

Friday, June 6, 2025  
Time of Issue: 1330 hours IST  
(MID-DAY)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features:

#### Northeast India:

- ✓ Light/moderate rainfall at most/many places likely to continue over northeast India during next 7 days with isolated heavy rainfall over Arunachal Pradesh, Assam & Meghalaya during 09th-12th June.; Tripura on 06th & 07th and Nagaland, Manipur, Mizoram & Tripura during 09th-11th June.

#### East & Central India:

- ✓ Light/moderate rainfall at some places likely to continue over Sub-Himalayan West Bengal & Sikkim during next 7 days.
- ✓ Light/moderate rainfall at isolated/some places accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Madhya Pradesh on 06th & 07th; Vidarbha, Chhattisgarh, Odisha during 06th-10th; Gangetic West Bengal, Bihar on 06th, Bihar, Jharkhand during 10th-12th June.

#### Northwest India:

- ✓ Light/moderate rainfall at isolated places likely over East Rajasthan during 06th-08th; over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh on 11th & 12th June.
- ✓ Dust raising winds (speed 30-40 kmph) very likely over West Rajasthan during 08th-10th June.

#### South Peninsular India:

- ✓ Light/moderate rainfall at many/some places over Kerala & Mahe, Coastal Karnataka during next 7 days.
- ✓ Light/moderate rainfall at some/isolated places accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph** over Coastal Andhra Pradesh, Telangana, Rayalaseema and Karnataka during 06th-10th June.

#### Maximum Temperature Forecast:

- ❖ Rise by 3-5°C in maximum Temperatures likely over Northwest India during next 4 days; fall by about 2°C thereafter.
- ❖ Maximum Temperatures likely to rise by 2-4°C over Central India during next 5 days and no significant change thereafter.
- ❖ Maximum Temperatures likely to rise by 2-4°C over East India during next 2 days and no significant change thereafter.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

#### Heat wave and Hot & Humid warnings:

- ❖ **Heat wave conditions** are likely to prevail over West Rajasthan during 08th-10th; Punjab, Haryana Chandigarh & Delhi, south Uttar Pradesh north Madhya Pradesh on 09th & 10th June.
- ❖ **Hot & humid weather** is likely to prevail over Odisha during 06th-10th; Coastal Andhra Pradesh & Yanam and Tamilnadu Puducherry Karaikal during 06th-08th June.

#### FISHERMEN WARNINGS:

- ❖ Fishermen are advised not to venture along and off Somalia coast and adjoining sea areas during 06th-10th June.
- ❖ Fishermen are advised not to venture over Comorin area, many parts of south Bay of Bengal on 09th & 10th June.

\* 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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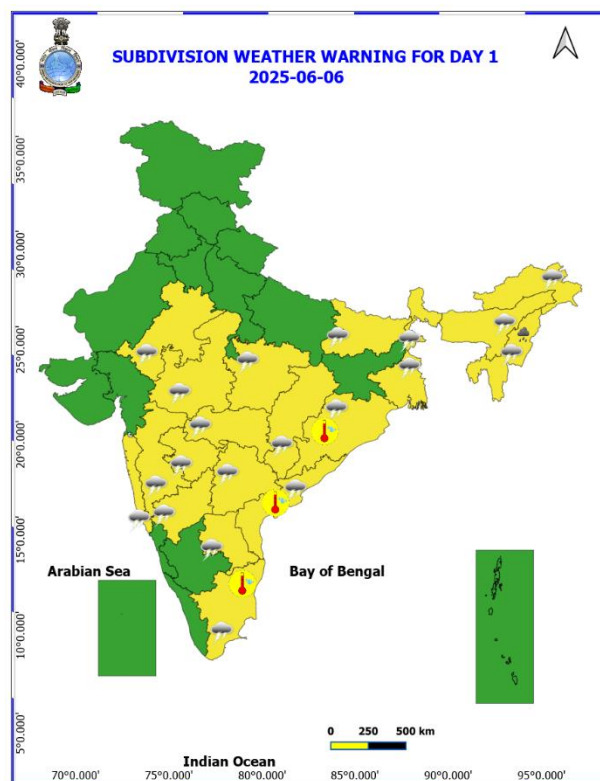
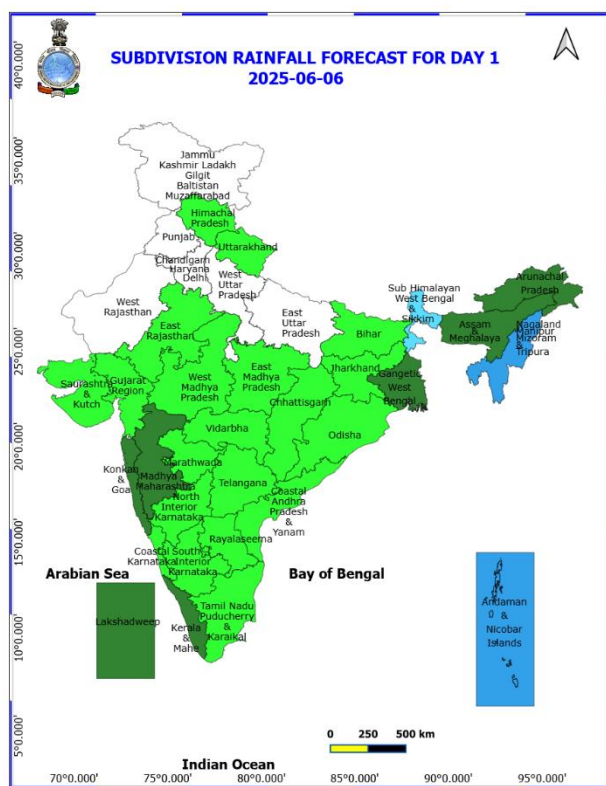
## Main Weather Observations:

- ❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places** over Sub Himalayan West Bengal & Sikkim; **at many places** over Andaman & Nicobar Islands and Nagaland, Manipur, Mizoram & Tripura; **at a few places** over Arunachal Pradesh, Assam & Meghalaya, Uttarakhand, Konkan & Goa, Madhya Maharashtra and Coastal Karnataka; **at isolated places** over Gangetic West Bengal, Odisha, Jharkhand, Bihar, East Uttar Pradesh, West Uttar Pradesh, Haryana-Chandigarh-Delhi, Punjab, Himachal Pradesh, Jammu-KashmirLadakh- Gilgit-Baltistan-Muzaffarabad, West Rajasthan, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Marathwada, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, North Interior Karnataka, South Interior Karnataka and Kerala & Mahe; **Dry** over rest of the country.
- ❖ **Significant rainfall recorded (in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Nagaland, Manipur, Mizoram & Tripura:** Kadamtala ARG (dist North Tripura) 12; Agartala AP (dist West Tripura), Dm Office ARG (dist West Tripura) 7 Each; **Sub Himalayan West Bengal & Sikkim:** Siliguri PTO (dist Darjeeling) 10; Zurrantee T.e (dist Jalpaiguri) 9; Baradighi T.e. (dist Jalpaiguri), Chalouni Tea Estate (dist Jalpaiguri) 8 Each; Beech Tea Garden (dist Alipurduar) 7; **Arunachal Pradesh:** Miao-7
- ❖ **Heavy to very heavy rainfall** recorded at isolated places over Tripura; **heavy rainfall** at isolated places over Sub-Himalayan West Bengal, Arunachal Pradesh and Assam.
- ❖ **Minimum Temperature Departures (as on 06-06-2025):** Minimum Temperatures are **Minimum Temperature Departures (as on 06-06-2025): markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, Odisha, Bihar, West Uttar Pradesh, Himachal Pradesh, West Rajasthan, East Madhya Pradesh and Saurashtra & Kutch. **appreciably above normal(3.1°C to 5.0°C)** at few places over Lakshadweep; at isolated places over Sub Himalayan West Bengal & Sikkim, East Uttar Pradesh, West Madhya Pradesh, Gujarat Region and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over Rayalaseema; at most places over Andaman & Nicobar Islands; at few places over Coastal Andhra Pradesh & Yanam; at isolated places over Gangetic West Bengal, Jharkhand, Punjab, Madhya Maharashtra, Vidarbha and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, Konkan & Goa and Telangana; at most places over Nagaland, Manipur, Mizoram & Tripura, Coastal Karnataka, North Interior Karnataka and South Interior Karnataka; at few places over East Rajasthan, Marathwada and Chhattisgarh; at isolated places over Haryana- Chandigarh-Delhi. Today, **the lowest minimum temperature** of 20.6°C is reported at **Khargone (West Madhya Pradesh)** over the Plains of India. (Fig.4).
- ❖ **Maximum Temperature Departures (as on 05-06-2025):** Maximum Temperatures were **appreciably above normal(3.1°C to 5.0°C)** at few places over Kerala & Mahe; at isolated places over Bihar; **above normal(1.6°C to 3.0°C)** at many places over Lakshadweep; at few places over Andaman & Nicobar Islands; at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha, East Madhya Pradesh and Saurashtra & Kutch; **near normal(-1.5°C to 1.5°C)** at many places over West Uttar Pradesh; at most places over Arunachal Pradesh, Sub Himalayan West Bengal & Sikkim, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka and South Interior Karnataka; at few places over East Uttar Pradesh, West Rajasthan, Gujarat Region, Madhya Maharashtra, Chhattisgarh and North Interior Karnataka; at isolated places over Uttarakhand, Haryana-Chandigarh-Delhi, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad and West Madhya Pradesh. Yesterday, **the highest maximum temperature** of 41.8°C was reported at **Jaisalmer (West Rajasthan)**.

## Meteorological Analysis (Based on 0830 hours IST)

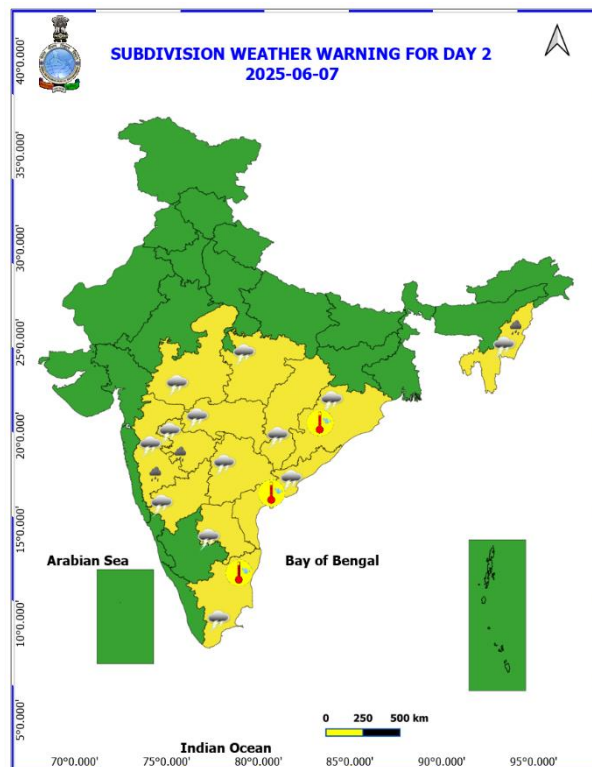
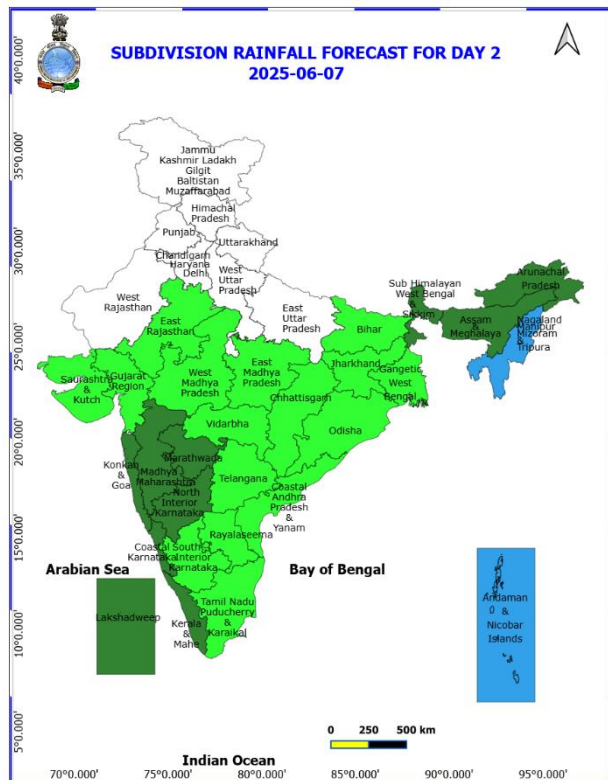
- ❖ The Northern Limit of Monsoon continues to pass through 17.0°N/55°E, 17.5°N/60°E, 18°N/65°E, 18.5°N/70°E, Mumbai, Ahilyanagar, Adilabad, Bhawanipatna, Puri, Sandhead Island, 23.5°N/89.5°E, Balurghat, 30°N/85°E.
- ❖ The **trough** in middle & upper tropospheric westerlies now runs roughly along Long. 83°E to the north of Lat. 20°N at 5.8 km above mean sea level.
- ❖ The **upper air cyclonic circulation** over central Pakistan & adjoining northwest Rajasthan now lies over northwest Rajasthan & neighbourhood at 0.9 km above mean sea level.
- ❖ A **trough** runs from south Madhya Maharashtra to Coastal Andhra Pradesh across North Interior Karnataka and Telangana at 1.5 km above mean sea level.
- ❖ The **upper air cyclonic circulation** over north interior Karnataka & adjoining Marathwada and Telangana now lies over North Interior Karnataka & neighbourhood at 3.1km above mean sea level.
- ❖ An **upper air cyclonic circulation** lies over northwest Uttar Pradesh & neighbourhood and extends upto 1.5 km above mean sea level.
- ❖ An **upper air cyclonic circulation** lies over northeast Assam & neighbourhood and extends upto 1.5 km above mean sea level.
- ❖ A fresh **Western Disturbance** as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along Long. 55°E to the north of Lat. 31°N.
- ❖ The **trough** from south Chhattisgarh to northeast Bangladesh at 0.9 km above mean sea level has become less marked.
- ❖ The **upper air cyclonic circulation** over North Bangladesh & neighbourhood at 0.9 km above mean sea level has become less marked.
- ❖ The **north-south trough** roughly along Long. 88°E to the north of Lat. 22°N at 3.1 km above mean sea level has become less marked.
- ❖ The **upper air cyclonic circulation** over south Haryana & neighbourhood at 1.5 km above mean sea level has become less marked.

