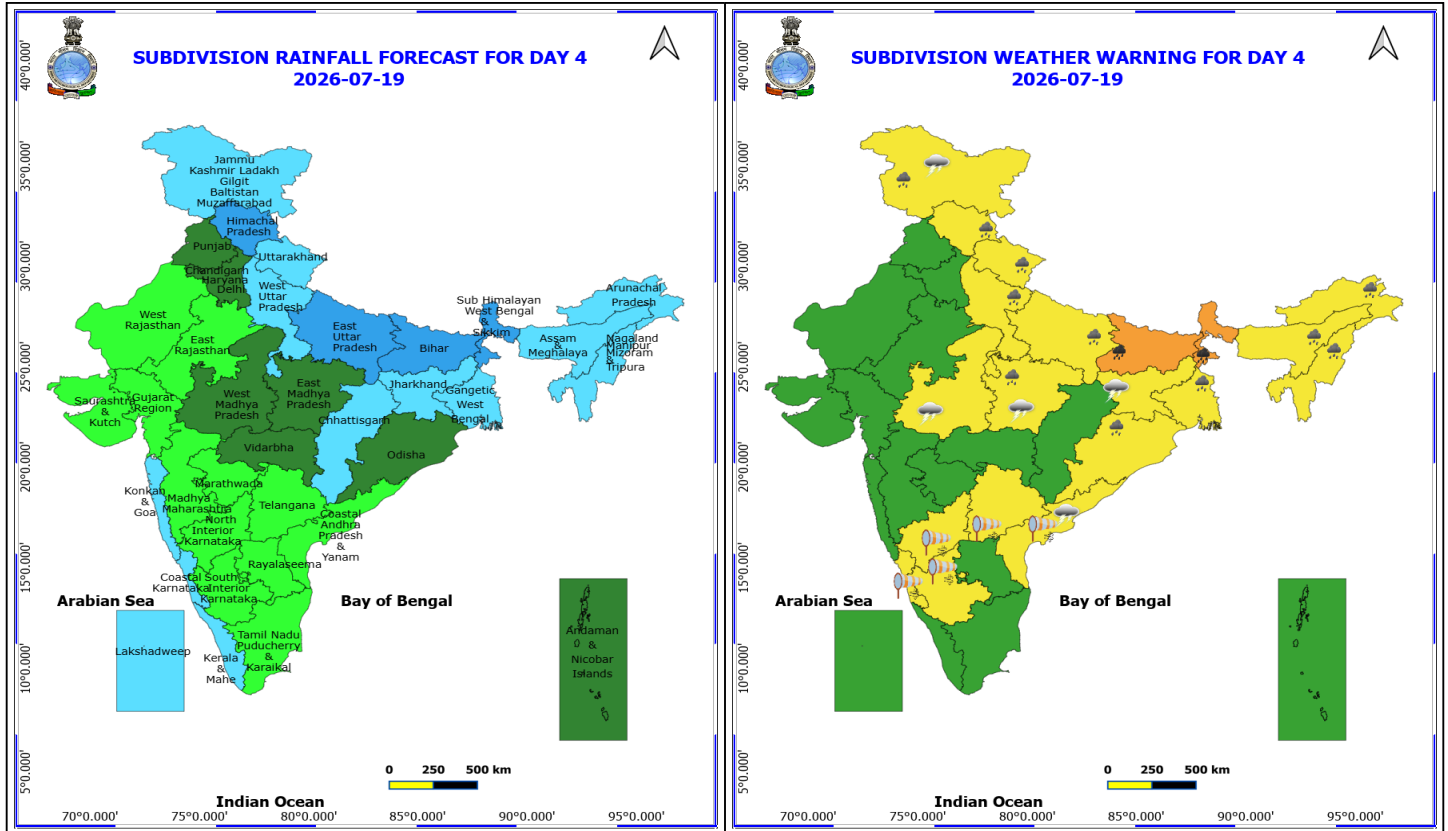
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Bengal adjoining northwest Bay of Bengal.



