

Tuesday, May 27, 2025  
Time of Issue: 0830 hours IST  
(MORNING)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features:

#### South peninsular India:

- ❖ Fairly widespread to widespread light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph with heavy rainfall at a few places with very heavy & extremely rainfall at isolated places** very likely over Kerala & Mahe on 27<sup>th</sup> May and **heavy to very heavy rainfall** thereafter during 28<sup>th</sup> May-01<sup>st</sup> June; heavy to very heavy rainfall with **extremely heavy rainfall** at isolated places very likely over Coastal & South Interior Karnataka on 27<sup>th</sup> May and **heavy to very heavy rainfall** thereafter during 28<sup>th</sup> May-01<sup>st</sup> June and heavy to very heavy rainfall over North Interior Karnataka during 27<sup>th</sup>-30<sup>th</sup> May.
- ❖ Scattered to fairly widespread light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Coastal Andhra Pradesh & Yanam, Rayalaseema and Telangana during next 5 days with and **Isolated heavy rainfall** likely over Coastal Andhra Pradesh & Yanam, Telangana during 27<sup>th</sup>-29<sup>th</sup>; Rayalaseema on 27<sup>th</sup> May.
- ❖ Isolated to scattered light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph with heavy to very heavy rainfall** likely over Tamilnadu Puducherry & Karaikal during 27<sup>th</sup>-31<sup>st</sup> May.
- ❖ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Coastal Andhra Pradesh & Yanam, Rayalaseema during 27<sup>th</sup>-29<sup>th</sup> May.

#### West India:

- ❖ Scattered to fairly widespread light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** over Konkan & Goa, Madhya Maharashtra, Marathawada during 27<sup>th</sup>-31<sup>st</sup>; Gujarat State during 27<sup>th</sup>-29<sup>th</sup> May.
- ❖ **Isolated heavy rainfall** likely over Marathawada during 27<sup>th</sup>-28<sup>th</sup>; Gujarat Region during 27<sup>th</sup>-29<sup>th</sup> with isolated **very heavy rainfall** at some places over Konkan & Goa, Madhya Maharashtra during 28<sup>th</sup>-30<sup>th</sup> and isolated places over Marathawada on 27<sup>th</sup> May.
- ❖ Isolated **extremely heavy rainfall** very likely over Konkan and ghat areas of Madhya Maharashtra on 27<sup>th</sup> May.

#### Northeast India:

- ❖ Fairly widespread to widespread light/moderate rainfall accompanied with **thunderstorm, lightning** over Northeast India during next 7 days. **Isolated heavy rainfall** likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura during 27<sup>th</sup> May-01<sup>st</sup> June with isolated **very heavy rainfall** likely over Nagaland, Manipur, Mizoram & Tripura during 28<sup>th</sup> May-01<sup>st</sup> June and Assam & Meghalaya during 29<sup>th</sup> May-01<sup>st</sup> June.

#### East & Central India:

- ❖ Scattered to fairly widespread light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Vidarbha, Chhattisgarh, West Bengal & Sikkim, Jharkhand, Odisha during 27<sup>th</sup>-31<sup>st</sup> May. **Isolated to scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Madhya Pradesh, Bihar during 27<sup>th</sup>-31<sup>st</sup> May.
- ❖ **Isolated heavy rainfall** likely over Vidarbha on 27<sup>th</sup>, 29<sup>th</sup> & 30<sup>th</sup>; Chhattisgarh during 27<sup>th</sup>-30<sup>th</sup>; Andaman & Nicobar Islands during 27<sup>th</sup>-28<sup>th</sup>; Bihar on 30<sup>th</sup> & 31<sup>st</sup> May; West Bengal & Sikkim during 29<sup>th</sup> May-01<sup>st</sup> June; Odisha during 27<sup>th</sup>-30<sup>th</sup> with isolated **very heavy rainfall** over Sub-Himalayan West Bengal & Sikkim during 29<sup>th</sup>-31<sup>st</sup>; Odisha on 28<sup>th</sup> & 29<sup>th</sup> May.

#### Northwest India:

- ❖ Scattered to fairly widespread light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Uttar Pradesh, Rajasthan during 27<sup>th</sup> May-01<sup>st</sup> June with **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Himachal Pradesh on 27<sup>th</sup>, 28<sup>th</sup>, 30<sup>th</sup> & 31<sup>st</sup> May.
- ❖ **Isolated hailstorm** over Himachal Pradesh on 27<sup>th</sup> & 28<sup>th</sup> May.
- ❖ **Isolated heavy rainfall** also likely over Uttarakhand during 28<sup>th</sup>-30<sup>th</sup>; Himachal Pradesh on 30<sup>th</sup> & 31<sup>st</sup> May.

#### Maximum Temperature Forecast:

- ❖ Fall by about 4-6°C in maximum temperatures likely over Northwest India during next 24 hours and gradual rise by 3-4°C thereafter for subsequent 4-5 days.
- ❖ No significant change in maximum temperatures likely over Central India during next 2 days and gradual rise by 2-3°C thereafter for subsequent 5 days.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

#### Heat wave warnings:

- ❖ **Heat wave conditions** very likely in isolated pockets of West Rajasthan during 27<sup>th</sup>-28<sup>th</sup> May.

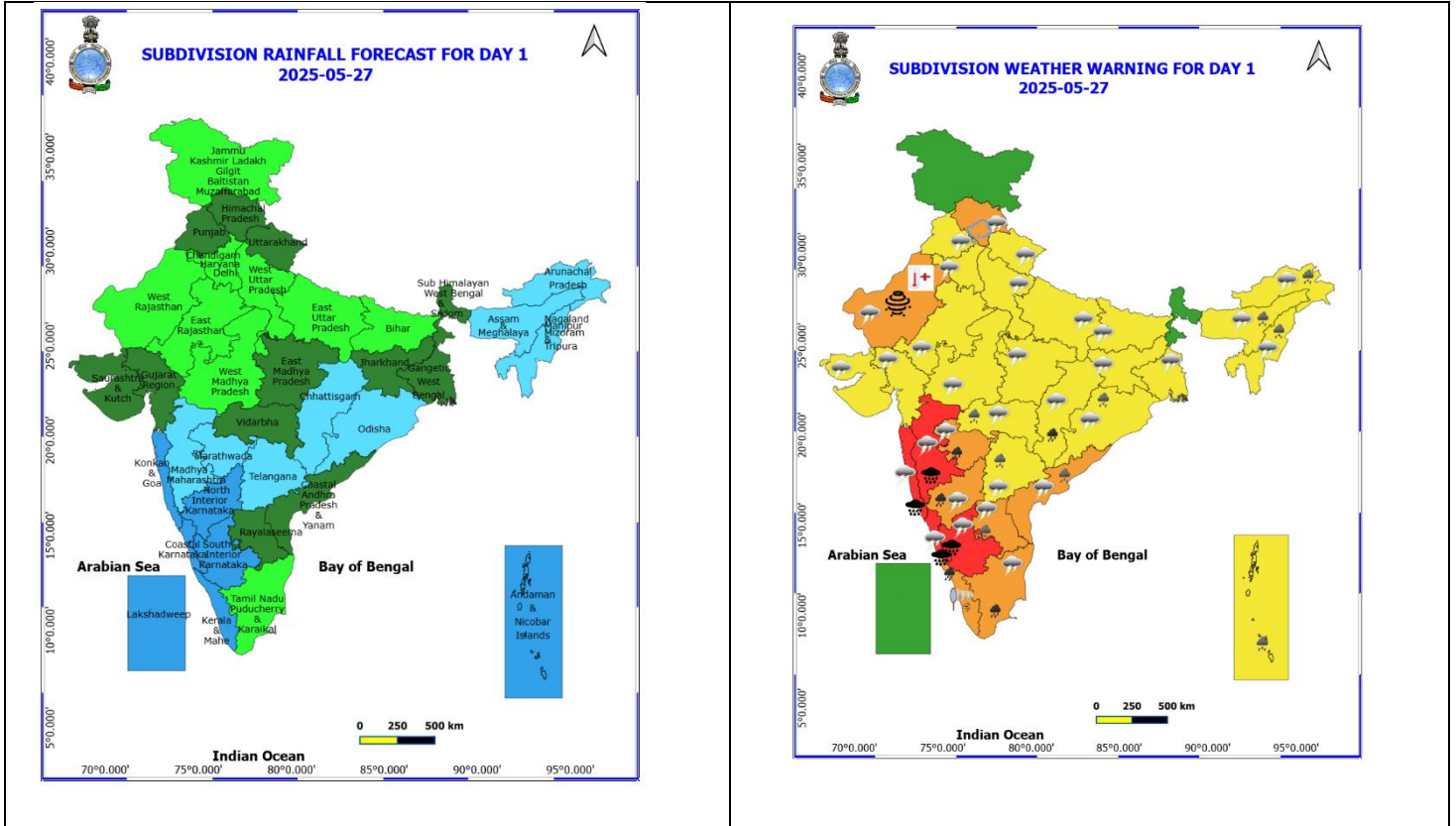
## Main Weather Observations:

