

Saturday, August 10, 2024
Time of Issue: 0800 hours IST
(MORNING)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features:

Weather Systems

- ✓ A **cyclonic circulation** lies over southeast Uttar Pradesh & neighbourhood extending upto lower tropospheric levels.
- ✓ Another **cyclonic circulation** lies over northeast Rajasthan & neighbourhood extending upto middle tropospheric levels tilting southwestwards with height.
- ✓ The **Monsoon trough** is active and near its normal position at mean sea level.
- ✓ A **cyclonic circulation** lies over south Jharkhand & neighbourhood in middle tropospheric levels tilting southwards with height.

Forecast & Warnings: (upto 7 days):

❖ Northwest India

- ✓ Fairly widespread to widespread light/moderate rainfall very likely over Himachal Pradesh, Uttarakhand & East Rajasthan; scattered to fairly widespread rainfall over Jammu-Kashmir, Uttar Pradesh, Punjab, Haryana-Chandigarh-Delhi, West Rajasthan during the week.
- ✓ Isolated **very heavy rainfall** also likely over Himachal Pradesh on 10th; Uttarakhand & East Rajasthan on 10th & 11th August.
- ✓ Isolated **heavy rainfall** very likely over Himachal Pradesh, Uttarakhand, Rajasthan & East Uttar Pradesh during 10th-16th; Punjab on 10th; Haryana-Chandigarh during 10th-12th; West Uttar Pradesh during 10th-13th; Jammu-Kashmir on 10th, 11th, 14th, 15th & 16th August.

❖ West & Central India

- ✓ Scattered to fairly widespread light to moderate rainfall very likely over Madhya Pradesh, Vidarbha, Chhattisgarh, Konkan & Goa, Gujarat Region during the week; isolated to scattered rainfall over Madhya Maharashtra, Marathwada, Saurashtra & Kutch during the week.
- ✓ **Very heavy rainfall** at isolated places over West Madhya Pradesh on 10th August.
- ✓ **Heavy rainfall** very likely at isolated places over Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Gujarat Region on 10th August.

❖ East & Northeast India

- ✓ Fairly widespread to widespread light to moderate rainfall very likely over East & Northeast India during the week.
- ✓ **Very heavy rainfall** very likely at isolated places over Arunachal Pradesh & Bihar on 10th August.
- ✓ Isolated **heavy rainfall** very likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Bihar during 10th-16th; Sub-Himalayan West Bengal & Sikkim on 10th & 11th; Odisha, Jharkhand, Gangetic West Bengal on 10th & during 13th -16th August.

❖ South Peninsular India:

- ✓ Scattered to fairly widespread light to moderate rainfall over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Lakshadweep, Karnataka and isolated to scattered rainfall over Coastal Andhra Pradesh & Yanam, Telangana and Rayalaseema during the week.
- ✓ **Heavy rainfall** very likely at isolated places over South Interior Karnataka, Rayalaseema & Coastal Andhra Pradesh & Yanam on 10th; Tamil Nadu during 10th - 13th & Kerala during 11th - 14th August.

- **Thunderstorm accompanied with lightning** very likely over northwest & central India, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe during next 5 days and Ghat areas of Madhya Maharashtra, Gujarat state, Coastal Andhra Pradesh & Yanam, Rayalaseema and Telangana during next 2 days.

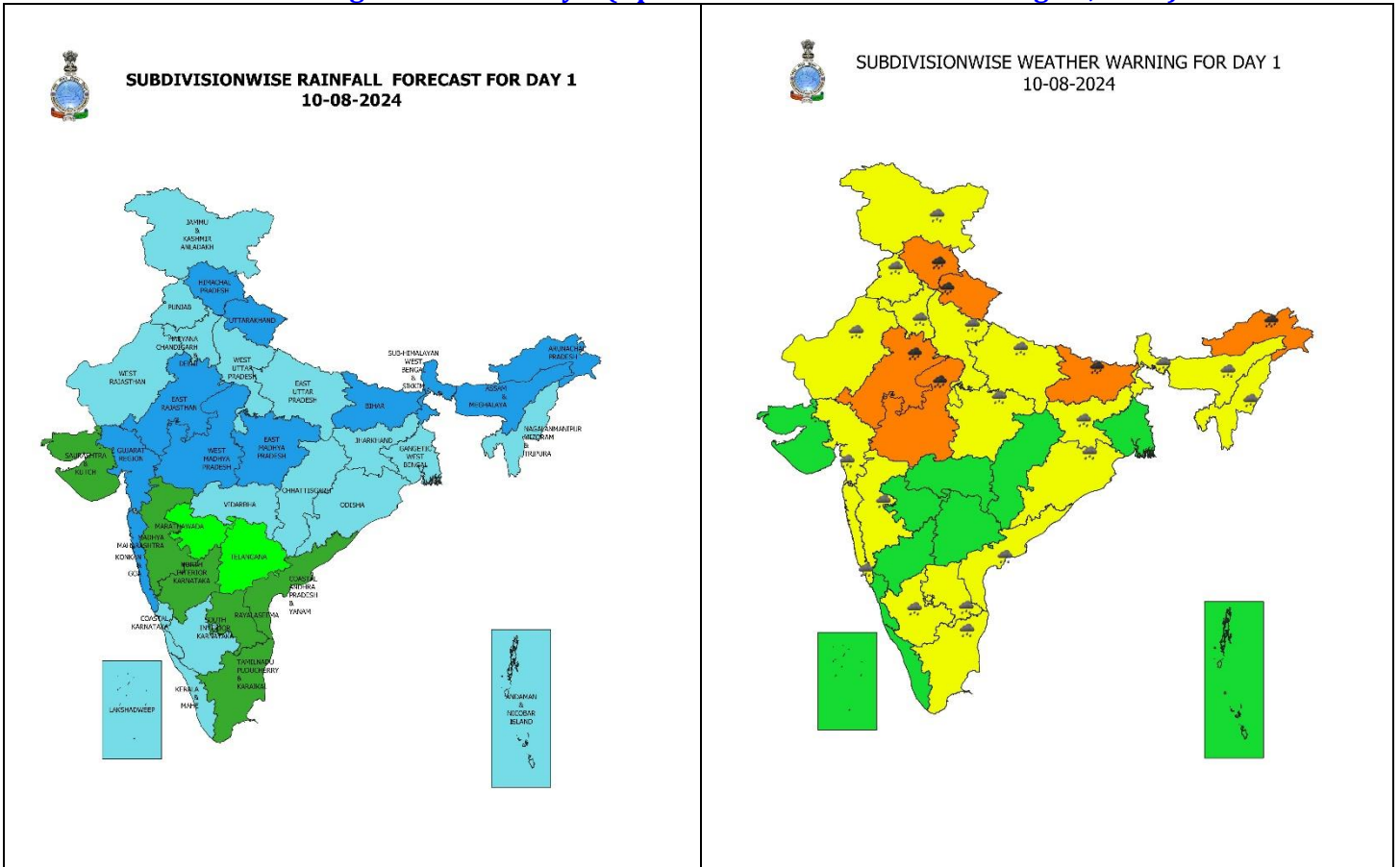
Main Weather Observations:

