

2026-06-13

Time of Issue: 13:40:00 hours IST  
(Mid-Day)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

#### Advance of Southwest Monsoon 2026:

- The **Northern Limit of Monsoon** continues to pass through 18°N/60°E, 18°N/65°E, 18°N/70°E, Harnai, Solapur, Hyderabad, Bhadradi Kothagudem, Kalingapatnam, Paradeep, Baripada, Purulia, Dhanbad, Muzaffarpur and 28.3°N/83°E as on 13<sup>th</sup> June, 2026.
- **Conditions are favourable** for further advance of southwest monsoon into remaining parts of Karnataka, Telangana, Andhra Pradesh, some more parts of Odisha and some parts of South Chhattisgarh during next 2-3 days.

#### Weather Forecast and Warnings:

##### Northwest India:

- **Isolated to Scattered** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand during 13th-19th June; Himachal Pradesh during 14th-19th June.
- **Isolated to Scattered** rainfall likely over East Rajasthan, Haryana Chandigarh & Delhi, Punjab and West Uttar Pradesh during 13th-19th June; East Uttar Pradesh on 13th June and during 18th-19th June; West Rajasthan during 13th-17th June and on 19th June.
- **Fairly Widespread to Widespread** rainfall likely over Himachal Pradesh on 13th June.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Himachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 13th-14th June; Uttarakhand during 13th-15th June.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Haryana Chandigarh & Delhi, Punjab and West Uttar Pradesh on 13th June; West Rajasthan during 15th-17th June and on 19th June; East Rajasthan during 16th-19th June.
- **Isolated heavy rainfall** likely over East Uttar Pradesh on 13th June.
- **Thundersquall (wind speed reaching 60-70 kmph gusting to 80 kmph)** likely over West Rajasthan on 13th June; East Rajasthan during 13th-14th June.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over East Uttar Pradesh on 13th June; West Rajasthan on 14th June; East Rajasthan on 15th June.
- **Duststorm** activity likely over West Rajasthan on 13th June.

##### Central India:

- **Isolated to Scattered** rainfall likely over Chhattisgarh, East Madhya Pradesh, Vidarbha and West Madhya Pradesh during 13th-19th June.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over East Madhya Pradesh and West Madhya Pradesh during 14th-16th June; Chhattisgarh and Vidarbha during 13th-17th June.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over East Madhya Pradesh and West Madhya Pradesh on 13th June.

##### East India:

- **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands and Sub-Himalayan West Bengal & Sikkim during 13th-19th June; Gangetic West Bengal during 17th-19th June; Odisha on 13th June.
- **Isolated to Scattered** rainfall likely over Gangetic West Bengal during 13th-16th June; Bihar and Jharkhand during 13th-19th June; Odisha during 14th-19th June.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Andaman & Nicobar Islands during 16th-19th June; Gangetic West Bengal, Jharkhand and Sub-Himalayan West Bengal & Sikkim during 13th-19th June; Bihar during 14th-15th June; Odisha during 15th-17th

\*Red color warning does not mean "Red Alert" Red color 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)

June, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Bihar during 17th-18th June.

- Isolated **heavy rainfall** likely over Andaman & Nicobar Islands during 14th-15th June; Sub-Himalayan West Bengal & Sikkim during 13th-14th June and during 17th-18th June; Bihar on 13th June; Odisha during 13th-14th June with isolated **very heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim during 15th-16th June.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Andaman & Nicobar Islands during 13th-15th June; Bihar on 13th June, on 16th June and on 19th June; Odisha during 13th-14th June

#### Northeast India:

- **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 13th-19th June.
- Isolated **thunderstorm & lightning** likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 13th-17th June.
- Isolated **heavy rainfall** likely over Arunachal Pradesh during 15th-16th June; Assam & Meghalaya during 14th-16th June; Nagaland, Manipur, Mizoram & Tripura during 13th-15th June with isolated **very heavy rainfall** also likely over Arunachal Pradesh during 17th-19th June; Assam & Meghalaya on 13th June and during 17th-19th June.

#### West India:

- **Isolated to Scattered** rainfall likely over Gujarat Region, Konkan & Goa, Madhya Maharashtra and Marathawada during 13th-19th June; Saurashtra & Kutch on 13th June and during 16th-19th June.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Konkan & Goa on 13th June; Madhya Maharashtra and Marathawada during 13th-14th June.
- **South Peninsular India:**
- **Isolated to Scattered** rainfall likely over North Interior Karnataka, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Telangana during 13th-19th June; Lakshadweep during 17th-18th June; South Interior Karnataka during 14th-17th June; Coastal Andhra Pradesh & Yanam during 14th-19th June.
- **Fairly Widespread to Widespread** rainfall likely over Coastal Karnataka and Kerala & Mahe during 13th-19th June; Lakshadweep during 13th-16th June and on 19th June; South Interior Karnataka on 13th June and during 18th-19th June; Coastal Andhra Pradesh & Yanam on 13th June.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 13th-15th June; Kerala & Mahe and Lakshadweep on 13th June; Coastal Andhra Pradesh & Yanam, Rayalaseema and Telangana during 13th-17th June, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Karnataka on 13th June; North Interior Karnataka during 13th-14th June; South Interior Karnataka during 13th-16th June.
- Isolated **heavy rainfall** likely over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal during 13th-14th June; Coastal Andhra Pradesh & Yanam, Coastal Karnataka, South Interior Karnataka and Telangana on 13th June.
- Strong Surface Winds likely over Coastal Karnataka, Kerala & Mahe and Lakshadweep on 13th June.

#### Forecast of maximum/day temperatures:

- Gradual fall in maximum temperatures likely over Northwest India by 2-4°C till 13<sup>th</sup> and thereafter gradual rise by 3-5°C during 14<sup>th</sup> -18<sup>th</sup> June.
- No significant change in maximum temperatures likely over the rest parts of country till 18<sup>th</sup> June 2026.
- **Heat Wave, Hot & Humid weather conditions warning:**
- **Heat wave** conditions very likely in isolated pockets over Madhya Maharashtra and Marathawada during 13th-14th June; Vidarbha during 13th-15th June.
- **Hot and humid** weather conditions likely to prevail over Odisha during 13th-14th June; Konkan & Goa during 13th-16th June; Coastal Andhra Pradesh & Yanam during 13th-15th June.

**\*Red color warning does not mean "Red Alert" Red color 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)

### Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places** over Andaman & Nicobar Islands, Himachal Pradesh, Coastal Karnataka, Kerala & Mahe and Lakshadweep; **at many places** over Uttarakhand, Haryana-Chandigarh-Delhi, Punjab, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Telangana and Rayalaseema; **at a few places** over Sub Himalayan West Bengal & Sikkim, West Uttar Pradesh, West Rajasthan, East Rajasthan, East Madhya Pradesh, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and South Interior Karnataka; **at isolated places** over Gangetic West Bengal, Jharkhand, Bihar, East Uttar Pradesh, West Madhya Pradesh, Konkan & Goa, Madhya Maharashtra and Marathwada; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **South Interior Karnataka:** Thondebhavi (dist Chikaballapura) 14; Gowribidanur (dist Chikaballapura) 10; Bengaluru Kial (dist Bengaluru Urban) 7; **Coastal Andhra Pradesh & Yanam:** Atchampet (dist Palnadu) 9; Narsapuram (dist West Godavari) 7; **Telangana:** Gambhiraopet (dist Rajanna Sircilla), Gandeed (dist Mahabubnagar) 9 Each; Achampeta (dist Nagarkurnool), Velagatoor (dist Jagtial) 8 Each; Bomraspeta (dist Vikarabad) 7; **Kerala & Mahe:** Manjeri (dist Malappuram) 9; **Rayalaseema:** Brahmasamudram (dist Anantapuramu) 8; **Tamil Nadu, Puducherry & Karaikal:** Nalumukku (dist Tirunelveli) 7; **East Uttar Pradesh:** Ankinghat (dist Kanpur City) 7; **Himachal Pradesh:** Guler (dist Kangra) 7.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Heavy to very heavy rain** at isolated places over Assam & South Interior Karnataka. **Heavy rain** at isolated places over East Uttar Pradesh, Himachal Pradesh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

- **Hailstorm** occurred at isolated places over East Rajasthan.
- **Heatwave** conditions prevailed at a few places over Vidarbha.

