

2025-06-29

Time of Issue: 09:19:00 hours IST  
(Morning)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

#### Weather Forecast and Warnings:

##### West India:

- **Heavy to very heavy rainfall** at isolated places likely over Konkan & Goa, Ghat areas of Madhya Maharashtra, Gujarat state during next 7 days.
- Light/moderate rainfall at most/many places likely over the region during next 7 days.

##### Northwest India:

- **Extremely heavy rainfall (>20 cm/24 hours) likely at isolated places over Uttarakhand and Uttar Pradesh on 30<sup>th</sup> June.**
- Isolated **heavy rainfall** likely over Himachal Pradesh, Uttarakhand, Uttar Pradesh during 29<sup>th</sup> June-04<sup>th</sup> July; Punjab, Haryana & Chandigarh during 29<sup>th</sup> June-02<sup>nd</sup> July; West Rajasthan on 03<sup>rd</sup> & 04<sup>th</sup> July; East Rajasthan during 01<sup>st</sup>-04<sup>th</sup> July with **very heavy rainfall** over Himachal Pradesh on 29<sup>th</sup> & 30<sup>th</sup> June; Uttarakhand during 29<sup>th</sup> June-02<sup>nd</sup> July; Punjab on 29<sup>th</sup> June; Haryana, Chandigarh on 29<sup>th</sup> & 30<sup>th</sup> June; Uttar Pradesh on 29<sup>th</sup> June, 01<sup>st</sup> & 02<sup>nd</sup> July; East Rajasthan on 03<sup>rd</sup> & 04<sup>th</sup> July.
- Light/moderate rainfall at most/many places accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph** likely over Northwest India during next 7 days.

##### East & Central India:

- Isolated **heavy rainfall** over Madhya Pradesh, Chhattisgarh, Jharkhand & Odisha during 29<sup>th</sup> June-04<sup>th</sup> July; Vidarbha on 01<sup>st</sup> & 02<sup>nd</sup> July; Sub-Himalayan West Bengal & Sikkim during 30<sup>th</sup> June-02<sup>nd</sup> July; Gangetic West Bengal during 29<sup>th</sup> June-01<sup>st</sup> July; Bihar during 29<sup>th</sup> June-04<sup>th</sup> July; with **very heavy rainfall** over West Madhya Pradesh on 01<sup>st</sup> & 02<sup>nd</sup> July; East Madhya Pradesh during 01<sup>st</sup>-04<sup>th</sup> July; Chhattisgarh on 01<sup>st</sup> & 02<sup>nd</sup> July; Gangetic West Bengal on 29<sup>th</sup> & 30<sup>th</sup> June; Bihar during 29<sup>th</sup> June-02<sup>nd</sup> July; Jharkhand during 29<sup>th</sup> June-01<sup>st</sup> July; Odisha during 29<sup>th</sup> June-01<sup>st</sup> July.
- Light/moderate rainfall at most/many places accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph** likely over Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand during next 7 days; Andaman & Nicobar Islands & Odisha on 29<sup>th</sup>; Gangetic West Bengal on 29<sup>th</sup> – 30<sup>th</sup> June; Vidarbha on 01<sup>st</sup> & 02<sup>nd</sup> July.

##### Northeast India:

- Light/moderate rainfall at most places accompanied with **thunderstorm, lightning and isolated heavy rainfall** likely to continue over Northeast India during next 7 days with **very heavy rainfall** over Arunachal Pradesh on 02<sup>nd</sup> & 03<sup>rd</sup> July; Assam & Meghalaya during 02<sup>nd</sup>-04<sup>th</sup> July; Nagaland on 01<sup>st</sup> & 02<sup>nd</sup> July.

##### South Peninsular India:

- Isolated **heavy rainfall** likely over Kerala & Mahe on 29<sup>th</sup> June, 03<sup>th</sup> & 04<sup>th</sup> July; Coastal Karnataka, South Interior Karnataka during 02<sup>nd</sup> -04<sup>th</sup> July.
- **Strong surface winds** (speed reaching 40-50 kmph) very likely over Tamil Nadu on 29<sup>th</sup> June; Interior Karnataka, Coastal Andhra Pradesh & Yanam, Rayalaseema & Telangana during 29<sup>th</sup> June-02<sup>nd</sup> July.
- Light/moderate rainfall at many/some places over Kerala & Mahe, Lakshadweep, Coastal Karnataka; isolated to scattered rainfall accompanied with isolated **thunderstorm, lightning** over Coastal Andhra Pradesh & Yanam, Telangana, Coastal Karnataka during next 5 days.