- ❖ **Rainfall distribution** (from 0830 hours IST to 1730 hours IST of today): **at many places** over Sub-Himalayan West Bengal & Sikkim, Uttarakhand, East Uttar Pradesh; **at a few places** over Arunachal Pradesh, Assam & Meghalaya, Gangetic West Bengal, Bihar, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Haryana-Chandigarh-Delhi, Gujarat Region, Himachal Pradesh; **at isolated places** over Jharkhand, Chhattisgarh, Madhya Pradesh, Odisha, Tamil Nadu, Puducherry & Karaikal, Interior Karnataka, Marathwada, Saurashtra & Kutch, Jammu division, Rajasthan.
- ❖ **Significant amount of rainfall** (from 0830 hours IST to 1730 hours IST of today) (in cm): **East Uttar Pradesh:** Fursatganj 5, Sultanpur 3, Varanasi 2; **Madhya Maharashtra:** Mahabaleshwar 4; **Madhya Pradesh:** Prithvipur (Niwari) 4, Sidhi 4, Ratlam 3; **Konkan & Goa:** Panjim 3; **Gangetic West Bengal:** Kolkata 4, Bagati 2; **Assam & Meghalaya:** Cherrapunji 3, Silchar 2; Sub-Himalayan West Bengal & Sikkim: Malda 3; **Bihar:** Patna 2; Odisha: Keonjhar 2, Dhenkanal 2.
- ❖ **Minimum Temperature Departures (as on 09-08-2024):** Minimum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at isolated places over East Madhya Pradesh; **above normal (1.6°C to 3.0°C)** at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Rajasthan, Saurashtra & Kutch, Telangana and Sub-Himalayan West Bengal & Sikkim. These were **below normal (-1.6°C to -3.0°C)** at isolated places over Tamil Nadu, Puducherry & Karaikal and Gujarat Region and **near normal** over rest parts of the country. Yesterday, **the lowest minimum temperature of 20.0°C** was reported at **Narsinghpur (East Madhya Pradesh)** over the plains of the country (Fig.4).
- ❖ **Maximum Temperature Departures (as on 09-08-2024):** Maximum temperatures were **above normal (1.6°C to 3.0°C)** at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Gujarat state, Konkan & Goa, Madhya Maharashtra, North Interior Karnataka, Telangana, Tamil Nadu, Puducherry & Karaikal, Odisha and Coastal Andhra Pradesh & Yanam. These were **appreciably below normal (-3.1°C to -5.0°C)** at isolated places over East Madhya Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, East Rajasthan, Odisha; **below normal (-1.6°C to -3.0°C)** at isolated places over East Uttar Pradesh, Haryana-Chandigarh-Delhi, West Madhya Pradesh, Tamil Nadu, Puducherry & Karaikal and **near normal** over rest parts of the country. Yesterday, **the highest Maximum Temperature of 38.5°C** was reported at **Sri Ganganagar (West Rajasthan)** over the country (Fig. 2).

Meteorological Analysis (Based on 0530 hours IST)

- ❖ The **cyclonic circulation** over northeast Rajasthan and neighbourhood extending upto 5.8 km above mean sea level tilting southwestwards with height persists.
- ❖ The **cyclonic circulation** over southeast Uttar Pradesh & neighbourhood extending upto 4.5 km above mean sea level persists.
- ❖ The **Monsoon trough** at mean sea level now passes through Firozpur, Hissar, Orai, Varanasi, Jamshedpur, Digha and thence east-southeastwards to northeast Bay of Bengal and extends upto 1.5 km above mean sea level with above mentioned cyclonic circulations, the first over northeast Rajasthan and second over southeast Uttar Pradesh.
- ❖ The **cyclonic circulation** over northeast Assam extending upto 1.5 km above mean sea level persists.
- ❖ The **cyclonic circulation** over south Jharkhand & neighbourhood between 5.8 & 7.6 km above mean sea level tilting southwards with height persists.