❖ **Minimum Temperature Departures (as on 13-06-2026):** **markedly above normal(> 5.1°C)** at isolated places over Odisha, Bihar, Himachal Pradesh, West Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region and Saurashtra & Kutch. **appreciably above normal(3.1°C to 5.0°C)** at many places over Konkan & Goa; at few places over Sub Himalayan West Bengal & Sikkim, West Madhya Pradesh and Coastal Karnataka; at isolated places over Andaman & Nicobar Islands, Gangetic West Bengal, Odisha, East Rajasthan, East Madhya Pradesh, Madhya Maharashtra and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over Gujarat Region, Madhya Maharashtra and Marathwada; at most places over Lakshadweep; at few places over Coastal Karnataka, North Interior Karnataka and South Interior Karnataka; at isolated places over Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Odisha, Jharkhand, Bihar, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Saurashtra & Kutch, Vidarbha, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. **near normal(-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, Sub Himalayan West Bengal & Sikkim, Odisha, Bihar, East Uttar Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, North Interior Karnataka and South Interior Karnataka; at most places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Jharkhand, Chhattisgarh, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe; at few places over East Rajasthan, Gujarat Region, Vidarbha, Telangana, Rayalaseema and Coastal Karnataka; at isolated places over West Uttar Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, Himachal Pradesh, West Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Konkan & Goa, Madhya Maharashtra and Marathwada. **The lowest minimum temperature** of 19.0°C was reported at HARDOI (UTTAR PRADESH), NAJIBABAD (UTTAR PRADESH) and NARNAUL (HARYANA) over the Plains of India.

❖ **Maximum Temperature Departures (as on 12-06-2026):** **markedly above normal(> 5.1°C)** at most places over Arunachal Pradesh; at few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and West Rajasthan; at isolated places over Assam & Meghalaya, East Rajasthan, East Madhya Pradesh, Chhattisgarh, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. **appreciably above normal(3.1°C to 5.0°C)** at few places over Gujarat Region, Konkan & Goa and Vidarbha; at isolated places over Odisha, West Uttar Pradesh, Himachal Pradesh, West Madhya Pradesh, Saurashtra & Kutch, Madhya Maharashtra and Telangana. **above normal(1.6°C to 3.0°C)** at few places over Sub Himalayan West Bengal & Sikkim; at isolated places over Gangetic West Bengal, East Uttar Pradesh and Uttarakhand. **near normal(-1.5°C to 1.5°C)** at many places over Bihar, Haryana-Chandigarh-Delhi and Lakshadweep; at most places over Punjab and Marathwada; at few places over Nagaland, Manipur, Mizoram & Tripura, Jharkhand, Coastal Karnataka

\*Red color warning does not mean "Red Alert" Red color 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

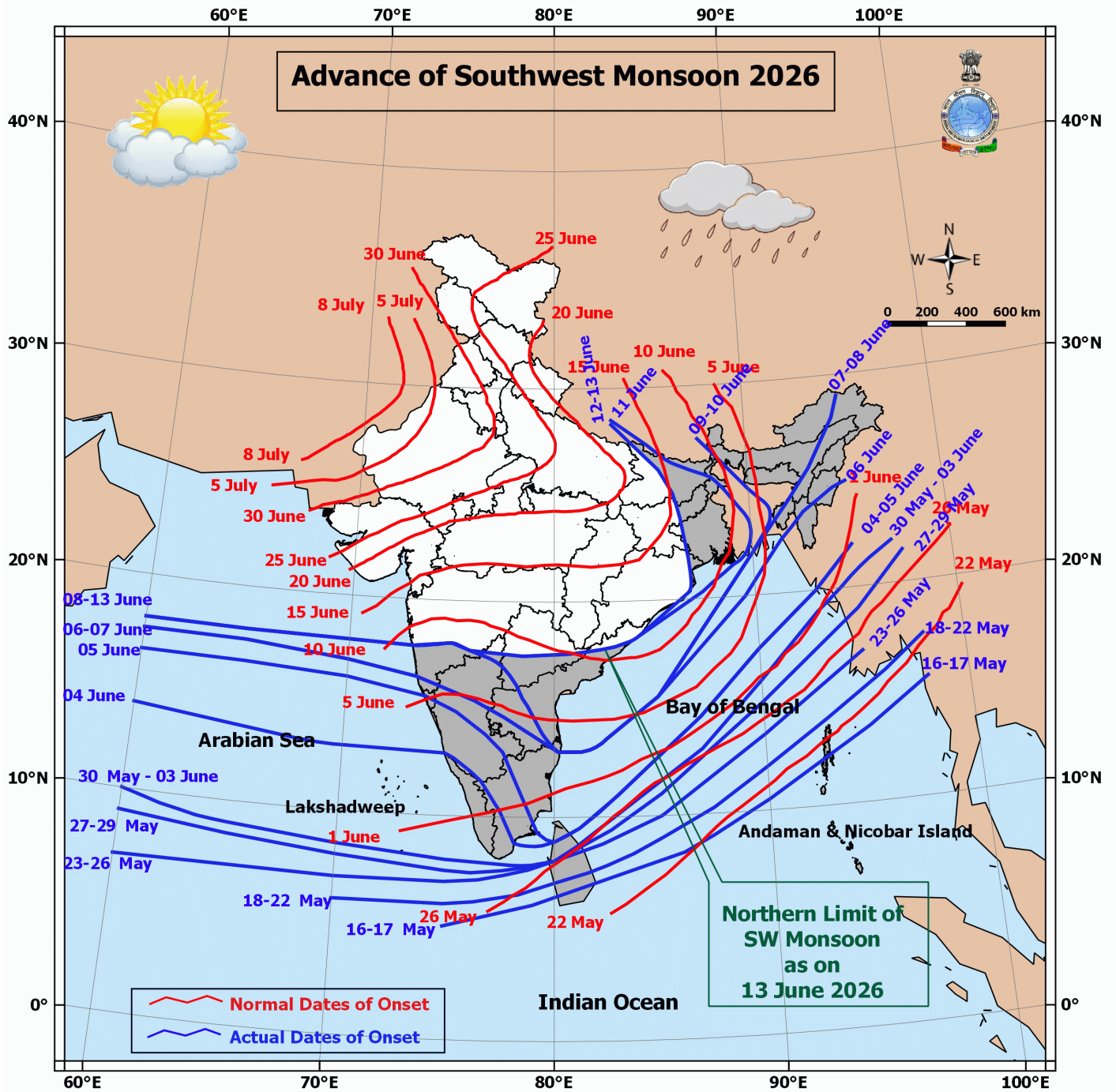
(Service to the nation since 1875)



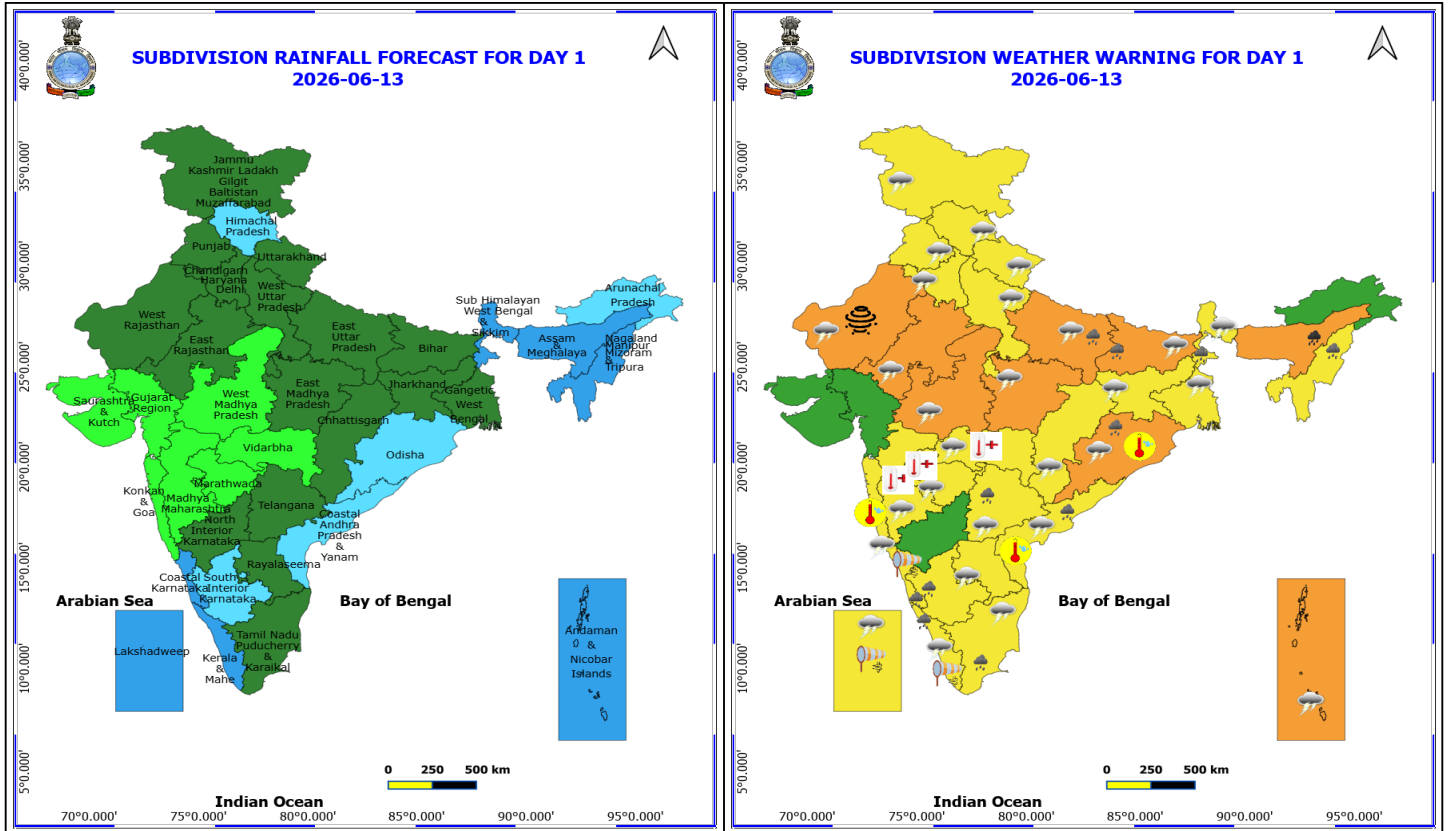
and North Interior Karnataka; at isolated places over Andaman & Nicobar Islands and Rayalaseema. **The highest maximum temperature** of 46.0°C was reported at JAISALMER (RAJASTHAN).

