

2026-09-21

Time of Issue: 09:04:00 hours IST  
(Morning)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

#### Weather Forecast and Warnings:

##### East India:

- **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands and Gangetic West Bengal during 21st-26th September; Jharkhand, Odisha and Sub-Himalayan West Bengal & Sikkim during 22nd-26th September; Bihar during 24th-26th September.
- **Isolated to Scattered** rainfall likely over Jharkhand, Odisha and Sub-Himalayan West Bengal & Sikkim on 21st September; Bihar during 21st-23rd September.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Andaman & Nicobar Islands during 21st-24th September; Gangetic West Bengal during 22nd-25th September; Jharkhand during 21st-26th September; Bihar during 22nd-26th September; Odisha during 21st-22nd September, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Sub-Himalayan West Bengal & Sikkim during 22nd-26th September; Gangetic West Bengal on 21st September.
- **Isolated heavy rainfall** likely over Andaman & Nicobar Islands on 21st September; Sub-Himalayan West Bengal & Sikkim during 23rd-24th September and on 26th September; Gangetic West Bengal during 22nd-25th September; Jharkhand during 23rd-25th September; Bihar during 24th-26th September; Odisha during 23rd-24th September and on 26th September with isolated **very heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim on 25th September; Odisha on 22nd September and on 25th September.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Odisha during 23rd-24th September.
- **Heavy to very heavy rainfall at a few places with isolated extremely heavy rainfall likely over south Odisha on 23<sup>rd</sup> & 24<sup>th</sup> September.**
- **Moderate to severe lightning activity likely over Jharkhand on 21<sup>st</sup> & 22<sup>nd</sup> and Gangetic West Bengal during 22<sup>nd</sup>-25<sup>th</sup> September.**

##### South Peninsular India:

- **Isolated to Scattered** rainfall likely over Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 21st-26th September; Kerala & Mahe during 22nd-23rd September and on 26th September; Coastal Karnataka, North Interior Karnataka and South Interior Karnataka on 26th September; Coastal Andhra Pradesh & Yanam on 21st September and during 25th-26th September.
- **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe on 21st September and during 24th-25th September; Lakshadweep during 21st-26th September; Coastal Karnataka, North Interior Karnataka and South Interior Karnataka during 21st-25th September; Coastal Andhra Pradesh & Yanam during 22nd-24th September; Telangana during 21st-26th September.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 21st-22nd September; Coastal Karnataka, Rayalaseema and South Interior Karnataka during 21st-23rd September; Coastal Andhra Pradesh & Yanam during 22nd-24th September; Telangana during 21st-22nd September and on 26th September, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Karnataka and South Interior Karnataka on 24th September; North Interior Karnataka during 21st-24th September; Coastal Andhra Pradesh & Yanam on 21st September.
- **Isolated thunderstorm & lightning** likely over Kerala & Mahe and Lakshadweep on 21st September.
- **Isolated heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal on 21st September; Kerala & Mahe on 24th September; Coastal Karnataka, North Interior Karnataka and South Interior Karnataka during 21st-24th September; Coastal Andhra Pradesh & Yanam on 21st September and on 24th September; ; Telangana during 21st-22nd September and on 26th September with isolated **very heavy rainfall** also likely over north Coastal Andhra Pradesh & Yanam during 22nd-23rd September; Telangana during 23rd-25th September.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Telangana during 23rd-25th September.

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- Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam during 21st-24th September; Rayalaseema during 21st-23rd September; Telangana during 23rd-25th September.
- **Heavy to very heavy rainfall with isolated extremely heavy rainfall likely over north Coastal Andhra Pradesh on 23<sup>rd</sup> & 24<sup>th</sup> September.**

#### Northwest India:

- **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over East Uttar Pradesh during 25th-26th September.
- **Isolated to Scattered** rainfall accompanied with thunderstorm & lightning likely over rest parts of northwest India.
- Isolated **heavy rainfall** likely over West Uttar Pradesh during 25th-26th September; East Uttar Pradesh during 24th-26th September.

#### Central India:

- **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over West Madhya Pradesh during 25th-26th September; East Madhya Pradesh during 23rd-26th September; Vidarbha during 21st-26th September; Chhattisgarh during 21st-26th September.
- **Isolated to Scattered** rainfall accompanied with thunderstorm & lightning likely over West Madhya Pradesh during 21st-24th September; East Madhya Pradesh during 21st-22nd September.
- Isolated **heavy rainfall** likely over West Madhya Pradesh during 24th-26th September; East Madhya Pradesh on 24th September; Vidarbha on 23rd September and on 26th September; Chhattisgarh during 21st-22nd September and on 26th September with isolated **very heavy rainfall** also likely over East Madhya Pradesh during 25th-26th September; Vidarbha during 24th-25th September; Chhattisgarh during 23rd-25th September.
- **Heavy to very heavy rainfall with isolated extremely heavy rainfall likely over south Chhattisgarh on 24<sup>th</sup> September.**

#### Northeast India:

- **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over Assam & Meghalaya during 23rd-25th September; Nagaland, Manipur, Mizoram & Tripura during 22nd-24th September.
- **Isolated to Scattered** rainfall accompanied with thunderstorm & lightning likely over Arunachal Pradesh during 21st-26th September; Assam & Meghalaya during 21st-22nd September and on 26th September; Nagaland, Manipur, Mizoram & Tripura on 21st September and during 25th-26th September.
- Isolated **heavy rainfall** likely over Arunachal Pradesh during 24th-25th September; Assam & Meghalaya during 23rd-25th September; Nagaland, Manipur, Mizoram & Tripura during 22nd-23rd September.

#### West India:

- **Fairly Widespread to Widespread** rainfall accompanied with thunderstorm & lightning likely over Konkan & Goa during 21st-24th September; Madhya Maharashtra on 22nd September.
- **Isolated to Scattered** rainfall likely over accompanied with thunderstorm & lightning Konkan & Goa during 25th-26th September; Madhya Maharashtra on 21st September and during 23rd-26th September; Gujarat Region and Marathwada during 21st-26th September; Saurashtra & Kutch during 21st-24th September.
- Isolated **heavy rainfall** likely over Konkan & Goa during 22nd-23rd September; Madhya Maharashtra during 21st-23rd September.

#### Wind warning:

- It is very likely to increase reaching 45-55 kmph gusting to 65 kmph over Eastcentral and adjoining northeast Bay of Bengal on 21<sup>st</sup> and becoming 50-60 kmph gusting to 70 kmph over Central Bay of Bengal and 40-50 kmph gusting to 60 kmph adjoining areas of north and south Bay of Bengal on 22<sup>nd</sup> September.
- Increasing further is likely to become 55-65 kmph gusting to 75 kmph over Westcentral and adjoining Northwest Bay of Bengal on 23<sup>rd</sup> September and prevail till 24<sup>th</sup> evening.
- Squally wind with speed reaching 55-65 kmph is likely along & off south Odisha- north Andhra Pradesh coasts

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on 23<sup>rd</sup> and likely to prevail till 24<sup>th</sup> September evening.

- Squally wind with speed reaching 40-50 kmph gusting to 60 kmph is likely along & off West Bengal and south Andhra Pradesh coasts from 23<sup>rd</sup> to 24<sup>th</sup> September.

**Sea condition:**

- Sea condition is very likely to be rough over adjoining Northeast Bay of Bengal on 21<sup>st</sup>, over central Bay of Bengal on 22<sup>nd</sup> and over Westcentral and adjoining northwest Bay of Bengal and along & off north Andhra Pradesh-Odisha-West Bengal coasts till 24<sup>th</sup> September.

**Fishermen warnings:**

- Fishermen are advised not to venture into Andaman Sea from today, 21<sup>st</sup> September.
- Eastcentral and adjoining northeast Bay of Bengal from today, the 21<sup>st</sup> September till 22<sup>nd</sup> September.
- Westcentral & adjoining northwest Bay of Bengal and along & off Andhra Pradesh-Odisha-West Bengal coasts from 22<sup>nd</sup> till 24<sup>th</sup> September.
- The fishermen are advised to return to coasts by 20<sup>th</sup> evening.

#### Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0530 hours IST of today): **at most places** over Assam & Meghalaya, Tamilnadu Puducherry & Karaikal, Gangetic West Bengal, Arunachal Pradesh, Andaman & Nicobar Islands, Lakshadweep, Odisha, Coastal Karnataka, Kerala & Mahe, East Madhya Pradesh, Chhattisgarh, Marathwada and Saurashtra & Kutch; **at many places** over Nagaland, Manipur, Mizoram & Tripura, Jharkhand, Bihar, East Rajasthan, West Rajasthan, East Uttar Pradesh, Rayalaseema, Gujarat Region, North Interior Karnataka, South Interior Karnataka, Telangana, Coastal Andhra Pradesh & Yanam, Madhya Maharashtra and Konkan & Goa; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Tamilnadu Puducherry & Karaikal**: Salem (dist Salem) 7; **Lakshadweep**: Minicoy (dist Lakshadweep) 5; **Odisha**: Gopalpur (dist Ganjam) 3; **Gujarat Region**: Ahmedabad (dist Ahmedabad) 3.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Heavy rain** at isolated places over Tamilnadu Puducherry & Karaikal

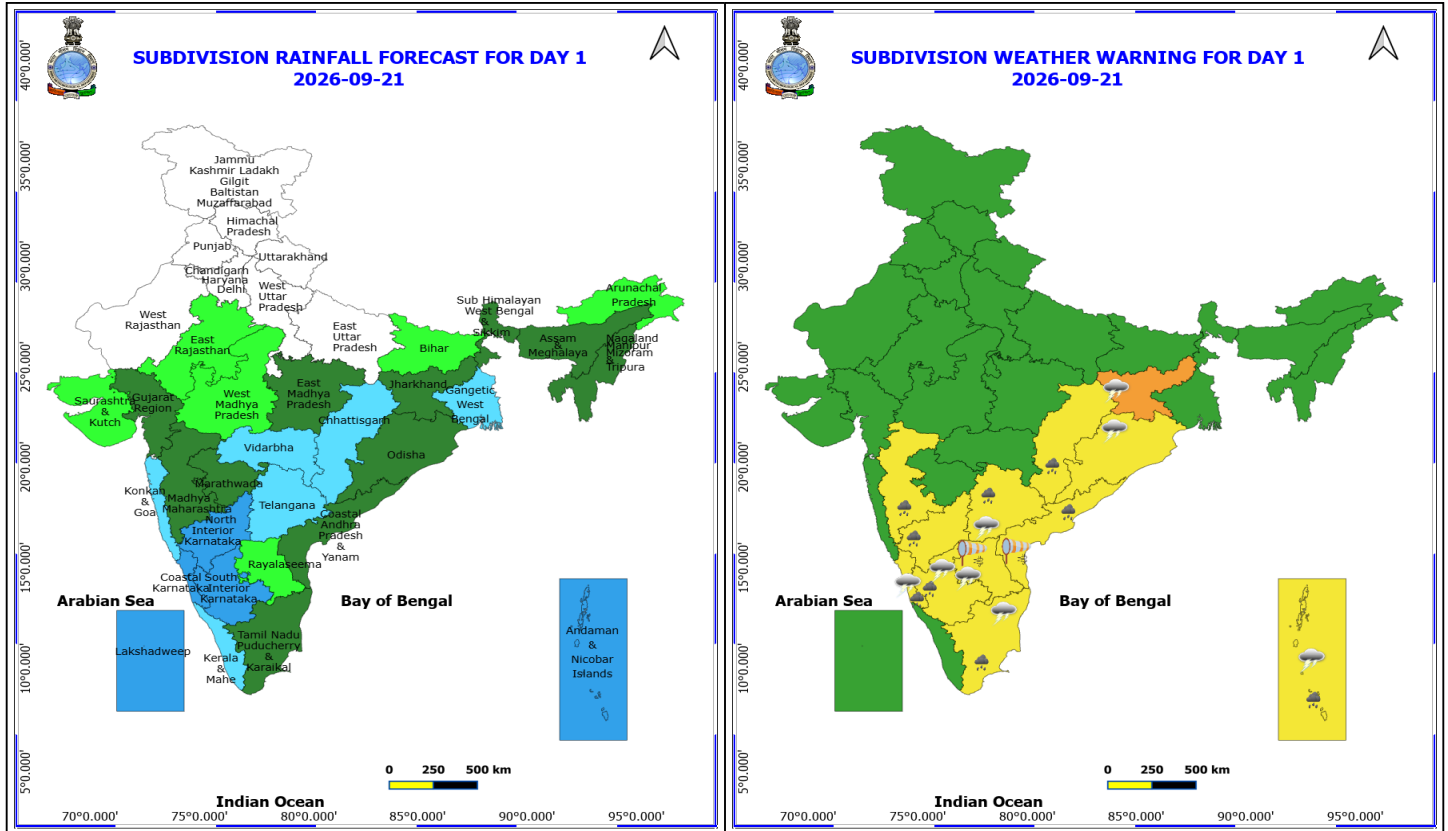
❖ **Minimum Temperature Departures (as on 20-09-2026): markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, Bihar, East Uttar Pradesh, West Uttar Pradesh, West Madhya Pradesh and Madhya Maharashtra. **appreciably above normal(3.1°C to 5.0°C)** at few places over East Madhya Pradesh, Saurashtra & Kutch and Coastal Karnataka; at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Bihar, East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, West Madhya Pradesh, Madhya Maharashtra and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over West Rajasthan; at most places over Arunachal Pradesh; at few places over Bihar, Madhya Maharashtra, Vidarbha, Coastal Karnataka, South Interior Karnataka, Kerala & Mahe and Lakshadweep; at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Odisha, East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Konkan & Goa, Marathwada, Telangana, Tamil Nadu, Puducherry & Karaikal and North Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at many places over Gangetic West Bengal, East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, West Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Marathwada, Telangana, Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka and Lakshadweep; at most places over Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Odisha, Jharkhand, Haryana-Chandigarh-Delhi, Punjab, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Rayalaseema and North Interior Karnataka; at few places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Bihar, East Madhya Pradesh, Madhya Maharashtra, Vidarbha, Coastal Karnataka and Kerala & Mahe; at isolated places over West Rajasthan. **The lowest minimum temperature** of 16.0°C was reported at HALFLONG (ASSAM) over the Plains of India.

❖ **Maximum Temperature Departures (as on 20-09-2026): markedly above normal(> 5.1°C)** at isolated places over Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad and North Interior Karnataka. **appreciably above normal(3.1°C to 5.0°C)** at few places over Arunachal Pradesh, Madhya Maharashtra, Marathwada and Vidarbha; at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, Uttarakhand, Telangana, South Interior Karnataka and Kerala & Mahe. **above normal(1.6°C to 3.0°C)** at most places over Konkan & Goa and Coastal Karnataka; at few places over Sub Himalayan West Bengal & Sikkim, Haryana-Chandigarh-Delhi, Punjab, Himachal Pradesh, West Rajasthan and Chhattisgarh; at isolated places over Jharkhand, Bihar, East Uttar Pradesh, West Uttar Pradesh, West Madhya Pradesh, East Madhya Pradesh, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. **near normal(-1.5°C to 1.5°C)** at many places over Gujarat Region; at most places over East Rajasthan and Lakshadweep; at few places over Andaman & Nicobar Islands, Gangetic West Bengal and Rayalaseema. **The highest maximum temperature** of 40.3°C was reported at JAISALMER (RAJASTHAN).



**Meteorological Analysis (Based on 0530 hours IST)**

- The **line of withdrawal of Southwest Monsoon** continues to pass through 27.0°N/68.0°E, Ramgarh, Mohangarh, Phalodi, Khajuwala and 29.5°N/71.5°E.
- **Conditions are favourable** for further withdrawal of Southwest Monsoon from some more parts of Rajasthan and some parts of Punjab and Saurashtra & Kutch during next 2-3 days.
- The **Low Pressure area** over Eastcentral Bay of Bengal moved west-northwestwards and lay as a **Well-marked Low Pressure** area over Eastcentral & adjoining Westcentral Bay of Bengal at 0530 hrs IST of today, the 21st September, 2026. The associated cyclonic circulation extends upto 7.6 km above mean sea level. It is very likely to move west-northwestwards and intensify into a depression over Westcentral Bay of Bengal during next 24 hrs and into a deep depression over Westcentral & adjoining Northwest Bay of Bengal during subsequent 24 hrs. Continuing to move west-northwestwards it is very likely to reach near north Andhra Pradesh - South Odisha coasts around 23rd September morning.
- The **North-South trough** now runs from cyclonic circulation associated with the **Well-marked Low Pressure** area over Eastcentral & adjoining Westcentral Bay of Bengal across North Bay of Bengal and extends upto 3.1 km above mean seal level.
- The **East-West trough** now runs from the cyclonic circulation associated with the **Well-marked Low Pressure** area over Eastcentral & adjoining Westcentral Bay of Bengal to north Keralam across central Bay of Bengal, south Andhra Pradesh & South Interior Karnataka and extends upto 5.8 km above mean seal level tilting southwards with height.
- The **upper air cyclonic circulation** over Southwest Madhya Pradesh & neighbourhood at 3.1 km above mean sea level persists.
- The **upper air cyclonic circulation** over Eastcentral & adjoining Northeast Arabian Sea between 3.1 & 7.6 km above mean sea level persists.
- The **trough** from South Himachal Pradesh to the cyclonic circulation over Eastcentral & adjoining Northeast Arabian Sea across Haryana, Rajasthan, Gujarat at 5.8 km above mean seal level persists.
- The **upper air cyclonic circulation** over South Coastal Andhra Pradesh & adjoining Westcentral bay of Bengal at 0.9 km above mean sea level persists.



