

Saturday, March 1, 2025
Time of Issue: 0800 hours IST
(MORNING)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features:

Temperature

- ❖ Maximum temperatures were in the range of 35-40°C at most places over Kerala & Mahe, coastal Karnataka at many places over interior Maharashtra, south Gujarat, west Telangana, south Odisha, North coastal Andhra Pradesh and south Chhattisgarh; 30-35°C at many places over Konkan & Goa, Central India, North Odisha, interior Karnataka, South Rajasthan, north Chhattisgarh & Gangetic West Bengal; at a few places over southeast Uttar Pradesh, Jharkhand, south Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura. Yesterday, the highest **maximum temperature** of **40.2°C** was reported at **Kannur Airport (Kerala)** over the plains of the country.
- ❖ During the past 24 hours, **maximum temperatures** had fallen by 3-6°C at many places over western Himalayan region by 1-3°C at a few places over northeast Rajasthan, Gujarat region, east Uttar Pradesh and Nagaland, Manipur, Mizoram & Tripura. It has risen by 2-4°C at many places over West Rajasthan, Punjab, Haryana and east India and no significant change over rest parts of the country.

i. Weather Systems, Forecast and warning:

- ❖ A Western Disturbance lay as a trough in lower to upper tropospheric levels with its axis at 3.1 km above mean sea level roughly along Long. 62°E to the north of Lat. 30°N.
- ❖ High moisture feeding is also taking place over northwest India in lower tropospheric levels from Arabian Sea. As a result:
- ✓ **Isolated to Scattered** light to moderate rainfall accompanied with thunderstorm & lightning likely over Bihar, Uttar Pradesh & Rajasthan on 01st March with **gusty winds (speed 30-40 kmph)** over Haryana Chandigarh on 01st March.
- ❖ A fresh **Western Disturbance** is likely to affect Northwest India from 02nd March. Under its influence; **Isolated to Scattered** light/moderate rainfall/snowfall very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Himachal Pradesh during 02nd -04th; Uttarakhand on 03rd & 04th; **Isolated** light/moderate rainfall/snowfall likely over Punjab, Haryana, Chandigarh on 03rd February.
- ❖ A **cyclonic circulation** lies over northeast Assam & adjoining Arunachal Pradesh lower tropospheric levels. Under Its Influence,
- ✓ **Isolated to Scattered** light/moderate rainfall/snowfall accompanied with **thunderstorm, lightning** very likely over Arunachal Pradesh on 01st March; **Isolated to scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds (speed 40-50 kmph)** over Assam & Meghalaya on 01st March; with **thunderstorm & lightning** likely over Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura on 01st March. Isolated **Heavy rainfall** likely over Arunachal Pradesh and Assam & Meghalaya on 01st March.
- ✓ Isolated **Hailstorm** activity also likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 01st March.
- ❖ Under the influence of an active easterly wave;
- ✓ **Scattered to Fairly widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds (speed 30-40 kmph)** very likely over Kerala & Mahe on 01st March; with **thunderstorm, lightning** over Tamilnadu Puducherry & Karaikal on 01st March, Kerala & Mahe on 02nd March; Lakshadweep on 01st & 02nd March with isolated **heavy rainfall** on Tamilnadu Puducherry & Karaikal and Kerala & Mahe on 01st March.

Temperature Forecast:

Minimum Temperature:

- ❖ Gradual fall in minimum temperatures by 3-5°C likely over Northwest India during next 2 days and no significant change thereafter.
- ❖ No significant change in minimum temperatures likely over rest parts of India during next 4-5 days.

Maximum temperature:

- ❖ Gradual rise in maximum temperatures by 4-6°C likely over Northwest India during next 4-5 days.
- ❖ Gradual rise in maximum temperatures by 2-3°C likely over Central India during next 2-3 days.
- ❖ Gradual rise in maximum temperatures by 2-3°C likely over East India during next 24 hours and no significant change thereafter.
- ❖ Gradual fall in maximum temperatures by 2-3°C likely over Gujarat State during next 24 hours and no significant change thereafter.
- ❖ No significant change in maximum temperatures likely over rest parts of India during next 4-5 days.

Hot & Humid weather warnings: **Hot and humid weather** very likely to prevail over Konkan & Goa on 03rd & 04th March and Coastal Karnataka on 01st & 02nd March.

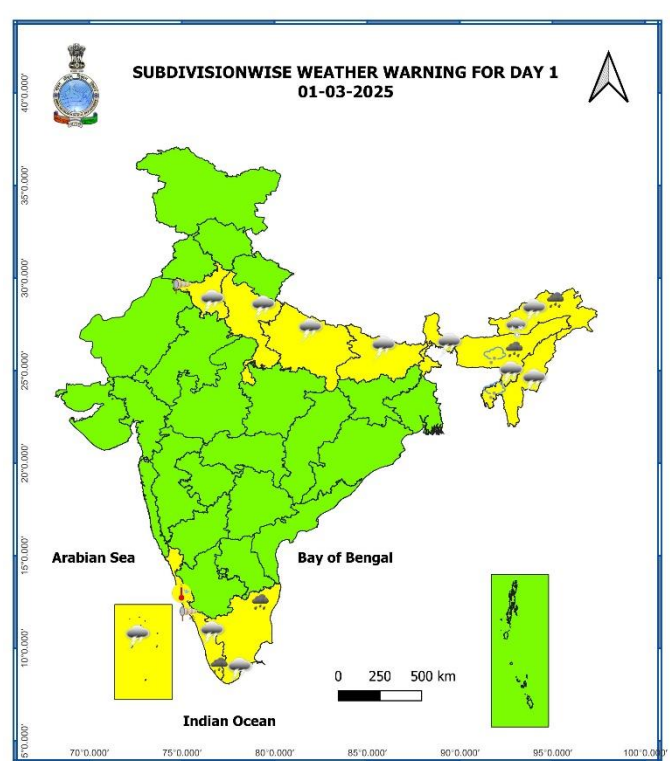
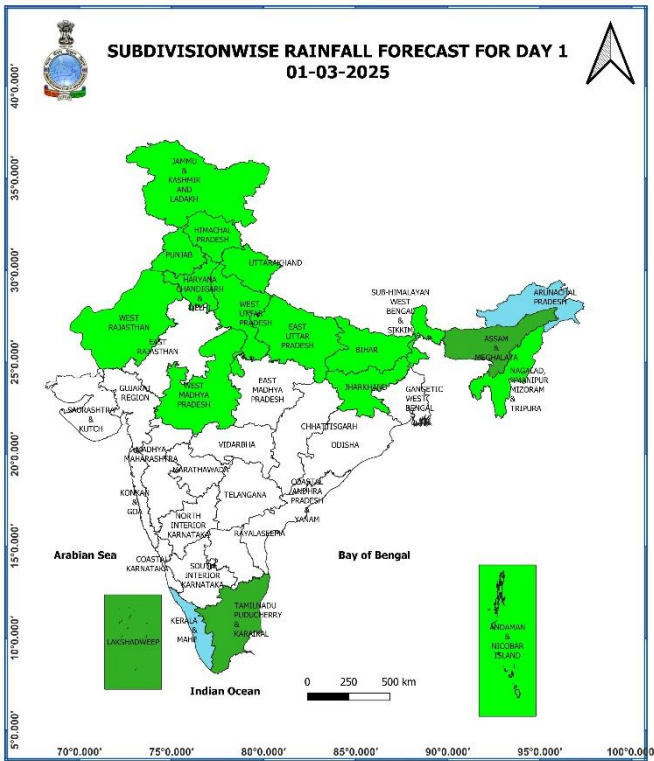
Main Weather Observations:

- ❖ **Rainfall/snowfall distribution** (from 0830 hours IST to 1730 hours IST of yesterday): **at most places** over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh; **at isolated places** over Uttarakhand.
- ❖ **Rainfall distribution** (from 0830 hours IST to 1730 hours IST of yesterday): **at a few places** over West Rajasthan, Haryana and Tamil Nadu, Puducherry & Karaikal; **at isolated places** over Tamil Nadu, Puducherry & Karaikal.
- ❖ **Significant amount of rainfall** (from 0830 hours IST to 1730 hours IST of yesterday) (in cm): **Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad**: Katra, Qazi Gund, Kukernag, Banihal, Bhaderwah, Leh- 1 each, Batote:2; **Himachal Pradesh**: Una, Shimla-1 each, Kalpa-2, Kangra, Mandi- 2 each, Sundernagar- 4, Manali- 5, Bhuntar- 6, Dharamsala- 8; **Uttarakhand**: Dehradun-1, Mukteshwar Kumaon- 2, New Tehri- 4; **Punjab**: Patiala- 3; **Tamil Nadu, Puducherry & Karaikal**: Thanjavur- 1 Karaikal-2, Pamban-3, Nagapattinam-5.
- ❖ **Heavy rainfall recorded** (from 0830 hours IST to 1730 hours IST of yesterday): **Heavy Rainfall/Snowfall observed** at isolated places over Himachal Pradesh.
- ❖ Light to moderate **Rainfall/Snowfall** observed at isolated places over Arunachal Pradesh; Light to moderate **Rainfall** observed at a few places over Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim; at isolated places over Assam & Meghalaya, Bihar, Uttar Pradesh, Tamilnadu Puducherry & Karaikal and Kerala & Mahe.
- ❖ **Thunderstorm with lightning** reported at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh & Punjab.
- ❖ **Hailstorm** recorded at isolated places over **Punjab**: Patiala.
- ❖ **Gusty winds** observed at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and north Punjab.
- ❖ **Heat Wave conditions** observed at isolated places over Konkan & Coastal Karnataka.
- ❖ **Hot & Humid weather conditions** observed at isolated places over Konkan.
- ❖ **Minimum Temperature Departures (as on 28-02-2025)**: Minimum temperatures were **markedly above normal (5.1°C or more)** at a few places over Delhi, Punjab and West Rajasthan; at isolated places over Uttarakhand, Uttar Pradesh, Gujarat Region and Madhya Pradesh; **appreciably above normal (3.1°C to 5.0°C)** at most places over Haryana-Chandigarh; at a few places over East Rajasthan, Madhya Maharashtra and Saurashtra & Kutch, at isolated places over Bihar, Assam & Meghalaya and Tamil Nadu, Puducherry & Karaikal; **above normal (1.6°C to 3.0°C)** at many places over North Interior Karnataka; at a few places over Konkan & Goa and Coastal Andhra Pradesh & Yanam; at isolated places over West Bengal & Sikkim, Vidarbha, Odisha and Kerala & Mahe. These were **below normal (-3.0°C to -1.6°C)** at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and near normal over rest parts of the country (**Fig. 4**). Yesterday, the **lowest minimum temperature** of **11.5°C** was reported at **Nahan (Haryana)** over the plains of the country.
- ❖ **Maximum Temperature Departures (as on 28-02-2025)**: Maximum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at many places over Madhya Pradesh and Vidarbha; at a few places over East Rajasthan; at isolated places over Chhattisgarh; **above normal (1.6°C to 3.0°C)** at a few places over Assam & Meghalaya, Gujarat state, Odisha and Kerala & Mahe; at isolated places over East Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Konkan & Goa, Madhya Maharashtra, Marathwada, Vidarbha, Telangana, Lakshadweep, Tamil Nadu, Puducherry & Karaikal, Lakshadweep. These were **markedly below normal (-5.1°C or less)** at a few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at isolated places over Himachal Pradesh and Uttarakhand; **below normal (-3.0°C to -1.6°C)** at isolated places over Punjab and near normal over rest parts of the country (**Fig. 2**). Yesterday, the highest **maximum temperature** of **40.2°C** was reported at **Kannur Airport (Kerala)** over the country.

Meteorological Analysis (Based on 0530 hours IST)