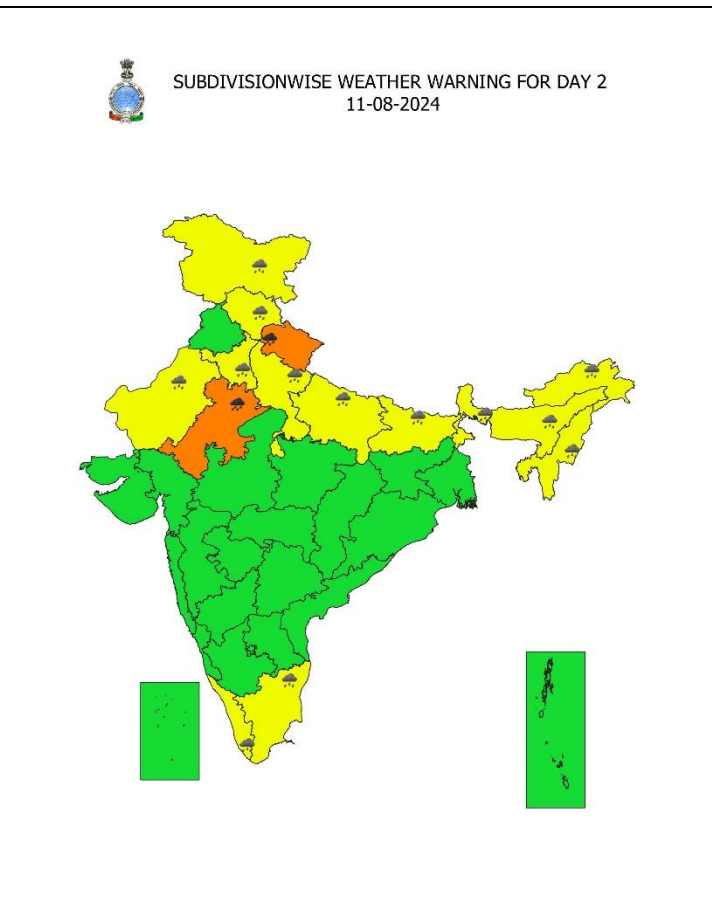
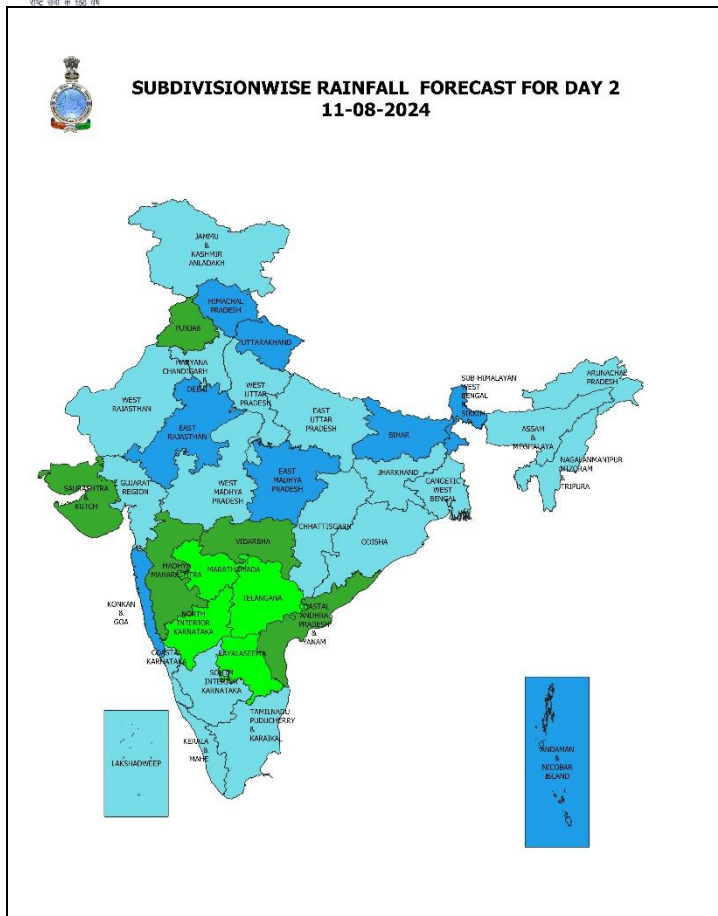
Weather Forecast & Warnings for next 7 days (Upto 0830 hours IST of 17th August, 2024)