## 21 September (Day 1)

- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Chhattisgarh, Coastal Andhra Pradesh, Karnataka, Madhya Maharashtra, Tamil Nadu Puducherry & Karaikal and Telangana.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Coastal Karnataka, Jharkhand, Odisha, Rayalaseema, South Interior Karnataka, Tamil Nadu Puducherry & Karaikal and Telangana.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Coastal Andhra Pradesh, Gangetic West Bengal and North Interior Karnataka.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Assam & Meghalaya, Chhattisgarh, East Rajasthan, Gujarat State, Kerala & Mahe, Konkan & Goa, Lakshadweep, Madhya Pradesh, Maharashtra and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia coasts adjoining southwest Arabian Sea.
- ❖ **Bay of Bengal:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail over few parts of southwest Bay of Bengal adjoining south Sri Lanka coast.
- ❖ Squally weather with wind speed 45-55 kmph gusting to 65 kmph is likely to prevail over some parts of Andaman Sea, eastcentral and southeast Bay of Bengal.
- ❖ Squally weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off south Myanmar

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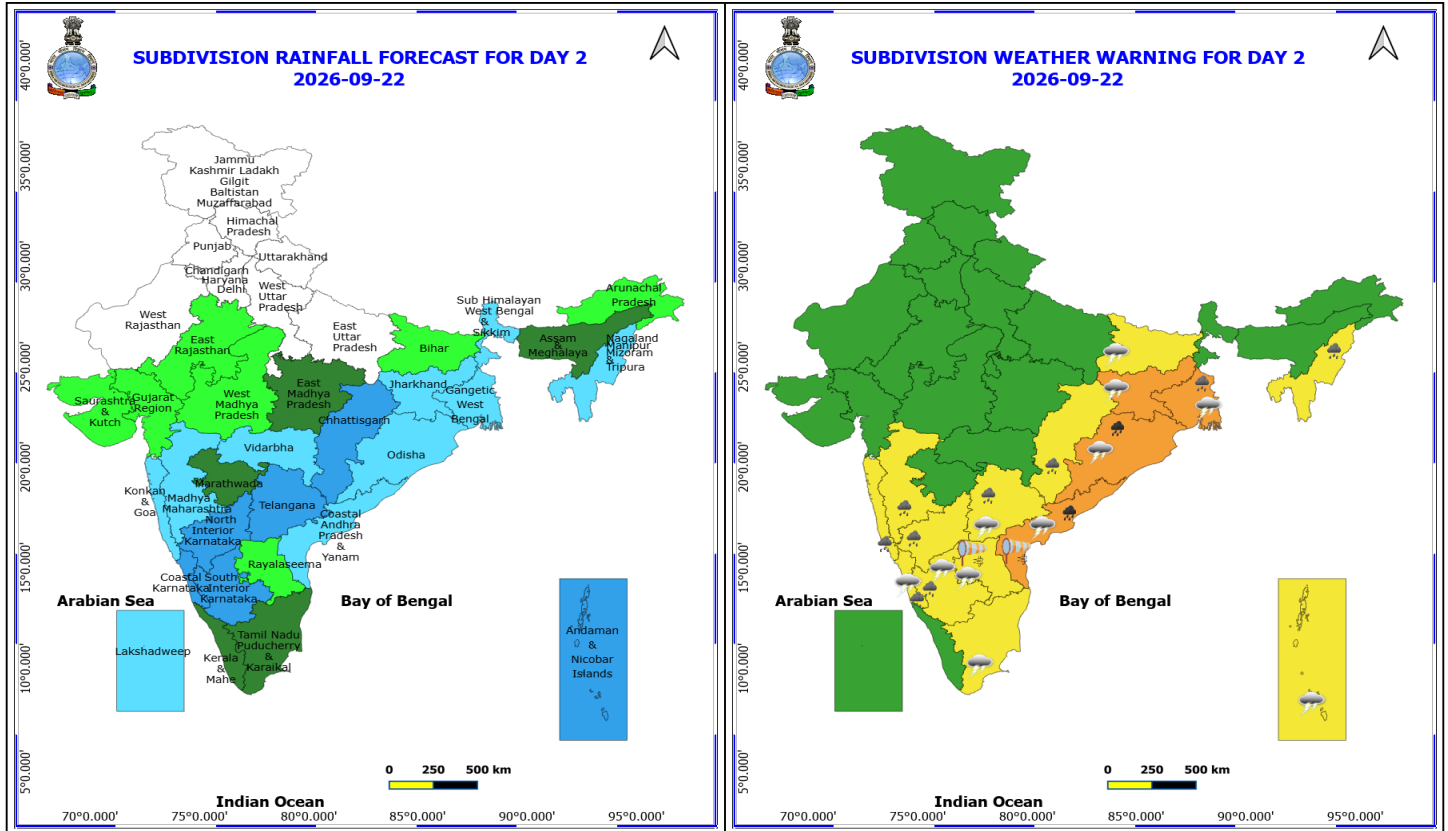
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coasts, over Andaman Sea, some parts of eastcentral, & southeast adjoining northeast Bay of Bengal.



## 22 September (Day 2)

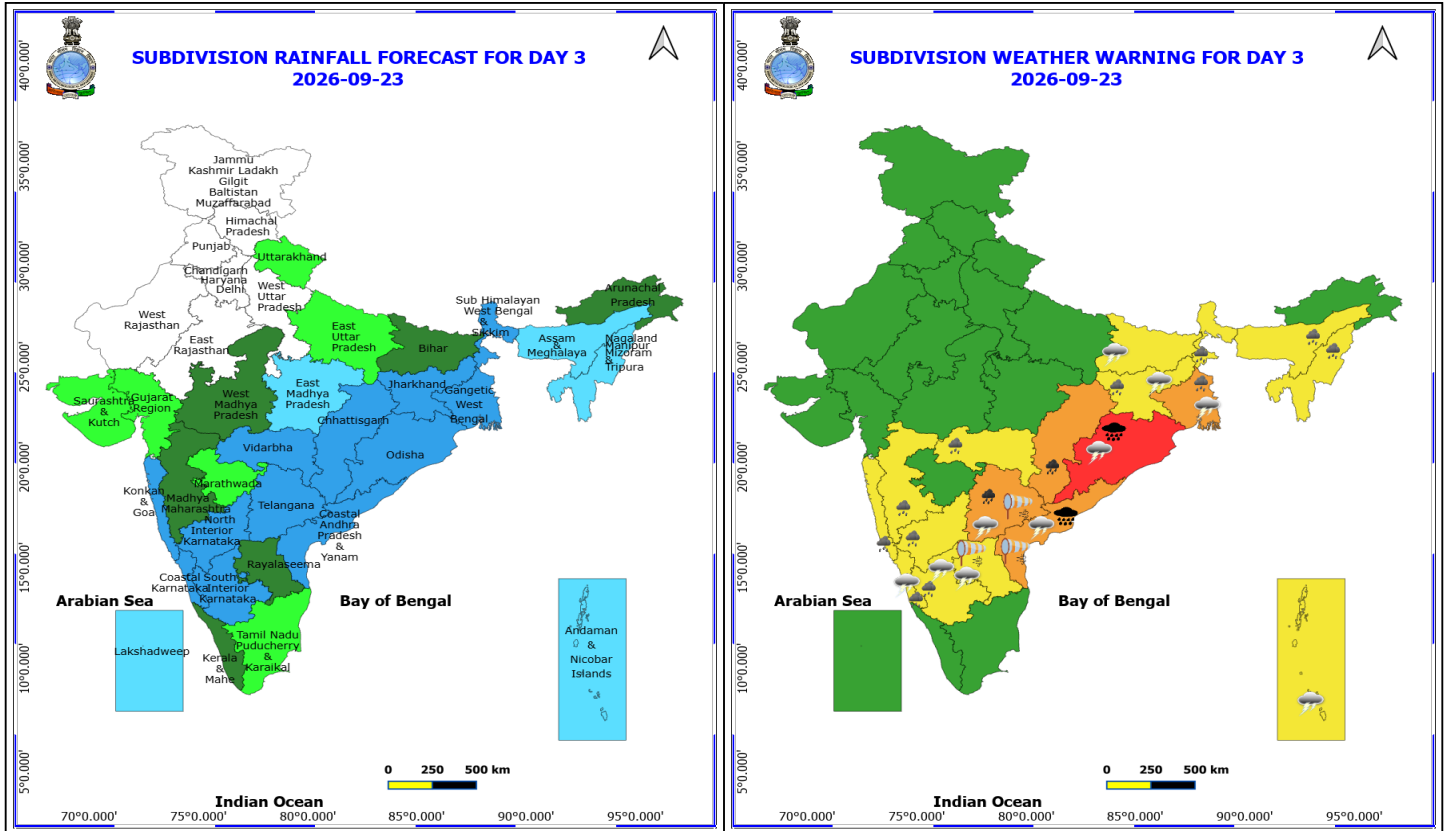
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Coastal Andhra Pradesh and Odisha.
- ❖ **Heavy Rainfall** very likely at isolated places over Chhattisgarh, Gangetic West Bengal, Karnataka, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura and Telangana.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Bihar, Coastal Karnataka, Gangetic West Bengal, Jharkhand, Odisha, South Interior Karnataka, Tamil Nadu Puducherry & Karaikal and Telangana.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over North Interior Karnataka and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Assam & Meghalaya, Chhattisgarh, Konkan & Goa, Madhya Pradesh, Maharashtra and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia coasts adjoining southwest Arabian Sea.
- ❖ **Bay of Bengal:** Squally weather with wind speed 45-55 kmph gusting to 65 kmph is likely to prevail over eastcentral, some parts of westcentral adjoining north Bay of Bengal and some parts of south Bay of Bengal adjoining south Sri Lanka coasts.
- ❖ Squally weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off south Myanmar coasts, over Andaman Sea, some parts of south, central adjoining north Bay of Bengal and gulf of Mannar.