**Meteorological Analysis (Based on 0830 hours IST)**

- The **Northern Limit of Monsoon** continues to pass through 18°N/60°E, 18°N/65°E, 18°N/70°E, Harnai, Solapur, Hyderabad, Bhadradi Kothagudem, Kalingapatnam, Paradeep, Baripada, Purulia, Dhanbad, Muzaffarpur and 28.3°N/83°E as on 13<sup>th</sup> June, 2026.
- **Conditions are favourable** for further advance of southwest monsoon into remaining parts of Karnataka, Telangana, Andhra Pradesh, West Bengal, some more parts of Odisha and some parts of South Chhattisgarh during next 2-3 days.
- The **Western Disturbance** as **cyclonic circulation** over north Haryana & neighbourhood persists and now seen between 3.1 & 4.5 km above mean sea level with a trough aloft in middle tropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along Long. 75°E to the north of Lat. 28°N.
- An **induced cyclonic circulation** lies over Haryana & neighbourhood and extends upto 1.5 km above mean sea level.
- The **upper air cyclonic circulation** over central Pakistan adjoining Northwest Rajasthan now lies over central Pakistan adjoining West Rajasthan and extends upto 1.5 km above mean sea level.
- The **seasonal trough** now runs from the above **cyclonic circulation** over central Pakistan adjoining West Rajasthan to Bangladesh across Rajasthan, Madhya Pradesh, north Chhattisgarh, Jharkhand & Gangetic West Bengal and extends upto 0.9 km above mean sea level.
- An **upper air cyclonic circulation** lies over East Assam & neighbourhood extends upto 1.5 km above mean sea level.
- The **upper air cyclonic circulation** over north coastal Tamil Nadu at 3.1 km above mean sea level persists.
- The **shear zone** around 11°N across the above cyclonic circulation over north coastal Tamil Nadu at 3.1 km above mean sea level persists.
- An **upper air cyclonic circulation** lies over south Telangana & neighbourhood at 5.8 km above mean sea level.
- The **upper air cyclonic circulation** over south Coastal Andhra Pradesh & neighbourhood at 5.8 km above mean sea level has become less marked.
- The **trough** from central Pakistan adjoining Northwest Rajasthan to northwest Bay of Bengal across north Madhya Pradesh, north Chhattisgarh, Jharkhand, Gangetic West Bengal at 1.5 km above mean sea level has become less marked.
- The **upper air cyclonic circulation** over Southeast Rajasthan & neighbourhood at 0.9 km above mean sea level has become less marked.



\*Red color warning does not mean "Red Alert" Red color 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)



**13 June (Day 1)**

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Assam & Meghalaya.
- ❖ **Heavy Rainfall** very likely at isolated places over Bihar, Coastal Andhra Pradesh, Coastal Karnataka, East Uttar Pradesh, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, Odisha, South Interior Karnataka, Sub Himalayan West Bengal & Sikkim, Tamil Nadu Puducherry & Karaikal and Telangana.
- ❖ **Thundersquall with wind speed reaching(60-70kmph) gusting to 80 kmph** very likely at isolated places over Rajasthan.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, East Uttar Pradesh, Madhya Pradesh and Odisha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Chhattisgarh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Kerala & Mahe, Konkan & Goa, Lakshadweep, Maharashtra, Punjab, Tamil Nadu Puducherry & Karaikal, Telangana, Uttarakhand, West Bengal & Sikkim and West Uttar Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Karnataka.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya 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 Coastal Karnataka, Kerala & Mahe and Lakshadweep.

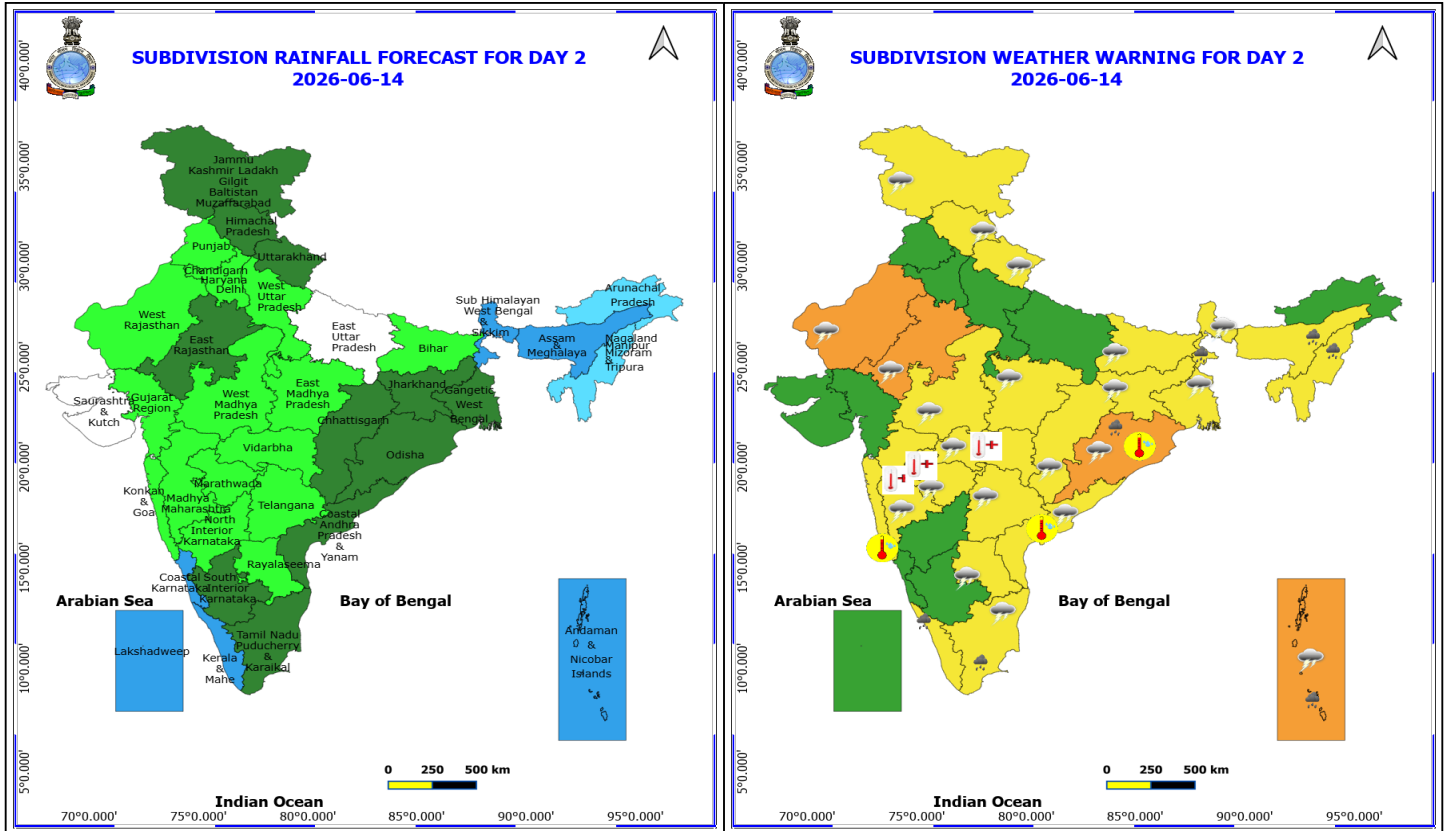
**\*Red color warning does not mean "Red Alert" Red color warning means "Take Action"**  
Forecast and warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day  
For more details kindly visit <https://mausam.imd.gov.in> or contact 011-2434-4599