- ❖ **Rainfall** (from 0830 hours IST to 1730 hours IST of yesterday) **at most places** over Konkan & Goa , Gangetic West Bengal, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Kerala & Mahe, South Interior Karnataka, North Interior Karnataka, Coastal Karnataka, Rayalaseema and Lakshadweep ; **at many places** over Odisha, West Uttar Pradesh, Madhya Maharashtra , Assam & Meghalaya, Andaman & Nicobar Islands, East Uttar Pradesh, Bihar, Jharkhand, West Madhya Pradesh, Tamilnadu Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Telangana and Chhattisgarh; **Dry** over rest of the country.
- ❖ **Significant rainfall recorded (in cm)** (from 0830 hours IST to 1730 hours IST of yesterday): **Konkan & Goa:** Mumbai (colaba) (dist ) 14, Matheran (dist Raigad) 12, Mumbai (santacruz) AP (dist ), Alibag (dist Raigad) 7 Each; **Kerala & Mahe:** Palakkad (palghat) (dist Palakkad) 8; **Gangetic West Bengal:** Kolkata (dum Dum) AP (dist North 24 Parganas), Asansol (dist Paschim Bardhaman) 7 Each.
- ❖ **Heavy Rainfall observed** (from 0830 hours IST to 1730 hours IST of yesterday): **Heavy to very heavy rain** at isolated places over Konkan & Goa; **Heavy rain** at a few places over Konkan & Goa; at isolated places over Gangetic West Bengal and Kerala & Mahe.
- ❖ **Minimum Temperature Departures (as on 26-05-2025):** Minimum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at Isolated places over Rajasthan and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad. **above normal (1.6°C to 3.0°C)** at Isolated places over East Uttar Pradesh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Himachal Pradesh, Gujarat state. These were **markedly below normal (- 5.1°C or less)** at Few places over Chhattisgarh, Telangana, West Madhya Pradesh; **near below normal (-1.5°C to 1.5°C)** at most places over Vidarbha, North Interior Karnataka; at many places over Marathwada, Madhya Maharashtra, Konkan & Goa; at Few places over Coastal Karnataka; at Isolated places over Punjab, Haryana-Chandigarh-Delhi, East Madhya Pradesh, Coastal Andhra Pradesh & Yanam, Rayalaseema. **Today**, the lowest minimum temperature of **21.4°C** was reported at **Ludhiana & Khandwa (Punjab & West Madhya Pradesh)** over the Plains of India.
- ❖ **Maximum Temperature Departures (as on 26-05-2025):** Maximum Temperature were **markedly above normal (> 5.1°C)** at few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad. **appreciably above normal (3.1°C to 5.0°C)** at isolated places over Assam & Meghalaya, West Uttar Pradesh, Himachal Pradesh, East Madhya Pradesh, Saurashtra & Kutch and Tamil Nadu, Puducherry & Karaikal. **above normal (1.6°C to 3.0°C)** at few places over Nagaland, Manipur, Mizoram & Tripura and West Rajasthan; at isolated places over Gujarat Region. These were **near normal (-1.5°C to 1.5°C)** at many places over East Rajasthan; at few places over Andaman & Nicobar Islands, Arunachal Pradesh, Odisha, East Uttar Pradesh and Punjab; at isolated places over Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Bihar, Uttarakhand, West Madhya Pradesh, Coastal Andhra Pradesh & Yanam, South Interior Karnataka and Kerala & Mahe. **The highest maximum temperature of 45.2°C was reported at Barmer (Rajasthan).**

## Meteorological Analysis (Based on 0530 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, Pune, Sholapur, Kalaburagi, Mahbubnagar, Kavali, 16.5°N/83°E, 19°N/86°E, 21°N/89°E, Agartala, Goalpara and 28.5°N/89°E.
- ❖ Conditions are favourable for further advance of Southwest Monsoon into remaining parts of central Arabian Sea, some more parts of Maharashtra, remaining parts of Karnataka, some more parts of Telangana, Andhra Pradesh, remaining parts of westcentral & some more parts of North Bay of Bengal and remaining parts Northeastern states and some parts of Sub-Himalayan West Bengal and Sikkim during next 3 days.
- ❖ An upper air **cyclonic circulation** extending upto mid-tropospheric levels lay over Northwest and adjoining Westcentral Bay of Bengal at 0530 hrs IST of today, the 27th May 2025. Under its influence, a low pressure is likely to form over the same area today. It is likely become more marked.
- ❖ The **low-pressure area** over Marathwada & neighbourhood has become less marked. However, the associated cyclonic circulation now lies over south Chhattisgarh & adjoining east Vidarbha and extends upto 1.5 km above mean sea level.
- ❖ An **upper air cyclonic circulation** lies over central parts of west Madhya Pradesh and extends upto 1.5 km above mean sea level.
- ❖ The **upper air cyclonic circulation** over east central Arabian sea persists over the same area between 1.5 and 5.8 km above mean sea level.
- ❖ The **trough** from above cyclonic circulation over east central Arabian sea to coastal Andhra Pradesh across south Konkan and Telangana between 3.1 and 5.8km above mean sea level persists.
- ❖ The **Western Disturbance** as an upper air cyclonic circulation over Haryana at 3.1 km above mean sea level with the trough aloft in middle tropospheric westerlies with its axis at 5.8 km above mean sea levels now runs roughly along Long. 90°E to the north of Lat. 32°N, have moved away northeastwards.
- ❖ The **upper air cyclonic circulation** over northeast Assam & neighbourhood at 3.1km above mean sea level persists.
- ❖ The **upper air cyclonic circulation** over Southwest Rajasthan & neighbourhood extending upto 1.5 km above mean sea level has become less marked.
- ❖ The upper air **trough** from cyclonic circulation associated with above **low-pressure area** over Marathwada & neighbourhood to northwest Bay of Bengal across Chhattisgarh and Odisha extending upto 1.5 km above mean sea level has become less marked.