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### 23 September (Day 3)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Coastal Andhra Pradesh and Odisha.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Chhattisgarh and Telangana.
- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Jharkhand, Karnataka, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Vidarbha and West Bengal & Sikkim.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Odisha and Telangana.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Bihar, Coastal Karnataka, Gangetic West Bengal, Jharkhand and South Interior Karnataka.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over North Interior Karnataka and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Chhattisgarh, Konkan & Goa, Madhya Pradesh and Maharashtra.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh and Telangana.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia coasts adjoining southwest Arabian Sea.

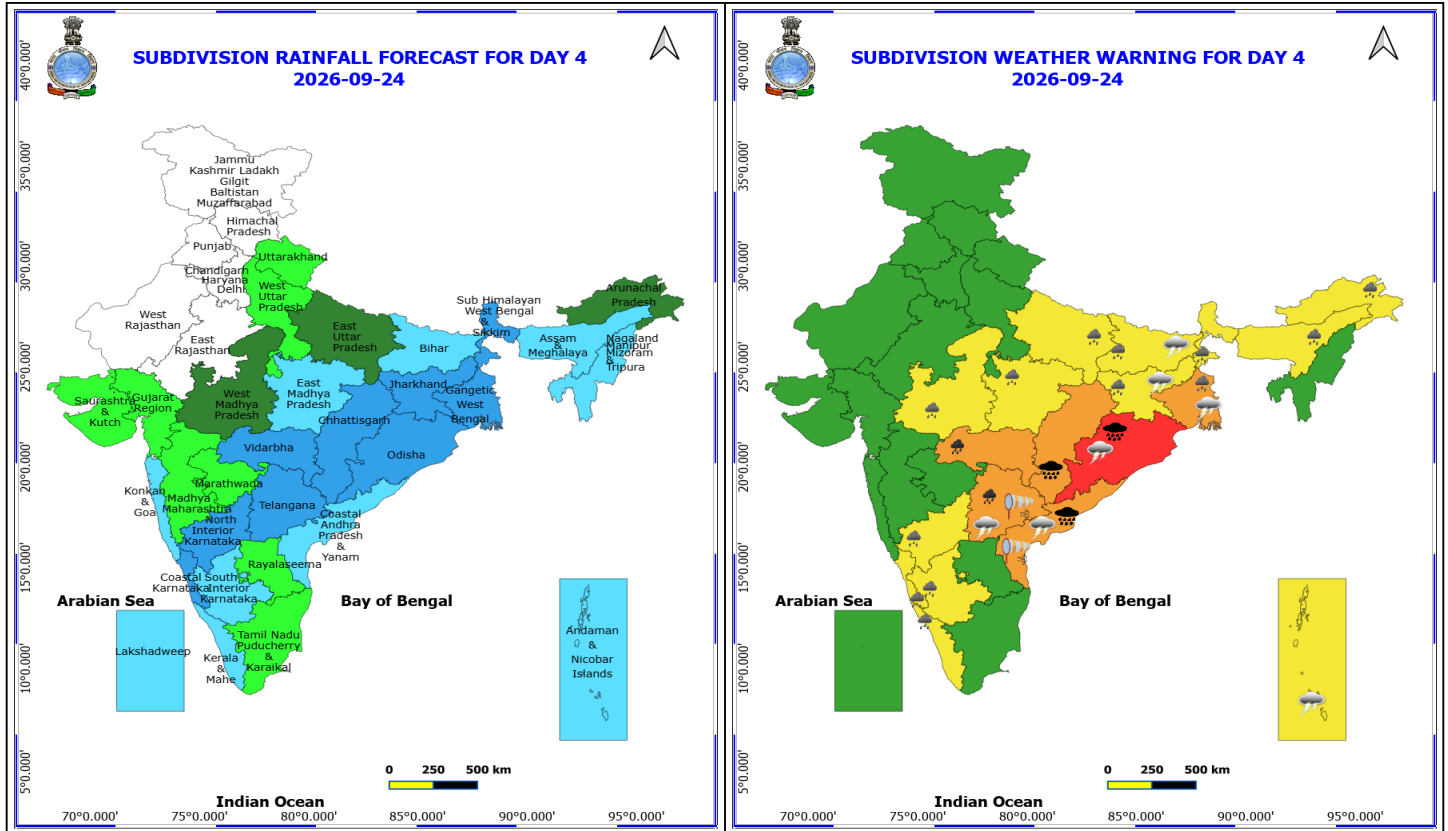
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- ❖ Bay of Bengal: Squally weather with wind speed 50-60 kmph gusting to 70 kmph is likely to prevail over westcentral adjoining eastcentral Bay of Bengal.
- ❖ Squally weather with wind speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off north Andhra Pradesh, south Odisha, Sri Lanka coasts over many parts of Bay of Bengal.
- ❖ Squally weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off Bangladesh, West Bengal, north Odisha, south Andhra Pradesh, Tamil Nadu coasts, Gulf of Mannar, over most parts of Bay of Bengal and over Andaman Sea, along and off Myanmar coasts.



## 24 September (Day 4)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** likely at isolated places over Chhattisgarh, Coastal Andhra Pradesh and Odisha.
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Telangana and Vidarbha.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, East Uttar Pradesh, Jharkhand, Karnataka, Kerala & Mahe, Madhya Pradesh and West Bengal & Sikkim.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Odisha and Telangana.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Coastal Andhra Pradesh, Gangetic West Bengal and Jharkhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Karnataka and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Chhattisgarh, East Uttar Pradesh, Konkan & Goa, Madhya Pradesh and Vidarbha.
- ❖ **Strong Surface Winds** likely at isolated places over Coastal Andhra Pradesh and Telangana.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia coasts adjoining southwest Arabian Sea.
- ❖ **Bay of Bengal:** Squally weather with wind speed 50-60 kmph gusting to 70 kmph is likely to prevail along and off Odisha and north Andhra Pradesh coasts, over many parts of westcentral & some parts northwest Bay of Bengal

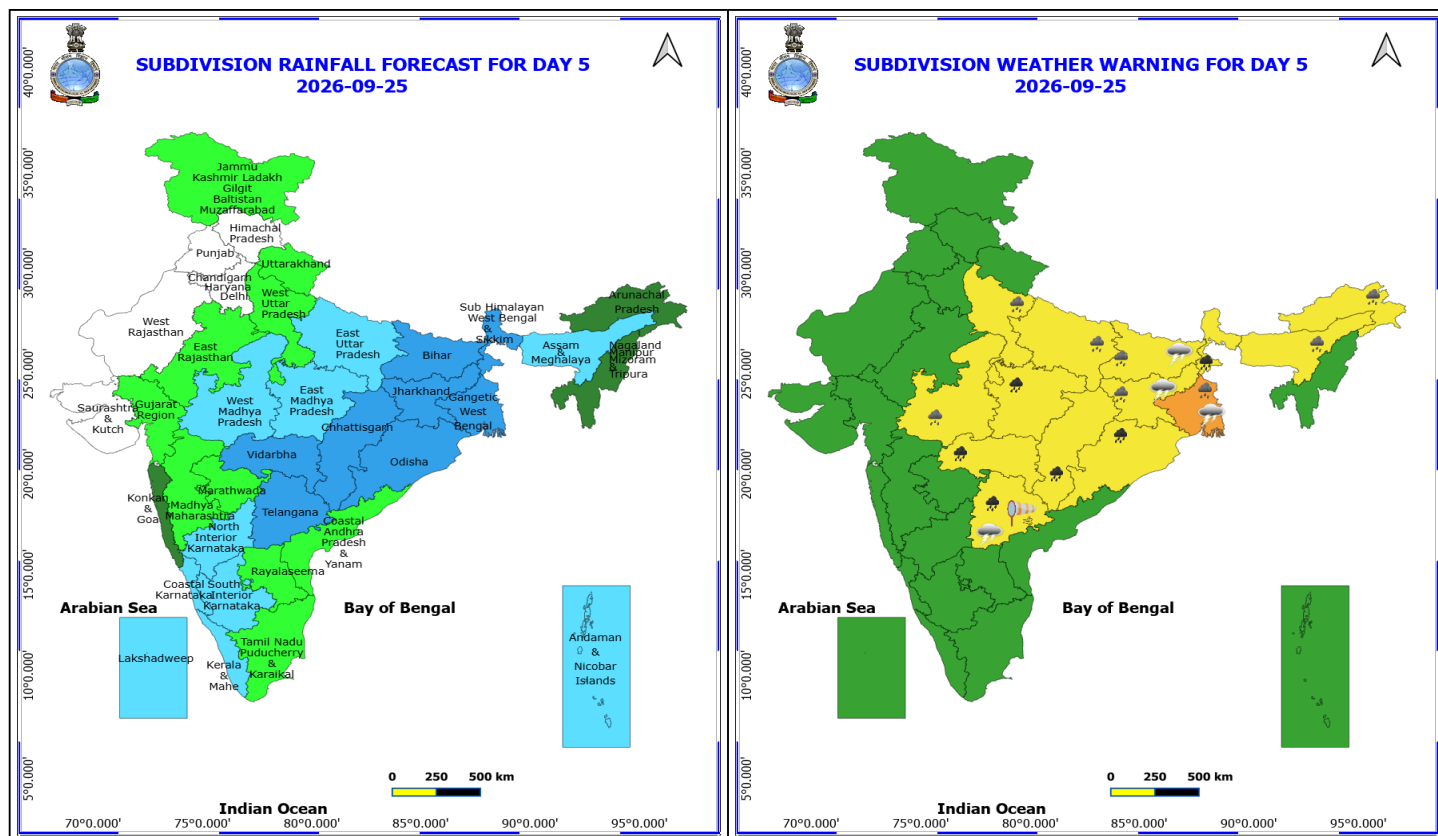
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- ❖ Squally weather with wind speed 45-55 kmph gusting to 65 kmph is likely to prevail over many parts of Bay of Bengal & along and off Sri Lanka coasts.
- ❖ Squally weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off Bangladesh, West Bengal, south Andhra Pradesh, Tamil Nadu coasts, over Gulf of Mannar, Andaman Sea and along & off south Myanmar coast adjoining sea areas and most parts of Bay of Bengal.