(Service to the nation since 1875)

- ❖ **Heat Wave conditions** very likely at isolated places over Maharashtra.
- ❖ **Hot and Humid weather** very likely at isolated places over Coastal Andhra Pradesh, Konkan & Goa and Odisha.

---

- ❖ **Arabian Sea: Arabian Sea: Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along & off Somalia & Oman coasts, some parts of westcentral adjoining southwest Arabian Sea.
- ❖ **Squally weather with wind speed 40-50 gusting to 60 kmph** is likely over along and off Karnataka, Kerala coasts, over Lakshadweep area adjoining parts of eastcentral Arabian Sea and Maldives areas.
- ❖ **Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over Gulf of Mannar, Comorin area, along and off Sri Lanka coasts, south Bay of Bengal, eastcentral adjoining westcentral Bay of Bengal, along and off Odisha coasts and Andaman Sea.



**14 June (Day 2)**

- ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, Odisha, Sub Himalayan West Bengal & Sikkim and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thundersquall with wind speed reaching(60-70kmph) gusting to 80 kmph** very likely at isolated places over East Rajasthan.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Andaman & Nicobar Islands, Odisha and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Bihar, Chhattisgarh, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Madhya Pradesh, Maharashtra, Tamil Nadu Puducherry & Karaikal, Telangana, Uttarakhand and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Interior Karnataka.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heat Wave conditions** very likely at isolated places over Maharashtra.
- ❖ **Hot and Humid weather** very likely at isolated places over Coastal Andhra Pradesh, Konkan & Goa and Odisha.
- ❖ **Arabian Sea: Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along

**\*Red color warning does not mean "Red Alert" Red color 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

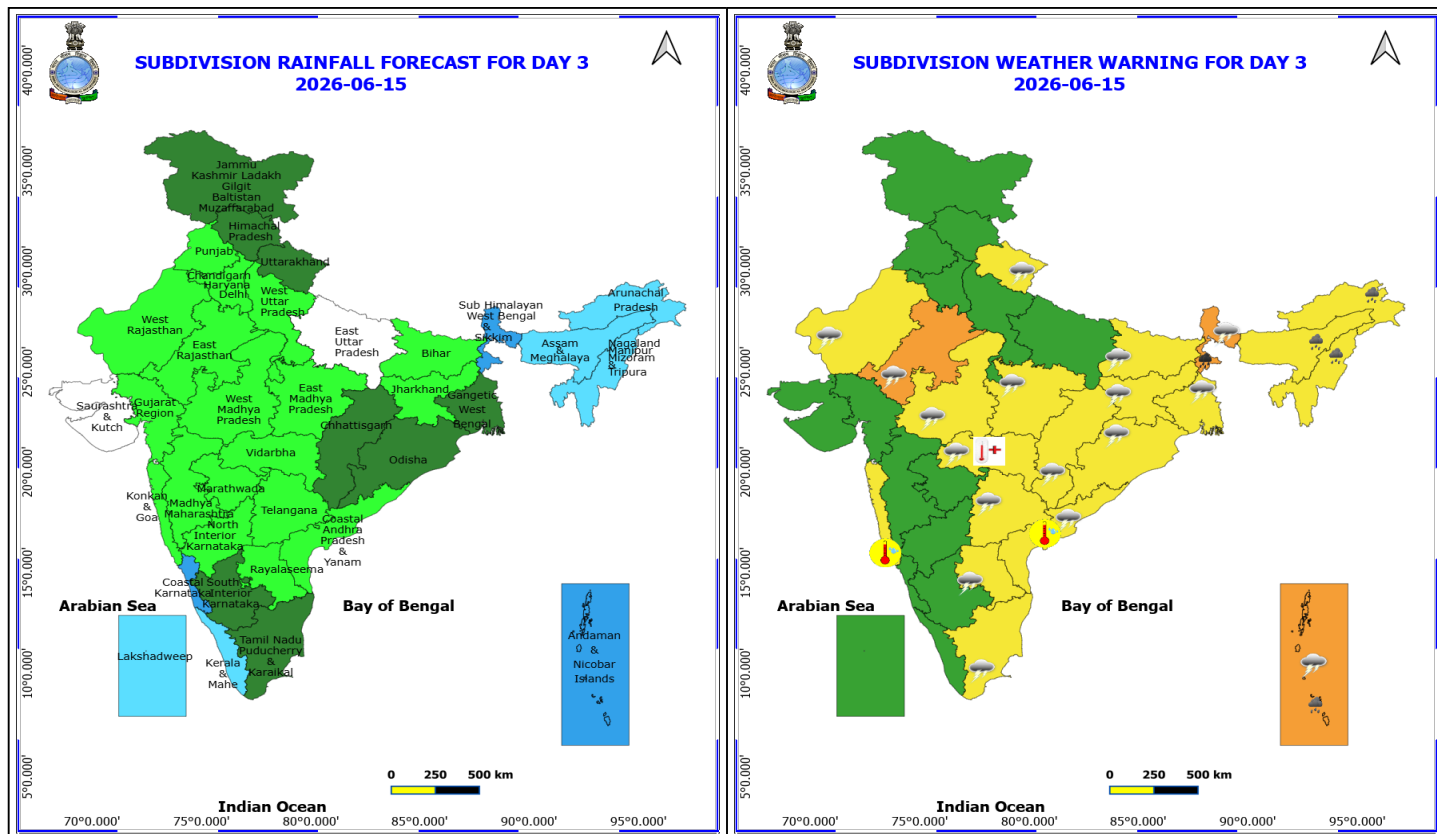
(Service to the nation since 1875)



& off Somalia & Oman coasts, some parts of westcentral adjoining some parts of southwest Arabian Sea.

❖ **Squally weather with wind speed 40-50 gusting to 60 kmph** is likely over east central adjoining southeast Arabian sea.

❖ **Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over Gulf of Mannar, Comorin area, along and off Sri Lanka coasts, southwest Bay of Bengal adjoining southeast & adjoining few parts of central Bay of Bengal, along and off Odisha coasts and Andaman Sea.



### 15 June (Day 3)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Sub Himalayan West Bengal & Sikkim.
  - ❖ **Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
  - ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Andaman & Nicobar Islands and East Rajasthan.
  - ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Bihar, Chhattisgarh, Jharkhand, Madhya Pradesh, Odisha, Tamil Nadu Puducherry & Karaikal, Telangana, Uttarakhand, Vidarbha, West Bengal & Sikkim and West Rajasthan.
  - ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over South Interior Karnataka.
  - ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
  - ❖ **Heat Wave conditions** very likely at isolated places over Vidarbha.
  - ❖ **Hot and Humid weather** very likely at isolated places over Coastal Andhra Pradesh and Konkan & Goa.
- 
- ❖ **Arabian Sea: Arabian Sea: Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along & off Somalia & Oman coasts, some parts of westcentral adjoining some parts of southwest Arabian Sea.
  - ❖ **Squally weather with wind speed 40-50 gusting to 60 kmph** is likely over east central adjoining southeast