## Weather Forecast & Warnings for next 7 days (Upto 0830 hours IST of 13<sup>th</sup> June, 2025)



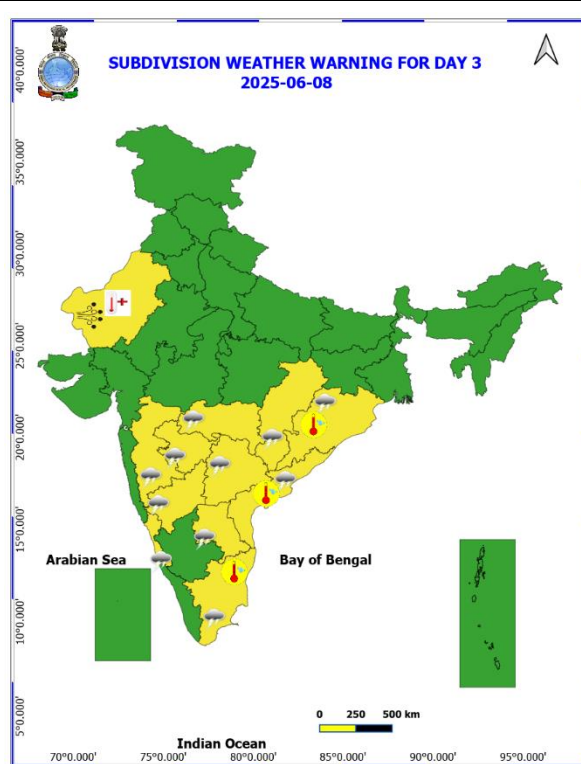
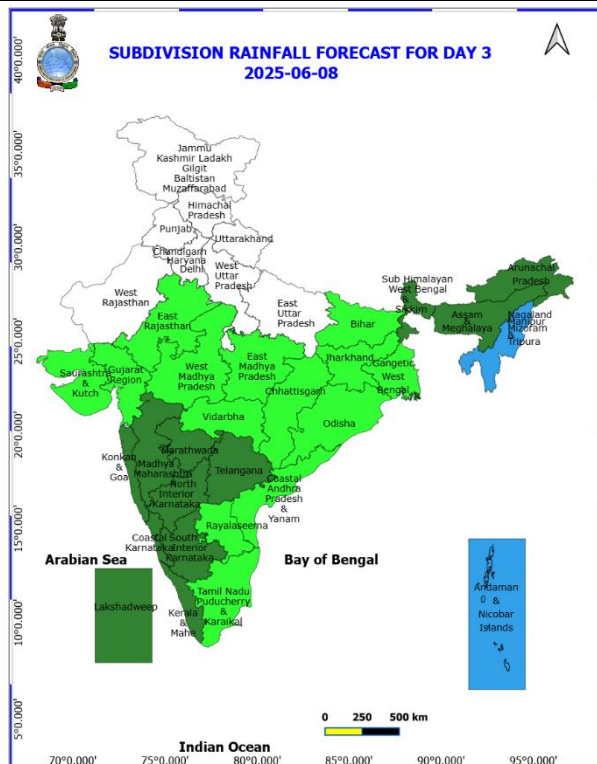
### 06<sup>th</sup> June (Day 1)

- ❖ **Heavy Rainfall** very likely at isolated places over Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Bihar and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Chhattisgarh, East Madhya Pradesh, East Rajasthan, Odisha, Rayalaseema, Telangana, Vidarbha and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Coastal Andhra Pradesh, Konkan & Goa, Madhya Maharashtra, Marathwada, Nagaland, Manipur, Mizoram and Tripura, North Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Hot and Humid weather** very likely at isolated places over Coastal Andhra Pradesh, Odisha and Tamil Nadu Puducherry & Karaikal.
- ❖ Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph likely to prevail along and off Somalia coast and adjoining southwest & westcentral Arabian Sea.