## 25 September (Day 5)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Chhattisgarh, East Madhya Pradesh, Odisha, Sub Himalayan West Bengal & Sikkim, Telangana and Vidarbha.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Gangetic West Bengal, Jharkhand, Uttar Pradesh and West Madhya Pradesh.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Telangana.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Bihar, Gangetic West Bengal and Jharkhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Haryana, Chandigarh & Delhi and Uttar Pradesh.
- ❖ **Strong Surface Winds** likely at isolated places over Telangana.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off Somalia coasts adjoining southwest Arabian Sea.
- ❖ **Bay of Bengal:** Squally weather with wind speed 50-60 kmph gusting to 70 kmph is likely to prevail along and off Odisha and north Andhra Pradesh coasts, over some parts of westcentral & northwest Bay of Bengal
- ❖ Squally weather with wind speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off West Bengal,

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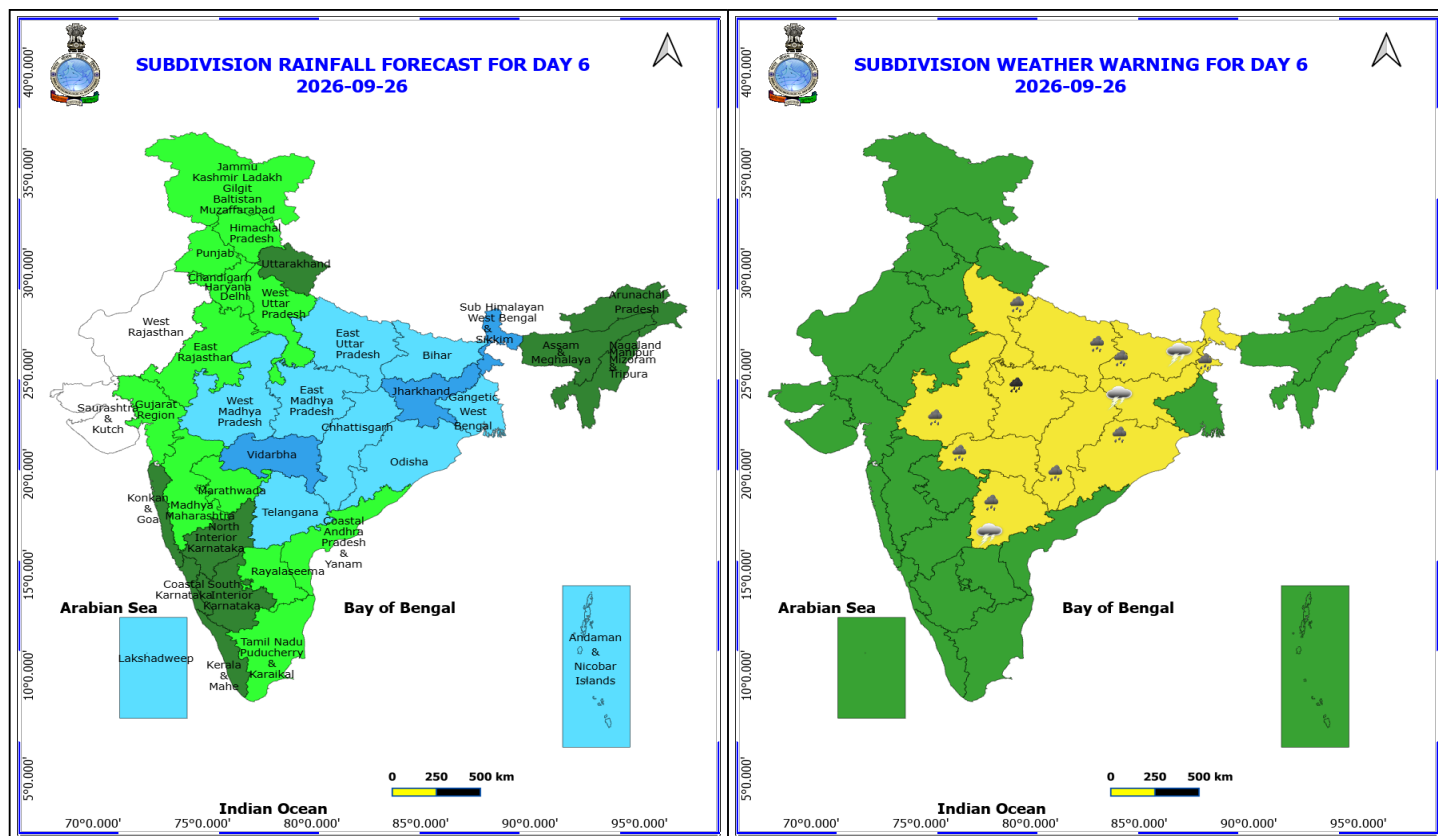
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south Andhra Pradesh, north Tamil Nadu, north Sri Lanka coasts, and over many parts of Bay of Bengal.

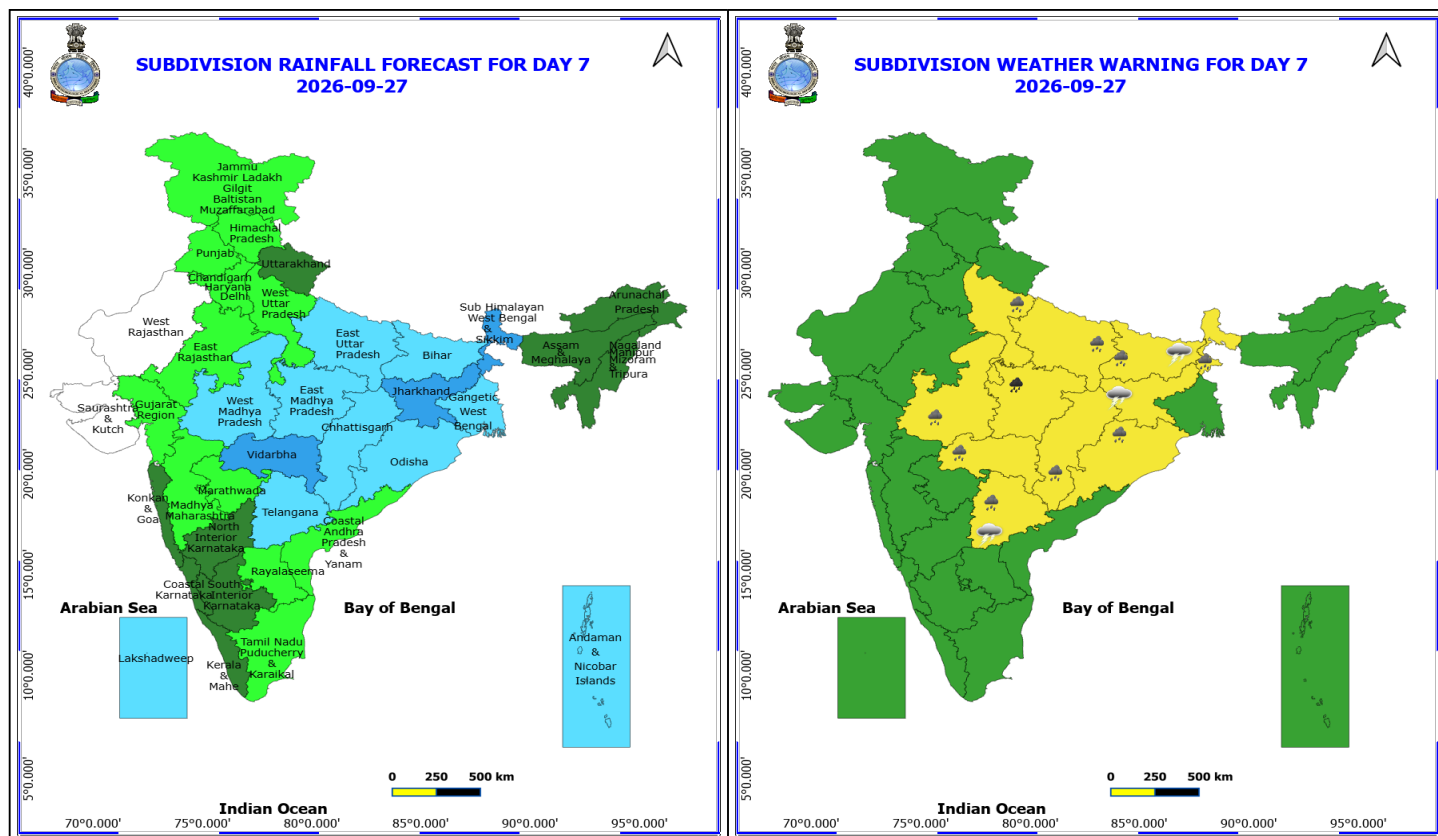
❖ Squally weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over Gulf of Mannar, Andaman Sea and along & off south Myanmar, Bangladesh coasts and many parts of Bay of Bengal.