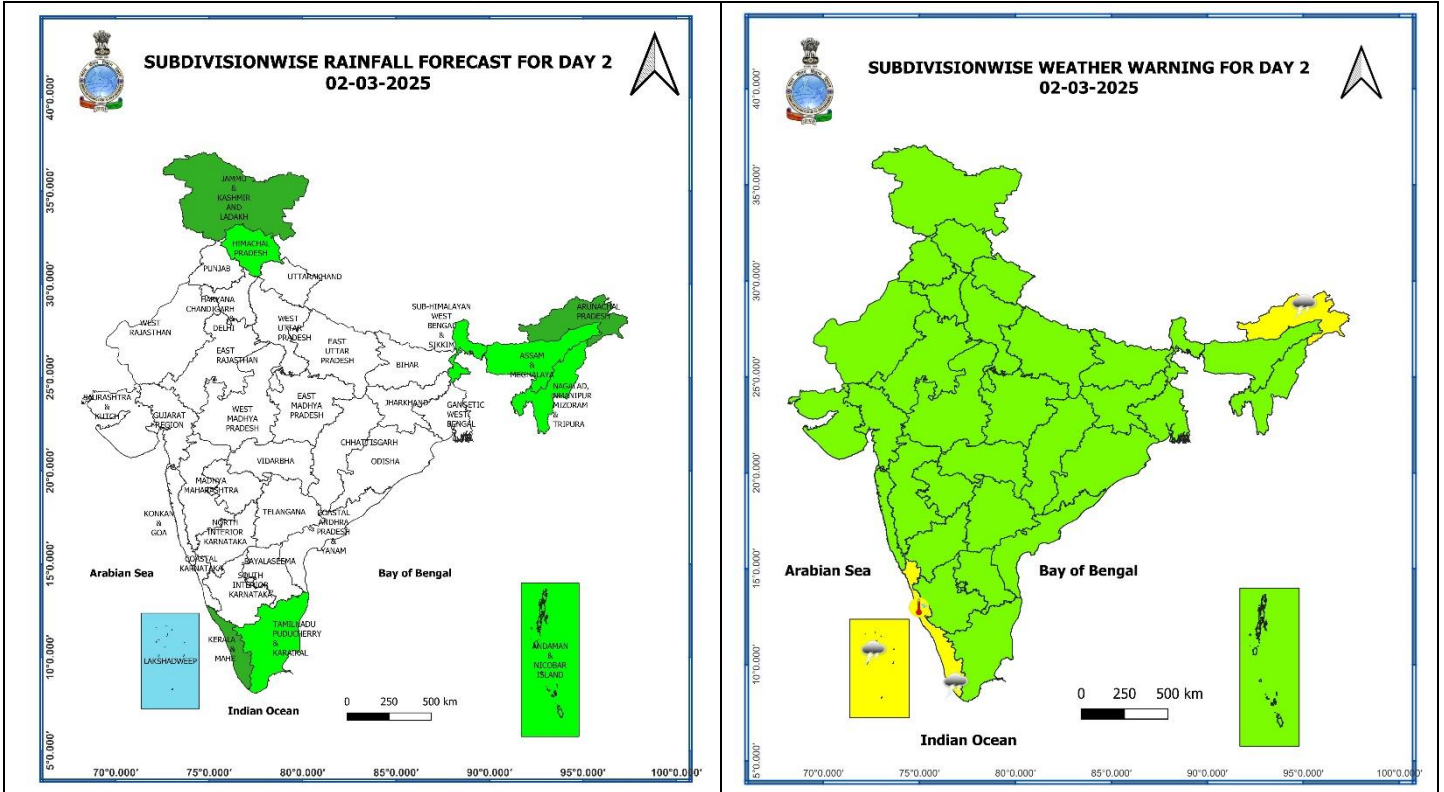
- ❖ The **Western Disturbance** as a trough in lower to upper tropospheric levels with its axis at 3.1 km above mean sea level now runs roughly along Long. 62°E to the north of Lat. 30°N.
- ❖ The induced **low-pressure area** over west Rajasthan & adjoining parts of Pakistan has become less marked. However, the associated cyclonic circulation now lies over southwest Rajasthan & neighbourhood at 1.5 km above mean sea level.
- ❖ The **cyclonic circulation** over northeast Assam & adjoining Arunachal Pradesh at 3.1 km above mean sea level persists.
- ❖ A **trough** in easterlies runs from central parts of Comorin area to central parts of Sri Lanka and extends upto 1.5 km above mean sea level.
- ❖ A fresh **Western Disturbance** is likely to affect Northwest India from 02nd March.
- ❖ The **trough** from west Rajasthan & adjoining parts of Pakistan to northern parts of Madhya Maharashtra across Gujarat at 0.9 km above mean sea level has become less marked.

Weather Forecast & Warnings for next 7 days (Upto 0830 hours IST of 08th March, 2025)



01st March (Day 1):

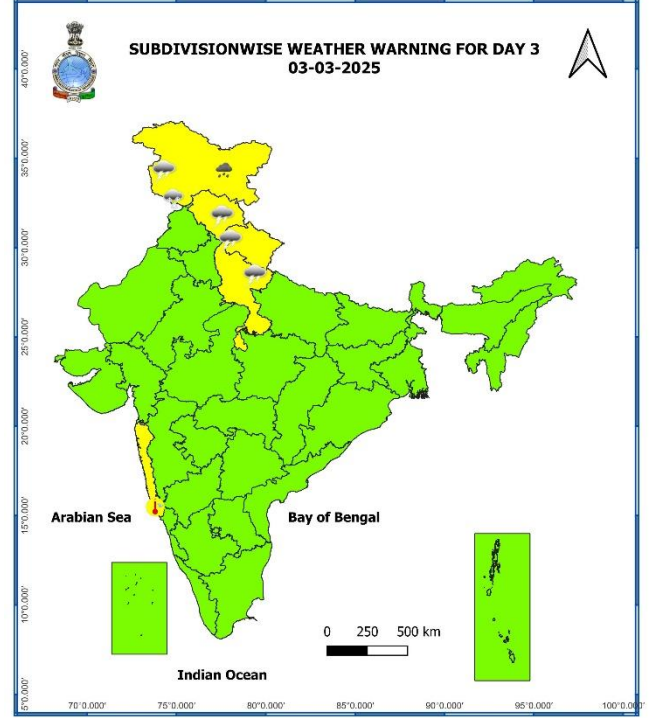
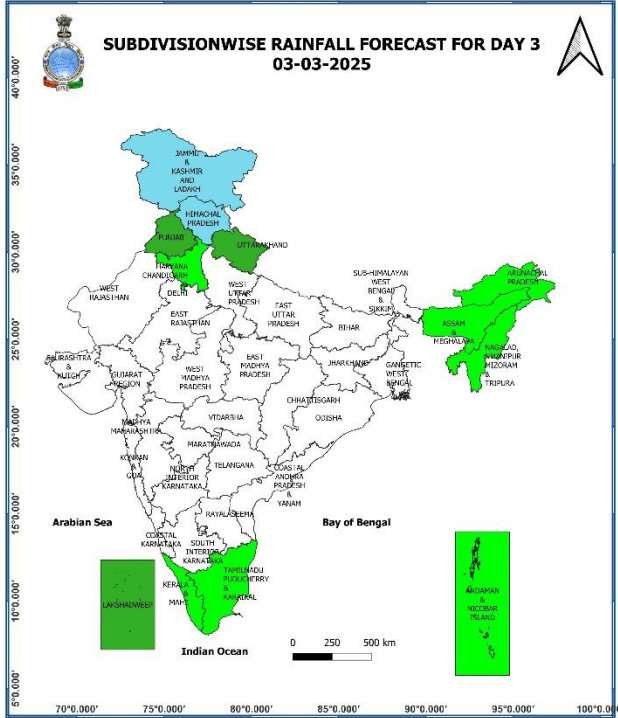
- ❖ **Heavy Rainfall (≥ 7 cm)** very likely at isolated places of Arunachal Pradesh, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- ❖ **Thunderstorm accompanied with gusty wind (40-50 kmph), Hailstorm & lightning** very likely at isolated places over Assam & Meghalaya; **with gusty wind (30-40 kmph) & lightning** at isolated places over Haryana-Chandigarh-Delhi, and Kerala & Mahe; **with Hailstorm** at isolated places over Nagaland, Manipur, Mizoram & Tripura; **with lightning** at isolated places over Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Bihar, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.
- ❖ **Hot & Humid conditions** very likely in isolated pockets of Coastal Karnataka.
- ❖ **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail over along and off south Kerala coast and adjoining Lakshadweep area, gulf of Mannar & adjoining Comorin area, along and off south Tamil Nadu coast. Fishermen are advised not to venture into these areas.