19 July (Day 4)

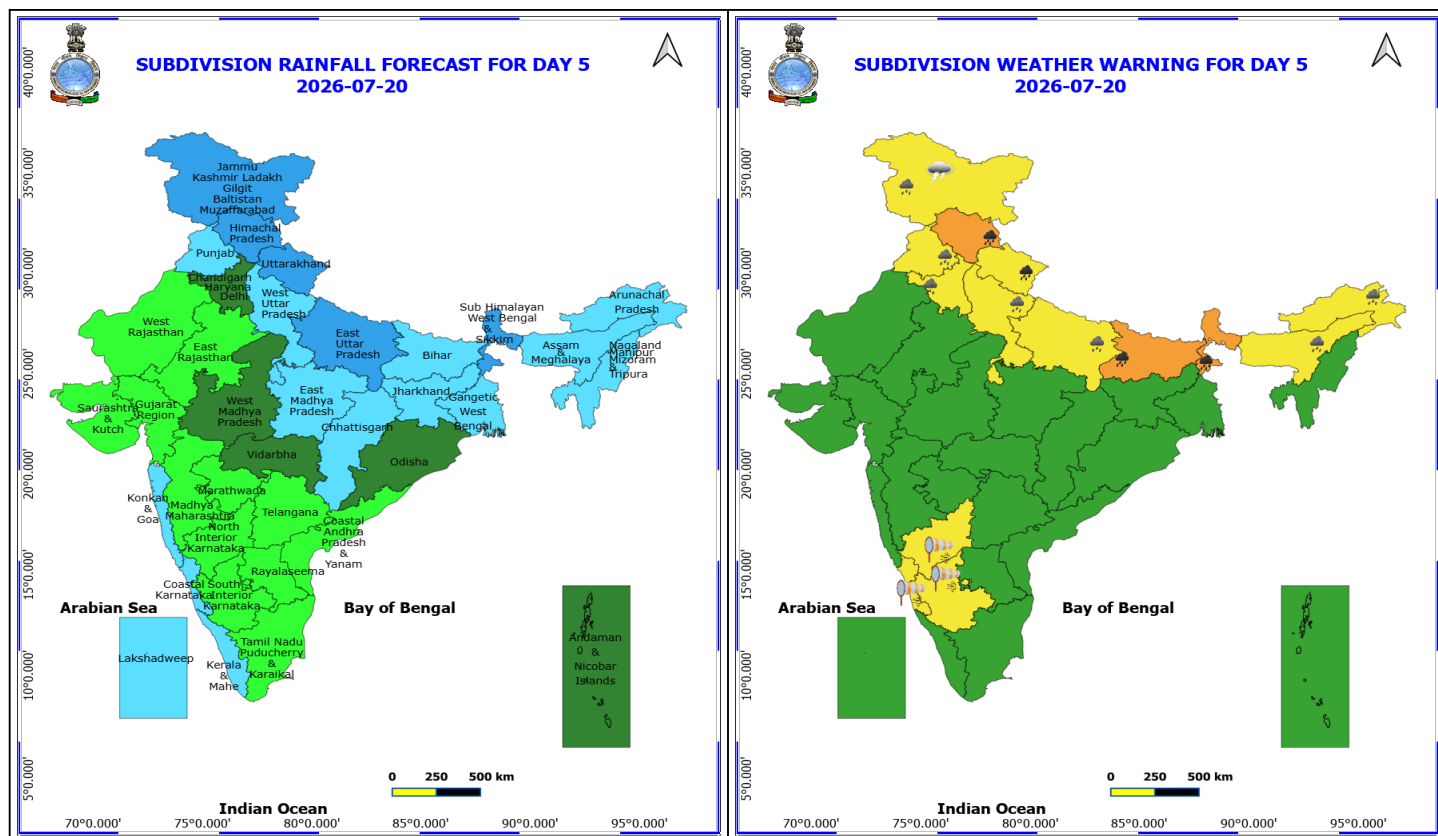
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Bihar and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, East Madhya Pradesh, Gangetic West Bengal, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Nagaland, Manipur, Mizoram and Tripura, Odisha, Uttar Pradesh and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Coastal Andhra Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand and Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Gangetic West Bengal, Karnataka, Rayalaseema and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Assam & Meghalaya, Chhattisgarh, Sub Himalayan West Bengal & Sikkim, Uttarakhand and Vidarbha.
- ❖ **Strong Surface Winds** likely at isolated places over Coastal Andhra Pradesh, Karnataka and Telangana.
- ❖ **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 north, east central and south west Arabian Sea along and off Somalia, and Oman coasts and north Gujarat adjoining south Gujarat coasts.
- ❖ **Bay of Bengal:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail many parts of central and south Bay of Bengal adjoining south Sri Lanka coast.