## 26 September (Day 6)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over East Madhya Pradesh.
- ❖ **Heavy Rainfall** likely at isolated places over Bihar, Chhattisgarh, Odisha, Sub Himalayan West Bengal & Sikkim, Telangana, Uttar Pradesh, Vidarbha and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Bihar, Jharkhand and Telangana.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Haryana, Chandigarh & Delhi and Uttar Pradesh.

**No Fishermen Warning**



## 27 September (Day 7)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over East Madhya Pradesh.
- ❖ **Heavy Rainfall** likely at isolated places over Bihar, Chhattisgarh, Odisha, Sub Himalayan West Bengal & Sikkim, Telangana, Uttar Pradesh, Vidarbha and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Bihar, Jharkhand and Telangana.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Haryana, Chandigarh & Delhi and Uttar Pradesh.

**No Fishermen Warning**



## Table-1

### 7 Days Rainfall Forecast

| S.No. | Subdivision                  | 21-Sep | 22-Sep | 23-Sep | 24-Sep | 25-Sep | 26-Sep | 27-Sep |
|-------|------------------------------|--------|--------|--------|--------|--------|--------|--------|
|       |                              | Day 1  | Day 2  | Day 3  | Day 4  | Day 5  | Day 6  | Day 7  |
| 1     | ANDAMAN & NICOBAR ISLANDS    | WS     | WS     | FWS    | FWS    | FWS    | FWS    | FWS    |
| 2     | ARUNACHAL PRADESH            | ISOL   | ISOL   | SCT    | SCT    | SCT    | SCT    | SCT    |
| 3     | ASSAM & MEHGHALAYA           | SCT    | SCT    | FWS    | FWS    | FWS    | SCT    | SCT    |
| 4     | N. M. M. & T.                | SCT    | FWS    | FWS    | FWS    | SCT    | SCT    | SCT    |
| 5     | S.H. WEST BENGAL & SIKKIM    | SCT    | FWS    | WS     | WS     | WS     | WS     | WS     |
| 6     | GANGETIC WEST BENGAL         | FWS    | FWS    | WS     | WS     | WS     | FWS    | FWS    |
| 7     | ODISHA                       | SCT    | FWS    | WS     | WS     | WS     | FWS    | FWS    |
| 8     | JHARKHAND                    | SCT    | FWS    | WS     | WS     | WS     | WS     | WS     |
| 9     | BIHAR                        | ISOL   | ISOL   | SCT    | FWS    | WS     | FWS    | FWS    |
| 10    | EAST UTTAR PRADESH           | DRY    | DRY    | ISOL   | SCT    | FWS    | FWS    | FWS    |
| 11    | WEST UTTAR PRADESH           | DRY    | DRY    | DRY    | ISOL   | ISOL   | ISOL   | ISOL   |
| 12    | UTTARAKHAND                  | DRY    | DRY    | ISOL   | ISOL   | ISOL   | SCT    | SCT    |
| 13    | HARYANA, CHD & DELHI         | DRY    | DRY    | DRY    | DRY    | DRY    | ISOL   | ISOL   |
| 14    | PUNJAB                       | DRY    | DRY    | DRY    | DRY    | DRY    | ISOL   | ISOL   |
| 15    | HIMACHAL PRADESH             | DRY    | DRY    | DRY    | DRY    | DRY    | ISOL   | ISOL   |
| 16    | JAMMU AND KASHMIR AND LADAKH | DRY    | DRY    | DRY    | DRY    | ISOL   | ISOL   | ISOL   |
| 17    | WEST RAJASTHAN               | DRY    | DRY    | DRY    | DRY    | DRY    | DRY    | DRY    |
| 18    | EAST RAJASTHAN               | ISOL   | ISOL   | DRY    | DRY    | ISOL   | ISOL   | ISOL   |
| 19    | WEST MADHYA PRADESH          | ISOL   | ISOL   | SCT    | SCT    | FWS    | FWS    | FWS    |
| 20    | EAST MADHYA PRADESH          | SCT    | SCT    | FWS    | FWS    | FWS    | FWS    | FWS    |
| 21    | GUJRAT REGION                | SCT    | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   |
| 22    | SAURASHTRA & KUTCH           | ISOL   | ISOL   | ISOL   | ISOL   | DRY    | DRY    | DRY    |
| 23    | KONKAN & GOA                 | FWS    | FWS    | WS     | FWS    | SCT    | SCT    | SCT    |
| 24    | MADHYA MAHARASHTRA           | SCT    | FWS    | SCT    | ISOL   | ISOL   | ISOL   | ISOL   |
| 25    | MARATHWADA                   | SCT    | SCT    | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   |
| 26    | VIDARBHA                     | FWS    | FWS    | WS     | WS     | WS     | WS     | WS     |
| 27    | CHATTISGARH                  | FWS    | WS     | WS     | WS     | WS     | FWS    | FWS    |
| 28    | COASTAL ANDHRA PRADESH       | SCT    | FWS    | WS     | FWS    | ISOL   | ISOL   | ISOL   |
| 29    | TELANGANA                    | FWS    | WS     | WS     | WS     | WS     | FWS    | FWS    |
| 30    | RAYALASEEMA                  | ISOL   | ISOL   | SCT    | ISOL   | ISOL   | ISOL   | ISOL   |
| 31    | TAMILNADU & PUDUCHERRY       | SCT    | SCT    | ISOL   | ISOL   | ISOL   | ISOL   | ISOL   |
| 32    | COSTAL KARNATAKA             | WS     | WS     | WS     | WS     | FWS    | SCT    | SCT    |
| 33    | NORTH INTERIOR KARNATAKA     | WS     | WS     | WS     | WS     | FWS    | SCT    | SCT    |
| 34    | SOUTH INTERIOR KARNATAKA     | WS     | WS     | WS     | FWS    | FWS    | SCT    | SCT    |
| 35    | KERALA                       | FWS    | SCT    | SCT    | FWS    | FWS    | SCT    | SCT    |
| 36    | LAKSHDWEAP                   | WS     | FWS    | FWS    | FWS    | FWS    | FWS    | FWS    |

| Legend | Category                      | %Stations |
|--------|-------------------------------|-----------|
| WS     | Widespread/Most Places        | 76-100    |
| FWS    | Fairly Widespread/Many Places | 51-75     |
| SCT    | Scattered/ A Few Places       | 26-50     |
| ISOL   | Isolated Places               | 1-25      |
| DRY    | No Rain                       | 0         |

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Fig. 1: Maximum Temperatures Dated 2026-09-20