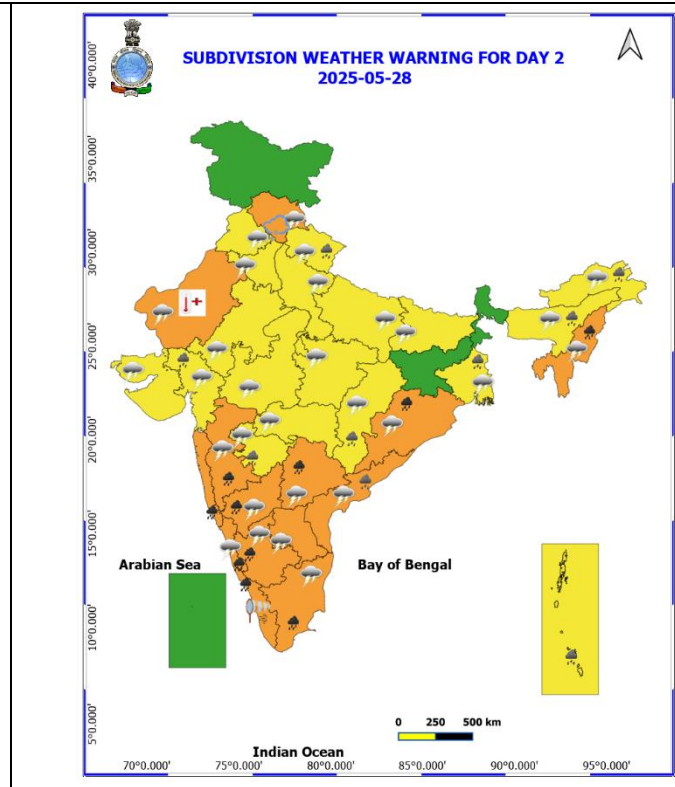
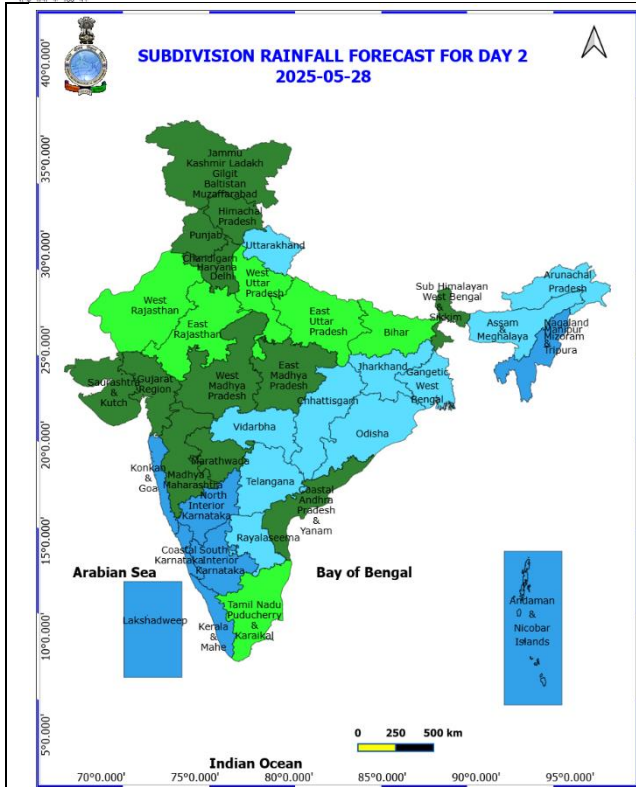
Weather Forecast & Warnings for next 7 days (Upto 0830 hours IST of 03<sup>rd</sup> June, 2025)



27<sup>th</sup> May (Day 1)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Costal Karnataka, Konkan & Goa, Madhya Maharashtra and South Interior Karnataka.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Chhattisgarh, Kerala & Mahe, Marathwada, North Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram and Tripura, Odisha, Telangana and Vidarbha.
- ❖ **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 Andhra Pradesh, Himachal Pradesh and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Costal Karnataka, East Rajasthan, Gujarat State, Haryana, Chandigarh & Delhi, Interior Karnataka, Madhya Pradesh, Punjab and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Gangetic West Bengal, Jharkhand, Odisha, Telangana, Uttar Pradesh, Uttarakhand and Vidarbha.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Konkan & Goa, Madhya Maharashtra, Marathwada and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Dust Storm** very likely at isolated places over West Rajasthan.
- ❖ **Strong Surface Winds** very likely at isolated places over Kerala & Mahe.
- ❖ **Heat Wave conditions** very likely at isolated places over West Rajasthan.

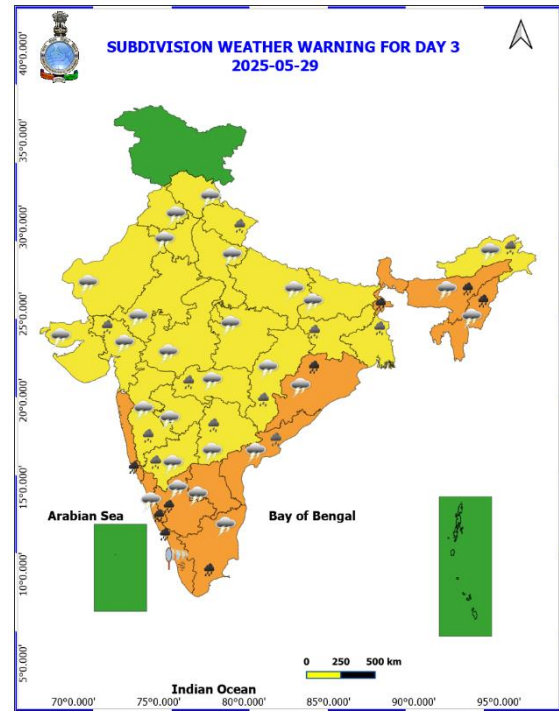
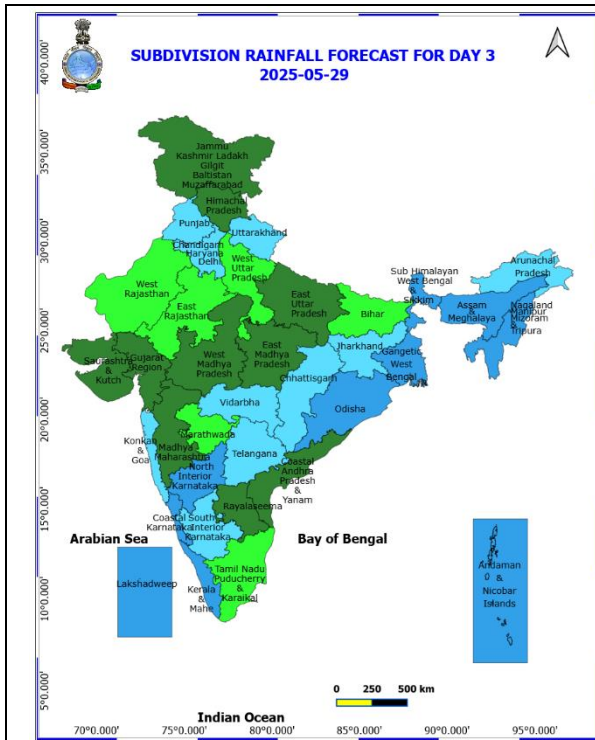
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**28<sup>th</sup> May (Day 2)**