**\*Red color warning does not mean "Red Alert" Red color 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

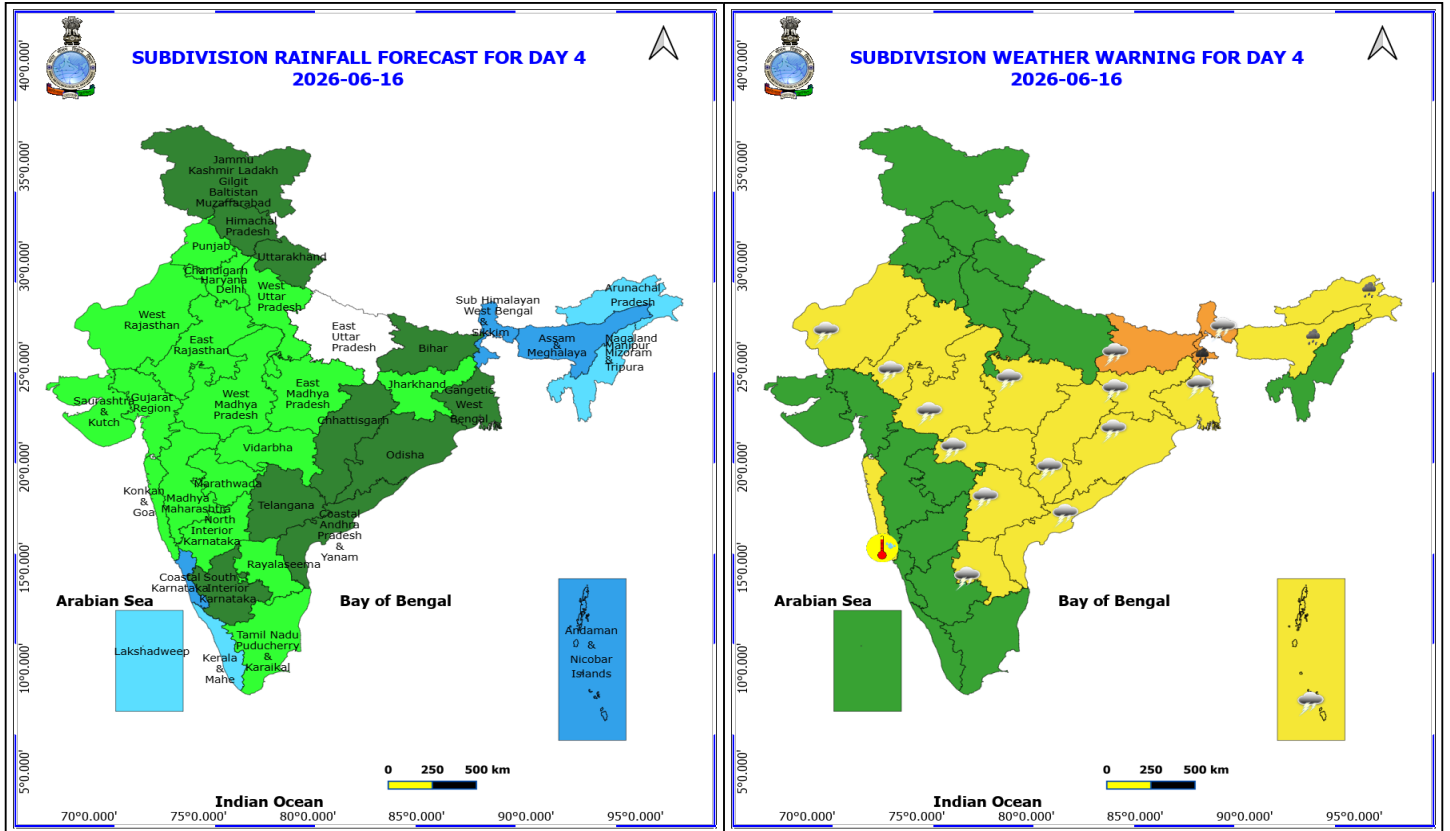
For more details kindly visit <https://mausam.imd.gov.in> or contact 011-2434-4599

(Service to the nation since 1875)



Arabian sea.

❖ **Bay of Bengal: Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over Gulf of Mannar, Comorin area, along and off Sri Lanka coasts, southwest Bay of Bengal adjoining westcentral & southeast Bay of Bengal and Andaman Sea.



**16 June (Day 4)**

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Sub Himalayan West Bengal & Sikkim.
  - ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
  - ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Bihar.
  - ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Chhattisgarh, Jharkhand, Madhya Pradesh, Odisha, Rajasthan, Telangana, Vidarbha and West Bengal & Sikkim.
  - ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over South Interior Karnataka.
  - ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
  - ❖ **Hot and Humid weather** likely at isolated places over Konkan & Goa.
- 
- ❖ **Arabian Sea:** Arabian Sea: **Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia adjoining southwest & westcentral Arabian Sea.
  - ❖ **Squally weather with wind speed 40-50 gusting to 60 kmph** is likely over some parts of east central Arabian sea.
  - ❖ **Bay of Bengal:** **Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail over Gulf of Mannar, Comorin area, along and off Sri Lanka coasts, southwest Bay of Bengal adjoining westcentral &

**\*Red color warning does not mean "Red Alert" Red color warning means "Take Action"**

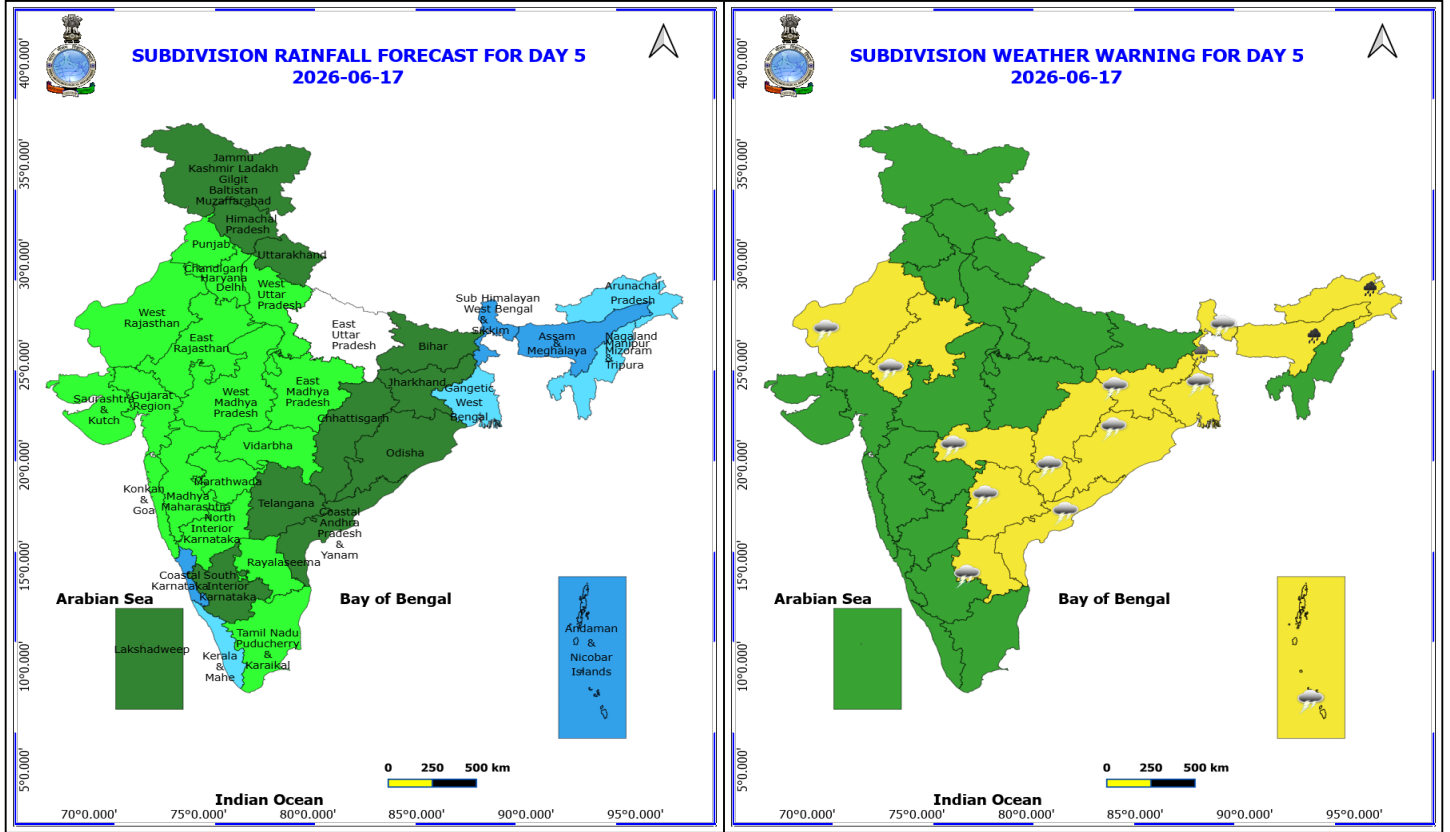
**Forecast and warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day**