02nd March (Day 2):

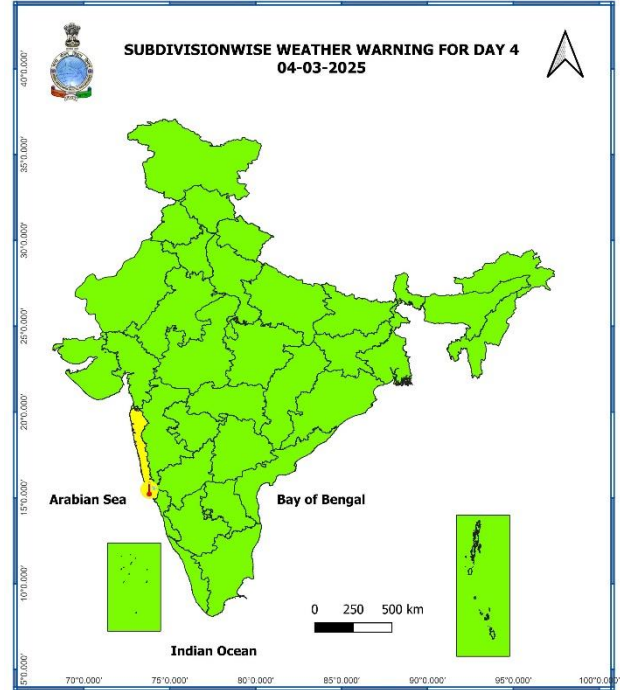
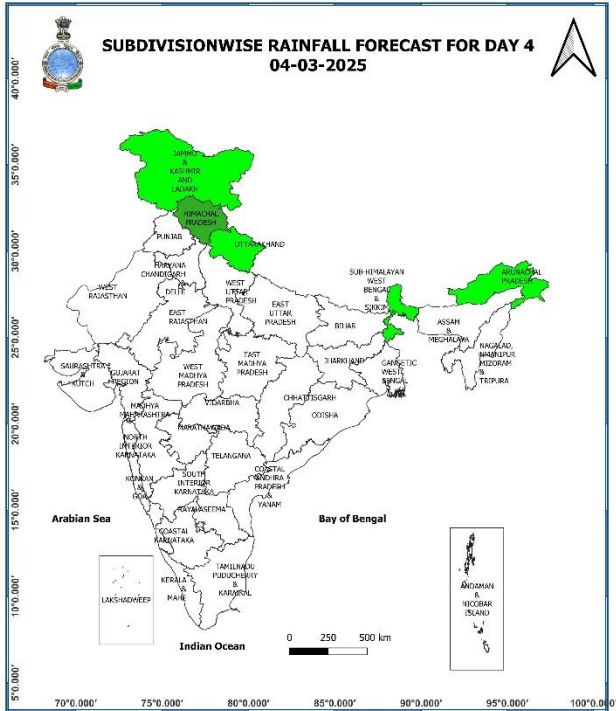
- ❖ **Thunderstorm accompanied with lightning** very likely at isolated places over Arunachal Pradesh, Kerala & Mahe and Lakshadweep.
- ❖ **Hot & Humid conditions** very likely at isolated pockets of Coastal Karnataka.
- ❖ **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** likely to prevail over Lakshadweep area. Fishermen are advised not to venture into these areas.

* Red colour warning does not mean "Red Alert", Red colour warning means "Take Action".
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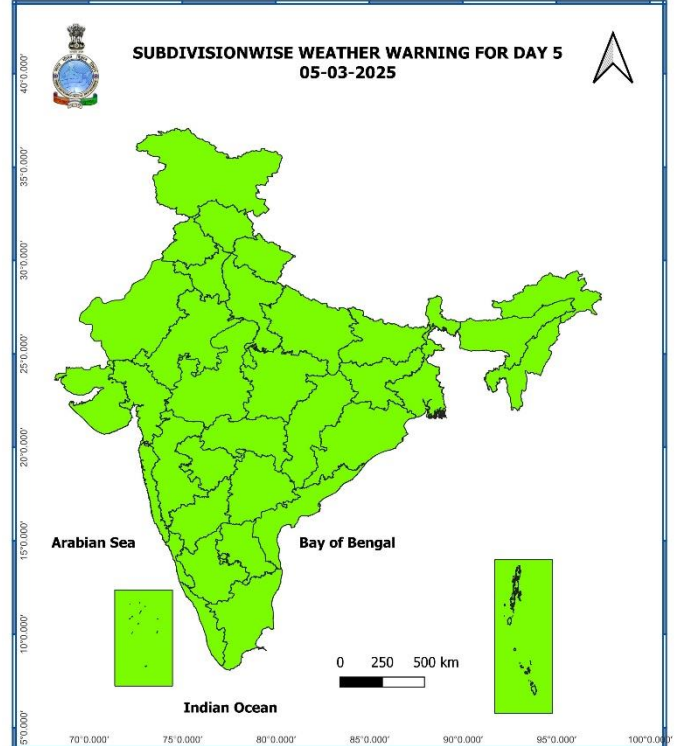
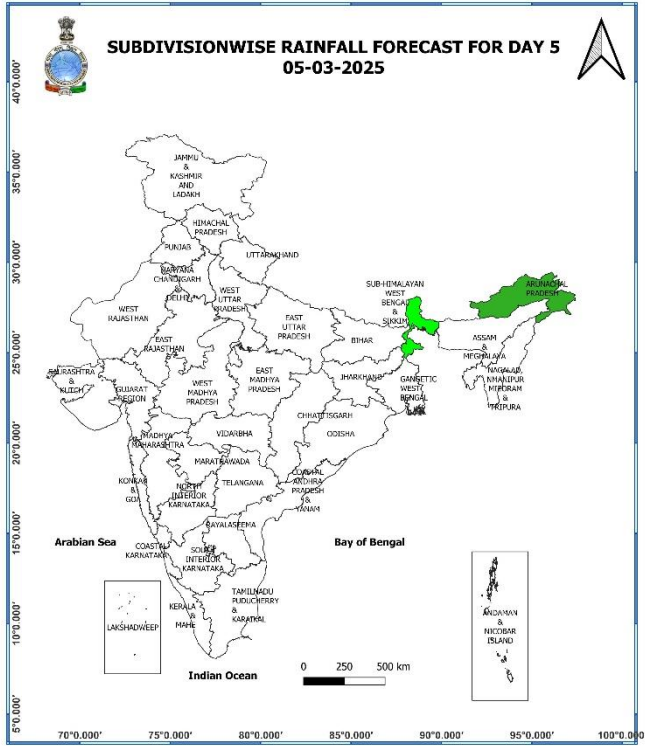
03rd March (Day 3):

- ❖ **Heavy Rainfall (≥ 7 cm)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with lightning** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand and West Uttar Pradesh.
- ❖ **Hot & Humid conditions** likely in isolated pockets of Konkan & Goa.