10 August (Day 1):

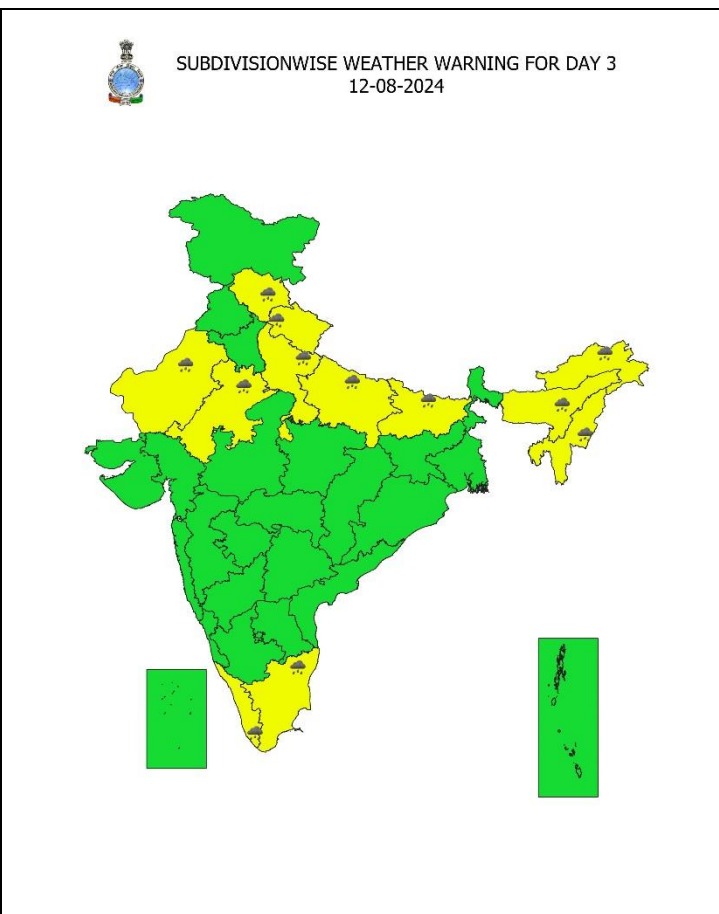
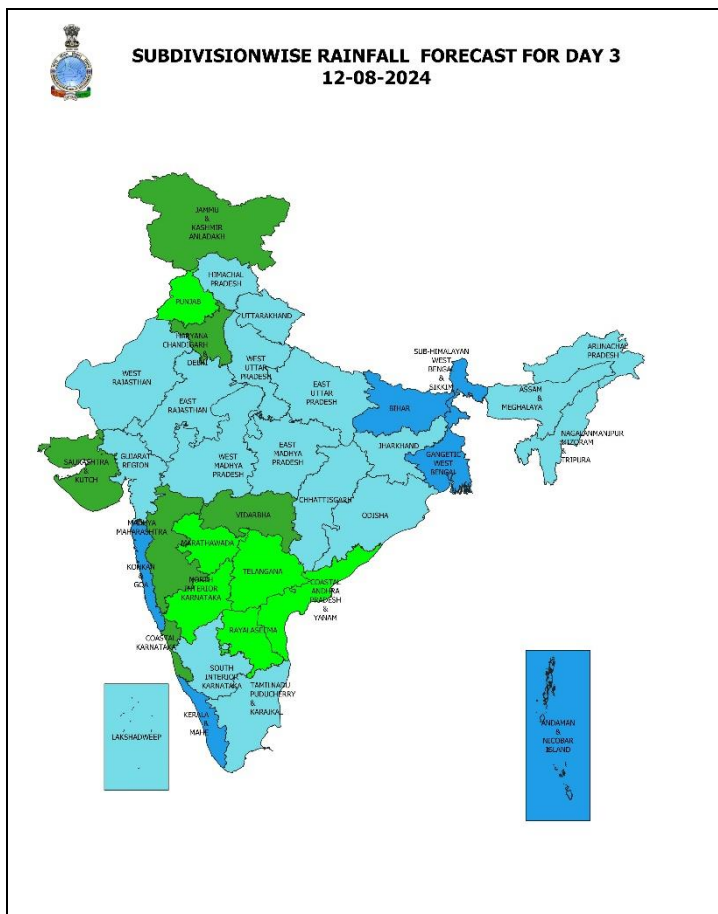
Heavy to very heavy rainfall (≥ 12 cm) very likely at isolated places over Arunachal Pradesh, Bihar, Himachal Pradesh, Uttarakhand, East Rajasthan and West Madhya Pradesh; **Heavy rainfall (≥ 7 cm)** at isolated places over Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Odisha, Jharkhand, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Haryana-Chandigarh, Uttar Pradesh, west Rajasthan, East Madhya Pradesh, Konkan & Goa, ghat areas of Madhya Maharashtra, Gujarat Region, Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka, Rayalaseema and Coastal Andhra Pradesh & Yanam.

- ❖ **Squally weather with wind speed reaching 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail over northeast and adjoining northwest Arabian sea, parts of eastcentral Arabian sea and many parts of westcentral Arabian sea, northern parts of southwest Arabian sea, along and off Gujarat coast, gulf of Mannar, off Sri Lanka coast, parts of southwest Bay of Bengal, central parts of Bay of Bengal. **Squally winds with speed reaching 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over west central and adjoining eastcentral Arabian sea & adjoining areas of southwest Arabian sea, along & off Somalia, Yemen & Oman coasts. Fishermen are advised not to venture into these areas.



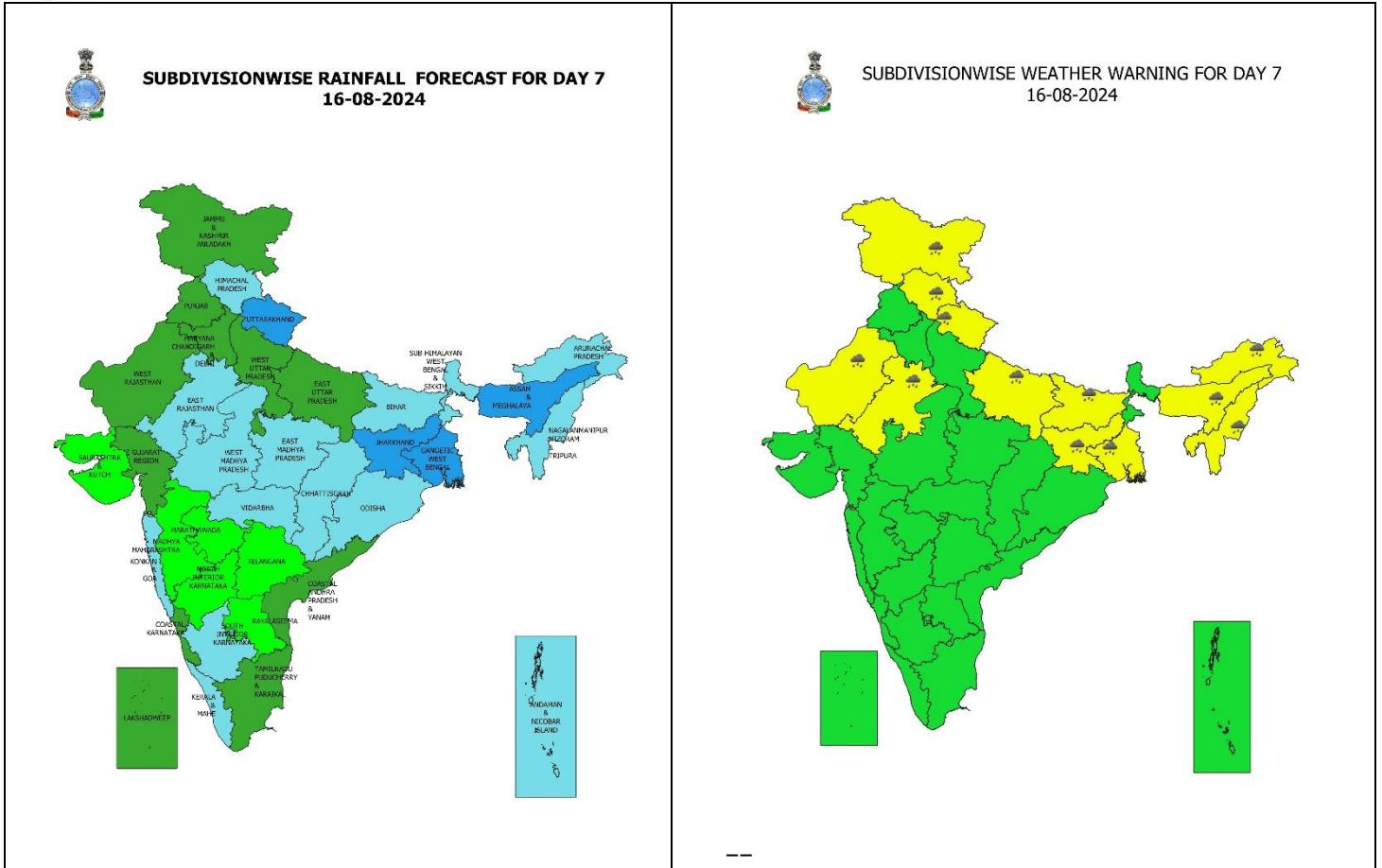
11 August (Day 2):