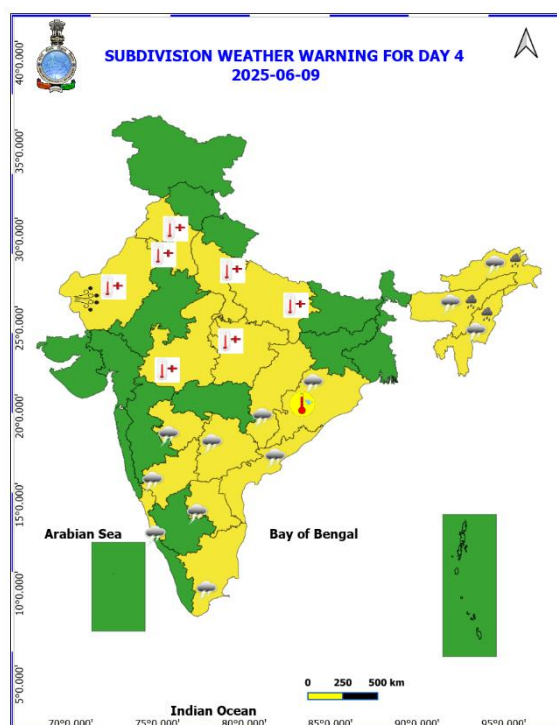
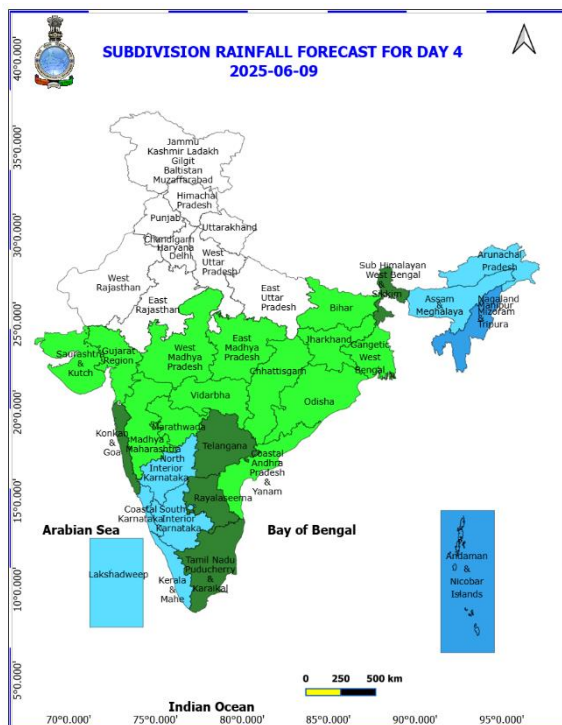
### 07<sup>th</sup> June (Day 2)

- ❖ **Heavy Rainfall** very likely at isolated places over Madhya Maharashtra, Marathwada and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Chhattisgarh and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Madhya Pradesh, Odisha, Rayalaseema and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Coastal Andhra Pradesh, Madhya Maharashtra, Marathwada, Nagaland, Manipur, Mizoram and Tripura, North Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Hot and Humid weather** very likely at isolated places over Coastal Andhra Pradesh, Odisha and Tamil Nadu Puducherry & Karaikal.
- ❖ Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph likely to prevail along and off Somalia coast and adjoining southwest & westcentral Arabian Sea.



## 08<sup>th</sup> June (Day 3)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Chhattisgarh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Odisha, Rayalaseema, Telangana and Vidarbha.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Coastal Andhra Pradesh, Coastal Karnataka, Madhya Maharashtra, Marathwada, North Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Dust Raising Winds** very likely at isolated places over West Rajasthan.
- ❖ **Heat Wave conditions** very likely at isolated places over West Rajasthan.
- ❖ **Hot and Humid weather** very likely at isolated places over Coastal Andhra Pradesh, Odisha and Tamil Nadu Puducherry & Karaikal.
- ❖ Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph likely to prevail along and off Somalia coast and adjoining southwest & westcentral Arabian Sea.



## 09<sup>th</sup> June (Day 4)

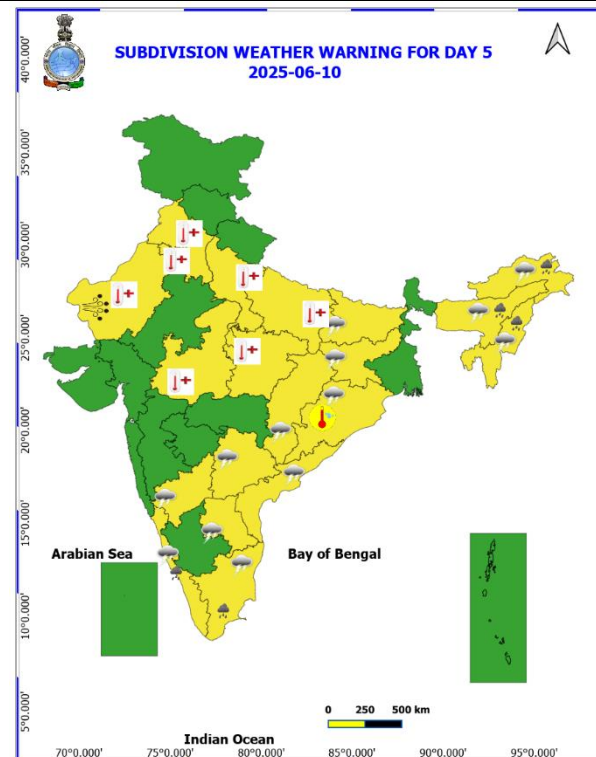
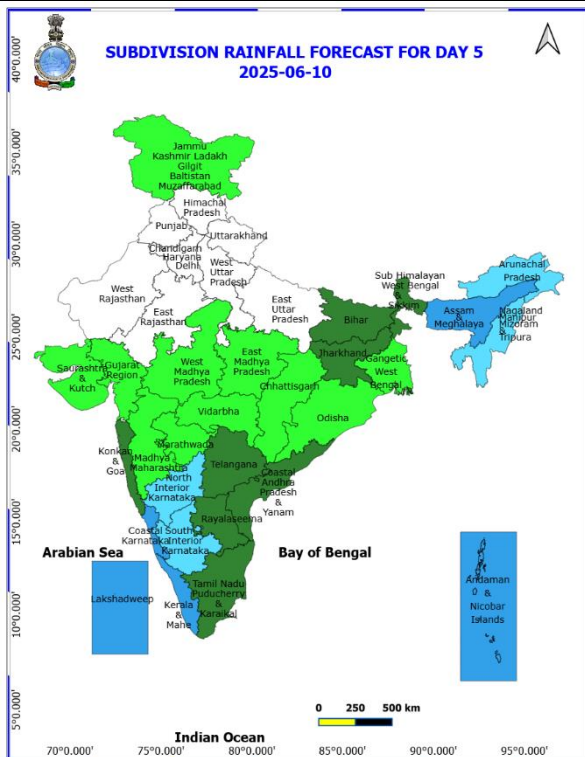
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Chhattisgarh and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Odisha, Tamil Nadu Puducherry & Karaikal and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Costal Karnataka, Marathwada and North Interior Karnataka.
- ❖ **Dust Raising Winds** likely at isolated places over West Rajasthan.
  
- ❖ **Heat Wave conditions** likely at isolated places over Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab, Uttar Pradesh and West Rajasthan.
- ❖ **Hot and Humid weather** likely at isolated places over Odisha.
- ❖ Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph likely to prevail along and off Somalia coast and adjoining southwest & westcentral Arabian Sea. Squally weather with wind speed 35 - 45 kmph gusting to 55 kmph likely to prevail over many parts of south Bay of Bengal, Comorin Area & adjoining Gulf of Mannar and Andaman Sea.