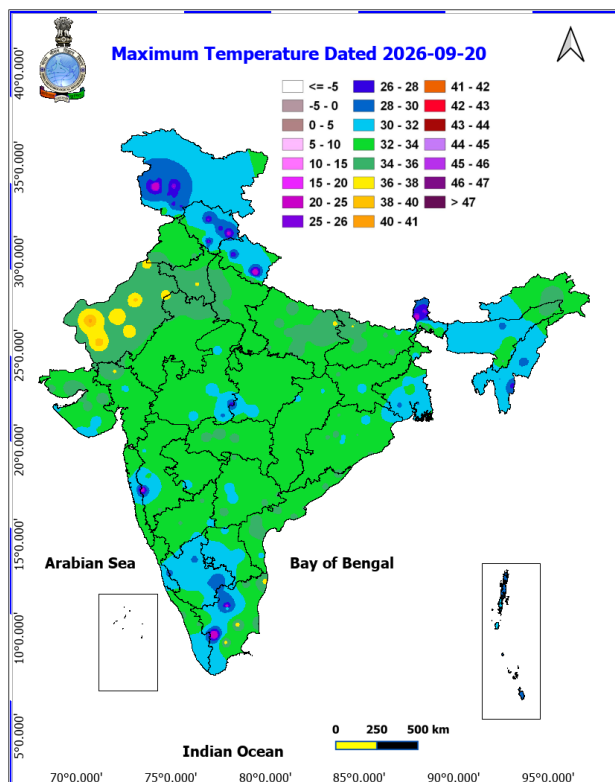


Fig. 2: Departure of Maximum Temp. Dated 2026-09-20

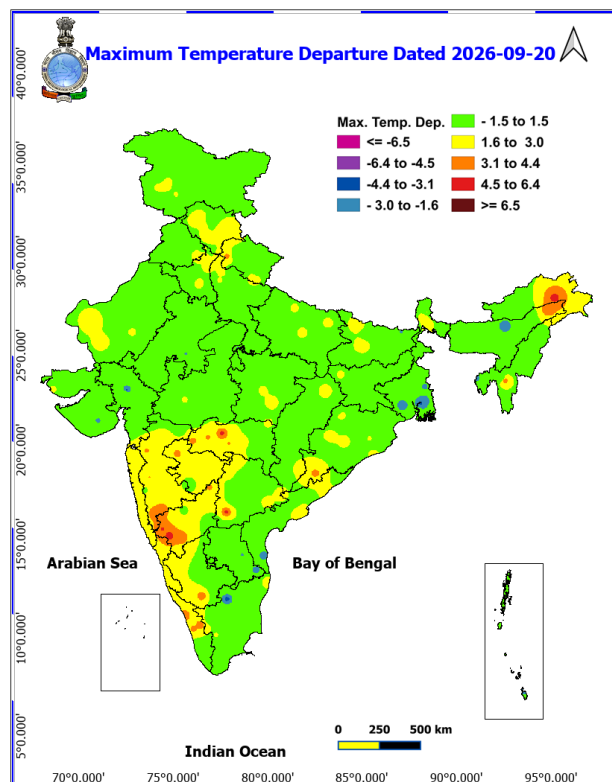


Fig. 3: Minimum Temperatures Dated 2026-09-20

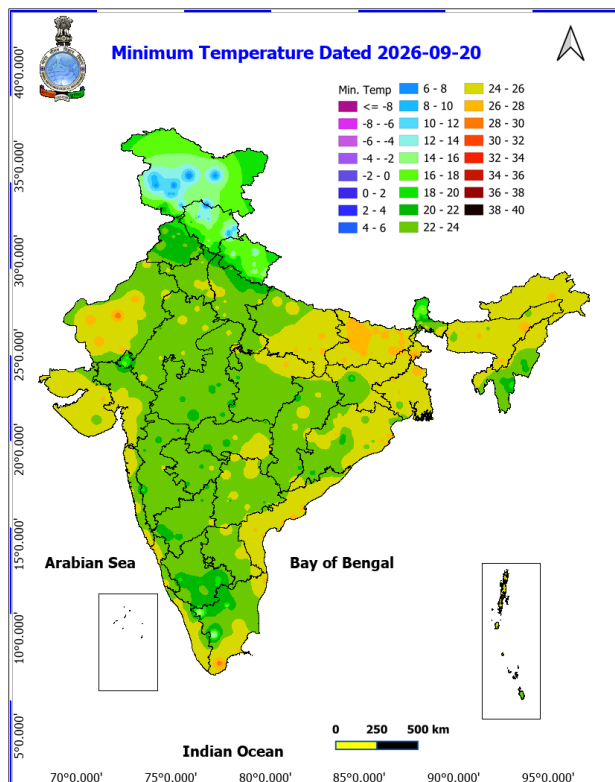
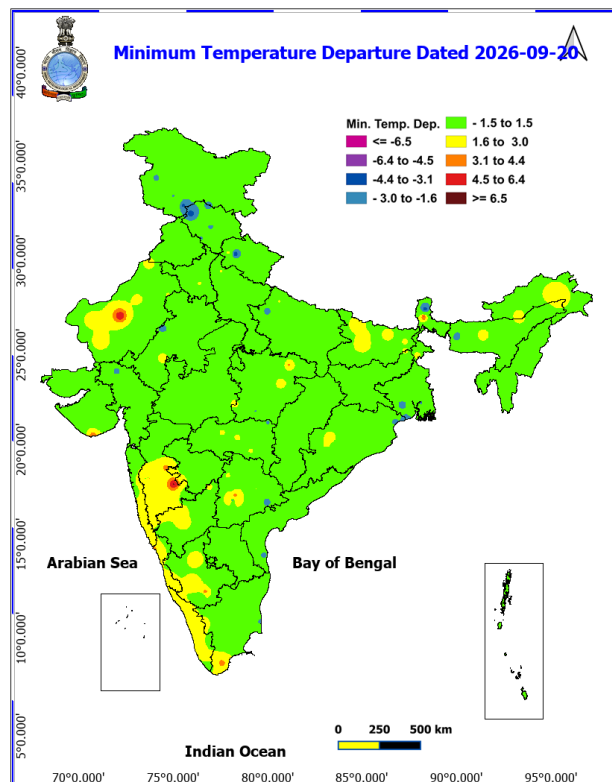
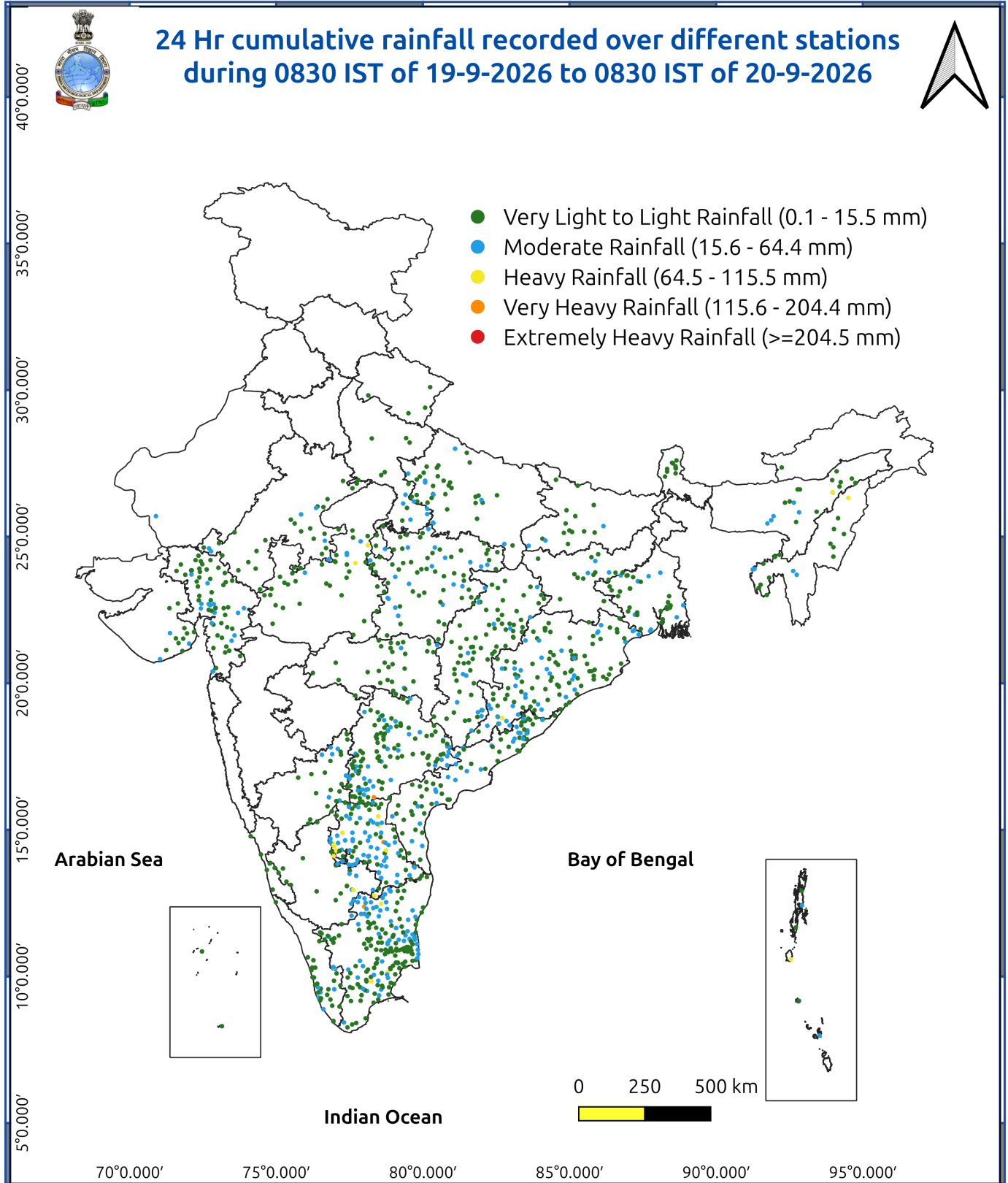