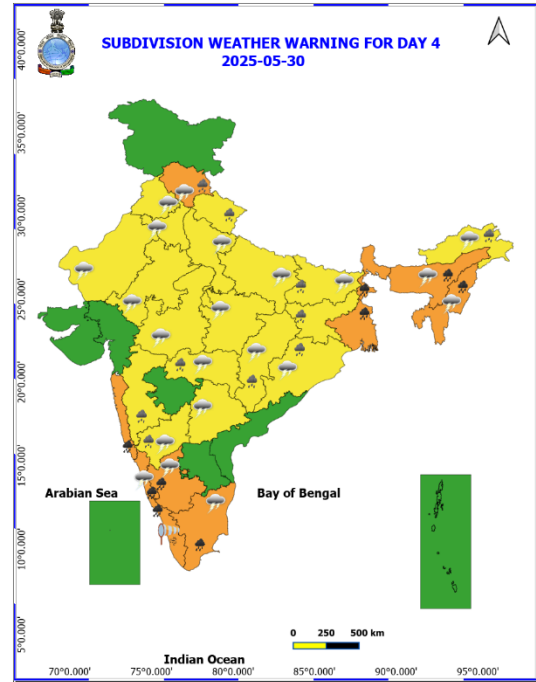
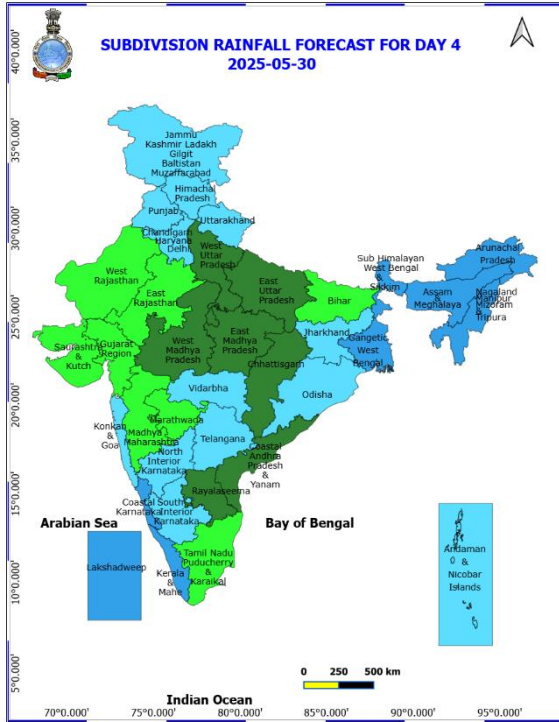
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Costal Karnataka, Interior Karnataka, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Odisha, Tamil Nadu Puducherry & Karaikal and Telangana.
- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Coastal Andhra Pradesh, Gangetic West Bengal, Gujarat Region, Marathwada and Uttarakhnad.
- ❖ **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 Andhra Pradesh, Himachal Pradesh and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Costal Karnataka, East Rajasthan, Gujarat State, Haryana, Chandigarh & Delhi, Interior Karnataka, Madhya Pradesh, Punjab and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Gangetic West Bengal, Odisha, Telangana, Uttar Pradesh, Uttarakhnad and Vidarbha.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Madhya Maharashtra, Marathwada and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Strong Surface Winds** very likely at isolated places over Kerala & Mahe.
- ❖ **Heat Wave conditions** very likely at isolated places over West Rajasthan.

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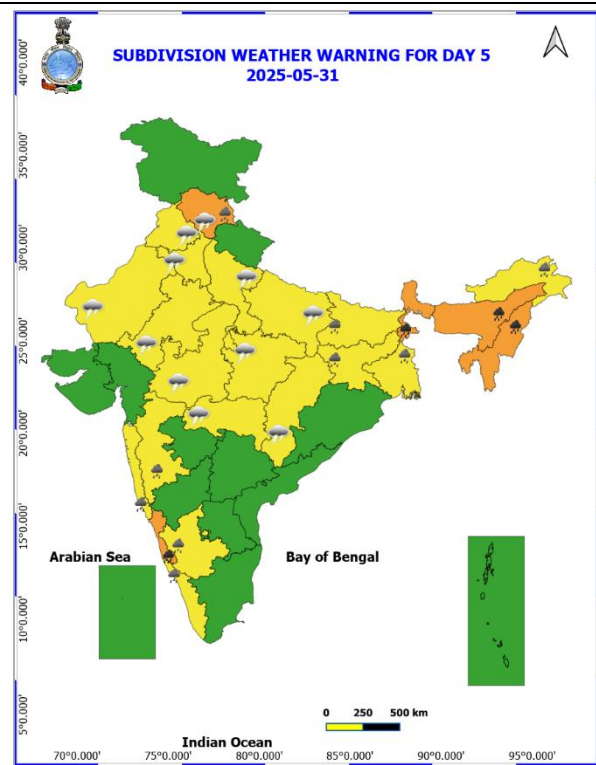
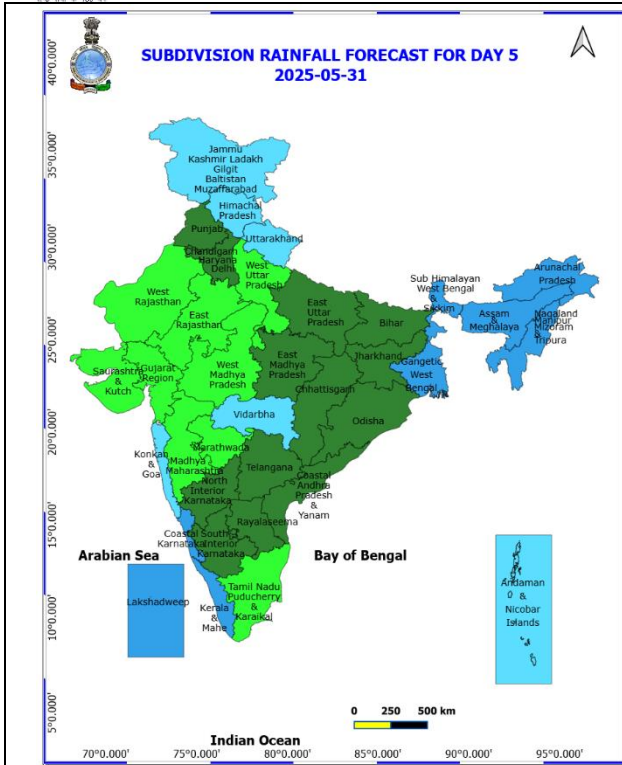
### 29<sup>th</sup> May (Day 3)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Assam & Meghalaya, Coastal Karnataka, Kerala & Mahe, Konkan & Goa, Nagaland, Manipur, Mizoram and Tripura, Odisha, South Interior Karnataka, Sub Himalayan West Bengal & Sikkim and Tamil Nadu Puducherry & Karaikal.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Chhattisgarh, Coastal Andhra Pradesh, Gangetic West Bengal, Gujarat Region, Jharkhand, Madhya Maharashtra, North Interior Karnataka, Telangana, Uttarakhand and Vidarbha.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Andhra Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Coastal Karnataka, Gujarat State, Haryana, Chandigarh & Delhi, Himachal Pradesh, Interior Karnataka, Madhya Pradesh, Punjab, Rajasthan and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Odisha, Telangana, Uttar Pradesh and Vidarbha.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Madhya Maharashtra, Marathwada and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Strong Surface Winds** likely at isolated places over Kerala & Mahe.