\* 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.**

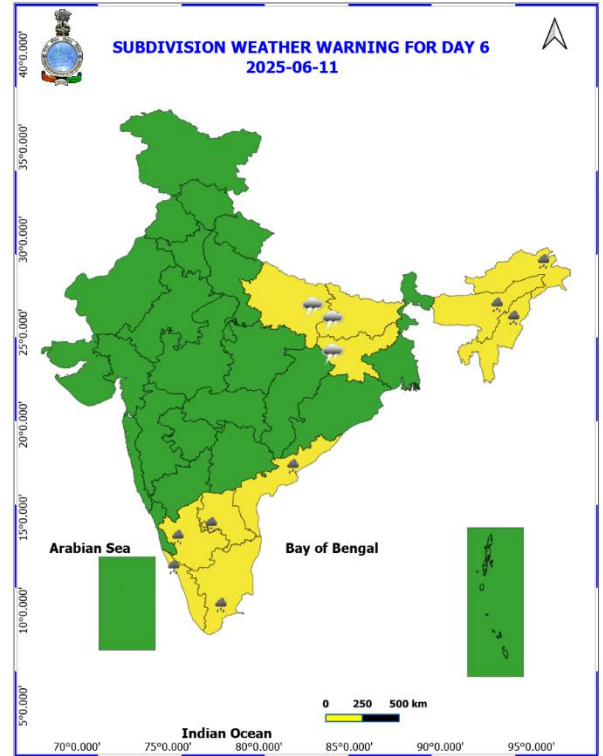
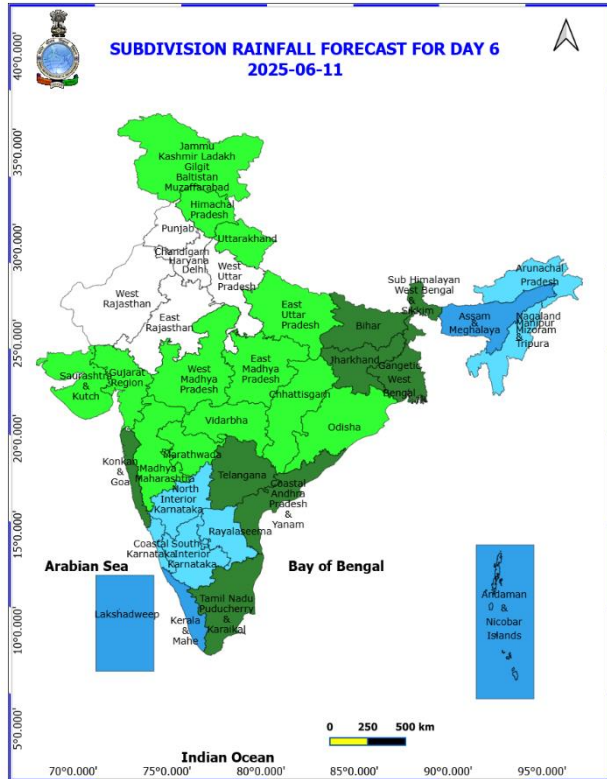
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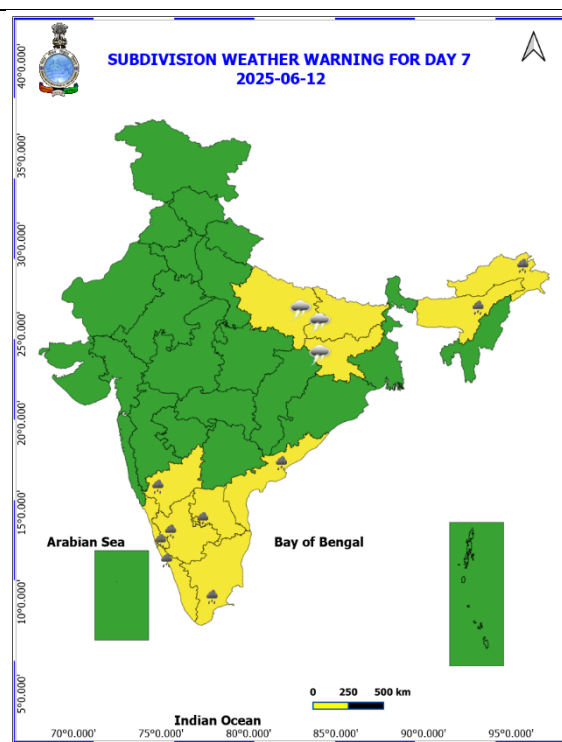
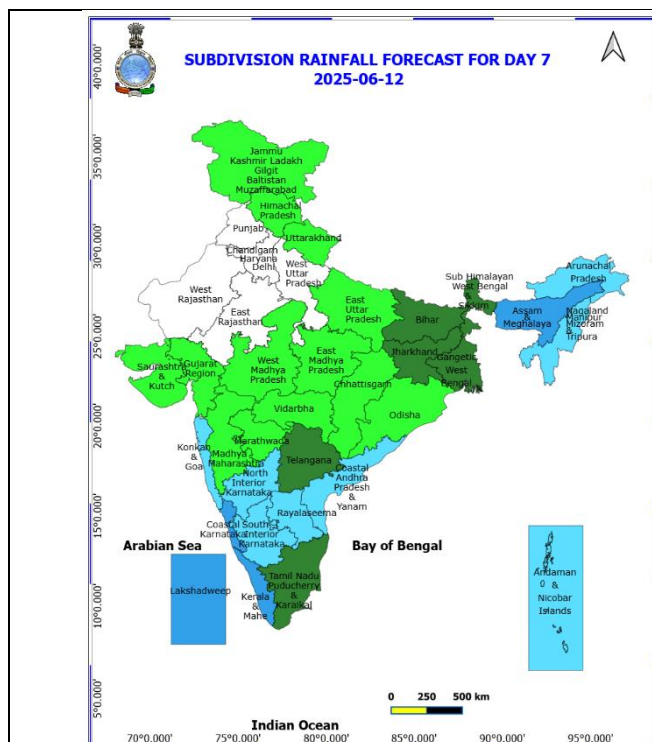
## 10<sup>th</sup> June (Day 5)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Assam & Meghalaya, Chhattisgarh and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, North Interior Karnataka, Odisha, Tamil Nadu Puducherry & Karaikal and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Coastal Karnataka and Jharkhand.
- ❖ **Dust Raising Winds** likely at isolated places over West Rajasthan.
- ❖ **Heat Wave conditions** likely at isolated places over Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab, Uttar Pradesh and West Rajasthan.
- ❖ **Hot and Humid weather** likely at isolated places over Odisha.
- ❖ Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph likely to prevail along and off Somalia coast and adjoining southwest & westcentral Arabian Sea. Squally weather with wind speed 35 - 45 kmph gusting to 55 kmph likely to prevail over many parts of south Bay of Bengal, Comorin Area & adjoining Gulf of Mannar and Andaman Sea. Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph likely to prevail along and off Somalia coast and adjoining southwest & westcentral Arabian Sea. Squally weather with wind speed 35 - 45 kmph gusting to 55 kmph likely to prevail over many parts of south Bay of Bengal, Comorin Area & adjoining Gulf of Mannar and Andaman Sea.