- ❖ **Heavy to very heavy rainfall (≥ 12 cm)** very likely at isolated places over Uttarakhand and East Rajasthan; **Heavy rainfall (≥ 7 cm)** at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim, Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Haryana-Chandigarh, Uttar Pradesh, West Rajasthan, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- ❖ **Squally weather with wind speed reaching 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail over northeast and adjoining northwest Arabian sea, parts of eastcentral Arabian sea and many parts of westcentral Arabian sea, northern parts of southwest Arabian sea, along and off Gujarat coast, along and off south Kerala coast and adjoining Lakshadweep area, gulf of Mannar, off Sri Lanka coast, parts of southwest Bay of Bengal, central parts of Bay of Bengal, southern parts of northwest Bay of Bengal. **Squally winds with speed reaching 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over west central and adjoining eastcentral Arabian sea & adjoining areas of southwest Arabian sea, along & off Somalia, Yemen & Oman coasts. Fishermen are advised not to venture into these areas.



12 August (Day 3):

- ❖ **Heavy rainfall (≥ 7 cm)** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Bihar, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Rajasthan and Tamil Nadu, Puducherry & Karaikal.
- ❖ **Squally weather with wind speed reaching 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail over northeast and adjoining northwest Arabian sea, parts of eastcentral Arabian sea and many parts of westcentral Arabian sea, northern parts of southwest Arabian sea, along and off Gujarat coast, along and off south Kerala coast and adjoining Lakshadweep area, gulf of Mannar, off Sri Lanka coast, southwest and adjoining southeast Bay of Bengal, many parts of central Bay of Bengal, southern parts of northwest Bay of Bengal. **Squally winds with speed reaching 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over west central and adjoining eastcentral Arabian sea & adjoining areas of southwest Arabian sea, along & off Somalia, Yemen & Oman coasts. Fishermen are advised not to venture into these areas.



16 August (Day 7):

❖ **Heavy rainfall (≥ 7 cm)** at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Jharkhand, Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, East Uttar Pradesh and Rajasthan.

Weather Outlook for subsequent 3 days (During 17th August - 19th August, 2024)

❖ Fairly widespread to widespread rainfall likely over most parts of the country except southwest Rajasthan, interior Maharashtra, Coastal & North Interior Karnataka where isolated to scattered rainfall likely.

- Action may be taken based on **ORANGE AND RED COLOUR** warnings.
- **Vulnerable regions likely urban and hilly areas** action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

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Impact due to

- **Very heavy rainfall** at isolated places over Himachal Pradesh, Arunachal Pradesh & Bihar, West Madhya Pradesh on 10th; Uttarakhand & East Rajasthan on 10th & 11th August.
 - **Low to Moderate flash flood risk** likely over few watersheds & neighbourhoods of Himachal Pradesh, Uttarakhand, Coastal Karnataka, South Interior Karnataka and Kerala & Mahe Met Sub-divisions on 10th & 11th August. **(ANNEXURE I)**
- ✓ 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/mud slips/land sinks/mud sinks.
 - ✓ 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 Heavy Rainfall likely over various parts of the country

- ✓ Drain out excess water from field crops and horticultural crops in Arunachal Pradesh, Meghalaya, Sub-Himalayan West Bengal, Bihar, Himachal Pradesh, Haryana, East Uttar Pradesh, East Rajasthan, Madhya Pradesh, Chhattisgarh, Tamil Nadu and Coastal Karnataka.
- ✓ Make provision for draining out excess water from standing crop fields and fruit orchards to avoid water stagnation in Assam, Odisha, Uttarakhand, West Uttar Pradesh, West Rajasthan, Konkan & Goa and Madhya Maharashtra (ghat areas).
- ✓ Provide mechanical support to horticultural crops & staking to vegetables.
- ✓ In Arunachal Pradesh, make proper arrangement for runoff management in Jhum rice fields by putting obstacles across the slopes.
- ✓ In Meghalaya, withhold sowing of cowpea and millets.