### 30<sup>th</sup> May (Day 4)

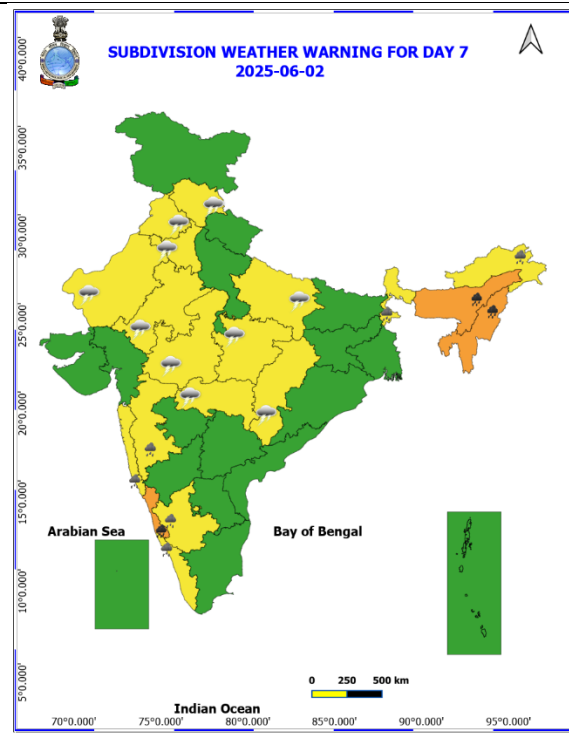
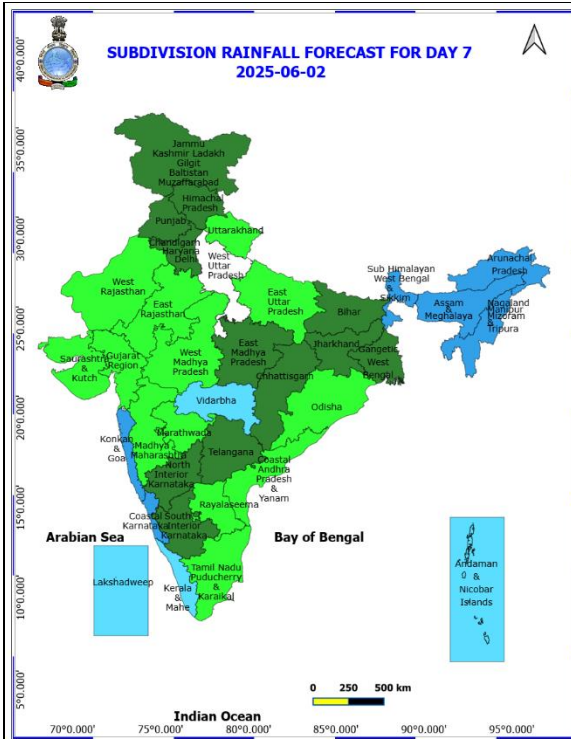
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Assam & Meghalaya, Costal Karnataka, Kerala & Mahe, Konkan & Goa, Nagaland, Manipur, Mizoram and Tripura, South Interior Karnataka, Tamil Nadu Puducherry & Karaikal and West Bengal & Sikkim.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Bihar, Chhattisgarh, Himachal Pradesh, Jharkhand, Madhya Maharashtra, North Interior Karnataka, Odisha, Uttarakhand and Vidarbha.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Himachal Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Costal Karnataka, Haryana, Chandigarh & Delhi, Interior Karnataka, Madhya Pradesh, Punjab, Rajasthan, Tamil Nadu Puducherry & Karaikal and Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Odisha, Telangana and Vidarbha.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Strong Surface Winds** likely at isolated places over Kerala & Mahe.



### 31<sup>st</sup> May (Day 5)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Assam & Meghalaya, Costal Karnataka, Nagaland, Manipur, Mizoram and Tripura and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Bihar, Gangetic West Bengal, Himachal Pradesh, Jharkhand, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra and South Interior Karnataka.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Himachal Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over East Uttar Pradesh, Madhya Pradesh and Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Vidarbha and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Chhattisgarh, Haryana, Chandigarh & Delhi and Punjab.





### 02<sup>nd</sup> June (Day 7)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Assam & Meghalaya, Coastal Karnataka and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, South Interior Karnataka and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over East Uttar Pradesh, Himachal Pradesh, Madhya Pradesh and Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Vidarbha.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Chhattisgarh, Haryana, Chandigarh & Delhi and Punjab.

### Weather Outlook for subsequent 3 days (During 03<sup>rd</sup> June- 05<sup>th</sup> June, 2025)

- ❖ **Fairly widespread to widespread** rainfall activity likely over Northeast India, West Bengal & Sikkim, Andaman & Nicobar Islands, Lakshadweep, Konkan & Goa, Coastal Karnataka and Kerala & Mahe.
- ❖ **Isolated to scattered rainfall** likely over Jammu-Kashmir-Ladakh, Uttarakhand, Himachal Pradesh, Odisha, south Chhattisgarh adjoining Coastal Andhra Pradesh & Yanam.