## 11<sup>th</sup> June (Day 6)

- ❖ **Heavy Rainfall** likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar and East Uttar Pradesh.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Jharkhand.



## 12<sup>th</sup> June (Day 7)

- ❖ **Heavy Rainfall** likely at isolated places over Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Coastal Karnataka, Interior Karnataka, Kerala & Mahe and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over East Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Jharkhand.

## Weather Outlook for subsequent 3 days (During 13<sup>th</sup> June- 15<sup>th</sup> June, 2025)

- ❖ **Fairly widespread to widespread** rainfall activity likely over Northeast India, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Lakshadweep, Konkan & Goa, Marathwada, Coastal Karnataka, Telangana, Rayalaseema and Kerala & Mahe.
- ❖ **Isolated to scattered rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Odisha, south Chhattisgarh, Vidarbha, West Madhya Pradesh, Madhya Maharashtra, Interior Karnataka, East Uttar Pradesh, Bihar and Jharkhand.

- 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

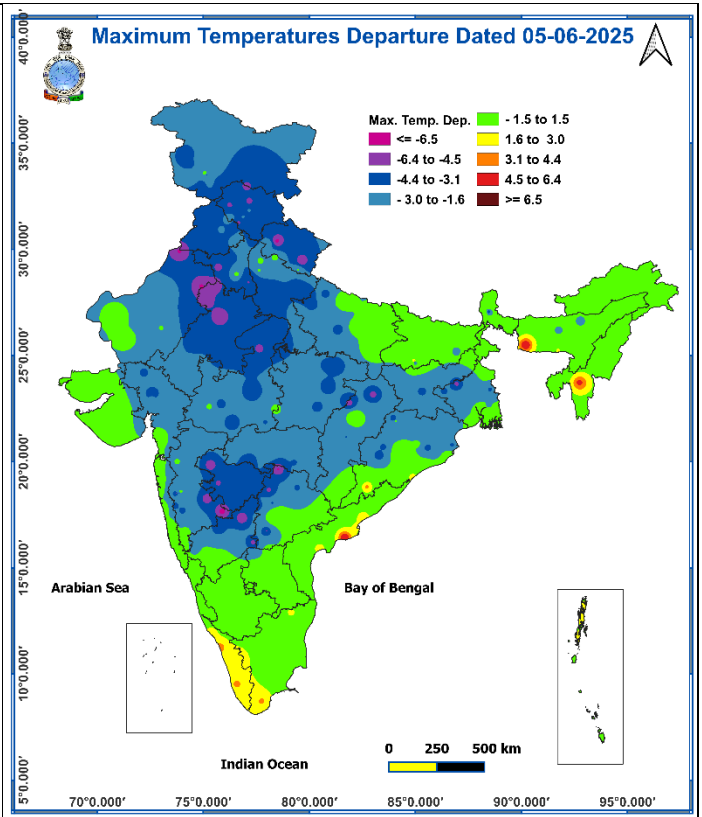
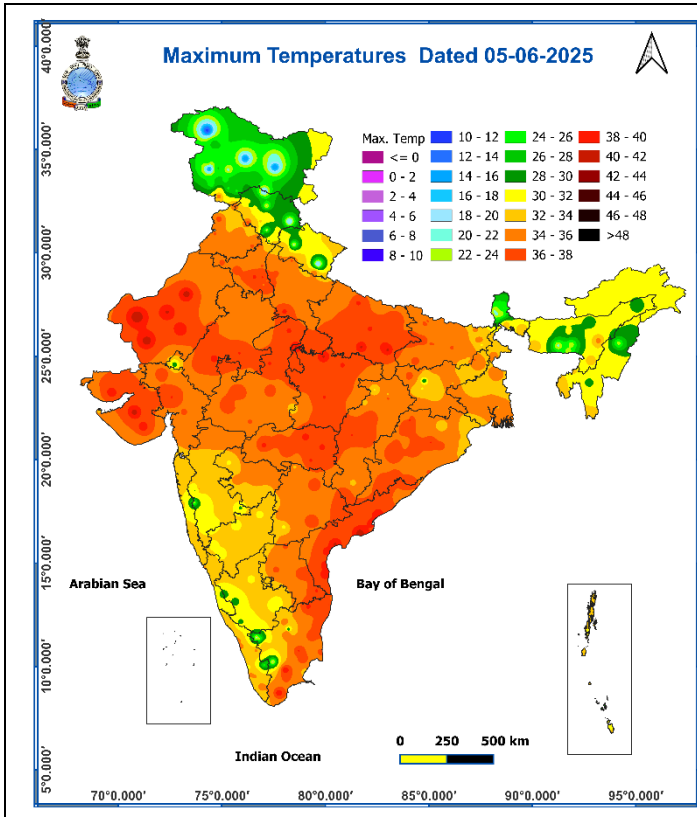