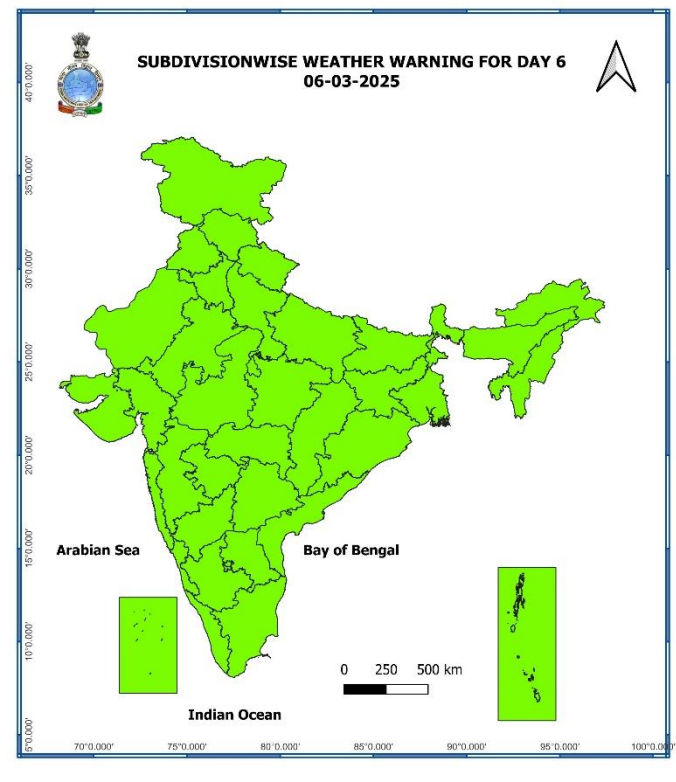
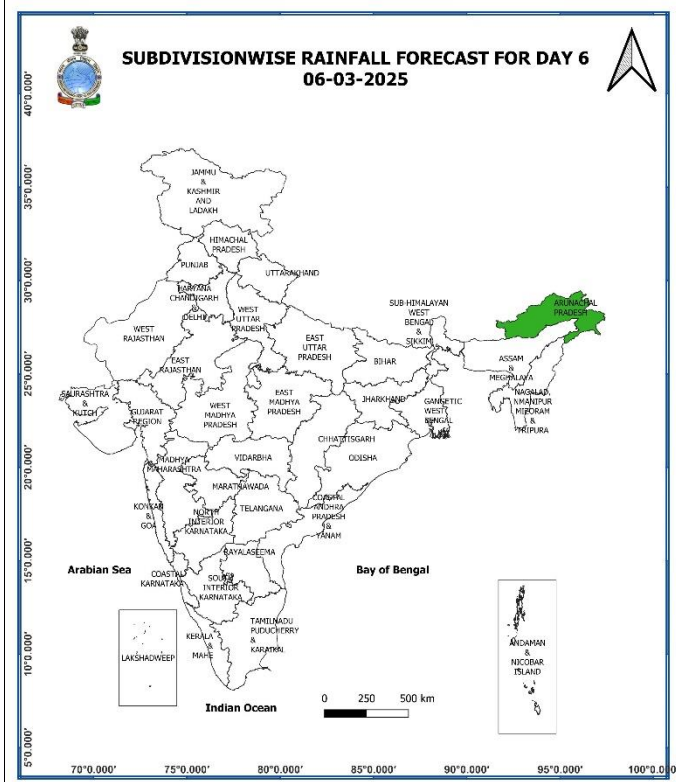
04th March (Day 4):

❖ **Hot & Humid conditions** likely in isolated pockets of Konkan & Goa.



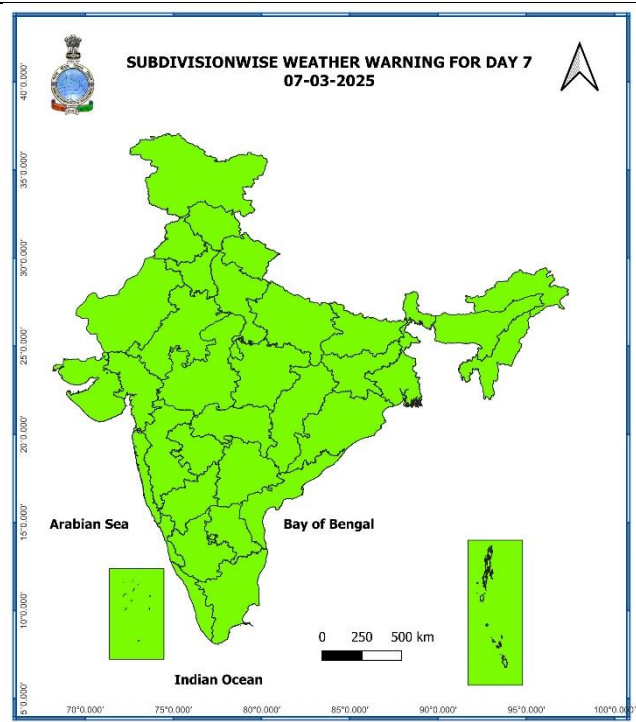
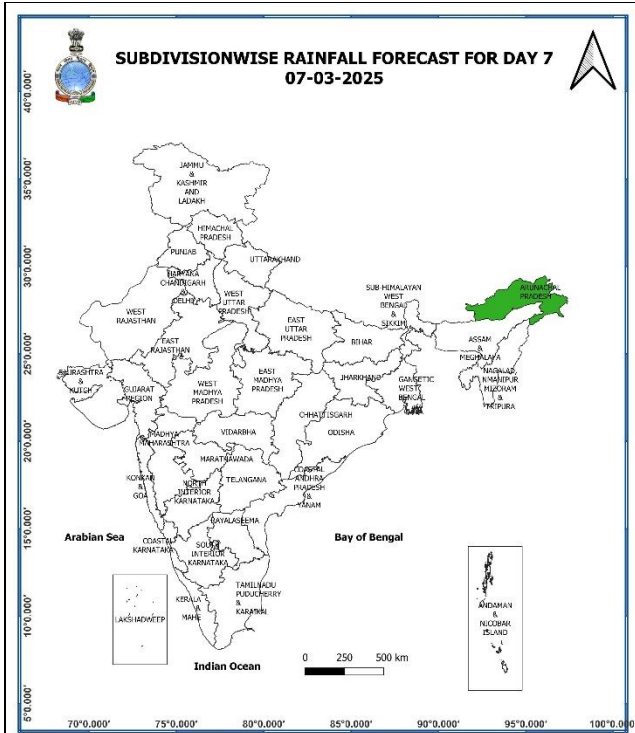
05th March (Day 5):