##### Hot & Humid Weather warning:

- **Hot & humid weather** is likely to prevail over plains of Assam & Tamil Nadu on 29<sup>th</sup>- 30<sup>th</sup> 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 0530 hours IST of today): **at most places** over Andaman & Nicobar Islands, West Madhya Pradesh, Konkan & Goa, Uttarakhand, Himachal Pradesh, Odisha, Jharkhand, Saurashtra & Kutch, East Uttar Pradesh, Coastal Karnataka, Vidarbha, Gujarat Region, West Uttar Pradesh, Kerala & Mahe, Gangetic West Bengal, Tamilnadu Puducherry & Karaikal and Lakshadweep; **at many places** over Telangana, Rayalaseema, North Interior Karnataka, Coastal Andhra Pradesh & Yanam, Chhattisgarh, East Madhya Pradesh, Arunachal Pradesh, East Rajasthan, West Rajasthan, Sub-himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka, Madhya Maharashtra, Punjab, Haryana Chandigarh & Delhi, Assam & Meghalaya and Bihar; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0530 hours IST of today): Andaman & Nicobar islands: Port Blair (dist South Andaman) 11, Car Nicobar (vecx) (dist Nicobar) 1; **Punjab**: Chandigarh (dist Chandigarh) 10; Himachal Pradesh: Sundernagar (dist Mandi) 7; Haryana Chandigarh & Delhi: Ambala (dist Ambala) 7, New Delhi (palam) AP (dist South West Delhi) 1; **Odisha**: Paradip Port (dist Jagatsinghpur) 6, Balasore (dist Balasore) 4, Bhubaneswar (dist Khordha), Chandbali (dist Bhadrak) 2 Each, Keonjhar (dist Kendujhar) 1; **Jharkhand**: Jamshedpur AP (dist East Singhbhum) 6, Daltonganj (dist Palamu) 2; Saurashtra & Kutch: Porbandar AP (dist Porbandar), Dwarka (dist Devbhumi Dwarka) 4 Each, Okha (dist Jamnagar) 2, Veraval (dist Gir Somnath), Bhuj (dist Kachchh) 1 Each; East Uttar Pradesh: Kanpur Airforce (dist Kanpur Nagar) 3, Varanasi (babatpur) AP (dist Varanasi) 2, Allahabad (dist Prayagraj) 1; **Uttarakhand**: Dehra Dun-mokampur (dist Dehradun) 3; Coastal Karnataka: Mangalore (bajpe) AP (dist Dakshina Kannada) 3; Gujarat region: Ahmedabad (dist Ahmedabad), Surat (dist Surat) 2; Kerala & Mahe: Thiruvananthapuram-city (dist Thiruvananthapuram), Cannanore (kannur) (dist Kannur) 2 Each; Gangetic West Bengal: Kolkata-alipur (dist Kolkata) 2, Digha (dist North 24 Parganas) 1; Tamilnadu Puducherry & Karaikal: Cuddalore (dist Cuddalore) 2, Pondicherry (dist Puducherry), Adiramapatinam (dist Thanjavur) 1 Each; Assam & Meghalaya: North Lakhimpur (dist Lakhimpur), Silchar (dist Cachar), Cherrapunji (dist East Khasi Hills) 1 Each; **Bihar**: Gaya (dist Gaya) 1; **Vidarbha**: Nagpur-sonegaon Airport (dist Nagpur) 1; Madhya Maharashtra: Nashik (dist Nashik) 1; Konkan & Goa.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Heavy rain** at most places over Himachal Pradesh, at a few places over Andaman & Nicobar Islands, Jharkhand and Punjab, at isolated places over Haryana Chandigarh & Delhi

❖ **Minimum Temperature Departures (as on 28-06-2025): markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Bihar, East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh, Jammu-Kashmir Ladakh-Gilgit-Baltistan-Muzaffarabad and West Madhya Pradesh. **appreciably above normal(3.1°C to 5.0°C)** at few places over East Madhya Pradesh; at isolated places over Andaman & Nicobar Islands, Odisha, Gujarat Region and Saurashtra & Kutch. **above normal(1.6°C to 3.0°C)** at few places over Punjab, Konkan & Goa, Rayalaseema and Tamil Nadu, Puducherry & Karaikal; at isolated places over Gangetic West Bengal, Haryana-Chandigarh-Delhi, Madhya Maharashtra, Vidarbha, Coastal Andhra Pradesh & Yanam and Kerala & Mahe. **near normal(-1.5°C to 1.5°C)** at many places over East Rajasthan and Chhattisgarh; at most places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Jharkhand, Uttarakhand, West Rajasthan, Marathwada, Telangana, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka and Lakshadweep. **The lowest minimum temperature** of 18.4°C was reported at MATHERAN (MAHARASHTRA) over the Plains of India.

❖ **Maximum Temperature Departures (as on 28-06-2025): markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, Odisha and West Uttar Pradesh. **appreciably above normal(3.1°C to 5.0°C)** at isolated places over Sub Himalayan West Bengal & Sikkim, Bihar, Jammu-Kashmir Ladakh-Gilgit-Baltistan-Muzaffarabad and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over Coastal Karnataka; at few places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, East Uttar Pradesh and Coastal Andhra Pradesh & Yanam; at isolated places over Gangetic West Bengal, Uttarakhand, Himachal Pradesh, Konkan & Goa, Telangana, Rayalaseema and North Interior Karnataka. **near normal(-1.5°C to 1.5°C)** at many places over Madhya Maharashtra and Vidarbha; at most places over South Interior Karnataka and Lakshadweep; at few places over Andaman & Nicobar Islands, Haryana-Chandigarh-Delhi, Marathwada and Kerala & Mahe; at isolated places over Jharkhand, Punjab, West Rajasthan, Saurashtra & Kutch and Chhattisgarh. **The highest maximum temperature** of 41.4°C was reported at SRIGANGANAGAR (RAJASTHAN).

\*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)