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

\* 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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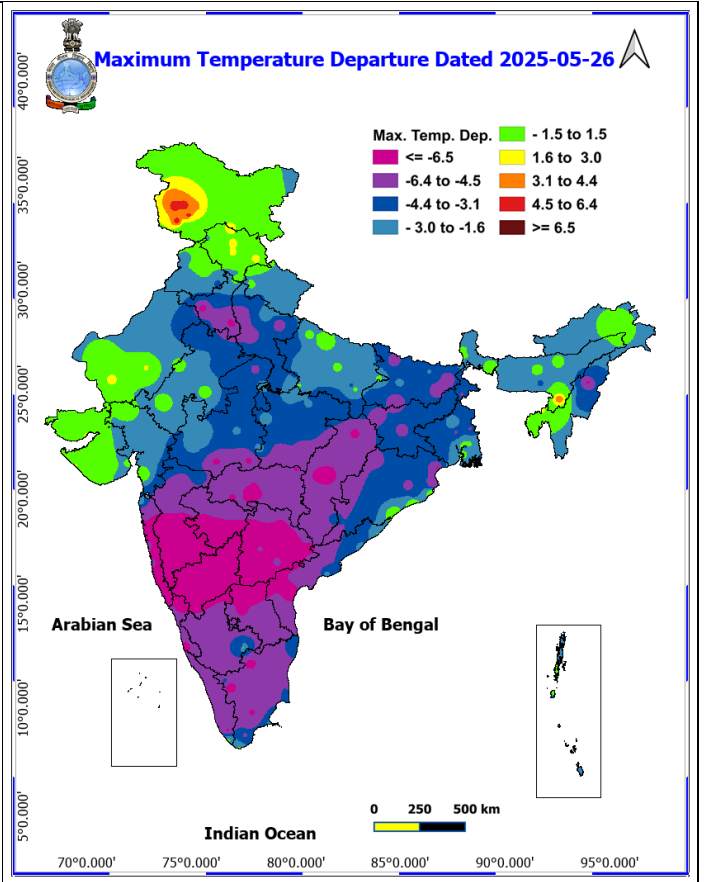
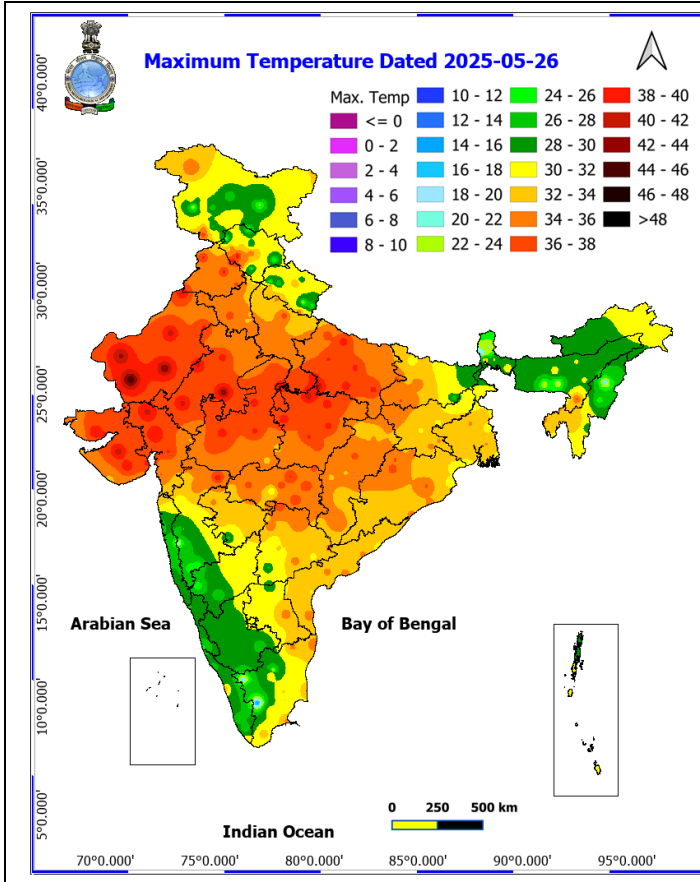


