

Tuesday, June 3, 2025
Time of Issue: 1315 hours IST
(MID-DAY)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features:

Weather Forecast and Warnings:

Northeast India:

- ✓ Light/moderate rainfall at most places likely to continue over northeast India during next 7 days with isolated heavy rainfall during 03rd-05th with isolated very heavy falls over Assam & Meghalaya on 03rd & 04th and Nagaland, Manipur, Mizoram & Tripura on 03rd June.

Northwest India:

- ✓ Light/moderate rainfall at many/some places accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana Chandigarh & Delhi; light/moderate rainfall at some places over Uttar Pradesh, Rajasthan on 03rd & 04th June.
- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Himachal Pradesh on 03rd & 04th; Punjab, Haryana Chandigarh & Delhi, Uttar Pradesh and Rajasthan on 03rd June.
- ✓ **Isolated heavy rainfall** also likely over Uttarakhand, Haryana, West Uttar Pradesh and Rajasthan on 03rd June.
- ✓ **Isolated hailstorm** likely over Himachal Pradesh on 03rd June.
- ✓ **Dust storm** also very likely at isolated places over West Rajasthan on 03rd June.

East & Central India:

- ✓ Light/moderate rainfall at most/many places likely to continue over Sub-Himalayan West Bengal & Sikkim during next 7 days with isolated heavy rainfall on 03rd & 04th June.
- ✓ Light/moderate rainfall at some places accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Madhya Pradesh, Vidarbha, Chhattisgarh during 03rd-07th; Bihar, West Bengal, Jharkhand on 03rd & 04th June.
- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Bihar, West Madhya Pradesh on 03rd & 04th and Sub-Himalayan West Bengal & Sikkim on 04th June.

South Peninsular India:

- ✓ Light/moderate rainfall at many places **over Kerala & Mahe, Coastal Karnataka on 03rd & 04th June with isolated heavy rainfall** over Kerala on 03rd & 04th and Coastal Karnataka on 03rd June.
- ✓ Light/moderate rainfall at some places accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph** over Coastal Andhra Pradesh, Telangana and Interior Karnataka during 03rd-05th June.

Maximum Temperature Forecast:

- ❖ Maximum Temperatures likely to fall by 2-3°C over Northwest India during next 2 days; gradual rise by 4-5°C during subsequent next 5 days.
- ❖ Maximum Temperatures likely to rise gradually by 2-3°C over East India during next 2 days and no large 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 Odisha during 03rd-06th and Gangetic West Bengal on 03rd & 04th June.
- ❖ **Hot & humid weather** is likely to prevail over Coastal Andhra Pradesh & Yanam during 03rd-05th; Odisha during 03rd-06th; Gangetic West Bengal, Tamilnadu Puducherry & Karaikal on 03rd & 04th June.

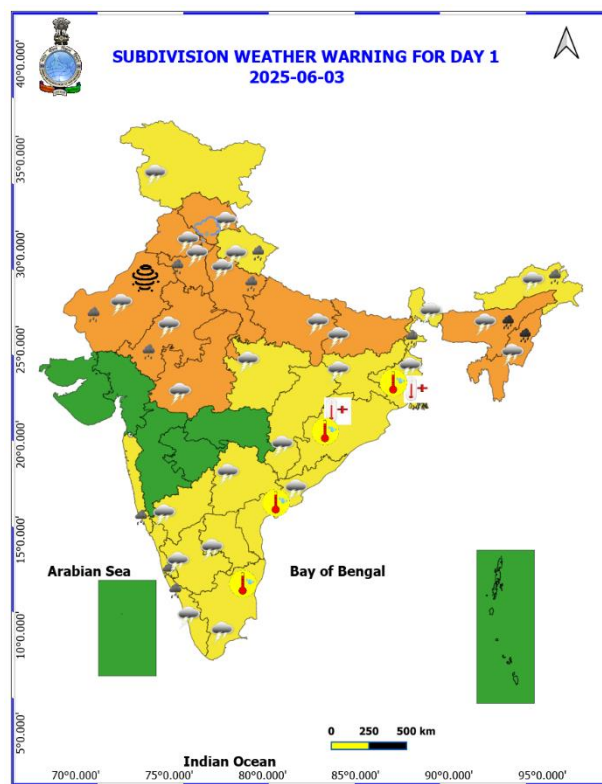
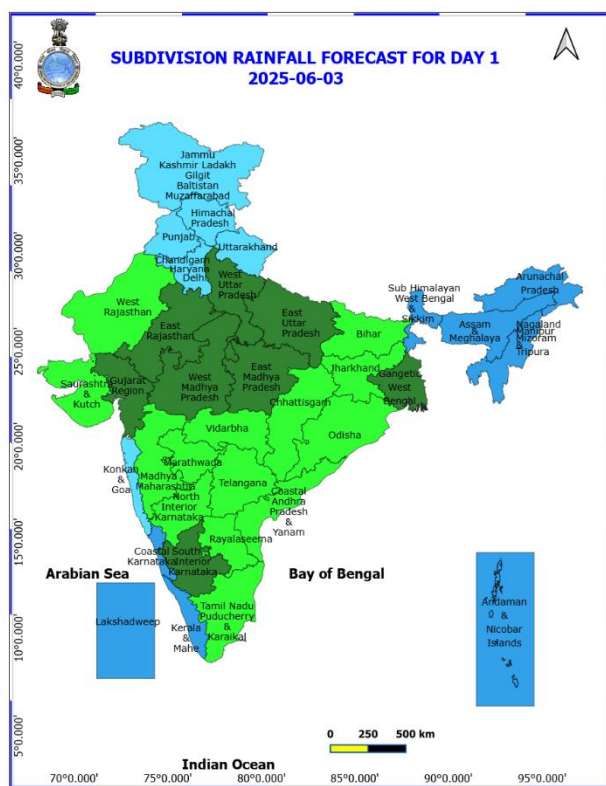
Main Weather Observations:

- ❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places** over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Karnataka, Kerala & Mahe and Lakshadweep; **at many places** over Arunachal Pradesh, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Punjab, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, Konkan & Goa and South Interior Karnataka; **at a few places** over Andaman & Nicobar Islands, Bihar, Uttarakhand, East Rajasthan, Gujarat Region and Vidarbha; **at isolated places** over Odisha, Jharkhand, East Uttar Pradesh, West Uttar Pradesh, Haryana-Chandigarh-Delhi, West Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Saurashtra & Kutch, Madhya Maharashtra, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and North Interior Karnataka; **Dry** over rest of the country.
- ❖ **Significant rainfall recorded (in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Assam & Meghalaya**: Cherrapunji (dist East Khasi Hills) 11; Cherrapunji(rkm) (dist East Khasi Hills) 9; Mawsynram (dist East Khasi Hills) 8; Chauldhowaghat (dist Lakhimpur), Ranganadi Nt Xing (dist Lakhimpur), Khliehriat (dist East Jaintia Hills) 7 Each; Sonari ARG (dist Charaideo), Chouldhuwaghat ARG (dist Lakhimpur) 6 Each; **East Rajasthan**: Ramganjmandi SR (dist Kota), Jhalarapatan SR (dist Jhalawar) 8 Each; **Nagaland, Manipur, Mizoram & Tripura**: Arundhutinagar (dist West Tripura), Agartala AP (dist West Tripura), Lembuchhera (dist West Tripura), Met Agartala AWS (dist West Tripura), Gandachara AWS (dist Dhalai) 7 Each; Teliamura ARG (dist Khowai), Kolasib ARG (dist Kolasib), Kvk South (dist South Tripura) 6 Each; **Gujarat Region**: V.vidyanagar SR (dist Anand), Anand (dist Anand), Petlad (dist Anand) 7 Each; **South Interior Karnataka**: Virajpet (dist Kodagu) 6; **Kerala & Mahe**: Muliya AWS (dist Kasargod), Bayar AWS (dist Kasargod) 6 Each; **Konkan & Goa**: Dapoli ARG (dist Ratnagiri) 6; **West Uttar Pradesh**: Khairagarh (dist Agra) 6.
- ❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Heavy rainfall** recorded at isolated places over Arunachal Pradesh, Assam & Meghalaya, Tripura, Gujarat Region and East Rajasthan.
- ❖ **Hailstorm** observed at isolated places over Himachal Pradesh, Uttarakhand.
- ❖ **Duststorm** observed at isolated places over Rajasthan.
- ❖ **Minimum Temperature Departures (as on 03-06-2025)**: Minimum Temperatures are **markedly above normal (> 5.1°C)** at a few places over East Madhya Pradesh; at isolated places over Assam & Meghalaya, Bihar, East Uttar Pradesh, West Uttar Pradesh, West Rajasthan, Gujarat Region, Saurashtra & Kutch and Madhya Maharashtra; **appreciably above normal (3.1°C to 5.0°C)** at a few places over Andaman & Nicobar Islands; at isolated places over Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Odisha, Jharkhand, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Madhya Pradesh, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal; **above normal (1.6°C to 3.0°C)** at most places over Arunachal Pradesh; at isolated places over Himachal Pradesh, Konkan & Goa and Rayalaseema and **near normal (-1.5°C to 1.5°C)** at many places over South Interior Karnataka; at most places over North Interior Karnataka, Kerala & Mahe and Lakshadweep; at a few places over Uttarakhand, Chhattisgarh, Telangana and Coastal Karnataka; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Haryana-Chandigarh-Delhi, Punjab, East Rajasthan, Marathwada and Vidarbha. Today, **the lowest minimum temperature of 18.0°C** is reported at **Sikar (East Rajasthan)** over the Plains of India. (Fig.4).
- ❖ **Maximum Temperature Departures (as on 02-06-2025)**: Maximum Temperatures were **markedly above normal (> 5.1°C)** at isolated places over Tamil Nadu, Puducherry & Karaikal. **appreciably above normal (3.1°C to 5.0°C)** at a few places over Arunachal Pradesh, Gangetic West Bengal and Odisha; at isolated places over Assam & Meghalaya and Himachal Pradesh. **above normal (1.6°C to 3.0°C)** at a few places over Sub Himalayan West Bengal & Sikkim; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Bihar, East Madhya Pradesh, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam and Telangana. **Near normal (-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, West Uttar Pradesh and Kerala & Mahe; at most places over East Uttar Pradesh, Konkan & Goa and Lakshadweep; at a few places over Uttarakhand, West Rajasthan, Gujarat Region and Rayalaseema; at isolated places over Jharkhand and Punjab. (Fig.2). Yesterday, **the highest maximum temperature of 44.2°C** was reported at Banda (East Uttar Pradesh).

Meteorological Analysis (Based on 0830 hours IST)