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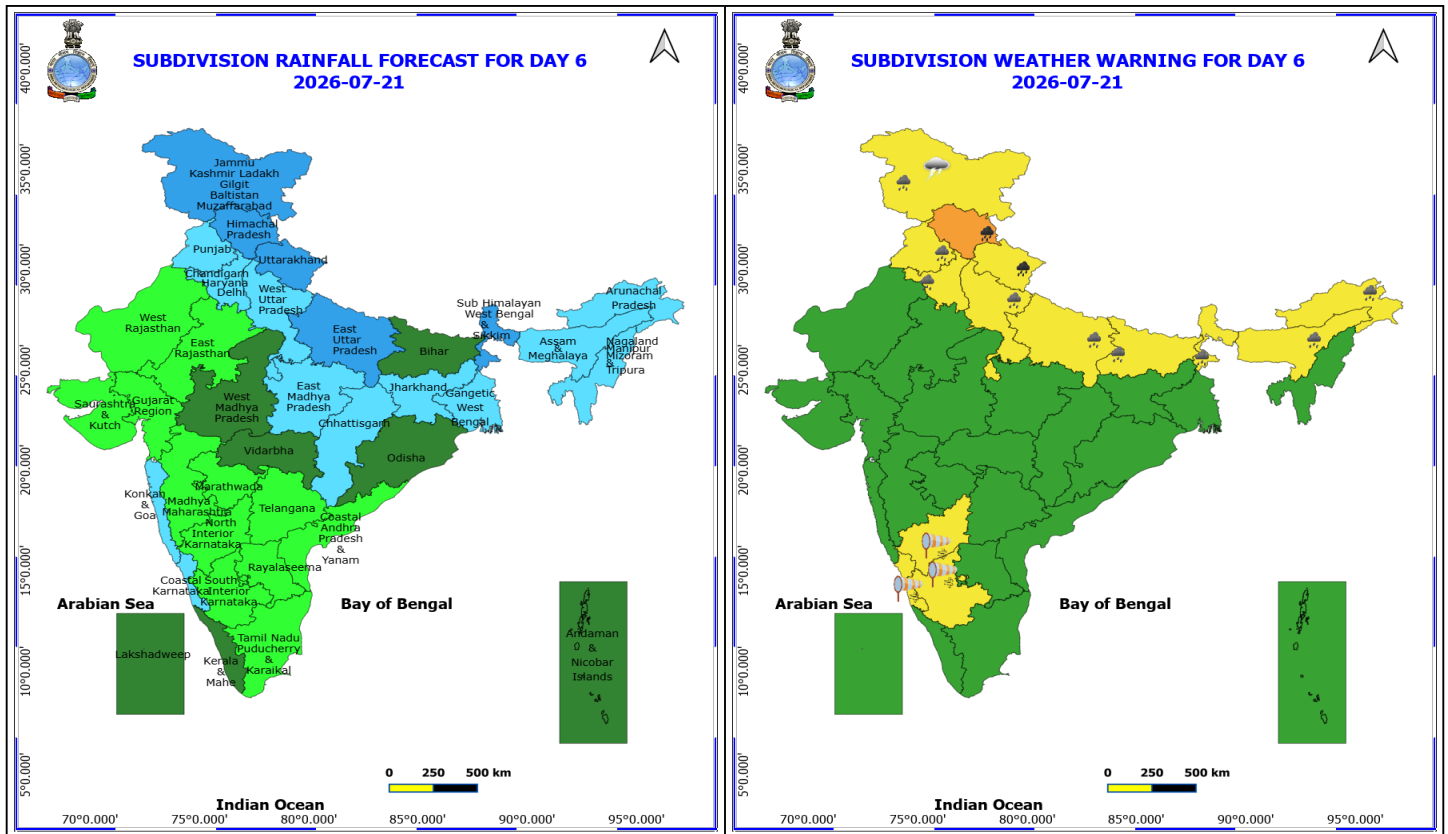
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20 July (Day 5)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Bihar, Himachal Pradesh, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab and Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Gangetic West Bengal and Karnataka.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Strong Surface Winds** likely at isolated places over Karnataka.

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21 July (Day 6)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Himachal Pradesh and Uttarakhand.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Sub Himalayan West Bengal & Sikkim and Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Gangetic West Bengal and Karnataka.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Strong Surface Winds** likely at isolated places over Karnataka.