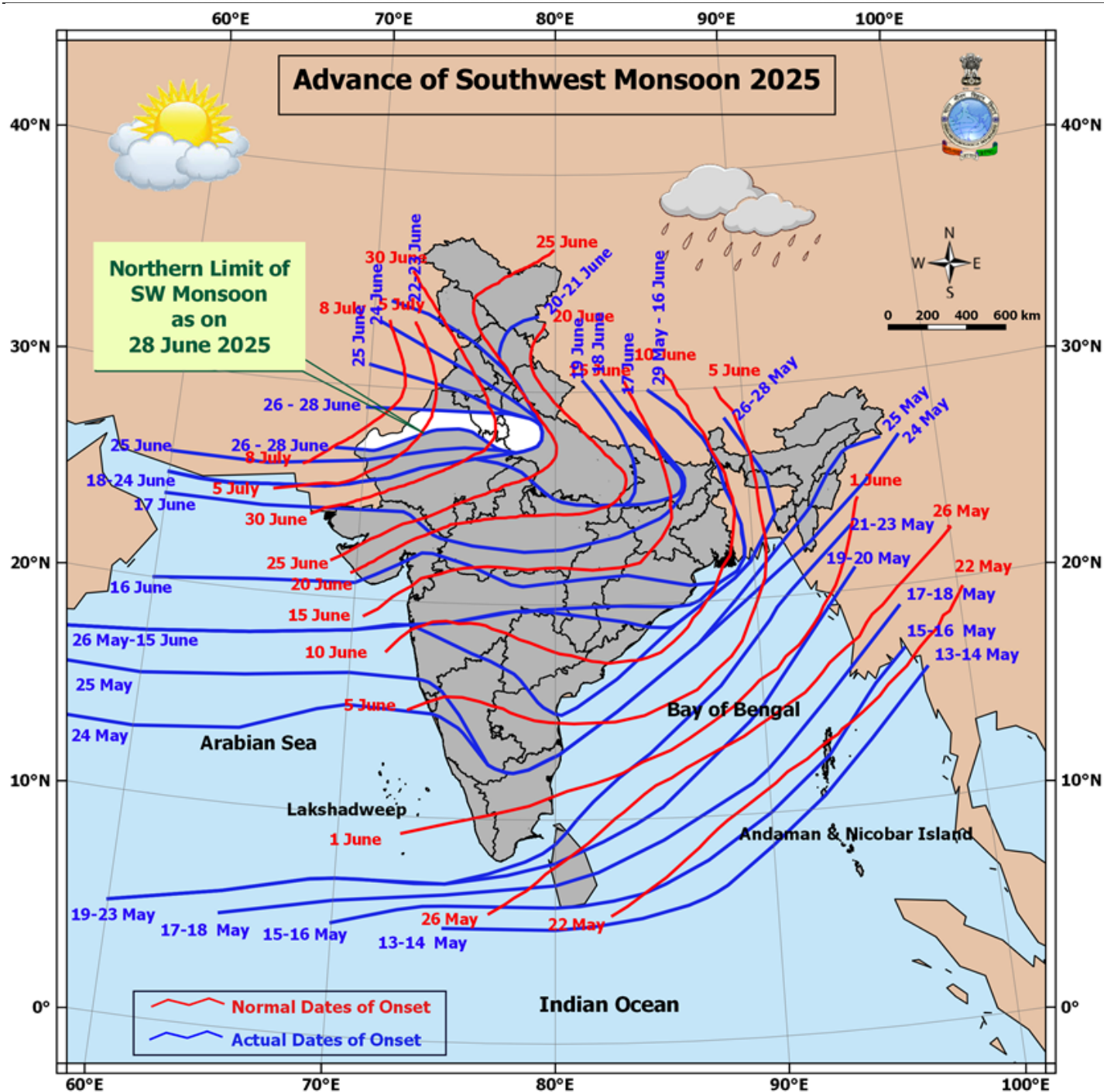


#### Meteorological Analysis (Based on 0530 hours IST)

- The Northern Limit of Monsoon continue to pass through 27.0°N/68.5°E, 27.0°N/70.0°E, Jaisalmer, Bikaner, Jhunjhunu, Bharatpur, Rampur, Sonipat, Anup Nagar and 29.0°N/70.0°E.
- The **low-pressure area** over Kutch & neighbourhood lay over Saurashtra & Kutch and adjoining south Rajasthan at 0530 hrs IST of today, the 29<sup>th</sup> June, 2025. The associated **upper air cyclonic circulation** extends upto 5.8 km above mean sea level.
- Under the influence of the **upper air cyclonic circulation** over southwest Bangladesh and Gangetic West Bengal, another **low-pressure area** has formed over Northwest Bay of Bengal and adjoining West Bengal and Bangladesh coasts at 0530 hrs IST of today, the 29th June 2025. The associated cyclonic circulation extends upto 7.6km above mean sea level. It is likely to move slowly westnorthwestwards across North Odisha, Gangetic West Bengal & Jharkhand during next 2 days.
- An **upper air cyclonic circulation** lies over north Haryana and neighbourhood and extends upto 1.5 km above mean sea level.
- The **cyclonic circulation** over central parts of south Uttar Pradesh extending upto 1.5 km above mean sea level persists.
- The east-west **trough** now runs from the **upper air cyclonic circulation** associated with low pressure area over Saurashtra & Kutch and adjoining south Rajasthan to the upper air cyclonic circulation associated with the other low-pressure area over northwest Bay of Bengal and adjoining West Bengal and Bangladesh coasts across Madhya Pradesh, north Chhattisgarh and north Odisha between 3.1 & 5.8 km above mean sea level tilting southward with height.
- The **cyclonic circulation** over northeast Assam at 0.9 km above mean sea level has become less marked.

#### Weather Outlook for subsequent 3 days

- Scattered to fairly widespread rainfall likely to occur at isolated places over northwest, northeast, western coast of southern India & West Rajasthan.
- Isolated to scattered rainfall likely over western Himalayas, central & eastern India.