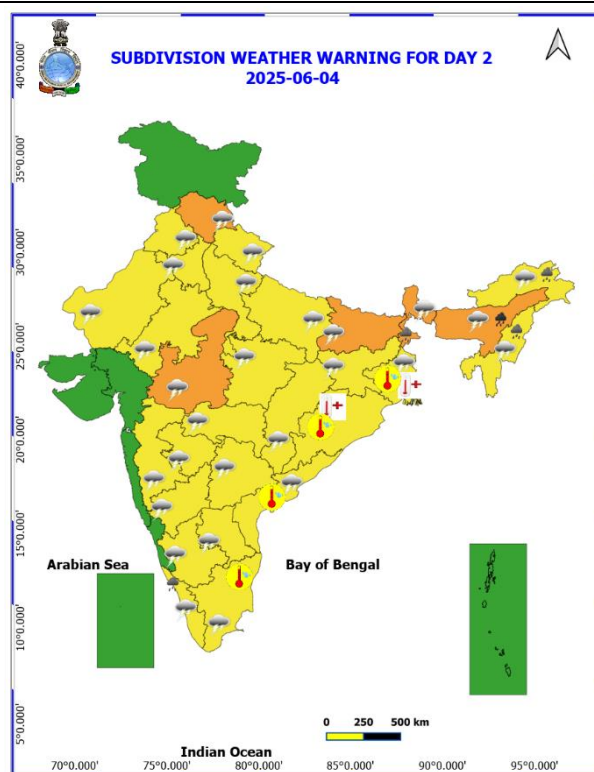
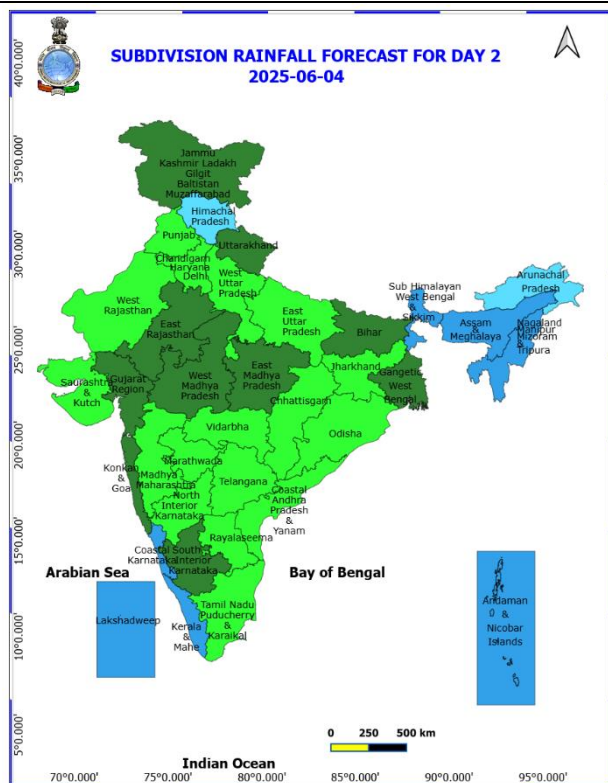
- ❖ The Northern Limit of Monsoon continues to pass through 17.0°N/55°E, 17.5°N/60°E, 18°N/65°E, 18.5°N/70°E, Mumbai, Ahilyanagar, Adilabad, Bhawanipatna, Puri, Sandhead Island, 23.5°N/89.5°E, Balurghat, 30°N/85°E.
- ❖ The **Western disturbance** as a **cyclonic circulation** over Punjab & neighbourhood between 3.1 & 4.5 km above mean sea level with a trough aloft in middle tropospheric level with its axis at 5.8 km above mean sea level roughly along Long. 75°E to the north of Lat. 30°N persists.
- ❖ An **upper air cyclonic circulation** lies over Haryana at 0.9 km above mean sea level.
- ❖ The **upper air cyclonic circulation** over northwest Uttar Pradesh persists and now seen at 1.5 km above mean sea level.
- ❖ An **upper air cyclonic circulation** lies over east Bihar at 0.9 km above mean sea level.
- ❖ The **north-south trough** now runs roughly along Long. 92°E to the north of Lat. 22°N at 1.5 km above mean sea level.
- ❖ The trough from East Uttar Pradesh to northeast Assam across central parts of Bihar, Sub-Himalayan West Bengal & Sikkim and Assam at 0.9 km above mean sea level has become less marked.

Weather Forecast & Warnings for next 7 days (Upto 0830 hours IST of 10th June, 2025)



03rd June (Day 1)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Costal Karnataka, Haryana, Chandigarh & Delhi, Kerala & Mahe, Konkan & Goa, Rajasthan, Sub Himalayan West Bengal & Sikkim, Uttarakhand and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with Hailstorm** very likely at isolated places over Himachal Pradesh.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Bihar, Haryana, Chandigarh & Delhi, Himachal Pradesh, Punjab, Rajasthan, Uttar Pradesh and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Assam & Meghalaya, Chhattisgarh, East Madhya Pradesh, Jharkhand, North Interior Karnataka, Sub Himalayan West Bengal & Sikkim and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, Gangetic West Bengal, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, South Interior Karnataka and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh and Tamil Nadu Puducherry & Karaikal.
- ❖ **Dust Storm** very likely at isolated places over West Rajasthan.
- ❖ **Heat Wave conditions** very likely at isolated places over Gangetic West Bengal and Odisha.
- ❖ **Hot and Humid weather** very likely at isolated places over Coastal Andhra Pradesh, Gangetic West Bengal, Odisha and Tamil Nadu Puducherry & Karaikal.
- ❖ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** very likely to prevail along and off Somalia coast and adjoining parts of southwest Arabian Sea & westcentral Arabian Sea, over some western parts of westcentral Arabian Sea; **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** prevailing over some parts of southwest and many parts of central Arabian Sea and adjoining parts of southeast Arabian Sea, over Lakshadweep area, along and off Kerala, Karnataka coast, over Gulf of Mannar and adjoining Comorin area, over some parts of central Bay of Bengal and adjoining parts of north Bay of Bengal. Fisherman are not advised not to venture into the sea.



04th June (Day 2)

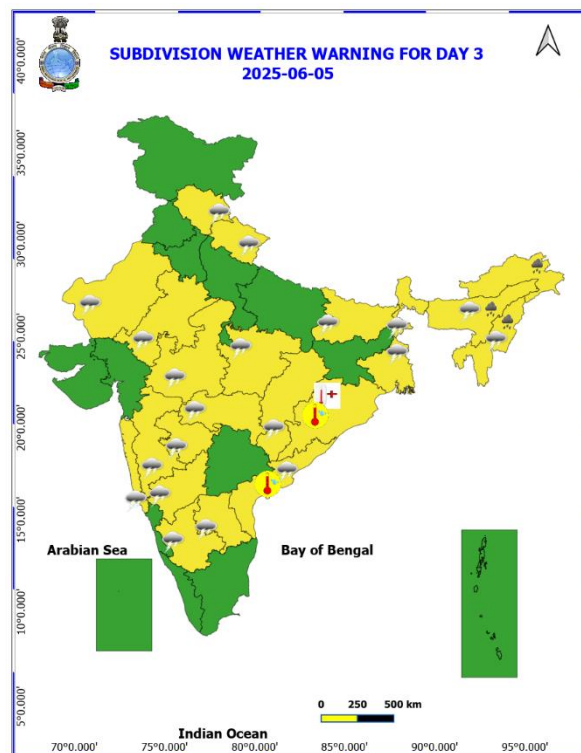
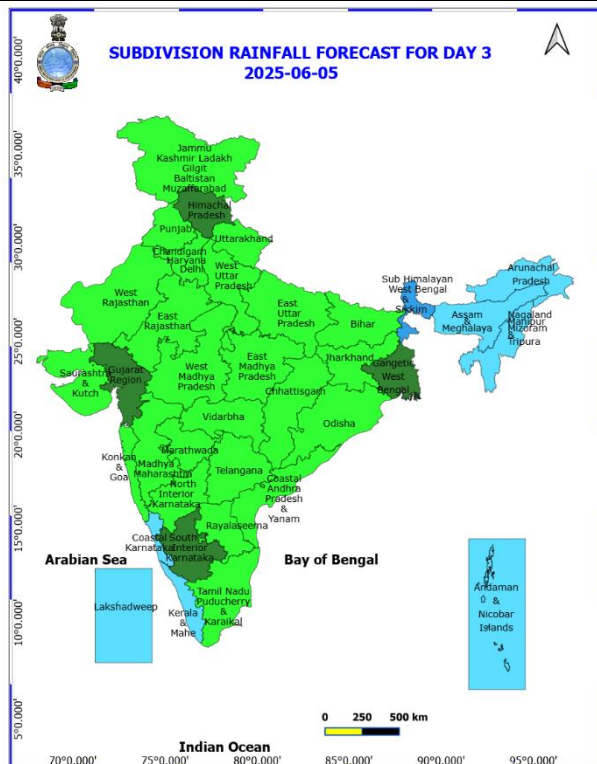
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Bihar, Himachal Pradesh, Sub Himalayan West Bengal & Sikkim and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Assam & Meghalaya, Chhattisgarh, East Madhya Pradesh, Gangetic West Bengal, Nagaland, Manipur, Mizoram and Tripura, North Interior Karnataka, Rajasthan and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, Haryana, Chandigarh & Delhi, Kerala & Mahe, Punjab, South Interior Karnataka, Telangana, Uttar Pradesh and Vidarbha.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Jharkhand, Madhya Maharashtra, Marathwada and Tamil Nadu Puducherry & Karaikal.
- ❖ **Heat Wave conditions** very likely at isolated places over Gangetic West Bengal and Odisha.
- ❖ **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** very likely to prevail along and off Somalia coast and adjoining southwest Arabian Sea, westcentral Arabian Sea, over some western parts of westcentral Arabian Sea; **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** prevailing along and off Kerala, Karnataka coasts and adjoining Lakshadweep area, off north Tamil Nadu coast, over northern parts of central Bay of Bengal and adjoining parts of north Bay of Bengal and along. Fisherman are not advised not to venture into the 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.