❖ **No Weather Warning.**



06th March (Day 6):

❖ **No Weather Warning.**



07th March (Day 7):

❖ **No Weather Warning.**

Weather Outlook for subsequent 3 days (During 08th March- 10th March, 2025)

- ❖ **Scattered to fairly widespread rainfall/snowfall** likely over Western Himalayan region.
- ❖ **Isolated to scattered rainfall** likely over plains of Northwest India, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Andaman & Nicobar Islands.

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.**

Fig. 1: Maximum Temperatures

Fig. 2: Departure of Maximum Temperatures

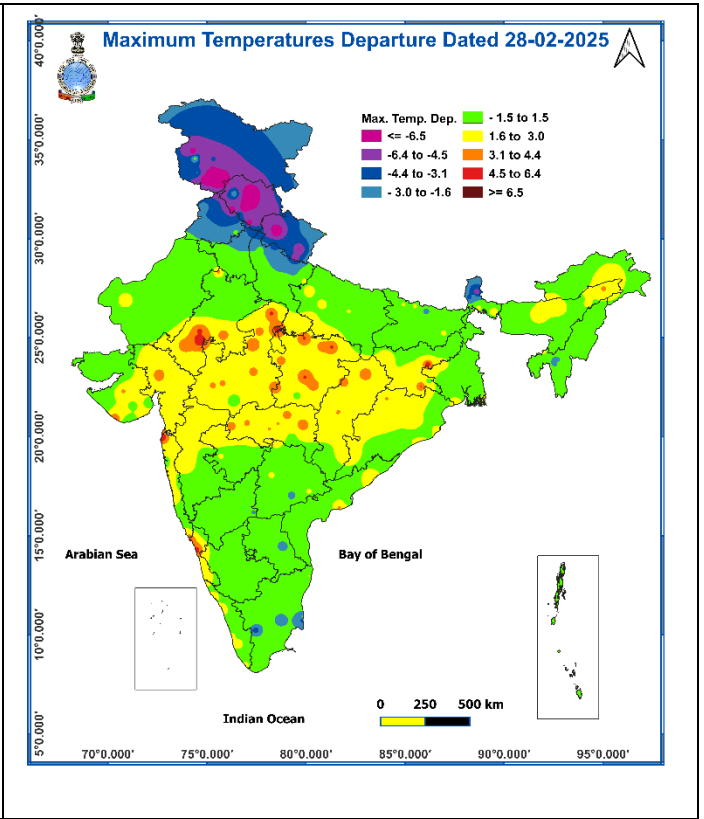
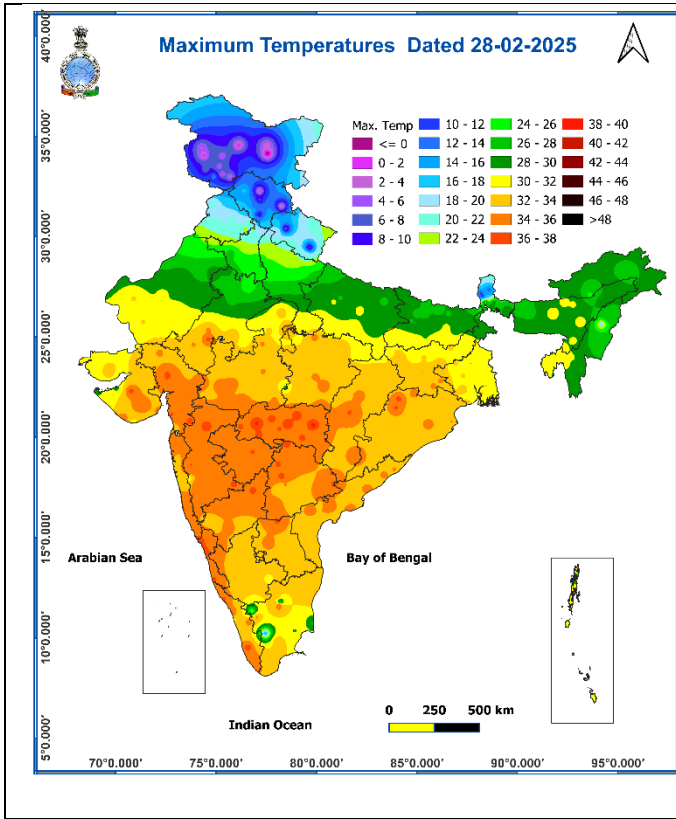
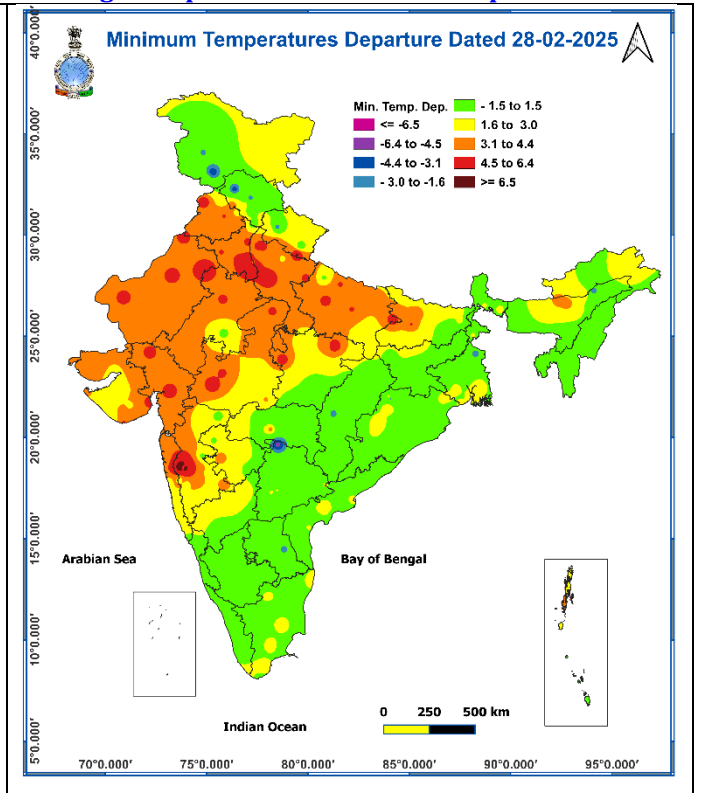
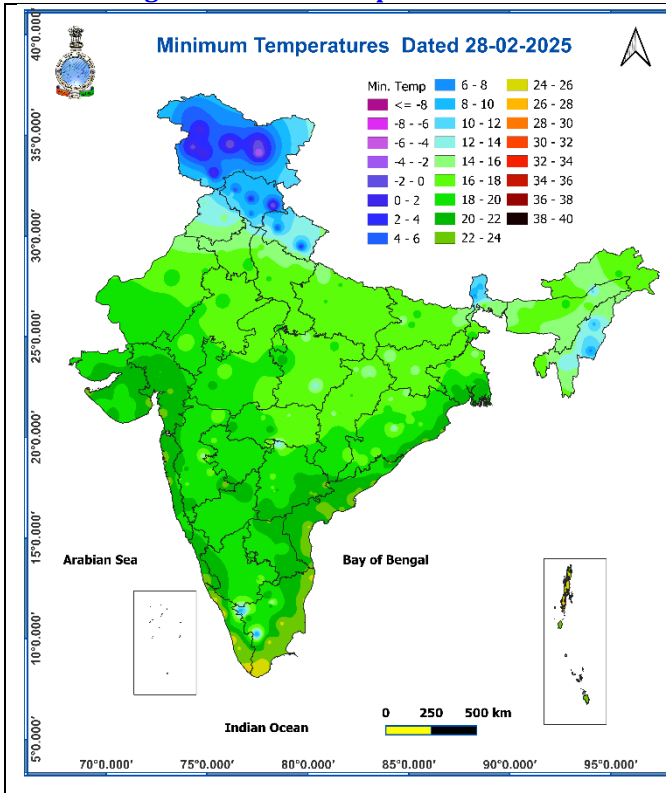