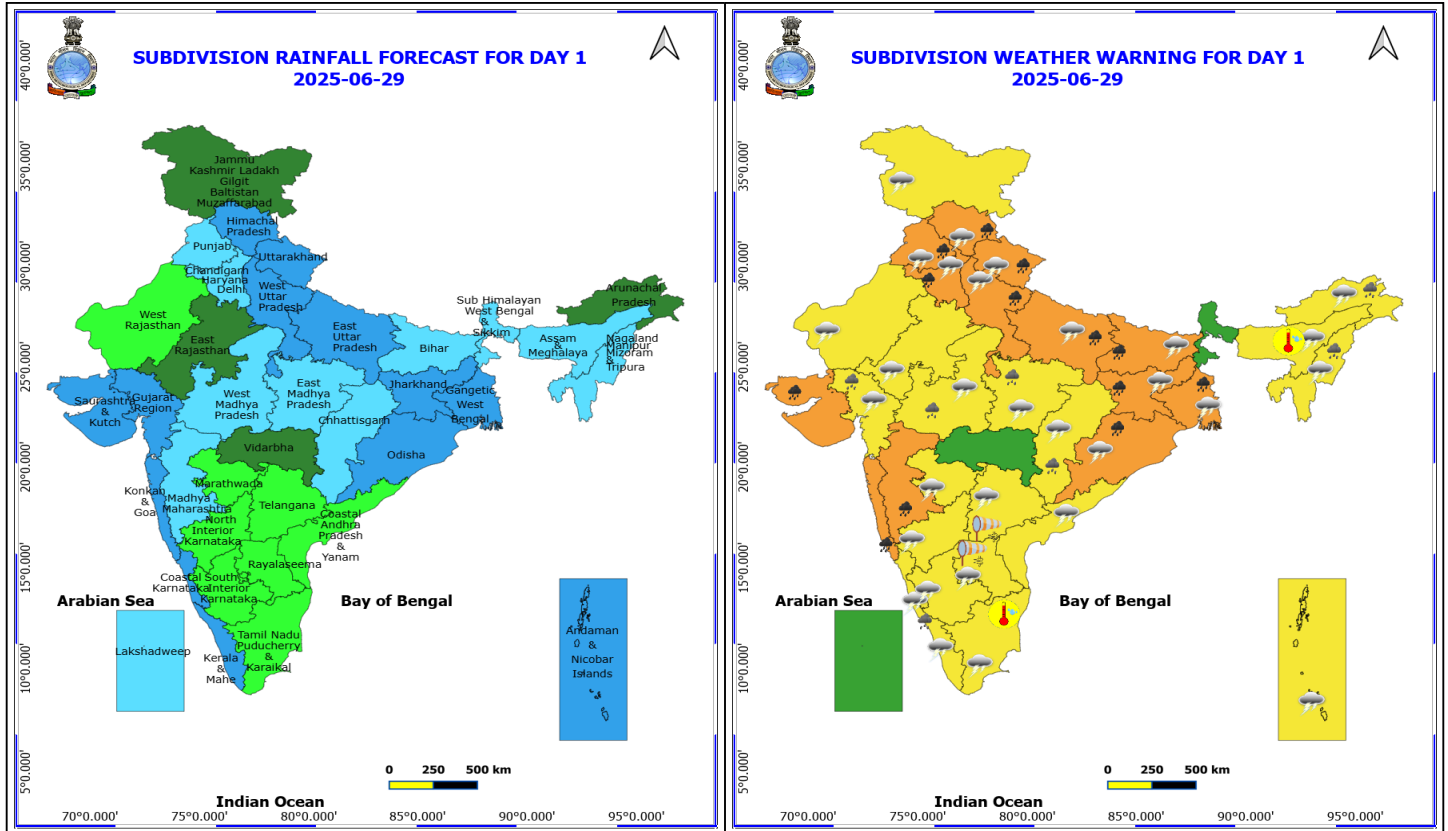
\*Red color warning does not mean "Red Alert" Red color warning means "Take Action"

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)





## 29 June (Day 1)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Bihar, Gangetic West Bengal, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jharkhand, Konkan & Goa, Madhya Maharashtra, Odisha, Punjab, Saurashtra & Kutch, Uttar Pradesh and Uttarakhand.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Chhattisgarh, Gujarat Region, Kerala & Mahe, Madhya Pradesh and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Interior Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andaman & Nicobar Islands, Bihar, Coastal Karnataka, Gangetic West Bengal, Jharkhand, Marathwada, Odisha, Rajasthan, Telangana and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, East Madhya Pradesh, Gujarat Region, Haryana, Chandigarh & Delhi, Himachal Pradesh, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, Punjab, Uttar Pradesh and Uttarakhand.
- ❖ **Strong Surface Winds** very likely at isolated places over Rayalaseema and Telangana.
- ❖ **Hot and Humid weather** very likely at isolated places over Assam & Meghalaya and Tamil Nadu Puducherry & Karaikal.
- ❖ **Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia, Oman & adjoining Yemen coasts, most parts of westcentral Arabian Sea & adjoining, most parts of

\*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

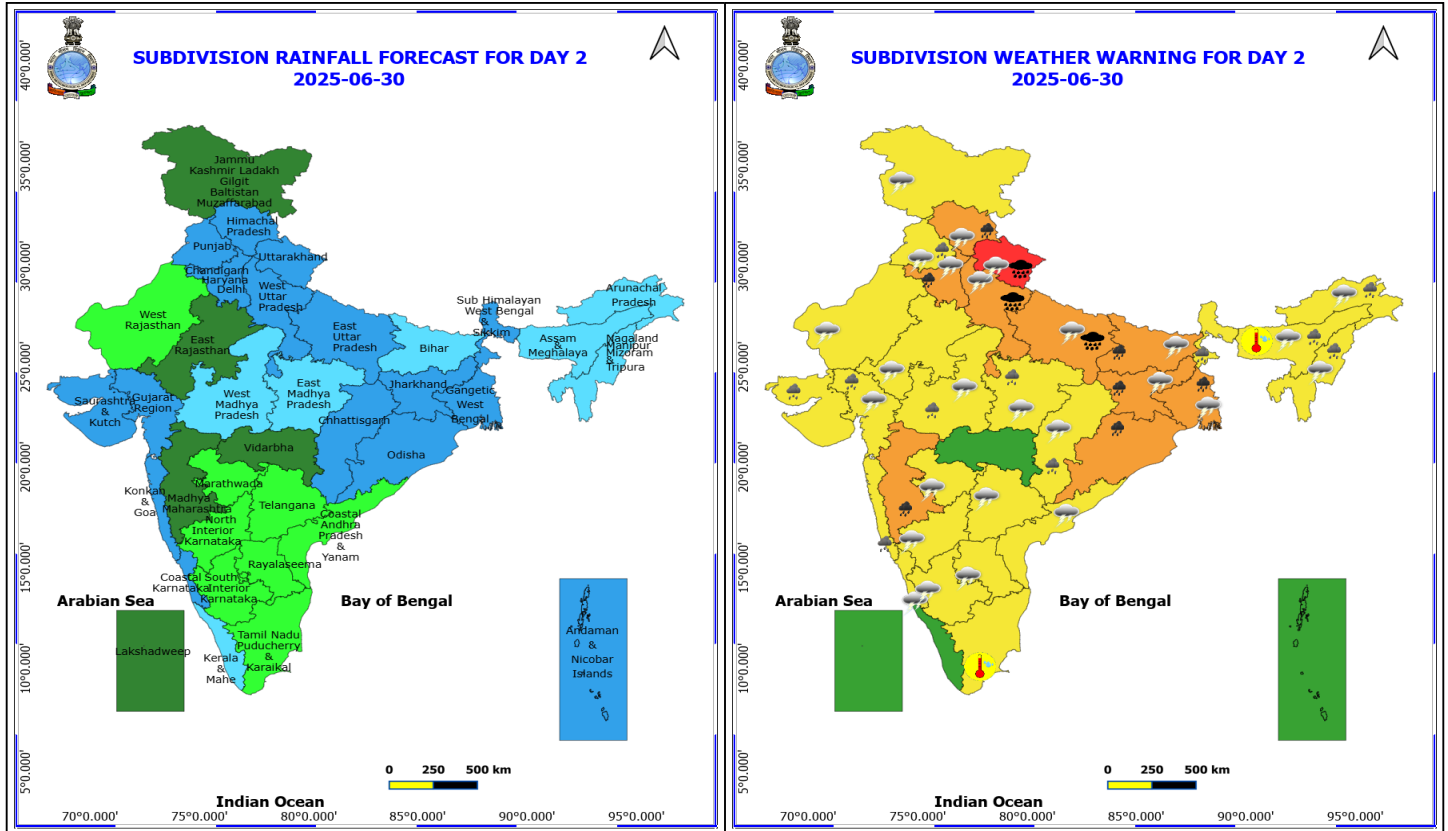
For more details kindly visit <https://mausam.imd.gov.in> or contact 011-2434-4599