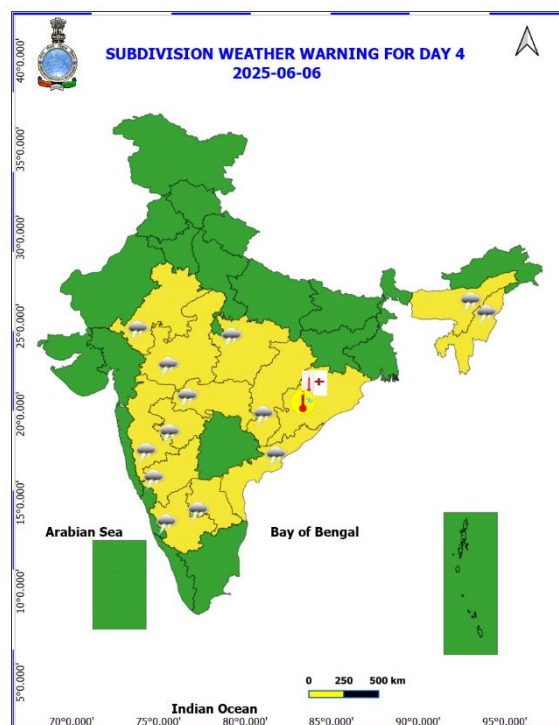
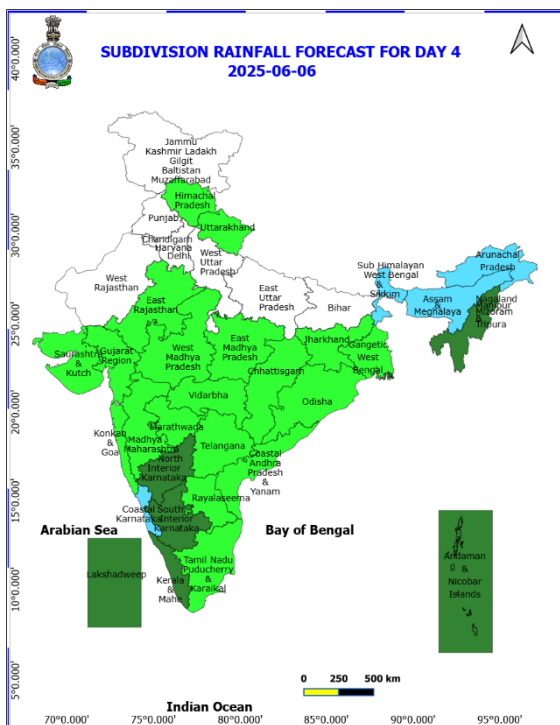
For more details, kindly visit <https://mausam.imd.gov.in> or contact: 011-2434-4599

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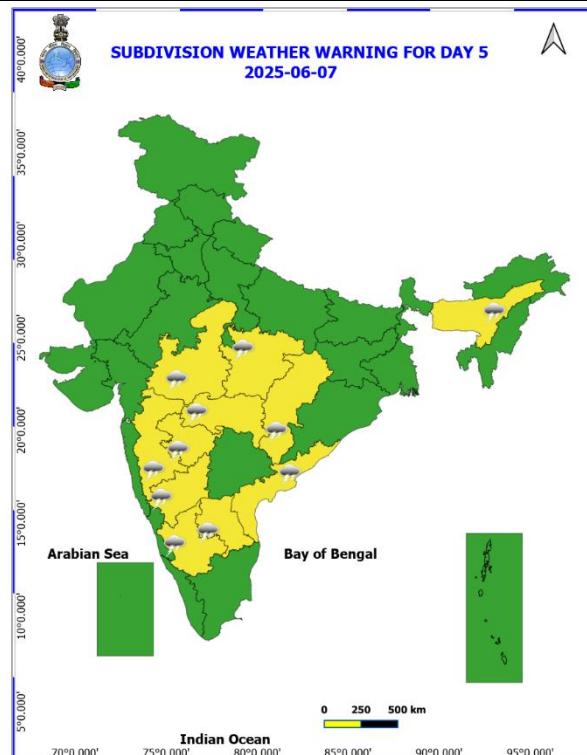
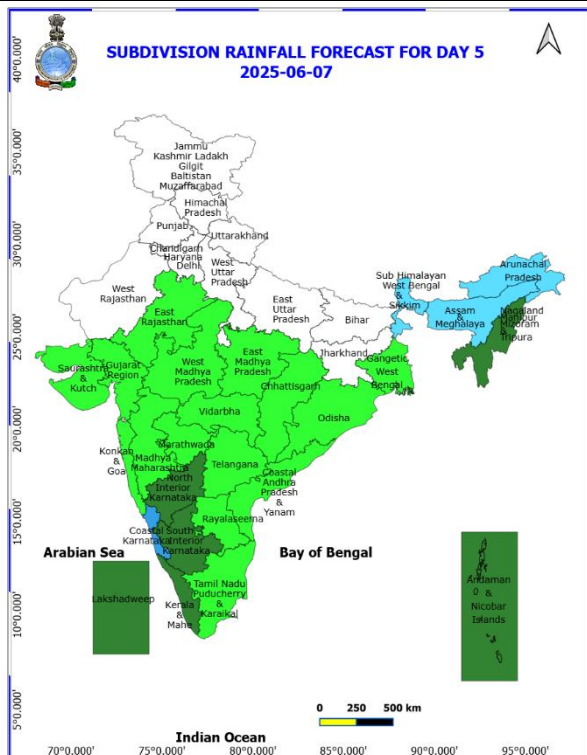
05th June (Day 3)

- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Chhattisgarh, East Rajasthan, Himachal Pradesh, Madhya Pradesh, North Interior Karnataka, Vidarbha and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, Bihar, South Interior Karnataka, Uttarakhand and West Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Assam & Meghalaya, Konkan & Goa, Madhya Maharashtra, Marathwada and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heat Wave conditions** very likely at isolated places over Odisha.
- ❖ **Hot and Humid weather** very likely at isolated places over Coastal Andhra Pradesh and Odisha.
- ❖ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** very likely to prevail along and off Somalia coast and adjoining southwest & westcentral Arabian Sea, over some western parts of westcentral Arabian Sea; **Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph** prevailing off north Tamil Nadu and south Andhra Pradesh coasts. Fisherman are not advised not to venture into the sea.



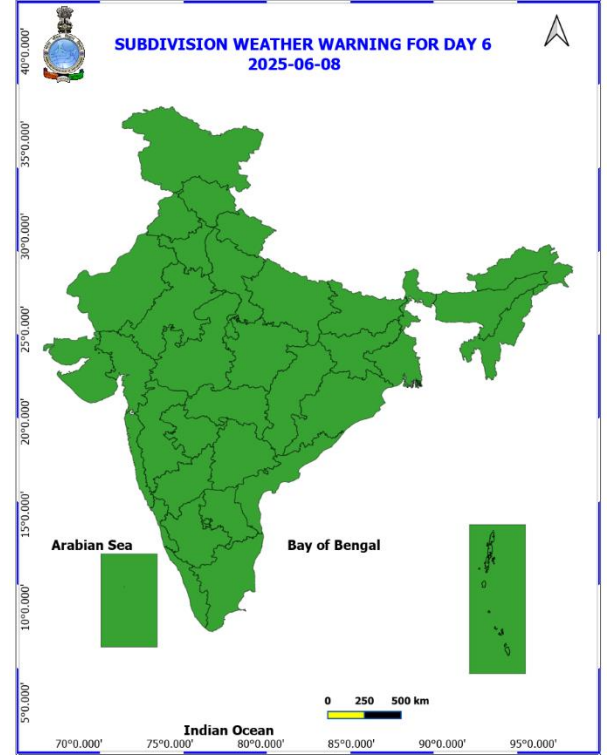
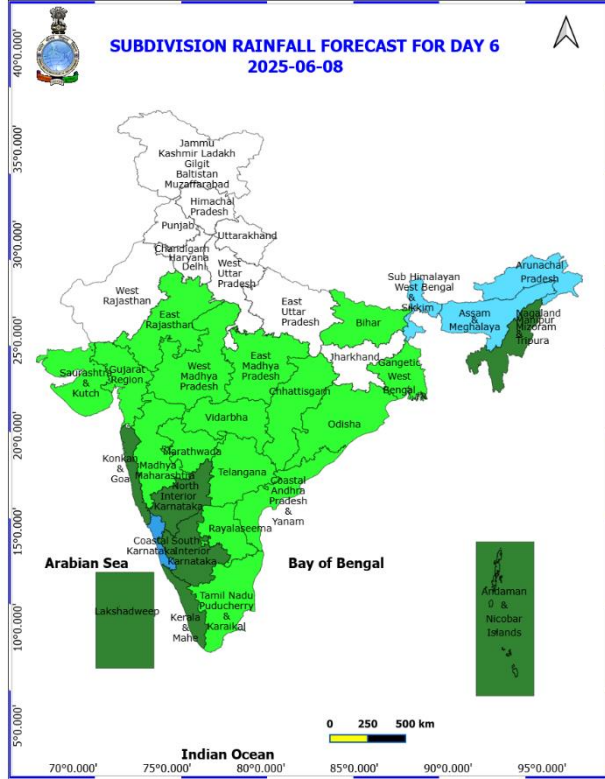
06th June (Day 4)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Chhattisgarh, East Rajasthan, Madhya Pradesh, North Interior Karnataka and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andhra Pradesh and South Interior Karnataka.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Assam & Meghalaya, Madhya Maharashtra, Marathwada and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heat Wave conditions** likely at isolated places over Odisha.
- ❖ **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 sea area. Fisherman are not advised not to venture into the sea.