FLASH FLOOD GUIDANCE:

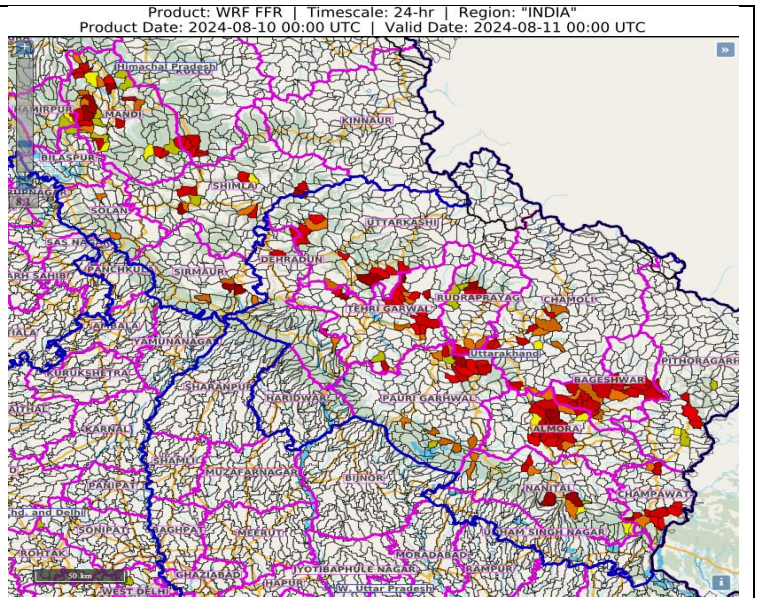
Annexure-I

24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 11-08-2024 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of **Himachal Pradesh** - Kullu, Mandi, Shimla and Sirmaur districts.

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

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over 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 11-08-2024 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of **Coastal Karnataka** - Dakshin Kannada and Udupi districts.

Kerala & Mahe - Kannur, Kasargod, Kozikod, Malappuram, Palakkad and Wayanad districts.

SI Karnataka - Chikmagalur, Hassan and Kodagu districts.

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

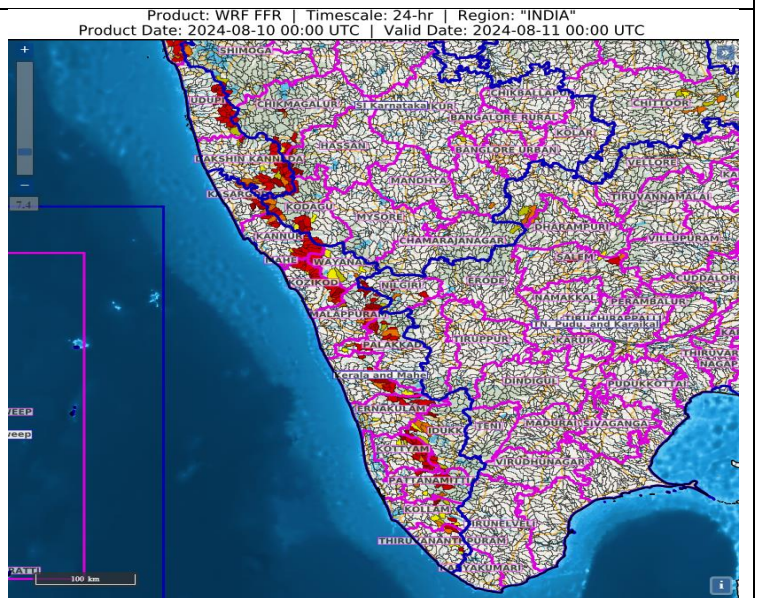


Fig. 1: Maximum Temperatures

Fig. 2: Departure of Maximum Temperatures

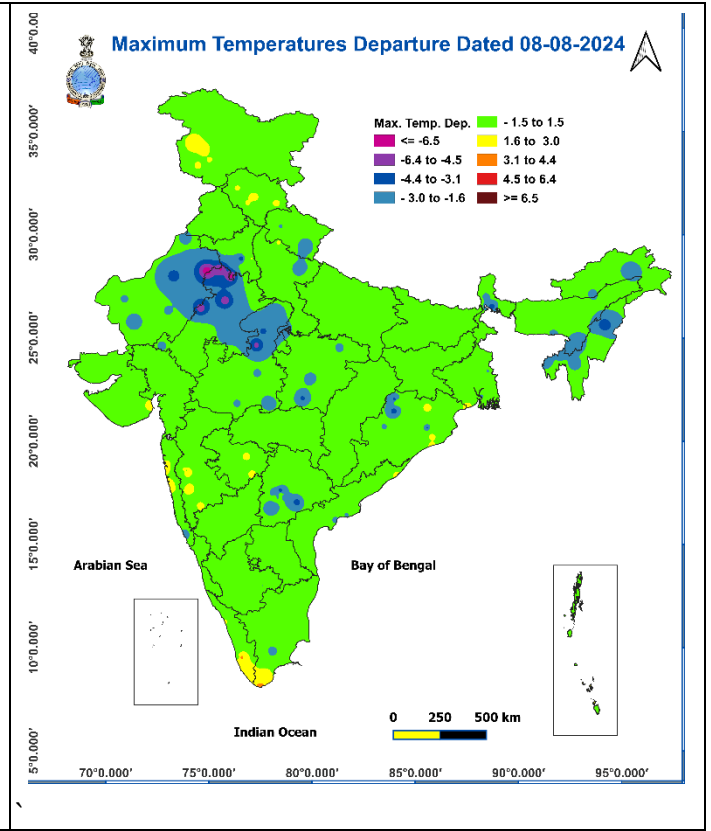
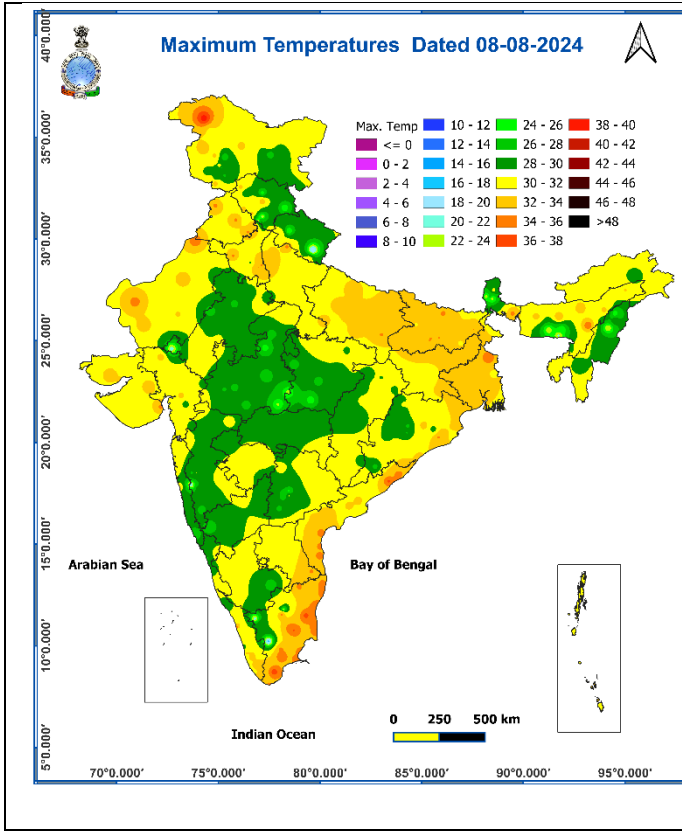