(Service to the nation since 1875)

eastcentral Arabian Sea, southern parts of northwest Arabian Sea, most parts of northeast Arabian Sea, over Gulf of Mannar.

❖ **Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph** likely to prevail over most parts of eastcentral & adjoining areas of westcentral Arabian Sea, along and off Karnataka, Kerala coasts, over Lakshadweep area, along and off north Andhra Pradesh coast and adjoining Odisha coast, Bay of Bengal most parts of central Bay of Bengal and adjoining & most parts of west Bengal, Bangladesh coasts few parts of southeast Bay of Bengal, over Andaman Sea.

❖ **Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over western parts of eastcentral & adjoining westcentral Arabian Sea, over most parts of northeast Arabian Sea, along and off Gujarat, Konkan, Goa coasts.



### 30 June (Day 2)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Uttar Pradesh and Uttarakhand.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Bihar, Gangetic West Bengal, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jharkhand, Madhya Maharashtra and Odisha.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat State, Konkan & Goa, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Punjab and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Coastal Karnataka, Gangetic West Bengal, Interior Karnataka, Jharkhand, Marathwada, Rajasthan and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat Region, Haryana, Chandigarh & Delhi, Himachal Pradesh, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Punjab, Uttar Pradesh and Uttarakhand.
- ❖ **Hot and Humid weather** very likely at isolated places over Assam & Meghalaya and Tamil Nadu Puducherry & Karaikal.
- ❖ **Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia, Oman & adjoining Yemen coasts, most parts of westcentral Arabian Sea & adjoining, most parts of