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

**(Service to the nation since 1875)**



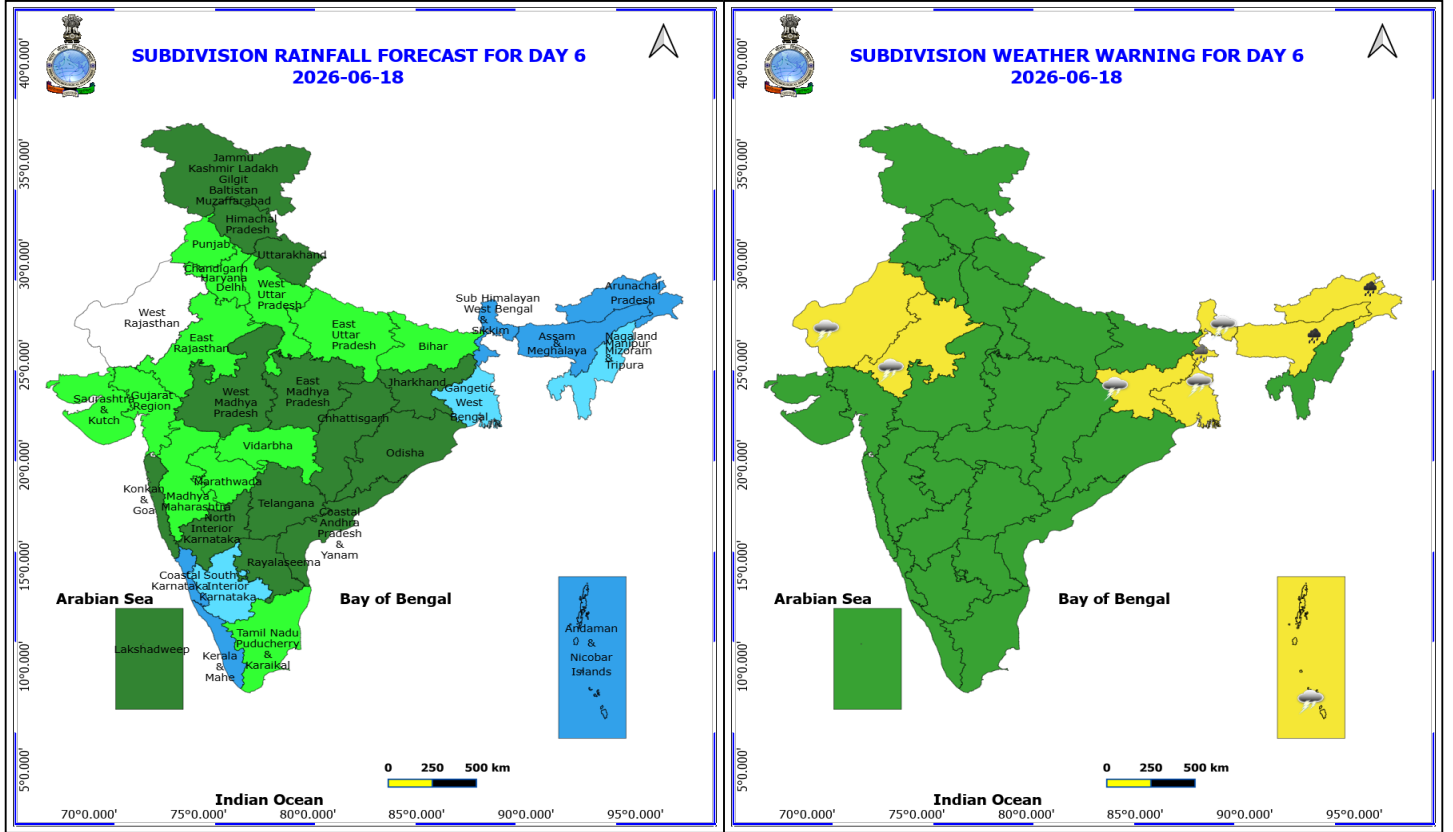
southeast Bay of Bengal and Andaman Sea.



**17 June (Day 5)**

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
- ❖ **Heavy Rainfall** likely at isolated places over Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Andhra Pradesh, Chhattisgarh, Jharkhand, Odisha, Rajasthan, Telangana, Vidarbha and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.

**No Fishermen Warning**



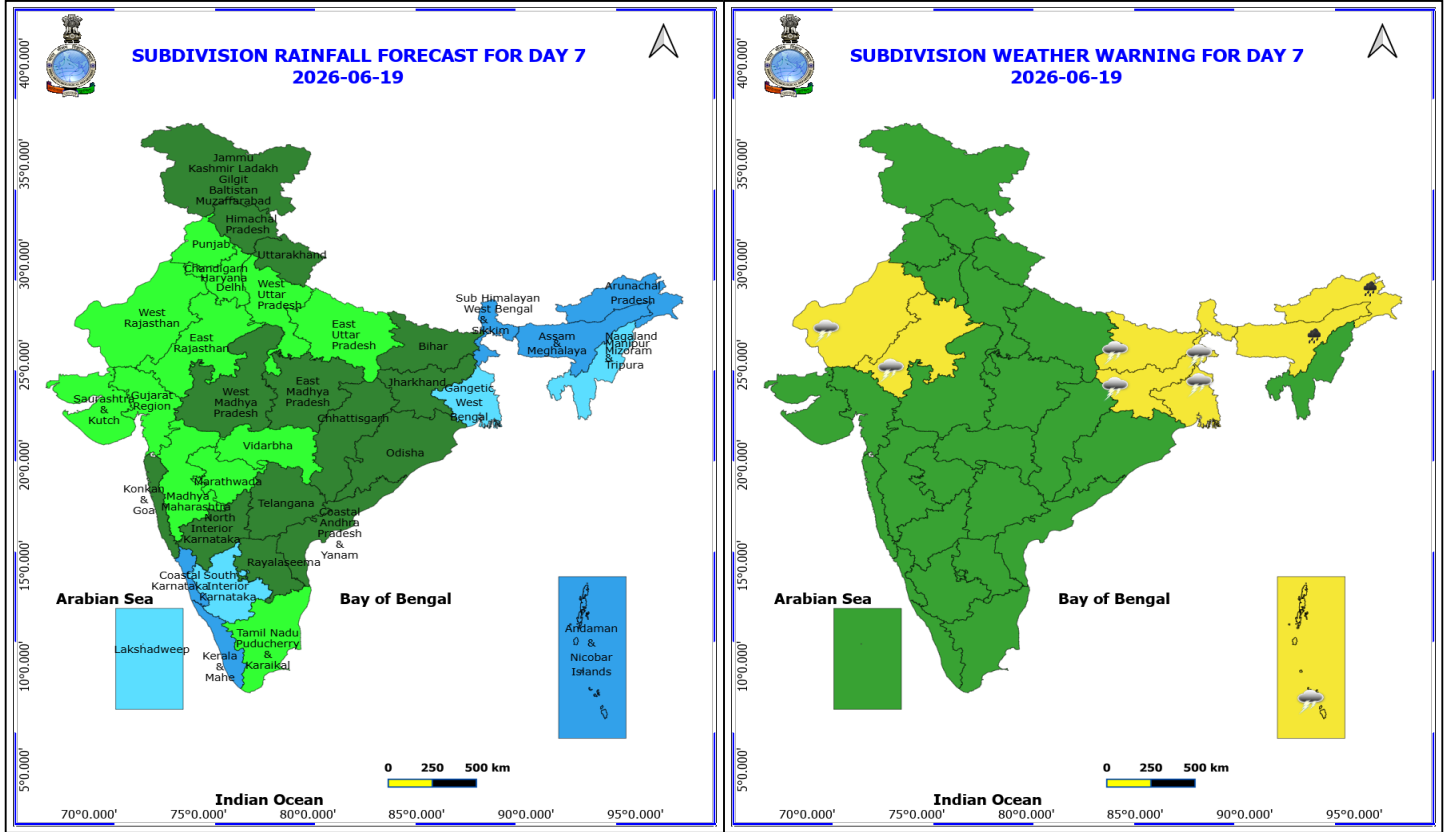
**18 June (Day 6)**

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
- ❖ **Heavy Rainfall** likely at isolated places over Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Jharkhand, Rajasthan and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar.