Fig. 3: Minimum Temperatures

Fig. 4: Departure of Minimum Temperatures

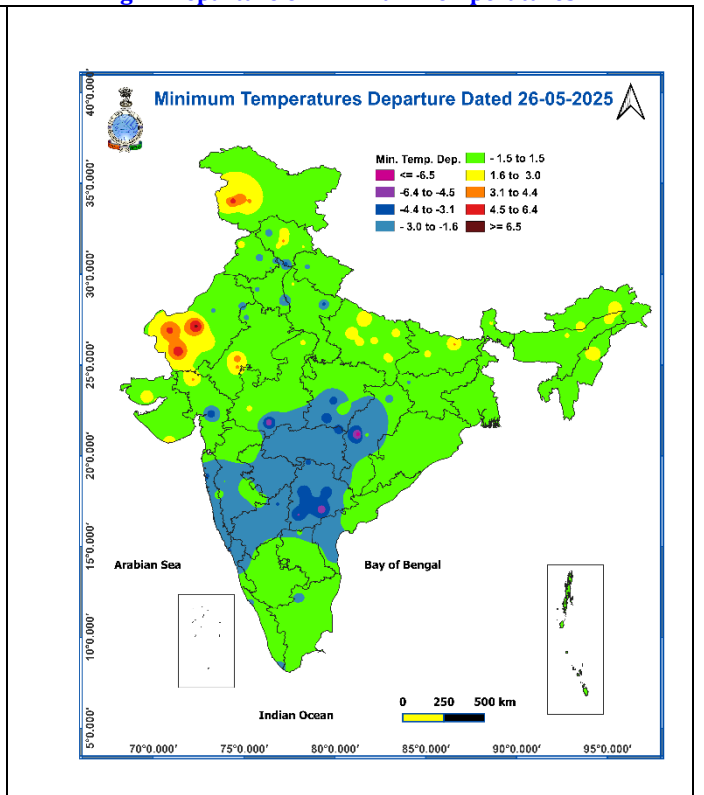
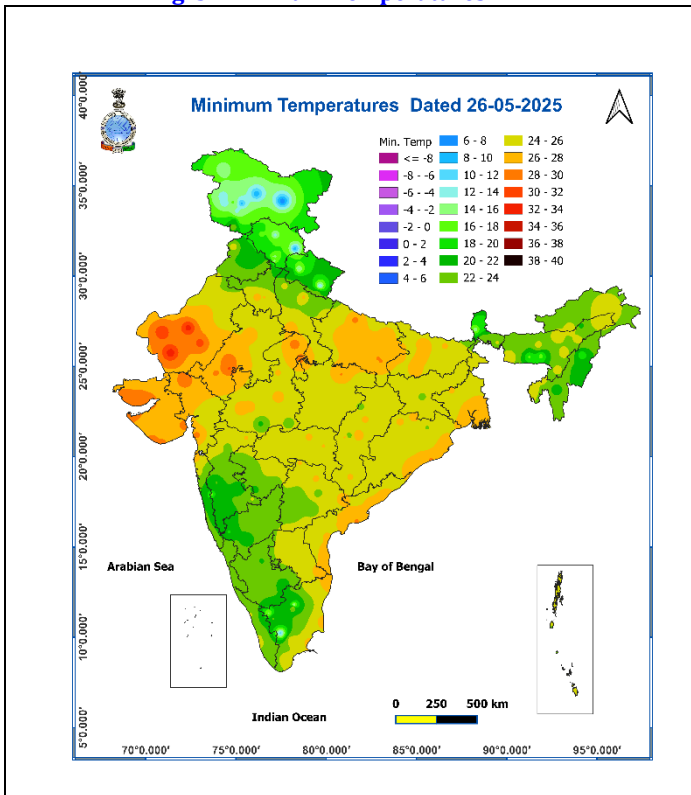
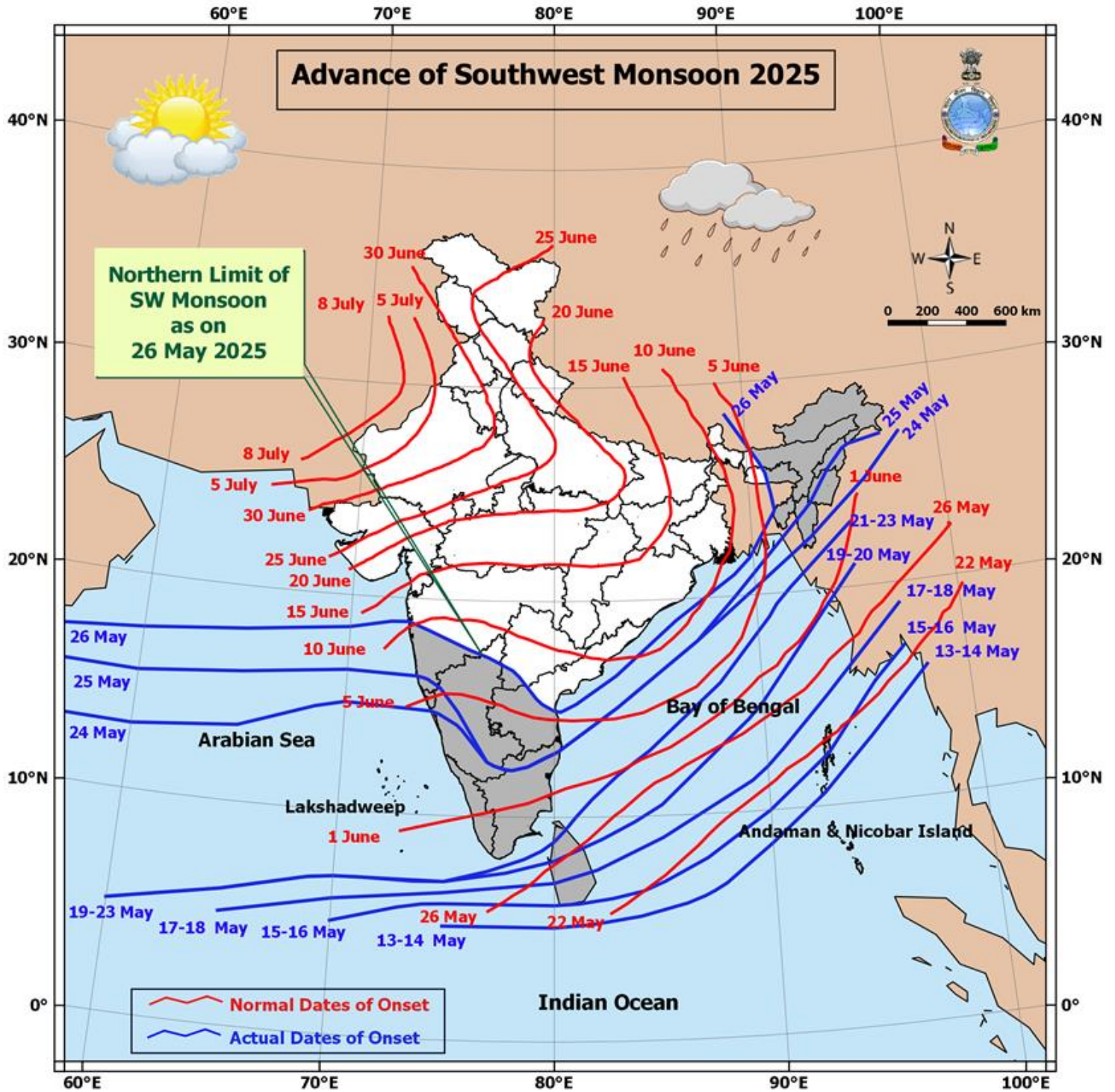
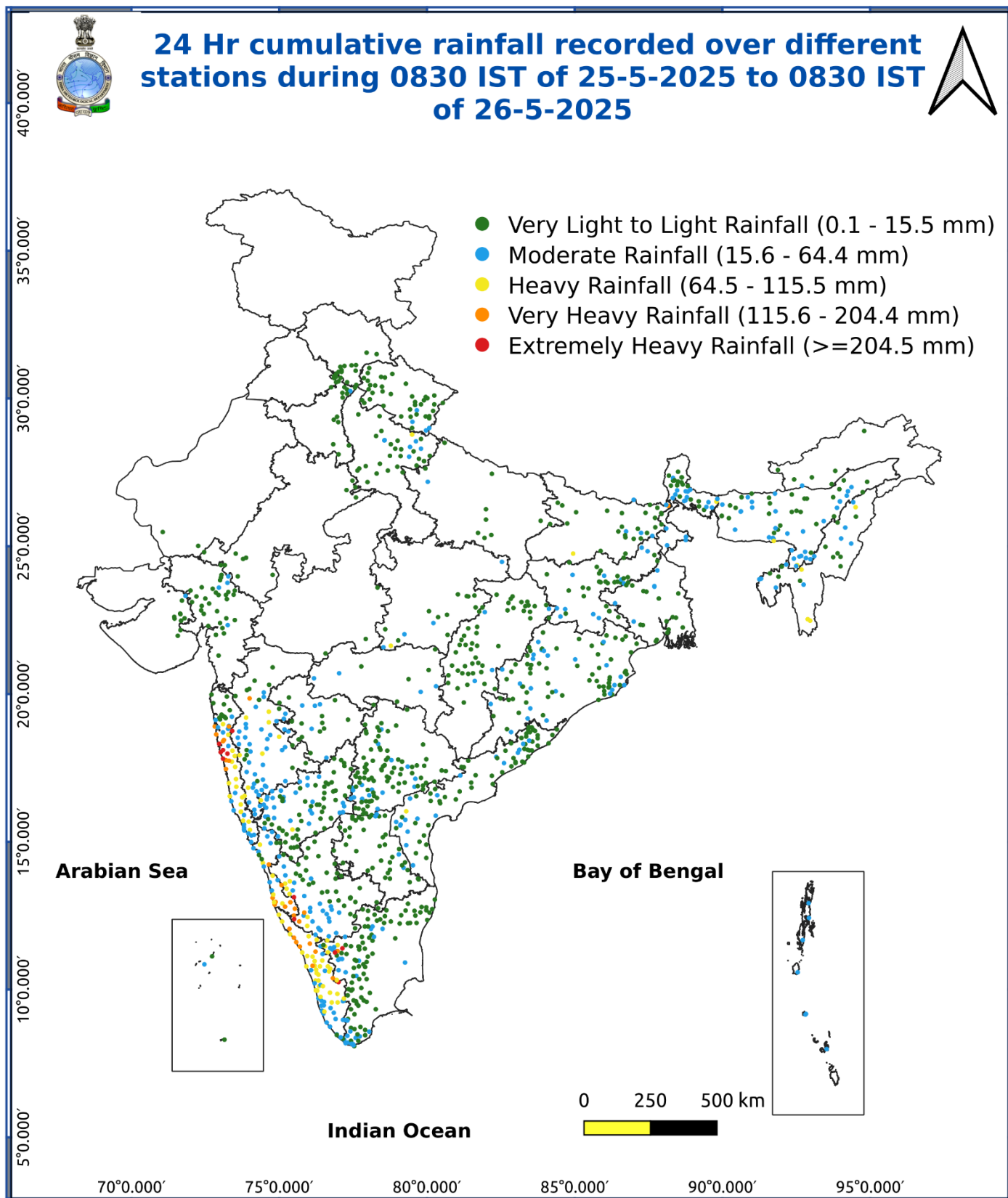


Fig. 5: Advance of Southwest Monsoon 2025



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



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### Impact & Action Suggested due to Extremely and heavy to very heavy rainfall over (For Red & Orange colour warning areas of Peninsular India & Maharashtra)

- ❖ **Extremely heavy rainfall** at isolated places over Kerala, Konkan & Goa, Madhya Maharashtra, Coastal and South Interior Karnataka on 27<sup>th</sup> May.
- ❖ **Heavy to very heavy rainfall** very likely over Tamilnadu Puducherry & Karaikal during 27<sup>th</sup>-31<sup>st</sup>; Kerala & Mahe, Coastal Karnataka during 28<sup>th</sup> May-01<sup>st</sup> June; South Interior Karnataka, Konkan & Goa, Madhya Maharashtra during 28<sup>th</sup>-31<sup>st</sup>; Assam & Meghalaya during 29<sup>th</sup> May-01<sup>st</sup> June; Nagaland, Manipur, Mizoram & Tripura during 28<sup>th</sup> May-01<sup>st</sup> June.