**\*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**

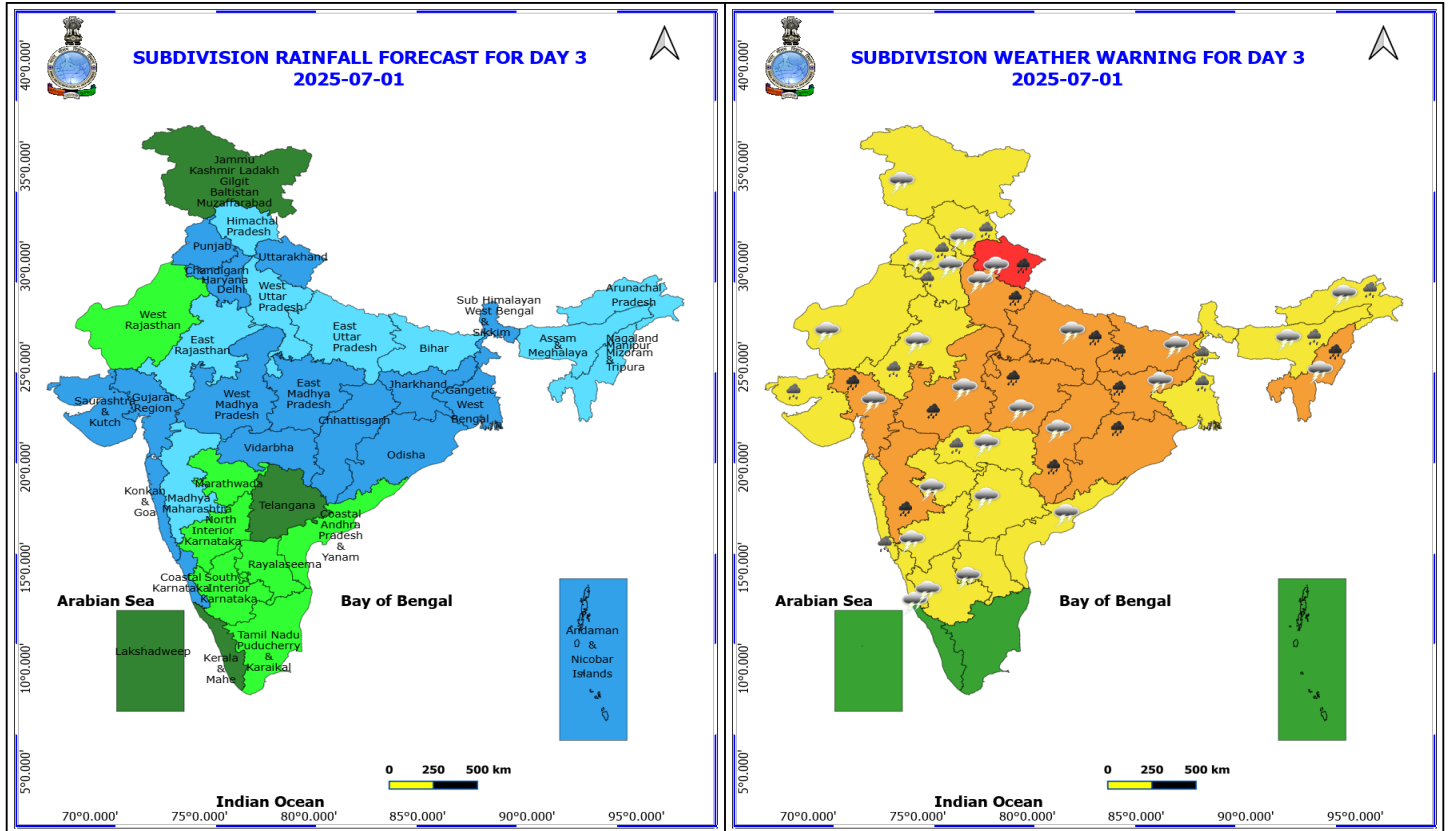
**(Service to the nation since 1875)**

eastcentral Arabian Sea, most parts of northeast Arabian Sea, many parts of northwest Arabian Sea, northern parts of southwest Arabian Sea, over Gulf of Mannar.

❖ **Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph** likely to prevail over most parts of central Bay, north Bay of Bengal, few parts of southeast Bay of Bengal, along and off north Andhra Pradesh, Odisha, West Bengal, Bangladesh coasts and over Andaman Sea.

❖ **Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over over most parts of eastcentral & adjoining areas of westcentral Arabian Sea, over most parts of northeast Arabian Sea, along and off Gujarat, Konkan coasts.





## 1 July (Day 3)

- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Bihar, Chhattisgarh, Gujarat Region, Jharkhand, Madhya Maharashtra, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Odisha, Uttar Pradesh and Uttarakhand.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, East Rajasthan, Haryana, Chandigarh & Delhi, Himachal Pradesh, Konkan & Goa, Punjab, Saurashtra & Kutch, Vidarbha and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Coastal Karnataka, Interior Karnataka, Jharkhand, Marathwada, Rajasthan and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat Region, Haryana, Chandigarh & Delhi, Himachal Pradesh, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Punjab, Uttar Pradesh, Uttarakhand and Vidarbha.
- ❖ **Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia, Oman & adjoining Yemen coasts, most parts of westcentral Arabian Sea & adjoining, most parts of eastcentral Arabian Sea, most parts of northeast Arabian Sea, many parts of northwest Arabian Sea, northern parts of southwest Arabian Sea.
- ❖ **Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph** likely to prevail over most parts of central Bay of Bengal, some northern parts of southeast Bay of Bengal, along and off Odisha, West Bengal, Bangladesh coasts, over north Bay of Bengal, over Andaman Sea.

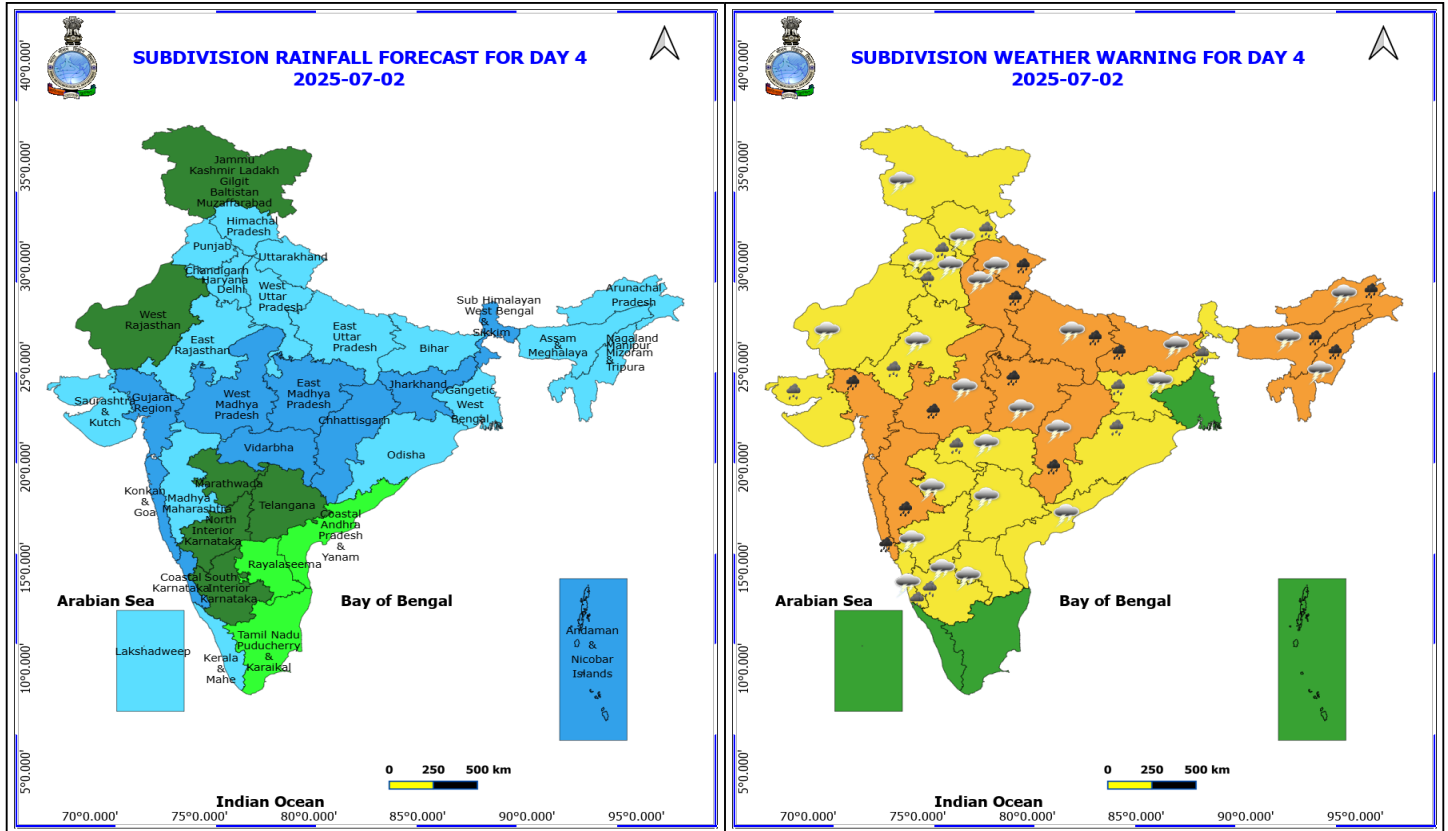
**\*Red color warning does not mean "Red Alert" Red color warning means "Take Action"**