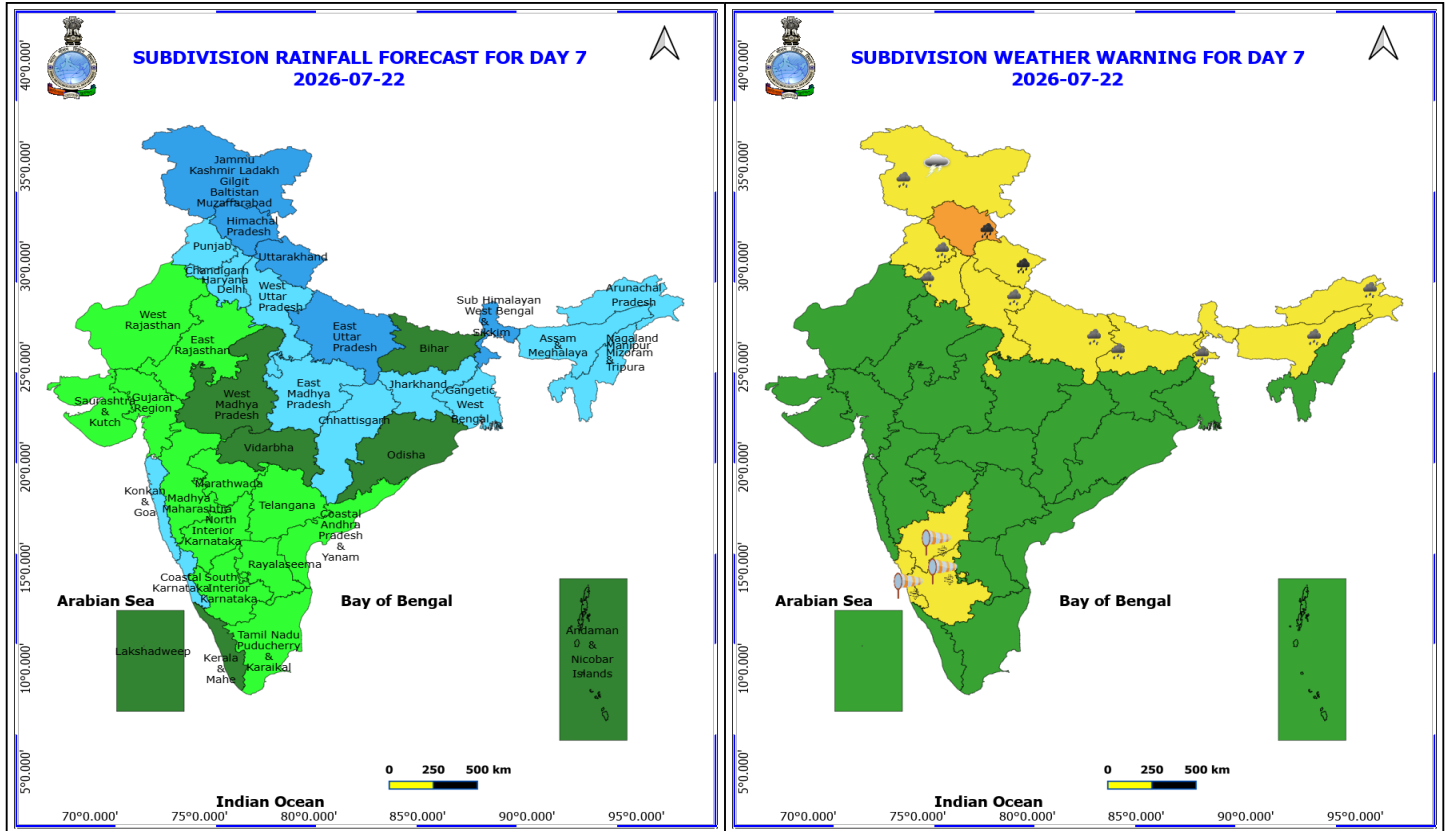
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22 July (Day 7)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Himachal Pradesh and Uttarakhand.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Sub Himalayan West Bengal & Sikkim and Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Gangetic West Bengal and Karnataka.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Strong Surface Winds** likely at isolated places over Karnataka.

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Flash Flood Warnings

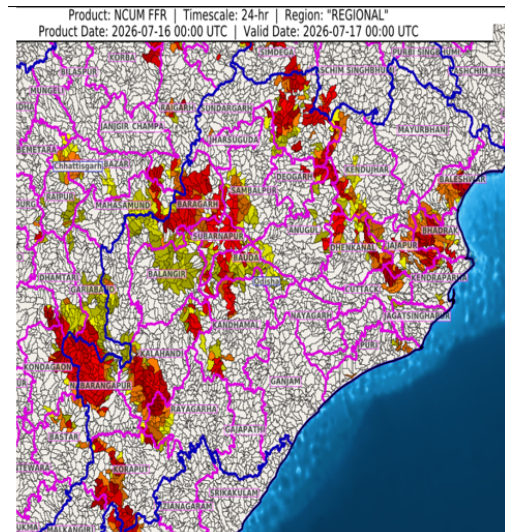
24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 17-07-2026 :

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

Chhattisgarh - Baloda Bazar, Bastar, Dhamtari, Gariaband, Kondagaon, Mahasamund, Raigarh and Raipur districts.