**No Fishermen Warning**

**\*Red color warning does not mean "Red Alert" Red color 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)



**19 June (Day 7)**

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Bihar.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Jharkhand, Rajasthan and West Bengal & Sikkim.

**No Fishermen Warning**

**\*Red color warning does not mean "Red Alert" Red color 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)



## Table-1

### 7 Days Rainfall Forecast

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

\*Red color warning does not mean "Red Alert" Red color 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)

Fig. 1: Maximum Temperatures Dated 2026-06-12

Fig. 2: Departure of Maximum Temp. Dated 2026-06-12

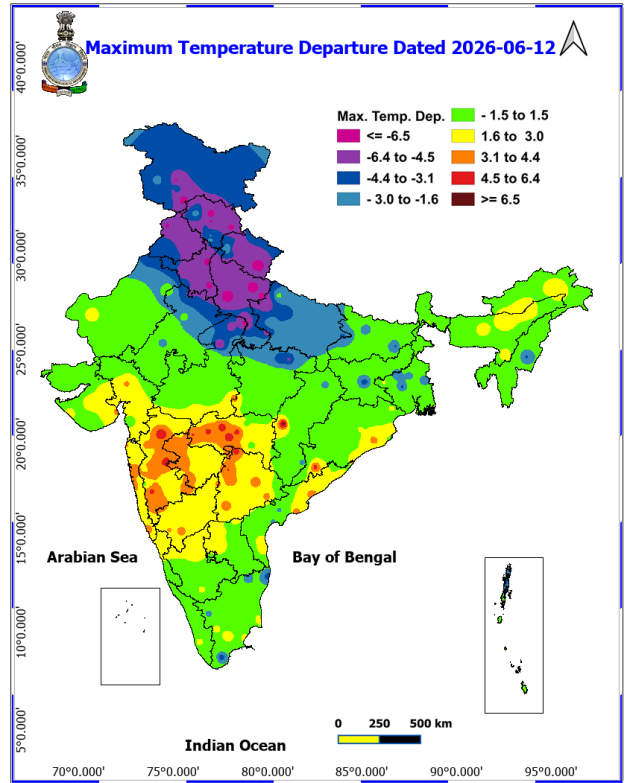
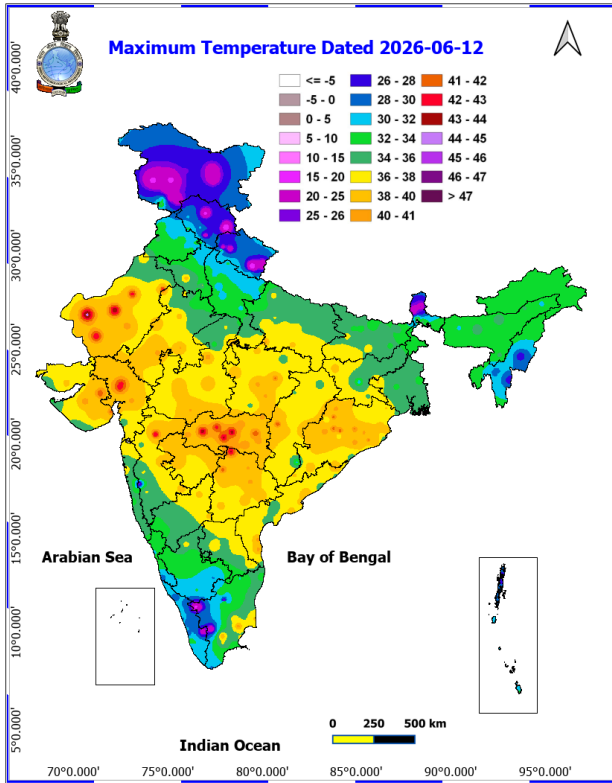
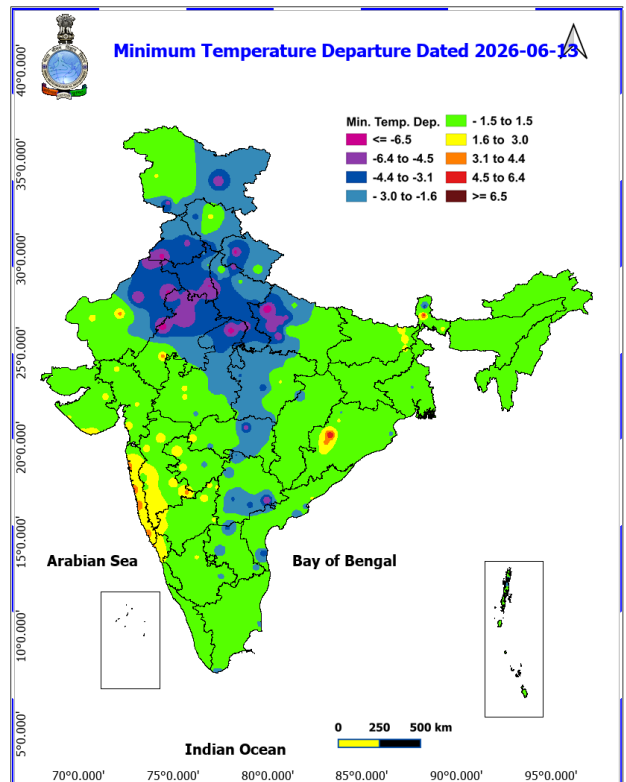
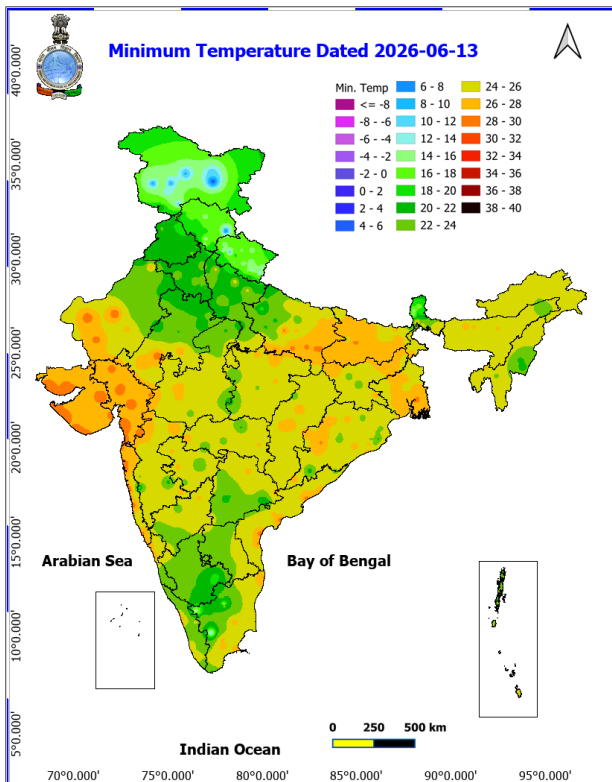
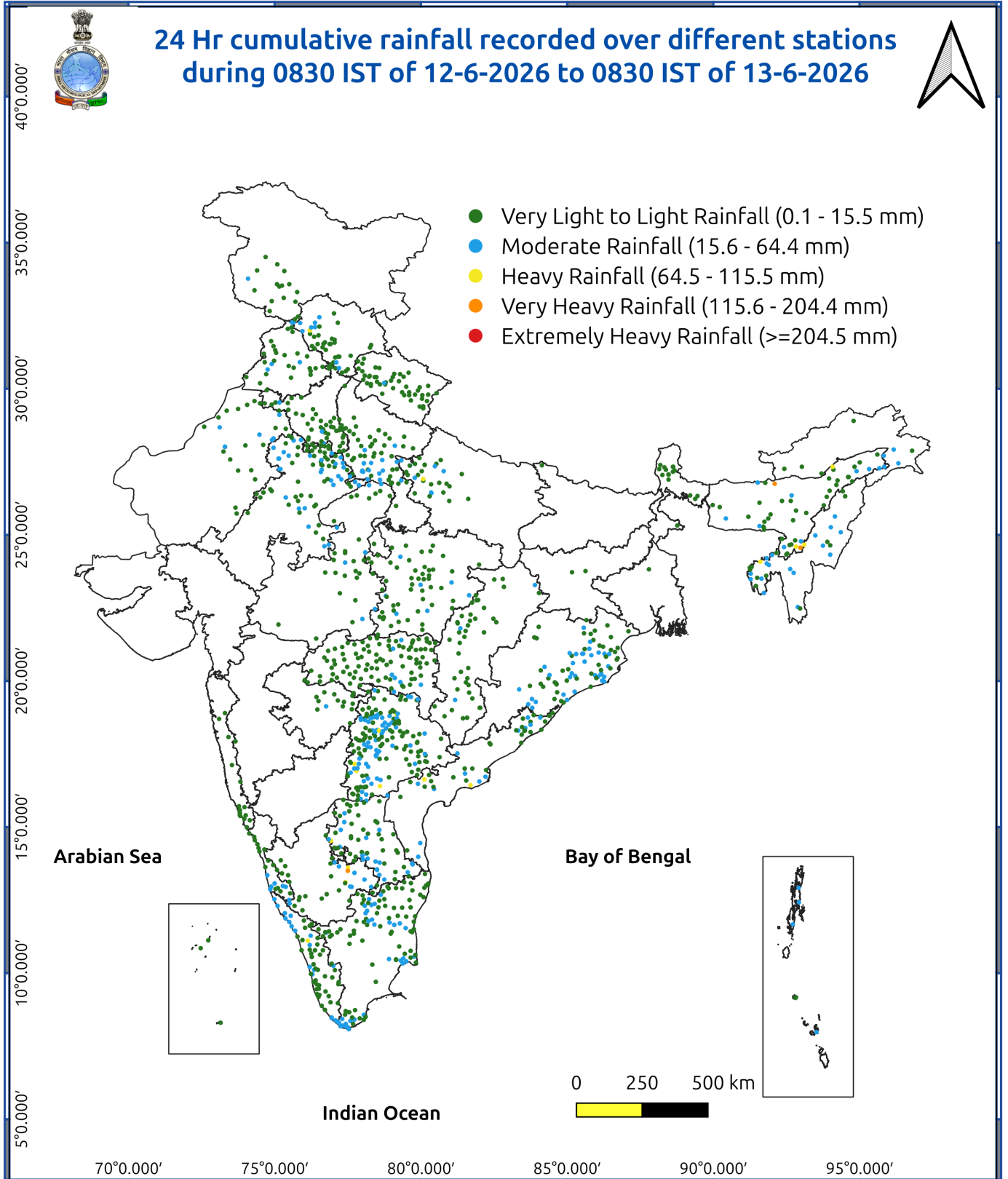