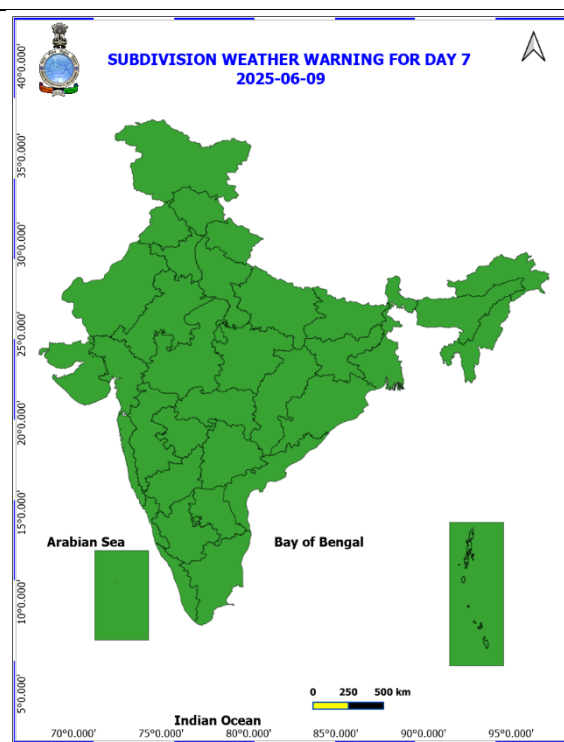
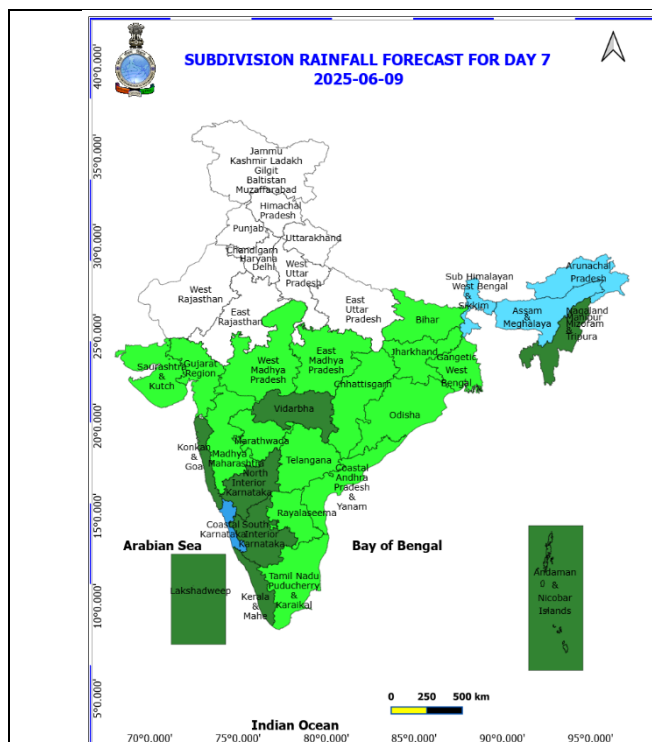
07th June (Day 5)

- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Chhattisgarh, Madhya Pradesh, North Interior Karnataka and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andhra Pradesh and South Interior Karnataka.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Assam & Meghalaya, Madhya Maharashtra and Marathwada.
- ❖ **Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail along and off Somalia coast and adjoining sea area. Fisherman are not advised not to venture into the sea.



08th June (Day 6)

❖ **No Warning.**



09th June (Day 7)

❖ No Warning.

Weather Outlook for subsequent 3 days (During 10th June- 12th 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-Muzaffargarh, 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

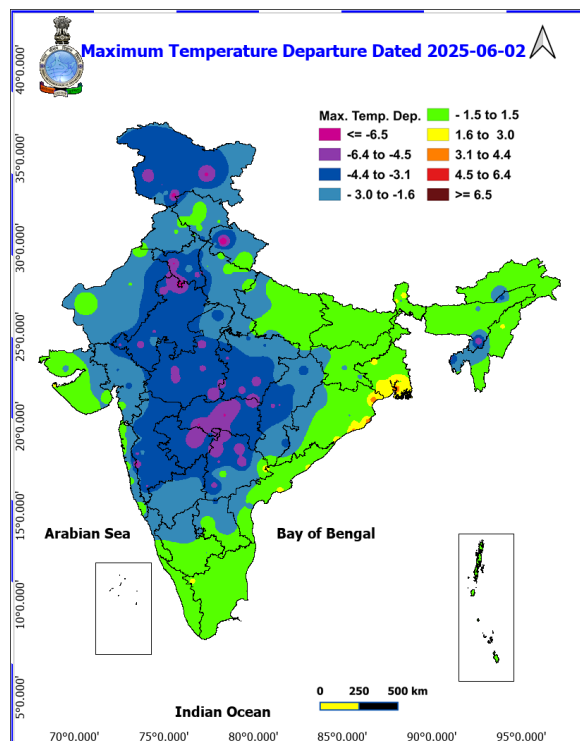
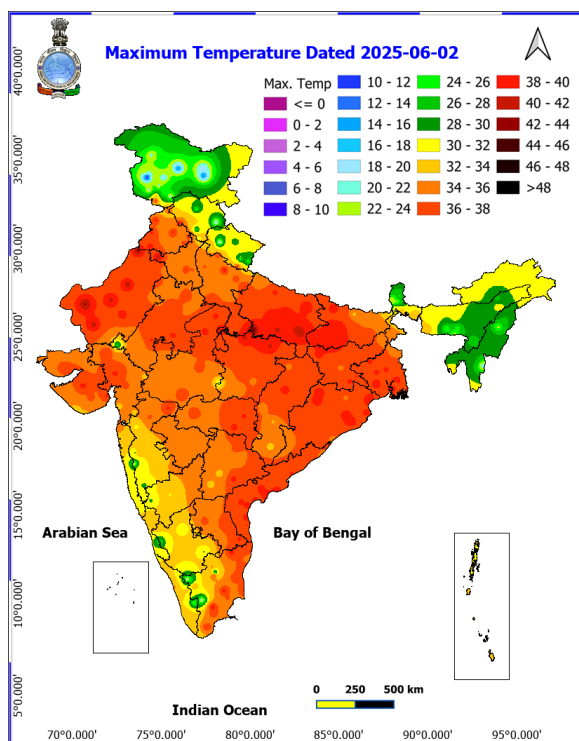