**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)**

❖ **Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over over most parts of eastcentral & adjoining areas of westcentral Arabian Sea, over most parts of northeast Arabian Sea, along and off Gujarat, north Konkan coasts, some parts of north Bay of Bengal, along and off north Odisha and west Bengal coasts.



## 2 July (Day 4)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, Gujarat Region, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Uttar Pradesh and Uttarakhand.
- ❖ **Heavy Rainfall** likely at isolated places over Coastal Karnataka, East Rajasthan, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jharkhand, Odisha, Punjab, Saurashtra & Kutch, South Interior Karnataka, Sub Himalayan West Bengal & Sikkim and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Interior Karnataka and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andhra Pradesh, Bihar, Coastal Karnataka, Jharkhand, Marathwada, Rajasthan and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, Punjab, Uttar Pradesh, Uttarakhand and Vidarbha.
- ❖ **Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia, Oman & adjoining Yemen coasts, most parts of westcentral Arabian Sea & adjoining, most parts of eastcentral Arabian Sea, most parts of northeast Arabian Sea, many parts of northwest Arabian Sea, northern parts of southwest Arabian Sea.
- ❖ **Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph** likely to prevail over most parts of central Bay of Bengal, north Bay of Bengal, along and off Odisha, West Bengal, Bangladesh coasts, over north Bay of Bengal.

**\*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**

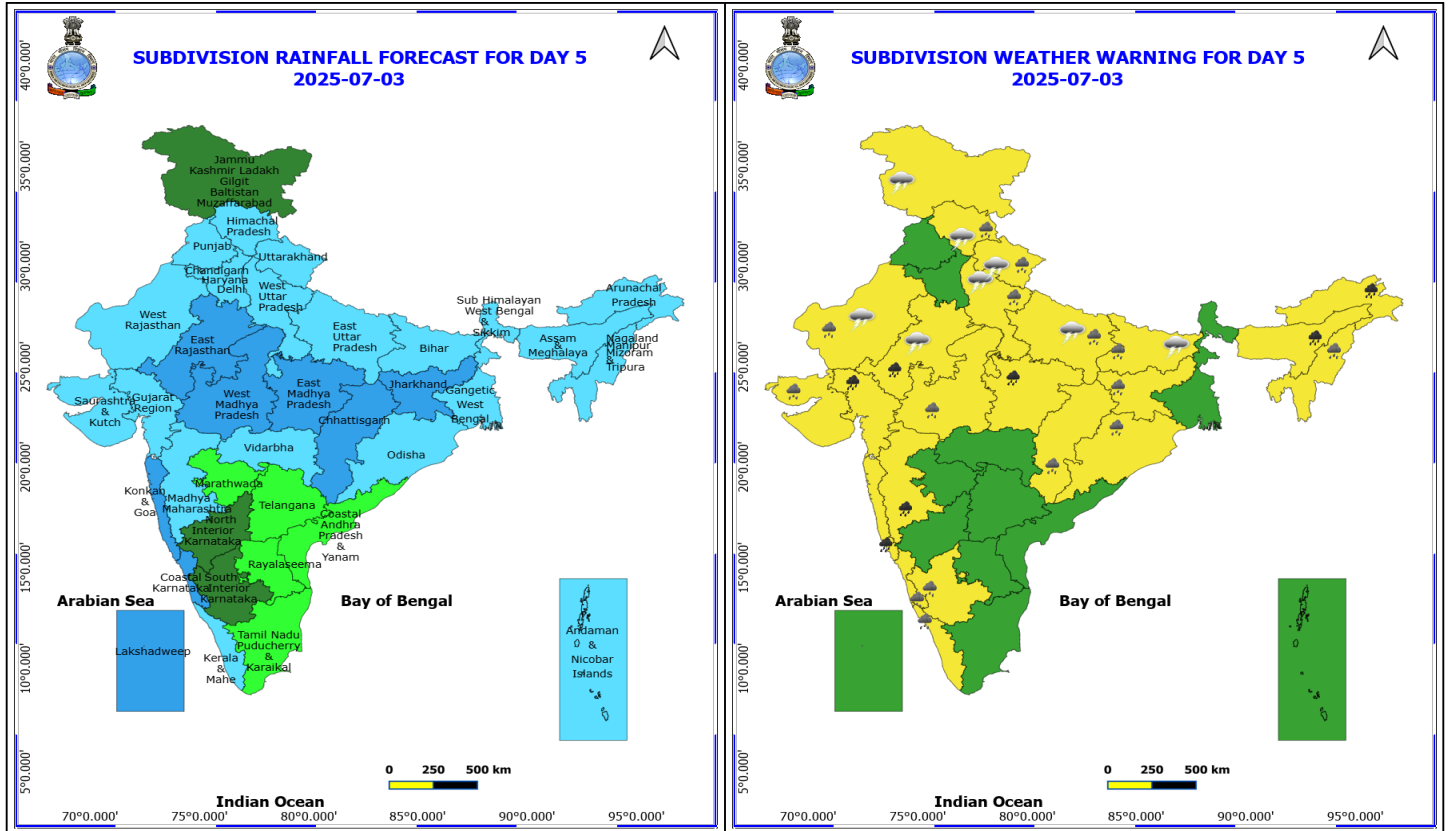
**For more details kindly visit <https://mausam.imd.gov.in> or contact 011-2434-4599**

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



❖ **Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over over most parts of eastcentral & adjoining areas of westcentral Arabian Sea, over most parts of northeast Arabian Sea, along and off Gujarat, north Konkan coasts.