Fig. 3: Minimum Temperatures

Fig. 4: Departure of Minimum Temperatures

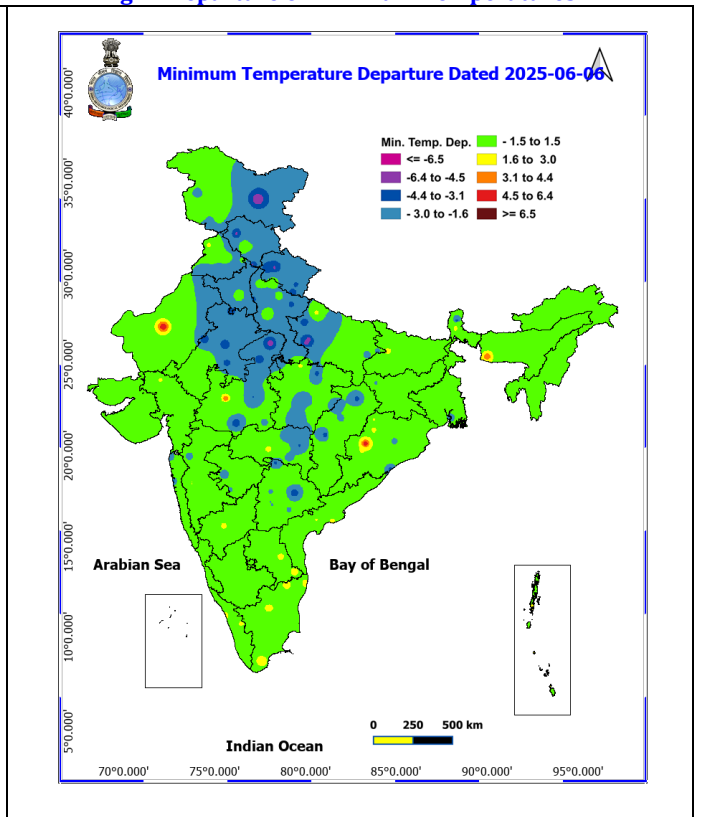
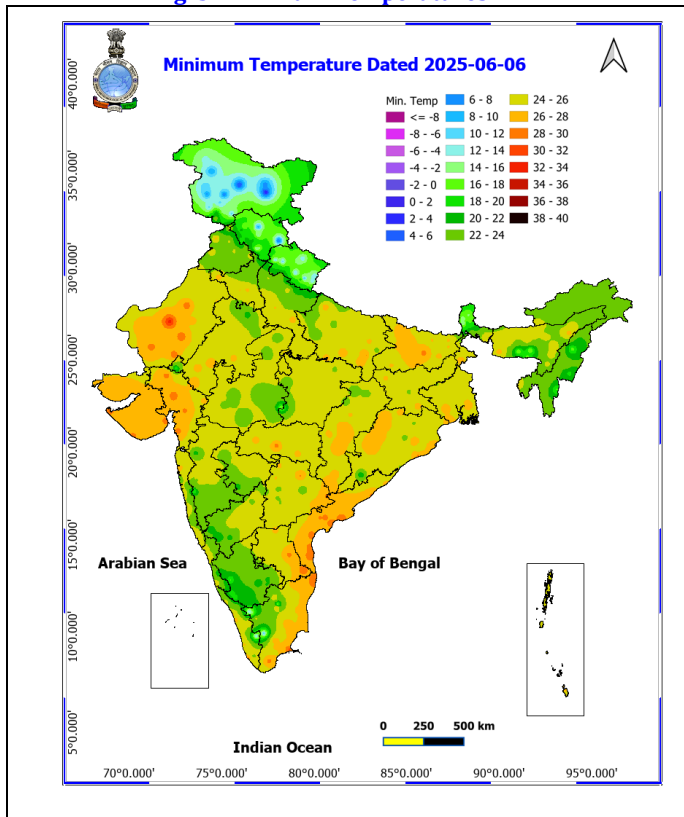