Fig. 3: Minimum Temperatures

Fig. 4: Departure of Minimum Temperatures

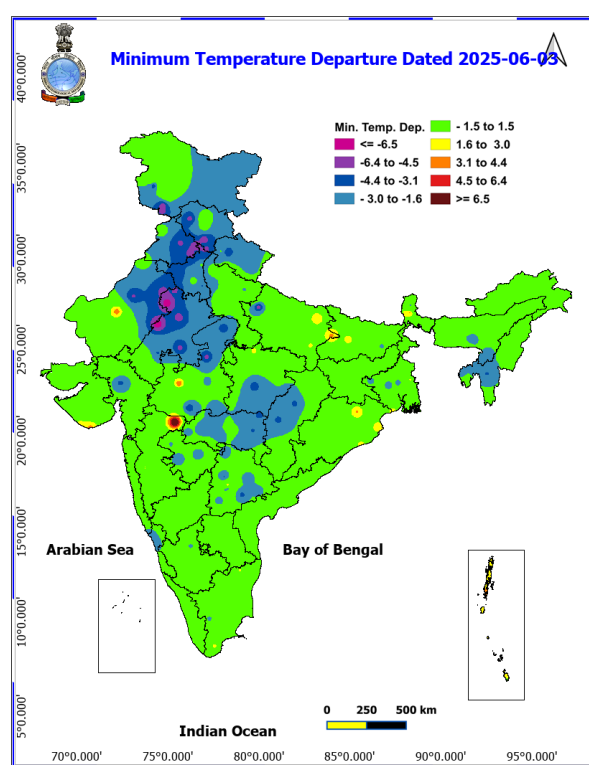
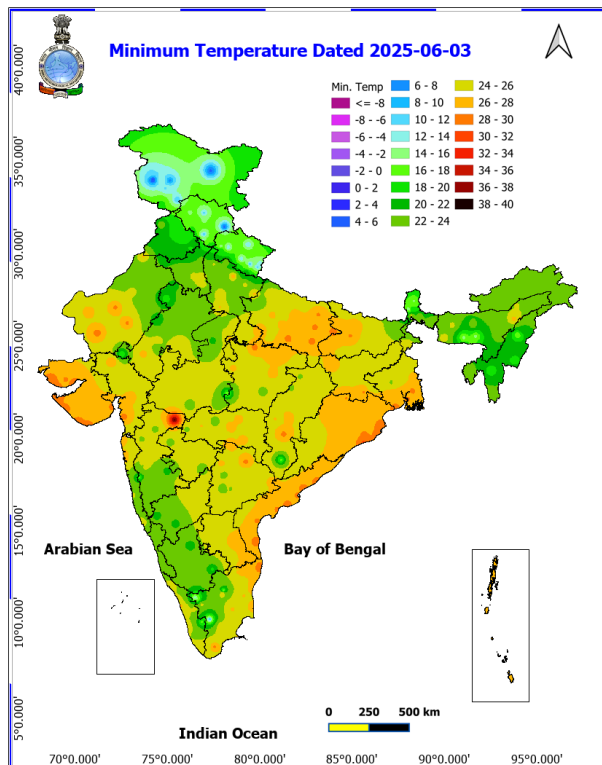


Fig. 5: Advance of Southwest Monsoon 2025

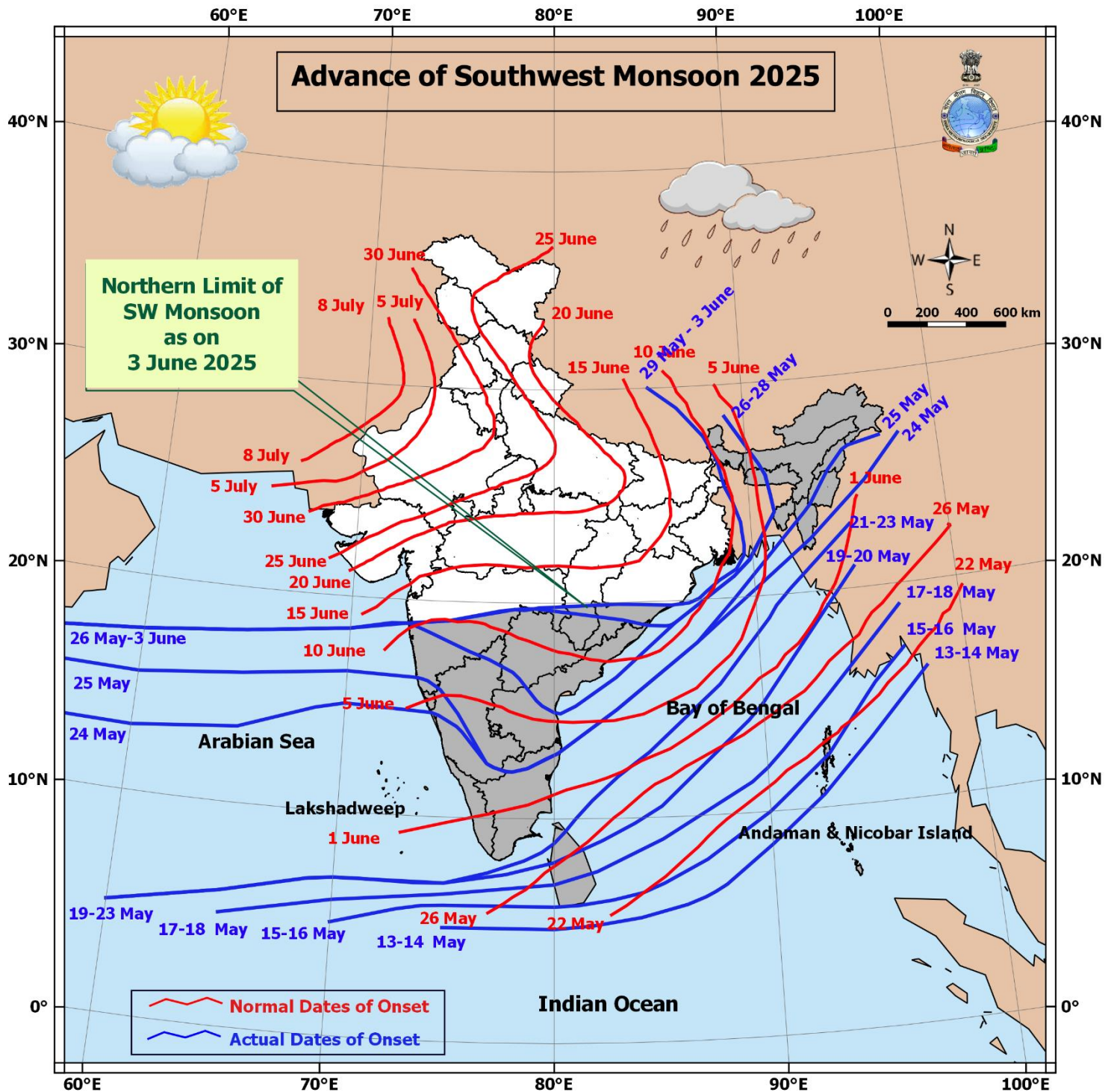
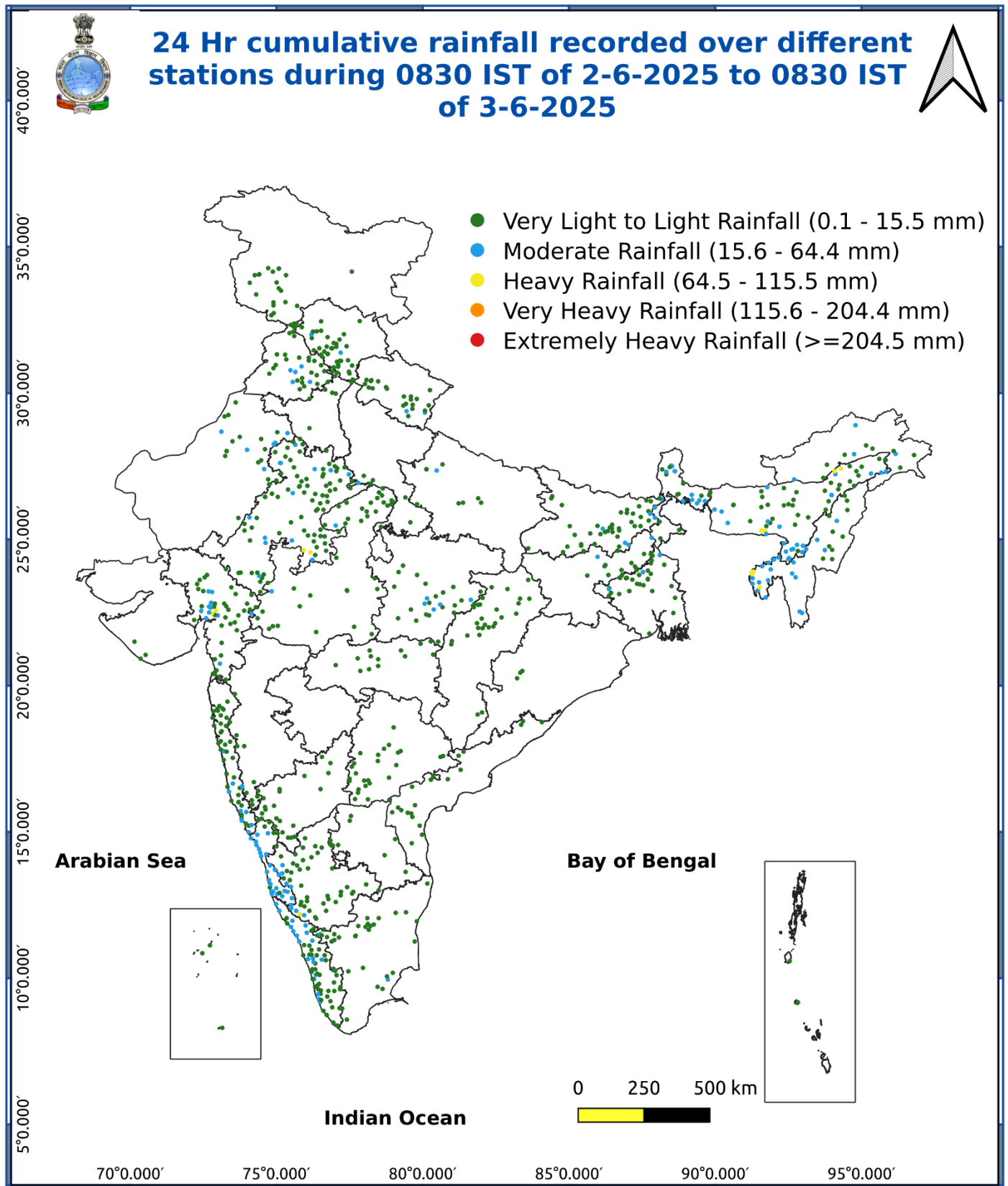