Fig. 3: Minimum Temperatures

Fig. 4: Departure of Minimum Temperatures

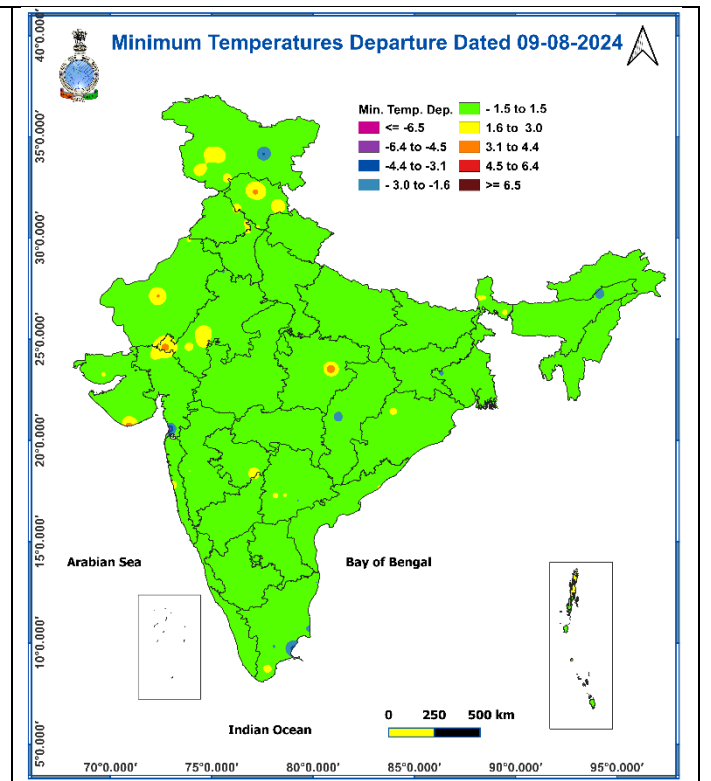
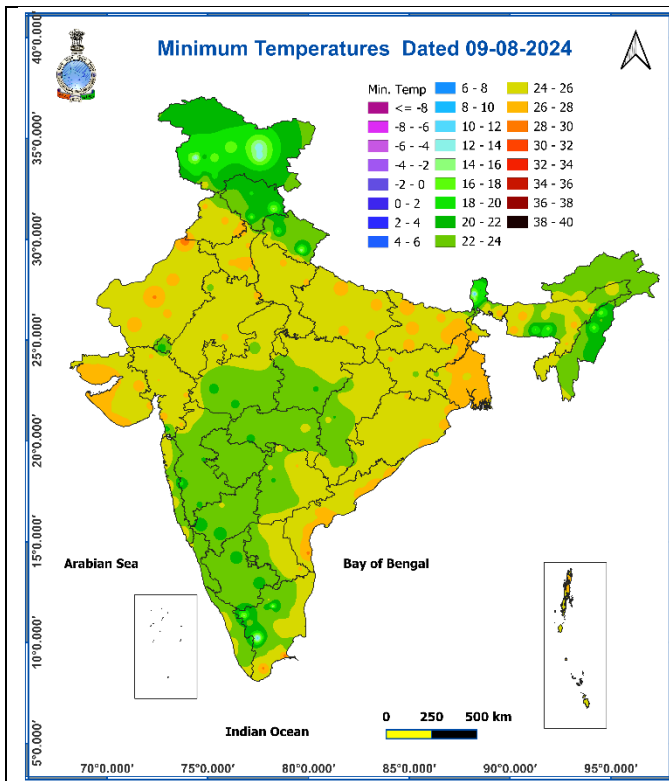
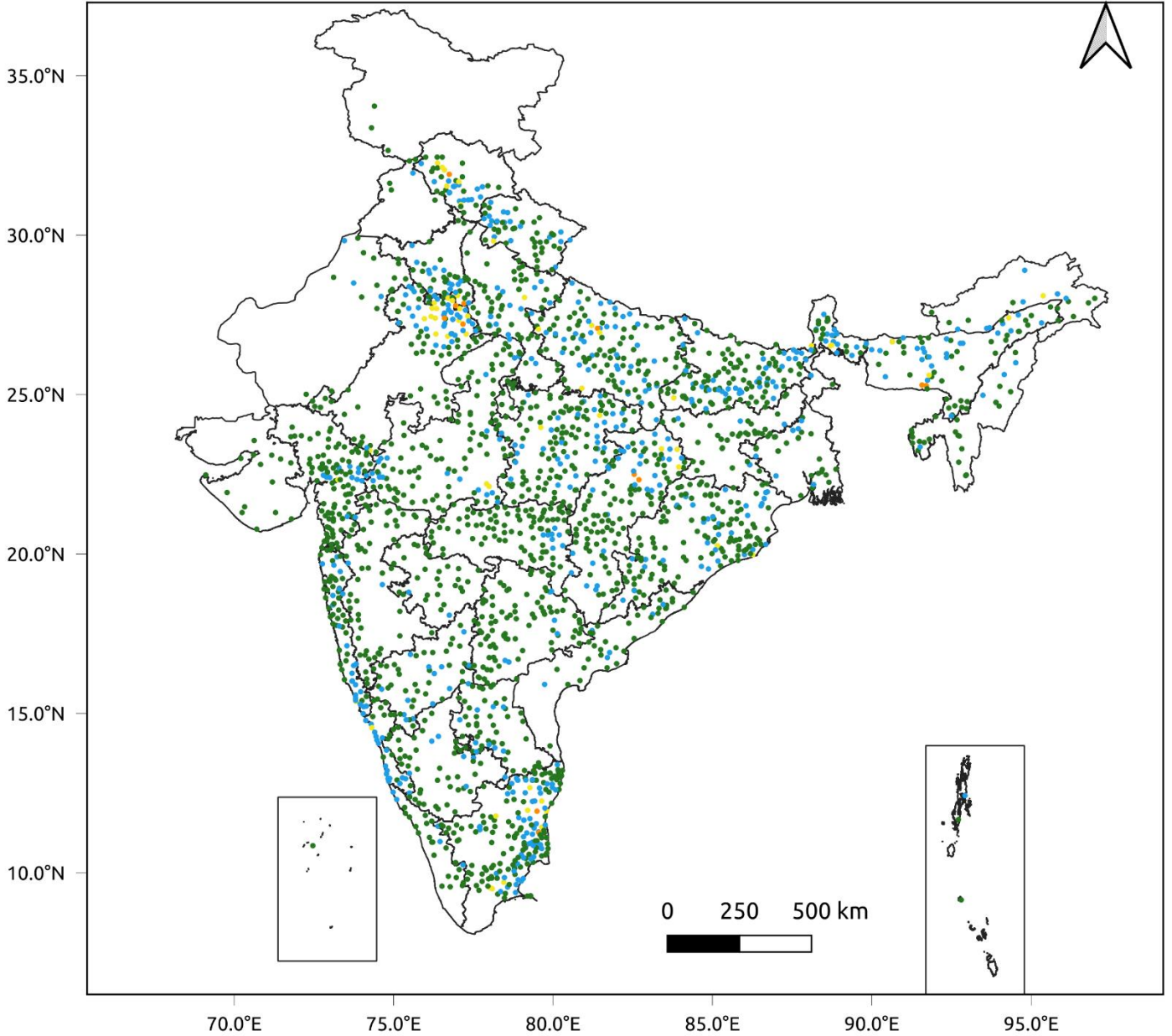