Fig. 3: Minimum Temperatures

Fig. 4: Departure of Minimum Temperatures



Impact & Action Suggested due to heavy rainfall over Arunachal Pradesh, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe on 01st March.

A. Impact Expected

- ❖ Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- ❖ Minor damage to kutcha roads.
- ❖ Possibilities of damage to vulnerable structure.
- ❖ Localized Landslides/Mudslides
- ❖ 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).

B. 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 isolated thunderstorm with lightning/gusty winds & Hailstorm over Northeast India on 01st March.

Impact expected:

- Strong wind/hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.
- Partial damage to vulnerable structures due to strong winds.
- Minor damage to kutcha houses/walls and huts.
- Loose objects may fly.

Action suggested:

- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

Agromet advisories for likely impact of Heavy Rainfall / Snowfall / Hailstorm / Heat Wave

- Use hail nets or hail caps in fruit orchards and vegetable plants to protect them from mechanical damage in **Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana and West Uttar Pradesh.**
- Complete harvesting of matured paddy in **Tamil Nadu and Kerala.**
- Make provision for draining out excess water from the standing crop fields in **Jammu and Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Tamil Nadu and Kerala.** In the regions of heavy snowfall, shake the fruit bearing trees to remove snow immediately from the branches.

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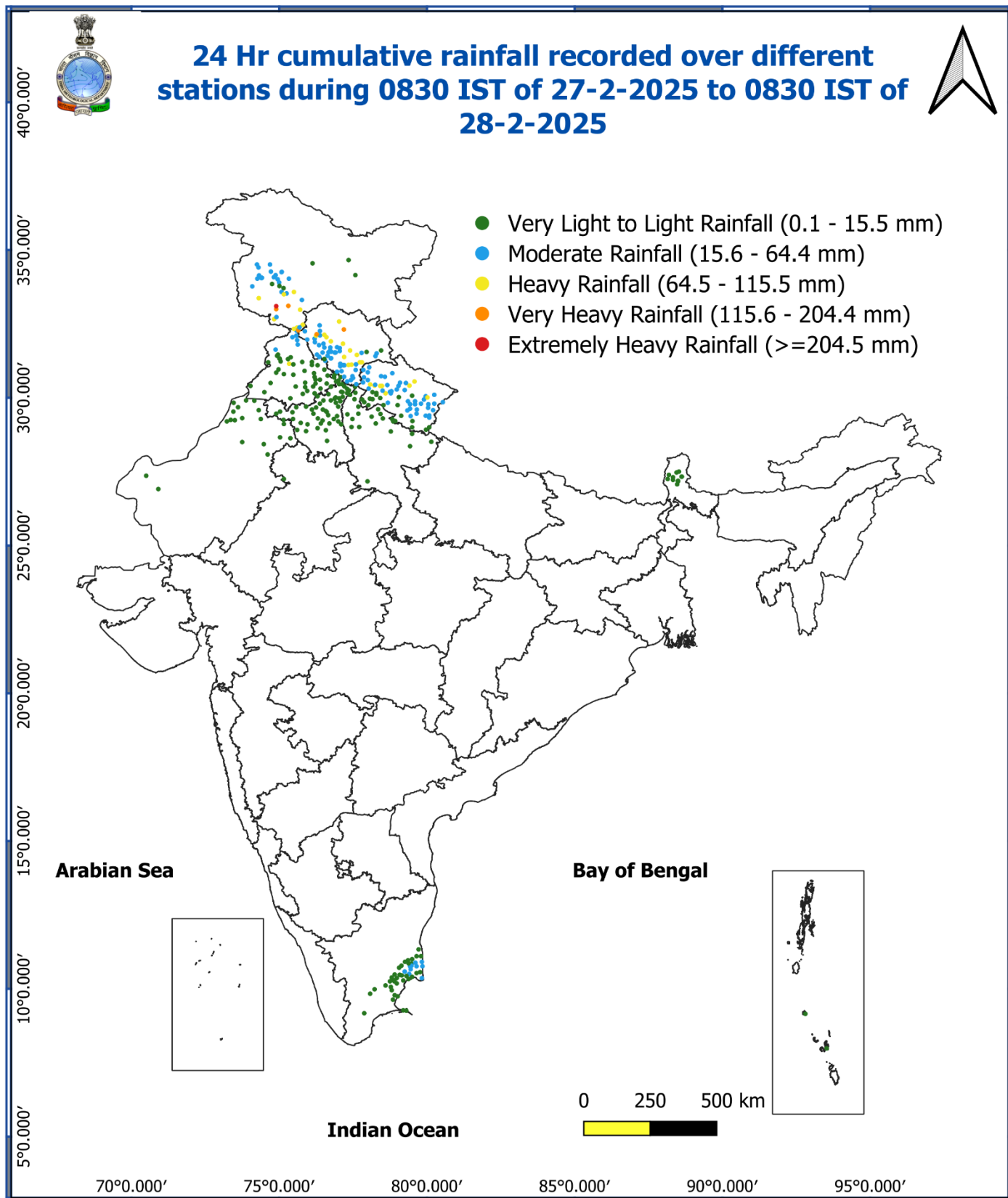