Odisha - Anugul, Balangir, Baleshwar, Baragarh, Bauda, Bhadrak, Cuttack, Deogarh, Dhenkanal, Jajapur, Jharsuguda, Kalahandi, Kandhamal, Kendraparha, Kendujhar, Khordha, Koraput, Nabarangapur, Nayagarh, Nuaparha, Puri, Rayagarha, Sambalpur, Subarnapur and Sundargarh 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.

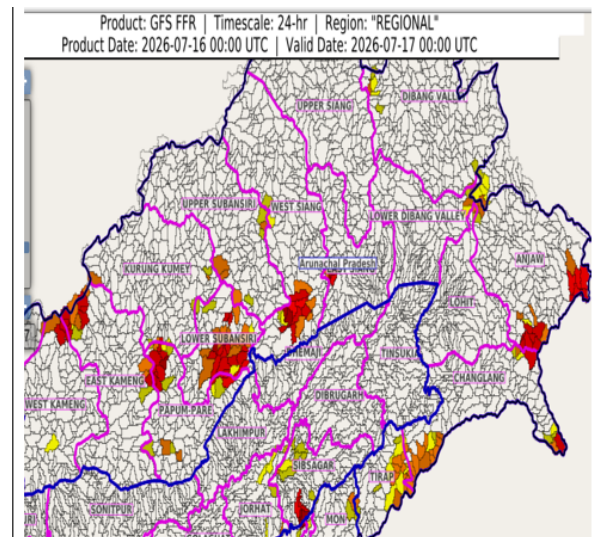


24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 17-07-2026 :

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

Arunachal Pradesh - Changlang, Dibang Valley, East Kameng, East Siang, Lower Dibang Valley, Lower Subansiri, Papum-Pare, Tirap, West Kameng, West Siang, Anjaw and Kurung Kumey 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	16- Jul	17- Jul	18- Jul	19- Jul	20- Jul	21- Jul	22- 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	FWS	WS	WS	WS	WS	WS	WS
6	GANGETIC WEST BENGAL	WS	WS	WS	FWS	FWS	FWS	FWS
7	ODISHA	WS	WS	FWS	SCT	SCT	SCT	SCT
8	JHARKHAND	FWS	WS	WS	FWS	FWS	FWS	FWS
9	BIHAR	SCT	FWS	FWS	WS	FWS	SCT	SCT
10	EAST UTTAR PRADESH	ISOL	SCT	FWS	WS	WS	WS	WS
11	WEST UTTAR PRADESH	ISOL	ISOL	SCT	FWS	FWS	FWS	FWS
12	UTTARAKHAND	SCT	FWS	WS	FWS	WS	WS	WS
13	HARYANA, CHD & DELHI	ISOL	ISOL	ISOL	SCT	SCT	FWS	FWS
14	PUNJAB	ISOL	ISOL	ISOL	SCT	FWS	FWS	FWS
15	HIMACHAL PRADESH	ISOL	SCT	WS	WS	WS	WS	WS
16	JAMMU AND KASHMIR AND LADAKH	SCT	SCT	FWS	FWS	WS	WS	WS
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
20	EAST MADHYA PRADESH	SCT	SCT	SCT	SCT	FWS	FWS	FWS
21	GUJRAT REGION	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
22	SAURASHTRA & KUTCH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
23	KONKAN & GOA	FWS	FWS	FWS	FWS	FWS	FWS	FWS
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
25	MARATHWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
27	CHATTISGARH	FWS	FWS	FWS	FWS	FWS	FWS	FWS
28	COASTAL ANDHRA PRADESH	SCT	SCT	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	SCT	SCT	FWS	FWS	FWS	FWS	FWS
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
35	KERALA	SCT	FWS	FWS	FWS	FWS	SCT	SCT
36	LAKSHDWEEP	DRY	SCT	FWS	FWS	FWS	SCT	SCT

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

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Fig. 1: Maximum Temperatures Dated 2026-07-15