Fig. 5: Accumulated Rainfall (mm) during past 24 hours



24 Hr cumulative rainfall recorded over different stations during 0830 IST of 8-8-2024 to 0830 IST of 9-8-2024

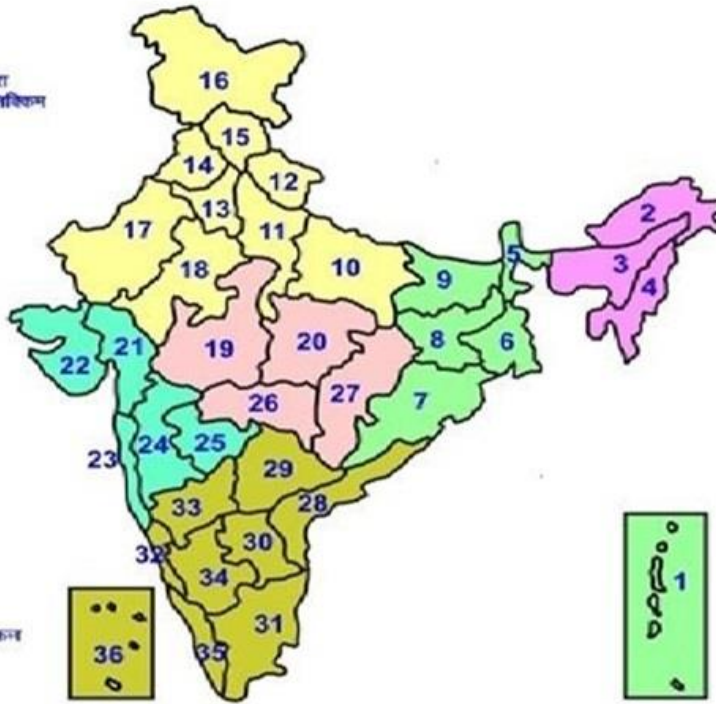


Legends

- Very Light to Light Rainfall (0.1 - 15.5 mm)
- Moderate Rainfall (15.6 - 64.4 mm)
- Heavy Rainfall (64.5 - 115.5 mm)
- Very Heavy Rainfall (115.6 - 204.4 mm)
- Extremely Heavy Rainfall (≥ 204.5 mm)

LEGENDS

- 1 अंडमन और निकोबार द्वीप समूह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिशा
- 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 कोकण एवं गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठवाड़ा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 उत्तर आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 दक्षिण तमिलनाडु
- 31 तमिलनाडु, पुदुचेरी एवं कराईकल
- 32 उत्तरि कर्नाटक
- 33 अंतरि कर्नाटक
- 34 अंतरि 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. Odisha
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

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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



Rain/ Snow *

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



Heat Wave

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



Warm Night

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



Cold Wave

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 $\leq 15^\circ\text{C}$



Cold Day

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



Fog

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



Thunderstorm

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



Dust/Sand Storm

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



Frost

Ice deposits on ground

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



Squall

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



Sea State

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



Cyclone

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)

* Red colour warning does not mean "Red Alert", Red colour warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day.

For more details, kindly visit <https://mausam.imd.gov.in> or contact: 011-2434-4599

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