Fig. 6: Accumulated Rainfall (mm) during past 24 hours



Impact & Action Suggested due to heavy to very heavy rainfall over Assam & Meghalaya on 03rd & 04th and Nagaland, Manipur, Mizoram & Tripura on 03rd June. (For Orange colour warning areas)

Impact Expected

- ❖ Localized Flooding of roads, water logging in low lying areas of the above region.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ 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).

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 & Squally winds over

Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph over likely over Punjab, Haryana Chandigarh & Delhi, Uttar Pradesh, Rajasthan on 03rd, Uttarakhand on 02nd and West Madhya Pradesh, Bihar, Himachal Pradesh on 03rd & 04th and Sub-Himalayan West Bengal & Sikkim on 04th June.

Impact expected:

- Minor to Major damage to banana and papaya trees.
- Strong wind/hail may damage plantation, horticulture and standing crops.
- Partial damage to vulnerable structures due to strong winds.
- Minor damage to kutcha houses/walls and huts.
- Loose objects may fly.

Action suggested:

- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- 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 / Hailstorms / Gusty Winds / Heat Wave

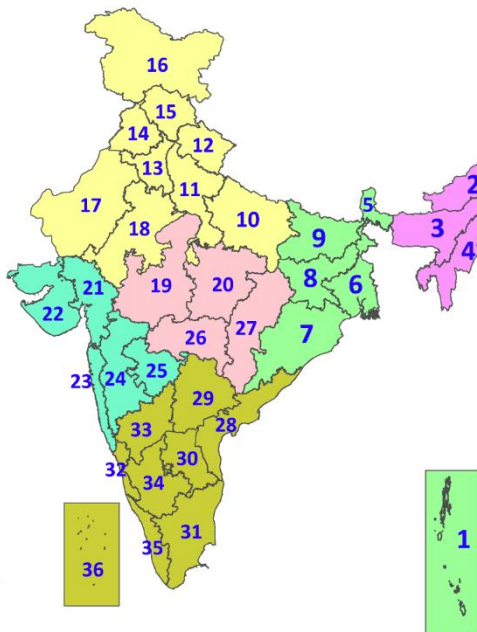
- Postpone transplanting of rice in **Arunachal Pradesh**; sowing of *Sali* rice and vegetables in **Assam**; sowing of finger millet, maize and black gram in **Manipur** and harvesting of rice in **Tripura**.
- Drain out excess water and ensure proper drainage in the rice nursery beds, fields of soybean, 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**; maize and upland rice in **Mizoram**; pre-kharif rice, soybean, finger millet, maize, black gram, vegetables and orchards in **Manipur**; cabbage, maize and orchards in **Nagaland**; rice fields, and *Aus* rice nurseries and vegetables.
- In **Himachal Pradesh**, use hail nets and hail caps to prevent mechanical damage in vegetables and orchards due to the possibility of hailstorms.
- 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.
- In **Gangetic West Bengal** and **Odisha**, apply light and frequent irrigation in the evening to protect standing crops, vegetables and orchards from the adverse effects of heat waves and high temperatures.

Livestock / Poultry / Fishery

- 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.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.
- To reduce the effect of heat wave/high temperature, cover the roof of poultry sheds with grass. Also, provide clean, hygienic and plenty of drinking water to animals.

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