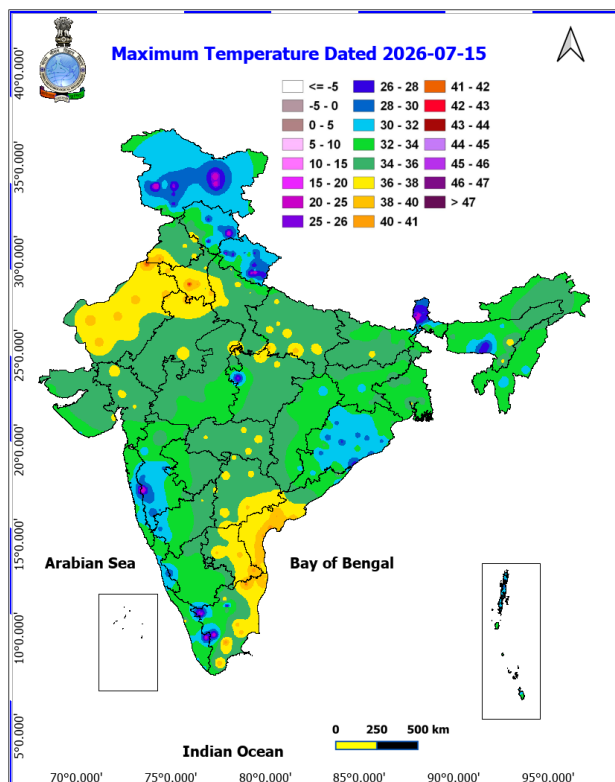


Fig. 2: Departure of Maximum Temp. Dated 2026-07-15

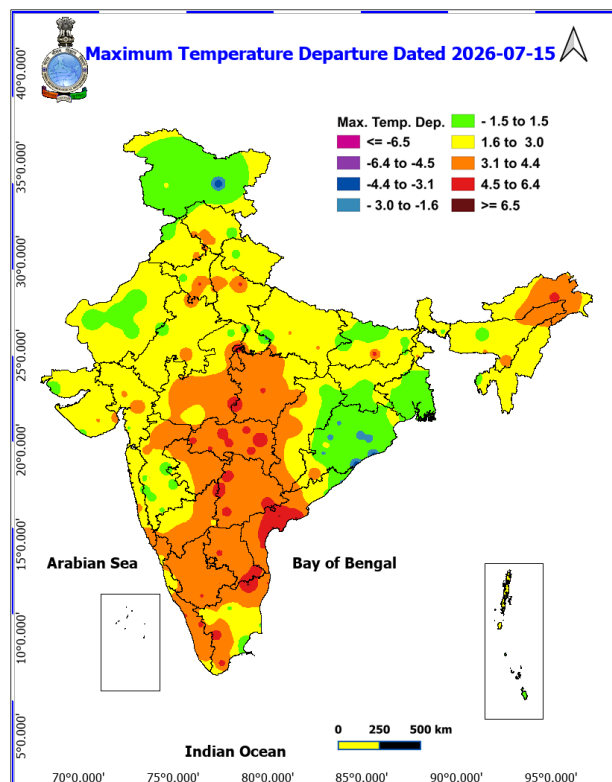


Fig. 3: Minimum Temperatures Dated 2026-07-15

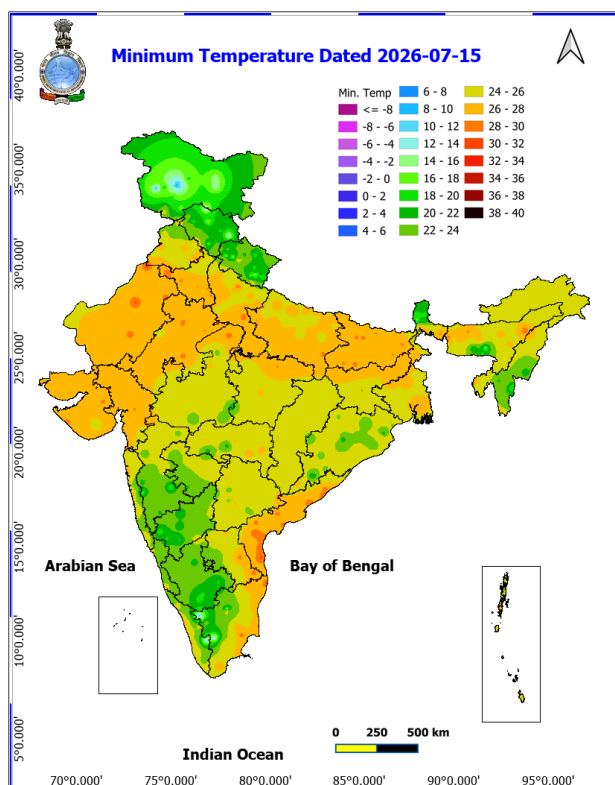
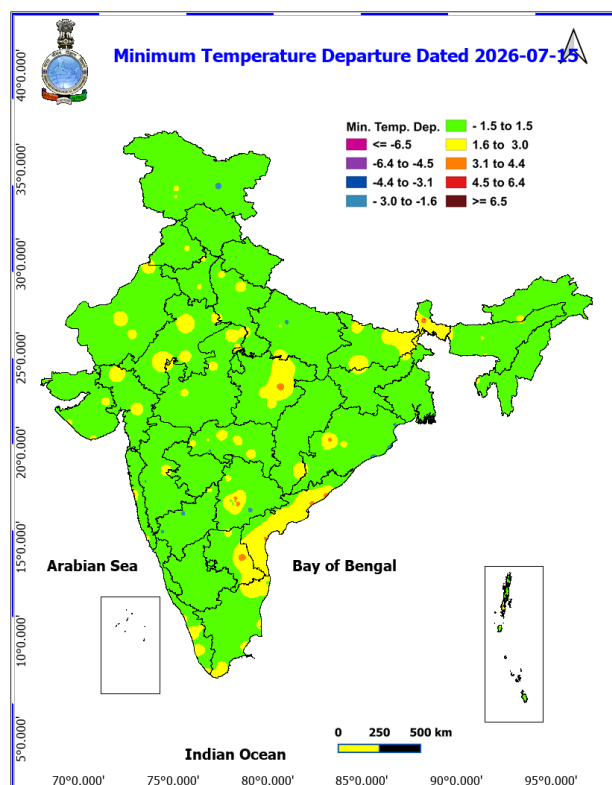