Fig. 3: Minimum Temperatures Dated 2026-06-13

Fig. 4: Departure of Minimum Temp. Dated 2026-06-13





## Impact and Actions

### Impact Expected & Action Suggested due to Extremely/ very heavy/ heavy rainfall over

- Isolated **heavy rainfall** likely over East Uttar Pradesh on 13th June; Arunachal Pradesh during 15th-16th June; Assam & Meghalaya during 14th-16th June; Nagaland, Manipur, Mizoram & Tripura during 13th-15th June; Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal during 13th-14th June; Coastal Andhra Pradesh & Yanam, Coastal Karnataka, South Interior Karnataka and Telangana on 13th June.
- isolated **very heavy rainfall** also likely over Arunachal Pradesh during 17th-19th June; Assam & Meghalaya on 13th June and during 17th-19th June.

### Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas.
- 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/landslips/mudslips/landsinks/mudsinks.
- 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 & Action Suggested due to

- **Thundersquall (wind speed reaching 60-70 kmph gusting to 80 kmph)** likely over West Rajasthan on 13th June; East Rajasthan during 13th-14th June.
- **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over East Uttar Pradesh on 13th June; West Rajasthan on 14th June; East Rajasthan on 15th June; East Madhya Pradesh and West Madhya Pradesh on 13th June; Andaman & Nicobar Islands during 13th-15th June; Bihar on 13th June, on 16th June and on 19th June; Odisha during 13th-14th June.

### 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.
- 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.

**\*Red color warning does not mean "Red Alert" Red color 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)

- 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 & Action Suggested due to

- **Heat wave** conditions very likely in isolated pockets over Madhya Maharashtra and Marathwada during 13th-14th June; Vidarbha during 13th-15th June.

#### 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 various parts of the country

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

- In **Arunachal Pradesh**, ensure proper drainage in vegetables, maize, rice nursery and other crop fields to prevent waterlogging.
- In **Assam**, ensure proper drainage arrangements for quick removal of excess water from rice nurseries, jute, ginger, vegetables, banana, citrus and papaya. Postpone nursery sowing of *Sali* rice. Cover the rice nursery beds with thin polythene sheet. Provide mechanical support to the sugarcane crop to prevent lodging.
- In **Meghalaya**, ensure proper drainage channels in maize, ginger, cowpea, vegetable fields and banana plantations. Protect young seedlings from direct exposure to heavy rainfall. Use propping (bamboo or wooden poles) to support heavily laden plants.
- In **Tripura**, harvest *Boro* rice and immediately transfer the grains to a safer place.
- In **Sub Himalayan West Belgal**, keep the harvested produce of rice and other vegetables in safe and dry place. Provide adequate drainage in ginger, tomato and dalley khorsani fields and nurseries of *kharif* rice and vegetables.
- In **Andaman & Nicobar Islands**, ensure proper drainage in coconut gardens and avoid water stagnation around basins.
- In **Keralam**, drain out excess water from banana, coconut, cardamom, ginger, black pepper and vegetables. Provide staking support in banana plants and strengthen the pandals of vegetable crops. Avoid transplanting of rice during heavy rain.
- In **Tamil Nadu**, maintain proper drainage in rice, cumbu, groundnut, sugarcane, banana and vegetables. Keep the harvested produce at safe places.
- In **Coastal Andhra Pradesh**, provide adequate drainage in standing crop fields to prevent waterlogging.
- In **Telangana**, keep harvested vegetables and fruits under shade and cover them with tarpaulin or plastic sheets to protect from damage.

##### Agromet advisories for likely impact of High temperatures / Heat Waves

- In **Vidarbha, Madhya Maharashtra and Marathwada**, apply light irrigation as per requirement in vegetable crops and fruit orchards.

**\*Red color warning does not mean "Red Alert" Red color 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)

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

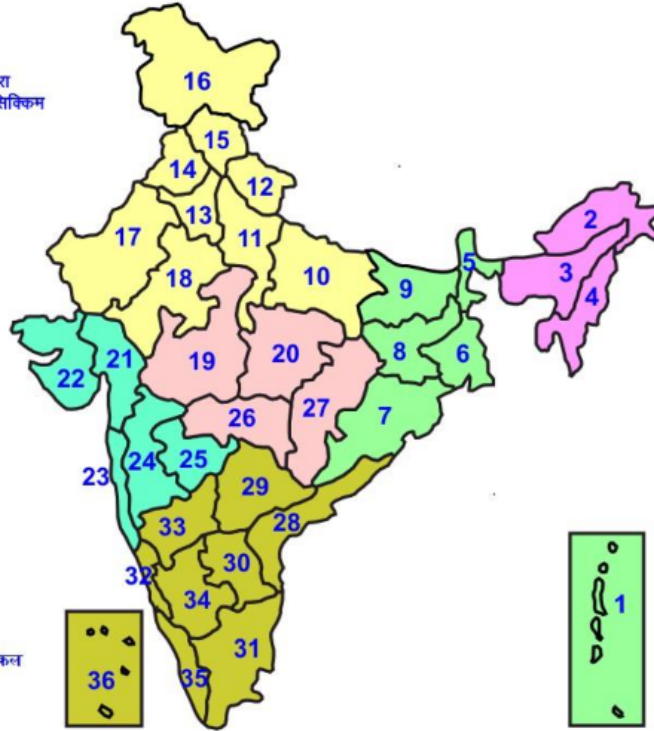
- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.
- Provide mechanical support to horticultural crops and staking or support to vegetables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

### 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.
- In regions with high temperatures and heat wave conditions, provide clean, cool drinking water to animals, and cover the roofs of poultry sheds with grass to reduce the adverse effects of heat.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.

## 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 चंडिगढ़ 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 मराठावाडा
- 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               | Very Heavy Rain | Extremely Heavy Rain | Heavy Snow         |
| Thunderstorm & Lightning | Hailstorm       | Dust Storm           | Dust Raising Winds |
| Strong surface winds     | Heat Wave       | Hot Day              | Warm Night         |
| Cold Wave                | Cold Day        | Ground Frost         | Fog                |
| Hot & Humid              |                 |                      |                    |

\*Red color warning does not mean "Red Alert" Red color 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)

## LEGENDS

### WARNING

WARNING (TAKE ACTION)
ALERT ( BE PREPARED)
WATCH (BE UPDATED)
NO WARNING ( NO ACTION)

### 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 atleast 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)

\*Red color warning does not mean "Red Alert" Red color 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)