#### 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).

#### 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 & Hailstorm over

- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Coastal Andhra Pradesh & Yanam, Rayalaseema during 27<sup>th</sup>-29<sup>th</sup> May, Himachal Pradesh on 27<sup>th</sup>, 28<sup>th</sup>, 30<sup>th</sup> & 31<sup>st</sup> May.
- ✓ **Isolated hailstorm** over Himachal Pradesh on 27<sup>th</sup> & 28<sup>th</sup> May.

#### Impact expected:

- Breaking of tree branches, uprooting of large avenue trees. Large dead limbs blown from trees. Damage to Standing crops.
- Minor to Major damage to banana and papaya trees.
- Minor to major damage to power and communication lines due to breaking of branches.
- 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:

- 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.

### Impact expected and action suggested due to Heat wave conditions in isolated pockets of West Rajasthan during 27<sup>th</sup>-28<sup>th</sup> May.

#### Orange alert Areas

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

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

- In North Eastern States, Andaman & Nicobar Islands, Odisha, Bihar, Chhattisgarh, Konkan & Goa, Madhya Maharashtra, Marathwada, Tamil Nadu, Kerala, Karnataka, Andhra Pradesh and Telangana, drain out excess water and ensure proper drainage in fields with standing crops 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 to horticultural crops and staking to vegetables to avoid lodging.
- In West Rajasthan, 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.

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

- In North Eastern States, Andaman & Nicobar Islands, Odisha, Jharkhand, Bihar, Uttarakhand, Maharashtra, Gujarat region, Tamil Nadu, Kerala, Karnataka, Coastal Andhra Pradesh and Telangana, drain out excess water and ensure proper drainage in fields with standing crops and vegetables.
- 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 to horticultural crops and staking to vegetables to avoid lodging.
- In Rajasthan, 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.

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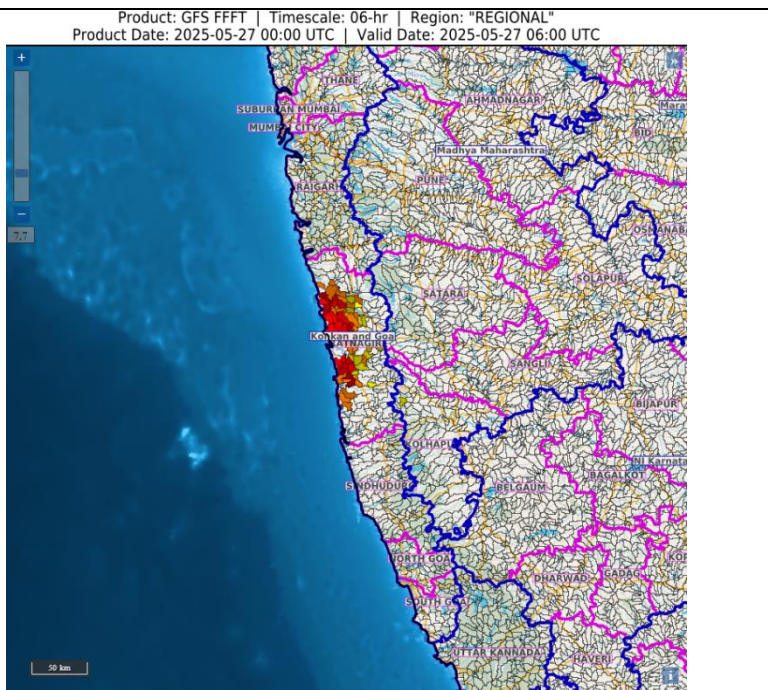
**Flash Flood Guidance:**

**Forecast Flash Flood Threat (FFFT) till 1130 IST of 27-05-2025 :**

**Moderate flash flood threat** likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 6 hours.

**Konkan & Goa - Ratnagiri districts.**

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 6 hours.



**24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 28-05-2025 :**

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

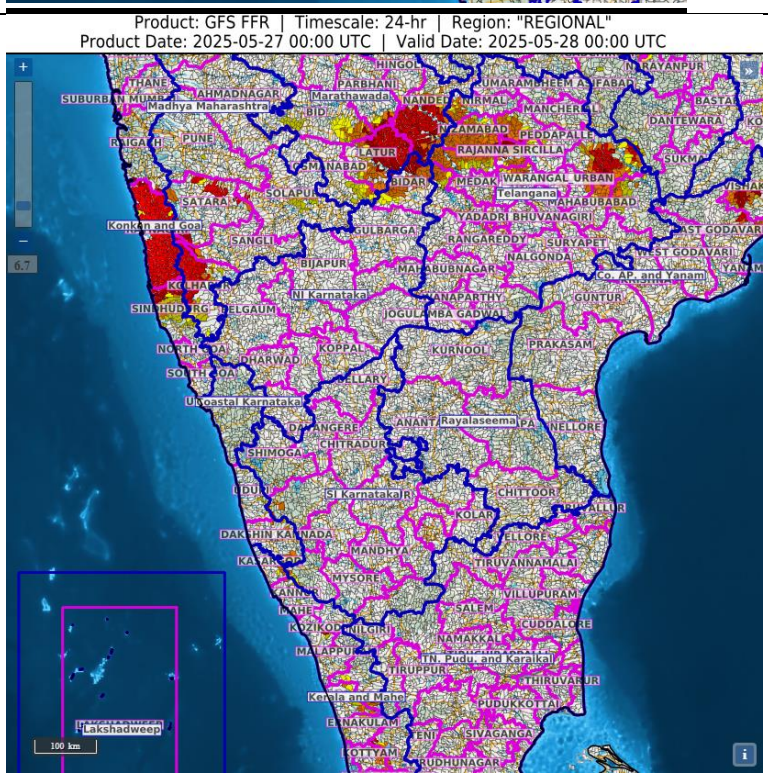
**Konkan & Goa - Raigarh, Ratnagiri and Sindhudurg districts.**

**Madhya Maharashtra – Pune and Satara districts.**

**Marathawada - Bid, Latur and Osmanabad districts.**

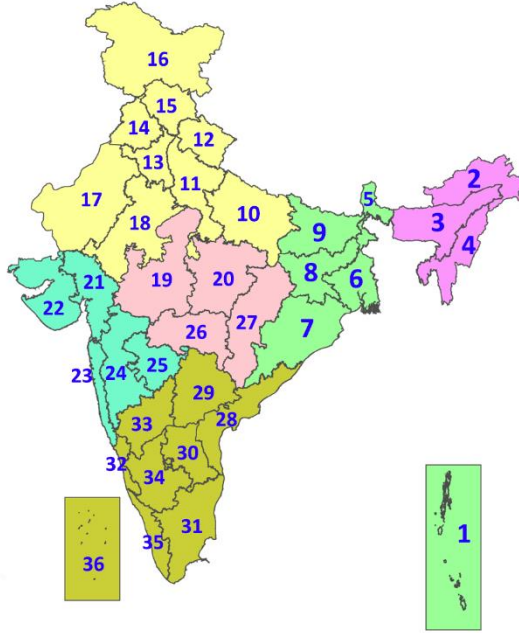
**Telangana – Nizamabad, Nirmal, Jagtial, and Rajanna Sircilla districts**

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



## 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

### COLOUR CODED WARNING

No Warning (No Action)

Watch (Be Aware)

Alert (Be Prepared To Take Action)

Warning (Take Action)



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

### Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

## 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)