Fig. 5: Advance of Southwest Monsoon 2025

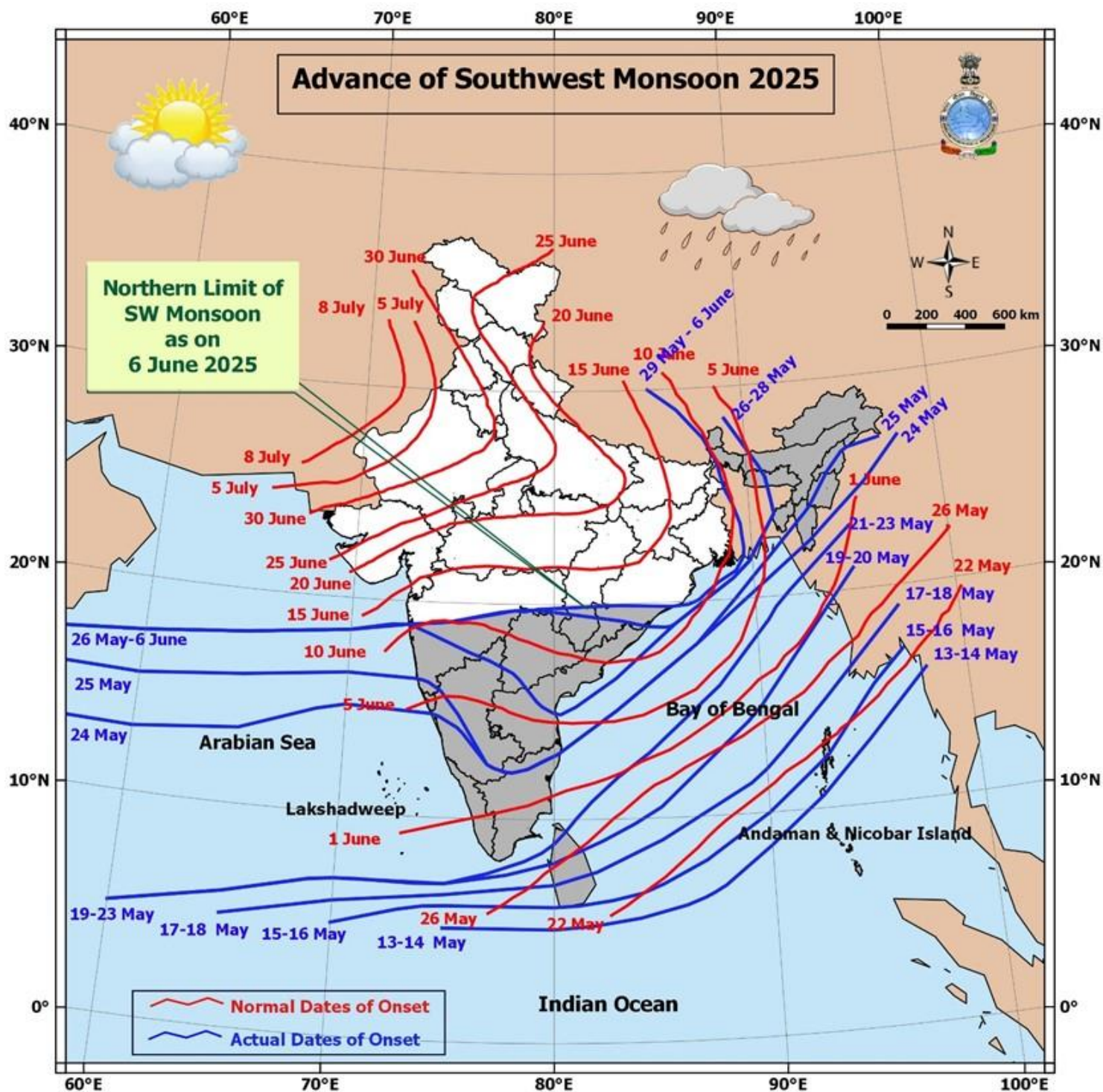
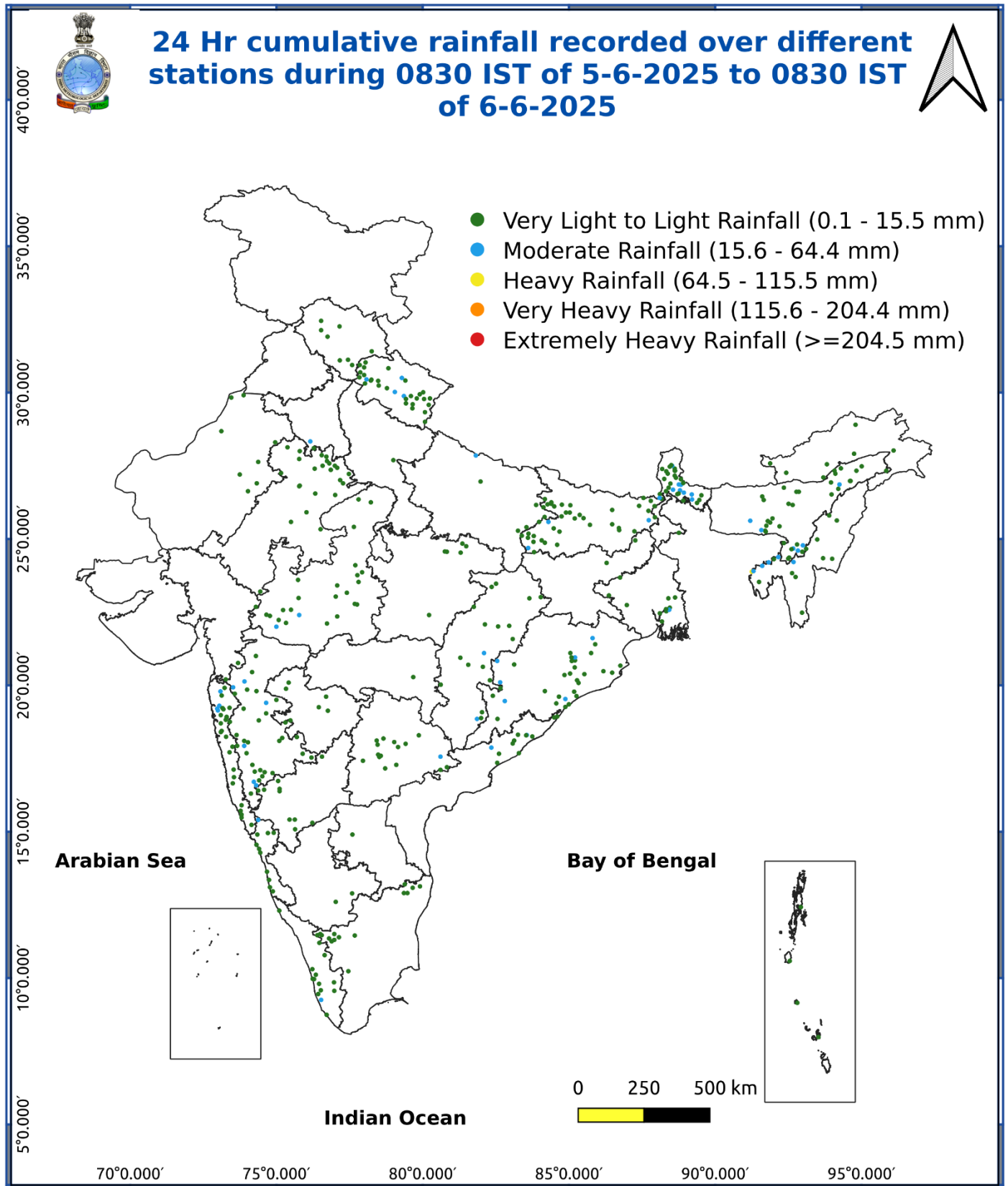


Fig. 6: Accumulated Rainfall (mm) during past 24 hours



**Impact expected and action suggested due to Heat wave** over West Rajasthan during 08th-10th; Punjab, Haryana Chandigarh & Delhi, south Uttar Pradesh, north Madhya Pradesh on 09th & 10th June.

#### Yellow alert Areas

- Moderate temperature & heat is tolerable for general public but moderate health concern likely for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure.
- Wear lightweight, light colour, loose, cotton clothes.  
Cover your head, use a cloth, hat or umbrella

#### Agromet advisories for likely impact of Heavy Rainfall / Hailstorms / Gusty Winds / Heat Wave

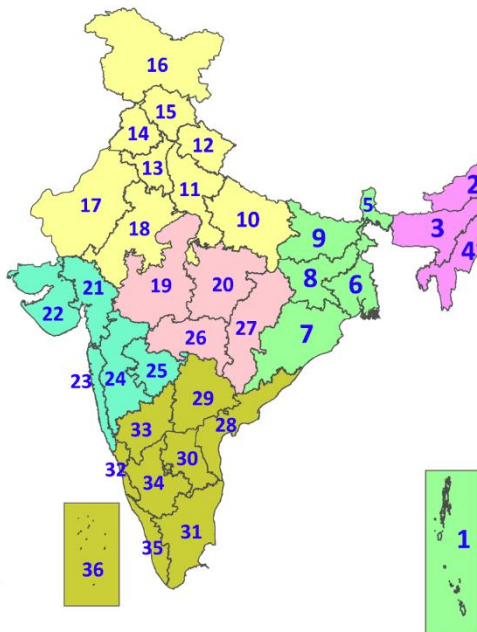
- Postpone sowing of *Sali* rice and vegetables in **Assam** and harvesting of rice in **Tripura**.
- Drain out excess water and ensure proper drainage in the rice nursery beds, fields of soybean, chilli, okra and other vegetables and in **Arunachal Pradesh**; rice, sesame, maize, sugarcane, ginger and turmeric in **Assam**; bottle gourd and French bean in **Meghalaya**; and rice fields, and *Aus* rice nurseries and vegetables in **Tripura**.
- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops properly and cover them to minimise the risk of displacement due to strong surface winds.
- Provide mechanical support and propping to horticultural crops and staking to vegetables to avoid lodging.

#### Livestock / Fishery

- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

## 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)



### 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

\* 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

(Service to the Nation since 1875)

## DEFINITION/CRITERIA

### 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  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

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  $40^{\circ}\text{C}$

Warm Night: When minimum temperature departure  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

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 Strom: Wind speed  $> 220$  kmph ( $> 119$  knots)