- In **Konkan** and **Coastal Karnataka**, apply light and frequent irrigation to the standing crops in the evening to protect them from heat wave.
- Keep the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields.
- Provide mechanical support to horticultural crops and staking to vegetables to avoid lodging.

Livestock

- Keep the animals inside the shed during heavy rainfall/ hailstorm and provide them balanced feed. Store feed and fodder in a safe place to prevent spoilage.

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



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LEGENDS

1. अंडमान और निकोबार द्वीपसमूह
2. अरुणाचल प्रदेश
3. असम और मेघालय
4. नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
5. उप-हिमालयी पश्चिम बंगाल और सिक्किम
6. गंगीय पश्चिम बंगाल
7. ओडिशा
8. झारखंड
9. बिहार
10. पूर्वी उत्तर प्रदेश
11. पश्चिम उत्तर प्रदेश
12. उत्तराखंड
13. हरियाणा, चंडीगढ़ और दिल्ली
14. पंजाब
15. हिमाचल प्रदेश
16. जम्मू और कश्मीर और लद्दाख
17. पश्चिम राजस्थान
18. पूर्वी राजस्थान
19. पश्चिम मध्य प्रदेश
20. पूर्वी मध्य प्रदेश
21. गुजरात
22. सौराष्ट्र
23. कोंकण और गोवा
24. मध्य महाराष्ट्र
25. मराठवाड़ा
26. विदर्भ
27. छत्तीसगढ़
28. तटीय आंध्र प्रदेश और यनम
29. तेलंगाना
30. रायलसीमा
31. तमिलनाडु, पुडुचेरी और कराईकल
32. तटीय कर्नाटक
33. आंतरिक उत्तरी कर्नाटक
34. आंतरिक दक्षिणी कर्नाटक
35. केरल और 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, Chandigarh & 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. Vidarbha
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)

- | | | |
|----------------------|----------------------|--------------|
| Fog | Heavy Snow | Cold Wave |
| Heavy Rain | Dust Storm | Cold Day |
| Very Heavy Rain | Heat Wave | Ground Frost |
| Extremely Heavy Rain | Warm Night | |
| Thunder & Lightning | Hot Day | |
| Hailstorm | Hot & Humid | |
| Dust Raising Winds | Strong Surface Winds | |

COLOUR CODED WARNING

No Warning (No Action)
Watch (Be Aware)
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

DEFINITION/CRITERIA

Rain/ Snow *	<p>Heavy: 64.5 to 115.5 mm/cm *</p> <p>Very Heavy: 115.6 to 204.4 mm/cm*</p> <p>Extremely Heavy: > 204.4 mm/cm *</p>
Heat Wave	<p>When maximum temperature of a station reaches $\geq 40^\circ\text{C}$ for plains and $\geq 30^\circ\text{C}$ for hilly regions</p> <p>(a) Based on Departure from normal</p> <p>Heat Wave: Maximum Temperature Departure from normal 4.5°C to 6.4°C.</p> <p>Severe Heat Wave: Maximum Temperature Departure from normal $\geq 6.5^\circ\text{C}$</p> <p>(b). Based on Actual maximum temperature</p> <p>Heat Wave: When actual maximum temperature $\geq 45^\circ\text{C}$.</p> <p>Severe Heat Wave: When actual maximum temperature $\geq 47^\circ\text{C}$</p> <p>(c) Criteria for heat wave for coastal stations</p> <p>When maximum temperature departure is $>4.5^\circ\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^\circ\text{C}$</p>
Warm Night	<p>When maximum temperature remains 40°C</p> <p>Warm Night: When minimum temperature departure 4.5°C to 6.4°C.</p> <p>Severe Warm Night: When minimum temperature departure $>6.4^\circ\text{C}$.</p>
Cold Wave	<p>When minimum temperature of a station $\leq 10^\circ\text{C}$ for plains and $\leq 0^\circ\text{C}$ for hilly regions.</p> <p>(a). Based on departure</p> <p>Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C.</p> <p>Severe Cold Wave: Minimum Temperature Departure from normal $\leq -6.5^\circ\text{C}$</p> <p>(b) Based on actual Minimum Temperature (for Plains only)</p> <p>Cold Wave : When Minimum Temperature is $\leq 4.0^\circ\text{C}$</p> <p>Severe Cold Wave: When Minimum Temperature is $\leq 2.0^\circ\text{C}$</p> <p>(c) For Coastal Stations</p> <p>When Minimum Temperature departure is $\leq -4.5^\circ\text{C}$ & actual Minimum Temperature is $\leq 15^\circ\text{C}$</p>
Cold Day	<p>When minimum temperature of a station $\leq 10^\circ\text{C}$ for plains and $\leq 0^\circ\text{C}$ for hilly regions</p> <p>Based on departure</p> <p>Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C.</p> <p>Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^\circ\text{C}$</p>
Fog	<p>Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{km}$</p> <p>Moderate Fog: When the visibility between 500-200 metres</p> <p>Dense Fog: when the visibility between 50- 200 metres</p> <p>Very Dense Fog: when the visibility < 50 metres</p>
Thunderstorm	<p>Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)</p>
Dust/Sand Storm	<p>An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.</p>
Frost	<p>Ice deposits on ground</p> <p>Air temperature $\leq 4^\circ\text{C}$ (over Plains)</p>
Squall	<p>A strong wind that rises suddenly, lasts for atleast 1 minute.</p> <p>Moderate: Wind speed 52-61 kmph</p> <p>Severe: Wind speed 62-87 kmph</p> <p>Very Severe: Wind speed >87 kmph</p>
Sea State	<p>Effect of various waves in the sea over specific area</p> <p>Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre</p> <p>High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre</p> <p>Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre</p>
Cyclone	<p>Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)</p> <p>Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)</p> <p>Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots)</p> <p>Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)</p> <p>Super Cyclone Strom: Wind speed >220 kmph (>119 knots)</p>