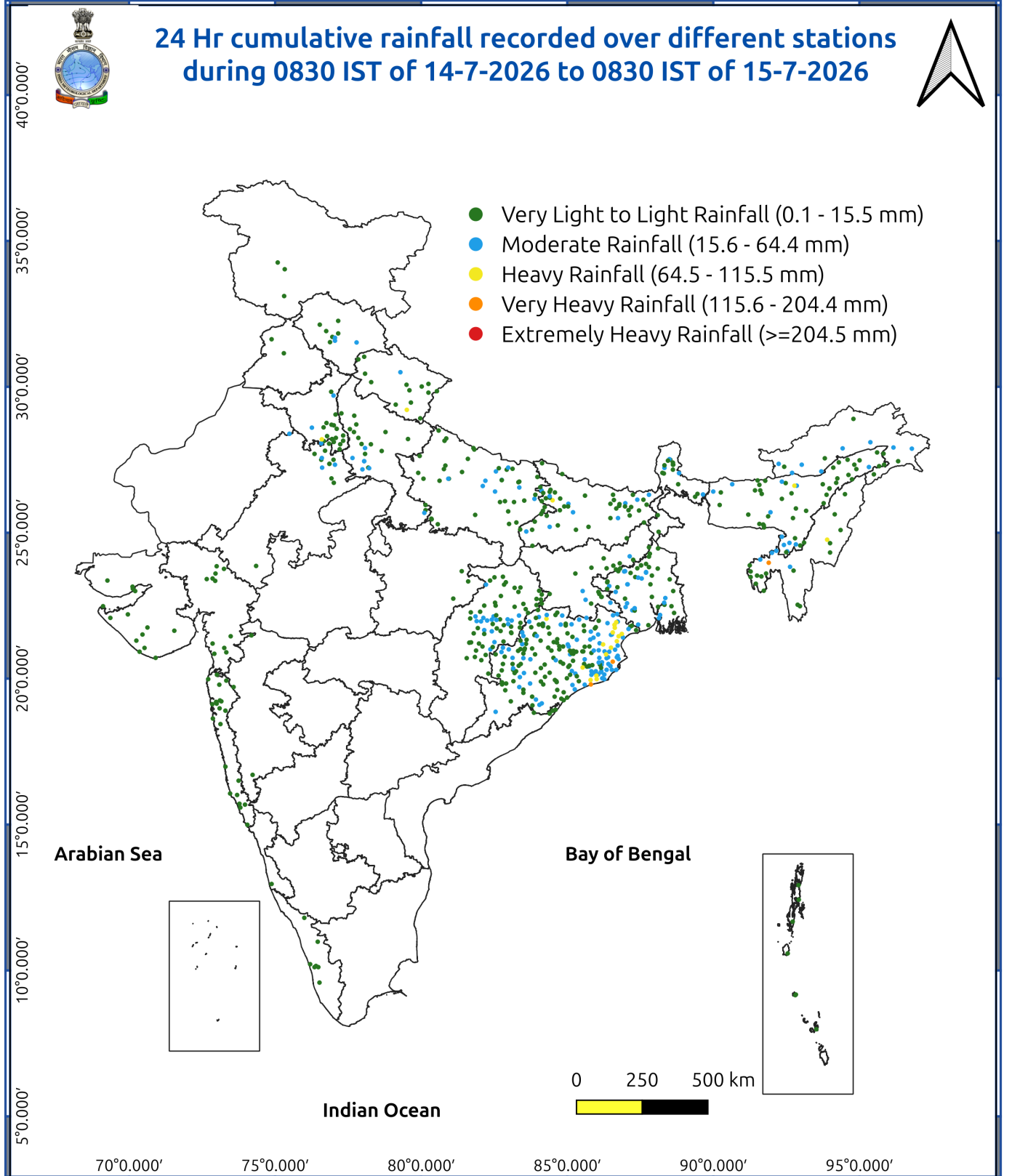


Fig. 4: Departure of Minimum Temp. Dated 2026-07-15





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Impact and Actions

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

❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Odisha on 16th July.

❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Chhattisgarh and Gangetic West Bengal on 16th; Odisha on 17th July; Bihar during 18th-20th; Sub-Himalayan West Bengal & Sikkim on 19th & 20th; Uttarakhand during 20th-22nd 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/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.

Impact expected and action suggested due to Heat wave conditions:

Heat wave conditions very likely in isolated pockets over Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal on 16th July.

Alert Areas

- High temperature & increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.
- High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure— keep cool. Avoid dehydration.
- Drink sufficient water- even if not thirsty.
- Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Heavy Rainfall

- In **Odisha**, ensure continuous and effective drainage of excess rainwater from rice, maize, pulses, oilseed and vegetable fields to prevent prolonged waterlogging. Strengthen field bunds. Postpone sowing, transplanting, irrigation, fertilizer and plant protection operations until field conditions improve.
- In **Arunachal Pradesh**, ensure continuous drainage of excess rainwater from rice, maize, soybean and finger

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millet fields to prevent prolonged waterlogging.

- In **Assam**, ensure continuous and effective drainage of excess rainwater from sugarcane, soybean, pigeon pea, jute, sesame fields and fruit orchards to prevent prolonged waterlogging.
- In **Meghalaya**, ensure proper drainage in rice nursery beds and fields of maize, cowpea, okra and ginger. Strengthen nursery bunds to prevent runoff and seedling washout.
- In **Sikkim**, ensure proper drainage in rice nurseries and standing crop fields to prevent waterlogging.
- In **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 **Jharkhand**, ensure proper drainage in standing crop fields to prevent waterlogging. Postpone irrigation, fertilizer and plant protection operations until field conditions improve.
- In **Nagaland, Manipur, Mizoram and Tripura** ensure proper drainage and remove any accumulated rainwater from soybean, black gram, ginger, turmeric, cole crop and vegetable fields to prevent residual waterlogging.
- 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 and continue rice transplanting wherever field conditions permit.
- 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 **Chhattisgarh**, ensure proper drainage in rice nurseries and standing fields of maize, soybean, pigeon pea and minor millets to prevent prolonged waterlogging.

Agromet advisories for likely impact of High temperatures/ Heat Waves

- In **Tamilnadu and Coastal Andhra Pradesh** provide light irrigation to maintain adequate moisture in standing crops
- **Agromet advisories for likely impact of Thunderstorm / Gusty Winds**
- In **Arunachal Pradesh, Assam, Meghalaya, Nagaland, Manipur, Mizoram, West Madhya Pradesh, East Madhya Pradesh and Vidarbha** post-pone fertilizer application and other field activities.
- In **Telangana and Rayalaseema and Coastal Andhra Pradesh** provide staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong 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.

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

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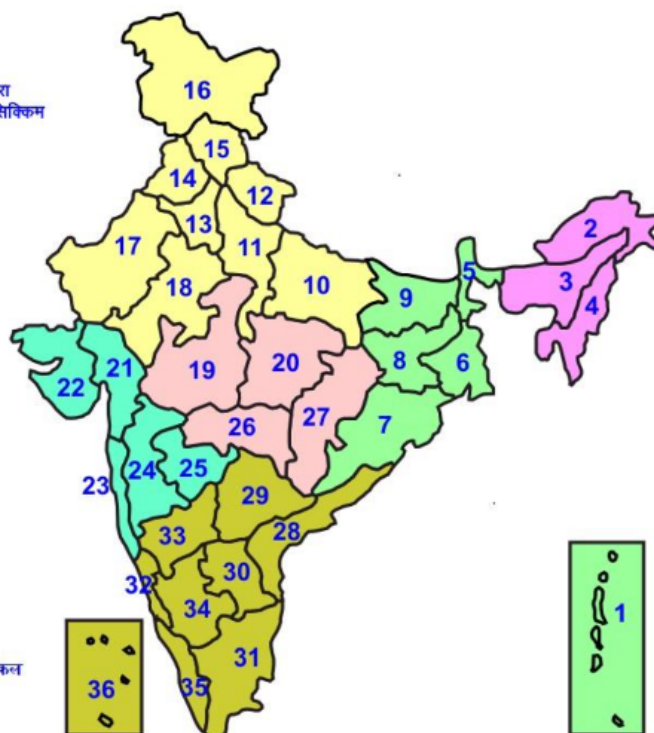
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Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

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 |  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 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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