Fig. 4: Departure of Minimum Temp. Dated 2026-09-20





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## Impact and Actions

### Impact Expected and Action Suggested due to very heavy rainfall:

- Isolated extremely rainfall likely over south Odisha and north Coastal Andhra Pradesh on 23rd & 24th and over south Chhattisgarh on 24th September.
- Isolated very heavy rainfall also likely over north Coastal Andhra Pradesh during 22nd -24th; south Odisha during 22nd -25th; Chhattisgarh and Telangana during 23rd -25th; Vidarbha on 24th & 25th September.
- Moderate to severe lightning activity likely over Jharkhand on 21st & 22<sup>nd</sup> and Gangetic West Bengal during 22<sup>nd</sup> -25<sup>th</sup> September.

### Impact expected:

- Breaking of tree branches, uprooting of small trees like banana, papaya, drum sticks. Strong wind and rain may damage plantation, horticulture and standing crops.
- Partial damage to vulnerable structures due to strong winds and rain.
- Minor damage to kutcha houses/walls, huts and roads due to heavy rain.
- Loose objects may fly.
- Small ships, trawlers and boats may be affected.
- Road and rail traffic may be affected due to heavy rain and squally winds.
- There could be localised landslides, mudslides, landslips, water logging, inundation and flooding over low lying areas.
- Occasional reduction in visibility due to heavy rainfall.
- Helicopter services may get affected.

### Action suggested:

- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- Take safe shelters; do not take shelter under trees, as there could be lightning.
- In case of expected lightning, unplug electrical/ electronic appliances, immediately, get out of water bodies and keep away from all the objects that conduct electricity.
- Tourism and recreational activities to be regulated.
- Onshore and offshore activities to be judiciously regulated.
- Helicopter services to be regulated.

## Agromet advisories for various parts of the country

### Agromet advisories for likely impact of Heavy Rainfall:

- In **Andaman & Nicobar**, ensure proper drainage in banana fields, particularly mature and fruit-bearing plants, and provide support to banana and other tall crops.
- In **Tamil Nadu**, drain excess water from rice, sorghum, maize, black gram and vegetable fields, keep harvested paddy in safe places, undertake propping of sugarcane and provide support to banana, papaya and moringa to prevent lodging.
- In **Kerala**, ensure proper drainage in rice, spice plantations, vegetables and orchards to remove excess water, and provide mechanical support to banana plants and staking to vegetable pandals to prevent lodging.
- In **Karnataka**, maintain adequate drainage in standing crop fields to prevent water stagnation, secure vulnerable horticultural and vegetable crops, and protect harvested produce in safe, covered storage. Postpone irrigation, fertilizer application and intercultural operations in wet fields
- In **Coastal Andhra Pradesh**, clear drainage channels and drain excess water from rice, unharvested maize, ragi, groundnut, red gram, sugarcane, vegetables and orchards; provide strong bamboo support to fruit-bearing banana plants and undertake propping in sugarcane.
- In **Rayalaseema**, provide adequate drainage in standing crop fields, particularly rice, pulses, groundnut and

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vegetables, and postpone irrigation, fertilizer and plant-protection operations until rainfall ceases and field conditions become suitable.

- In **Telangana**, ensure proper drainage in rice, cotton, green gram, black gram, red gram, vegetables and orchards to avoid water stagnation, and undertake fertilizer and plant-protection operations only during clear weather.
- In **Odisha**, maintain continuous drainage in rice, maize, millets, ginger, turmeric, vegetables, pulses and orchards, clear drainage channels in low-lying fields, and provide staking or mechanical support to vegetables and standing crops. Keep vegetable nurseries protected and postpone field operations in saturated fields until soil conditions become suitable.
- In **Chhattisgarh**, ensure effective drainage in rice, maize, soybean, pigeon pea, groundnut, minor millets, pulses and vegetable fields to prevent waterlogging, clear drainage channels in low-lying areas, and provide support to creeper vegetables.
- In **Madhya Maharashtra**, maintain drainage in rice, soybean, green gram, black gram, finger millet and vegetable fields, particularly where rainfall has accumulated, and keep harvested produce in safe, covered places. Resume intercultural and plant-protection operations only when the soil is workable and a sufficient rain-free window is available.

#### Agromet advisories for likely impact of Thunderstorm / Gusty Winds

- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.
- Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

#### Advisories for likely impact of Heavy Rainfall for Livestock / Poultry / Fisheries

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

#### Legends & abbreviations:

##### Region wise classification of meteorological Sub-Divisions:

**Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana Chandigarh & Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.

**Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.

**East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.

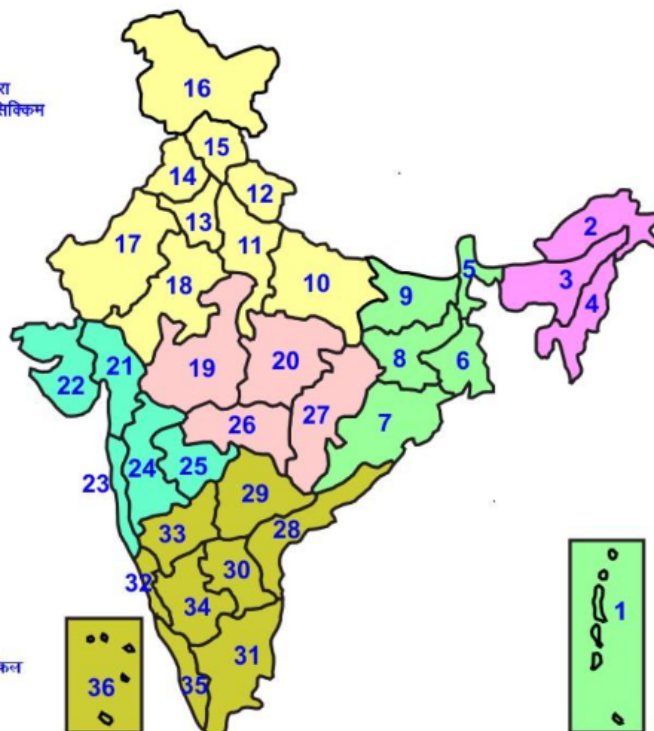
**Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

**West India:** Gujarat Region, Saurashtra & Kutch, Coastal Maharashtra (Konkan) & Goa, Madhya Maharashtra and Marathwada.

**South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

## LEGENDS

- 1 अंडमान और निकोबार द्वीप समुह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मीजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम बंगाल
- 7 ओडिसा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडीगढ़ एवं दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर एवं लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सौराष्ट्र एवं कच्छ
- 23 कोंकण एवं गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठावाड़ा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एवं कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एवं माहे
- 36 लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathawada
26. Vidharbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. Lakshadweep

## SPATIAL DISTRIBUTION (% of Stations reporting)

| % Stations | Category                             | % Stations | Category                      |
|------------|--------------------------------------|------------|-------------------------------|
| 76-100     | Widespread (WS/Most Places)          | 26-50      | Scattered (SCT/ A Few Places) |
| 51-75      | Fairly Widespread (FWS/ Many Places) | 1-25       | Isolated (ISOL)               |

### Subdivision Colour

- NO WARNING
- WATCH (BE UPDATED)
- 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                          |

-  Heavy Rain

 Thunderstorm & Lightning

 Strong surface winds

 Cold Wave

 Hot & Humid

 Very Heavy Rain

 Hailstorm

 Heat Wave

 Cold Day

 Extremely Heavy Rain

 Dust Storm

 Hot Day

 Ground Frost

 Heavy Snow

 Dust Raising Winds

 Warm Night

 Fog

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## LEGENDS

### WARNING

|                               |
|-------------------------------|
| <b>WARNING (TAKE ACTION)</b>  |
| <b>ALERT (BE PREPARED)</b>    |
| <b>WATCH (BE UPDATED)</b>     |
| <b>NO WARNING (NO ACTION)</b> |

### Probabilistic Forecast

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



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



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



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



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



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



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



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



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



Ice deposits on ground

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



A strong wind that rises suddenly, lasts for at least 1 minute.

Moderate: Wind speed 52-61 kmph  
Severe: Wind speed 62-87 kmph  
Very Severe: Wind speed  $> 87$  kmph



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



Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)

Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)  
Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64-89 knots)  
Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90-119 knots)  
Super Cyclone Storm: Wind speed  $> 220$  kmph ( $> 119$  knots)

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