### 3 July (Day 5)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, East Madhya Pradesh, East Rajasthan, Gujarat Region, Konkan & Goa and Madhya Maharashtra.
- ❖ **Heavy Rainfall** likely at isolated places over Bihar, Chhattisgarh, Coastal Karnataka, Himachal Pradesh, Jharkhand, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, Odisha, Saurashtra & Kutch, South Interior Karnataka, Uttar Pradesh, Uttarakhand, West Madhya Pradesh and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar and Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Himachal Pradesh, Uttar Pradesh and Uttarakhand.
- ❖ **Squally wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia, Oman & adjoining Yemen coasts, most parts of westcentral Arabian Sea & adjoining, most parts of eastcentral Arabian Sea, most parts of northeast Arabian Sea, many parts of northwest Arabian Sea, northern parts of southwest Arabian Sea.
- ❖ **Squally weather with wind speed 40 - 50 kmph gusting to 60 kmph** likely to prevail over few parts of central Bay of Bengal, north Bay of Bengal, along and off north Andhra Pradesh coast and south Odisha coast.
- ❖ **Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph** likely to prevail over over most parts of eastcentral & adjoining areas of westcentral Arabian Sea, over most parts of northeast Arabian Sea,

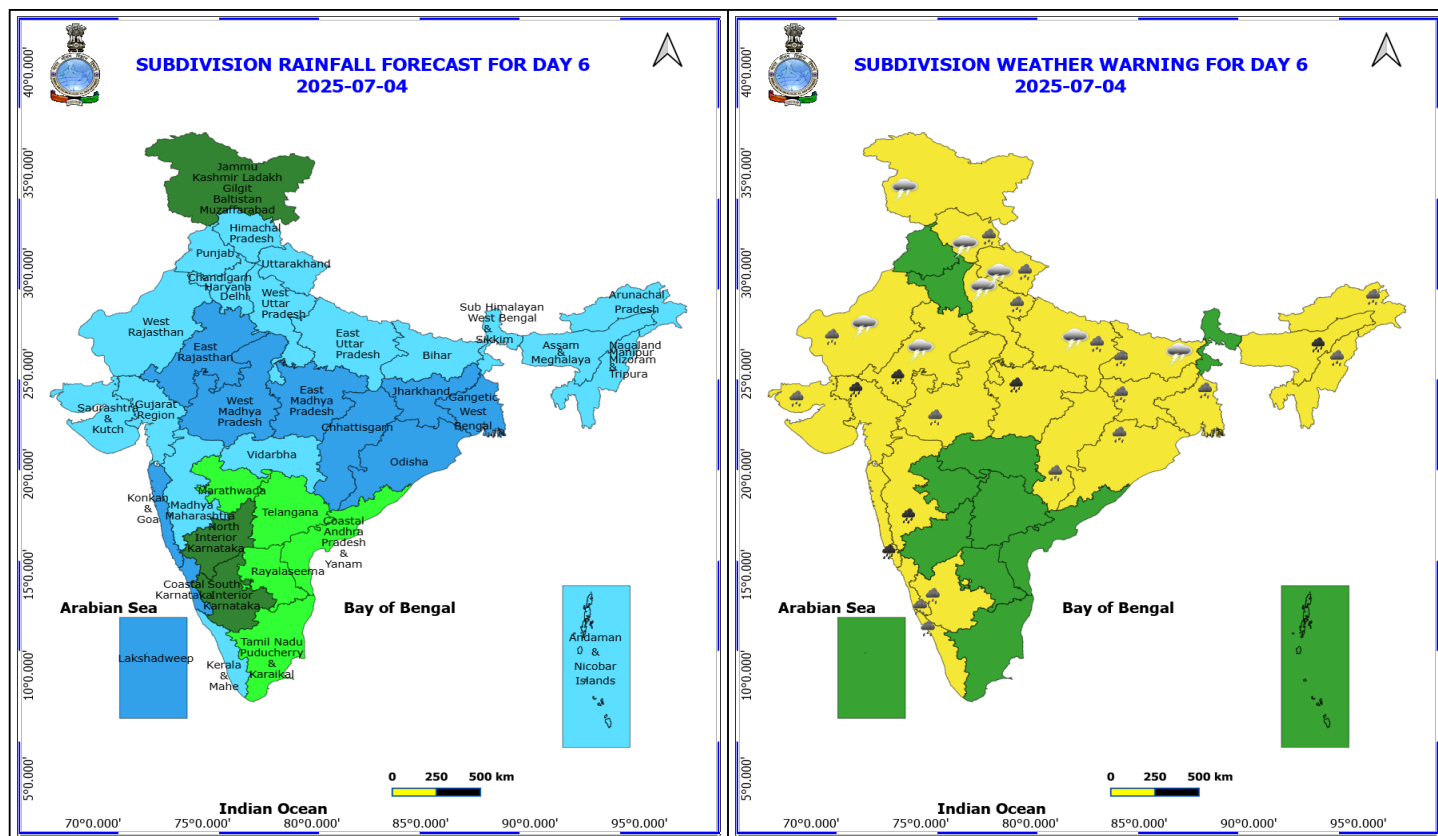
**\*Red color warning does not mean "Red Alert" Red color warning means "Take Action"**

**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)**

along and off Gujarat, north Konkan coasts.



#### 4 July (Day 6)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Assam & Meghalaya, East Madhya Pradesh, East Rajasthan, Gujarat Region, Konkan & Goa and Madhya Maharashtra.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Bihar, Chhattisgarh, Coastal Karnataka, Gangetic West Bengal, Himachal Pradesh, Jharkhand, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, Odisha, Saurashtra & Kutch, South Interior Karnataka, Uttar Pradesh, Uttarakhand, West Madhya Pradesh and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar and Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Himachal Pradesh, Uttar Pradesh and Uttarakhand.

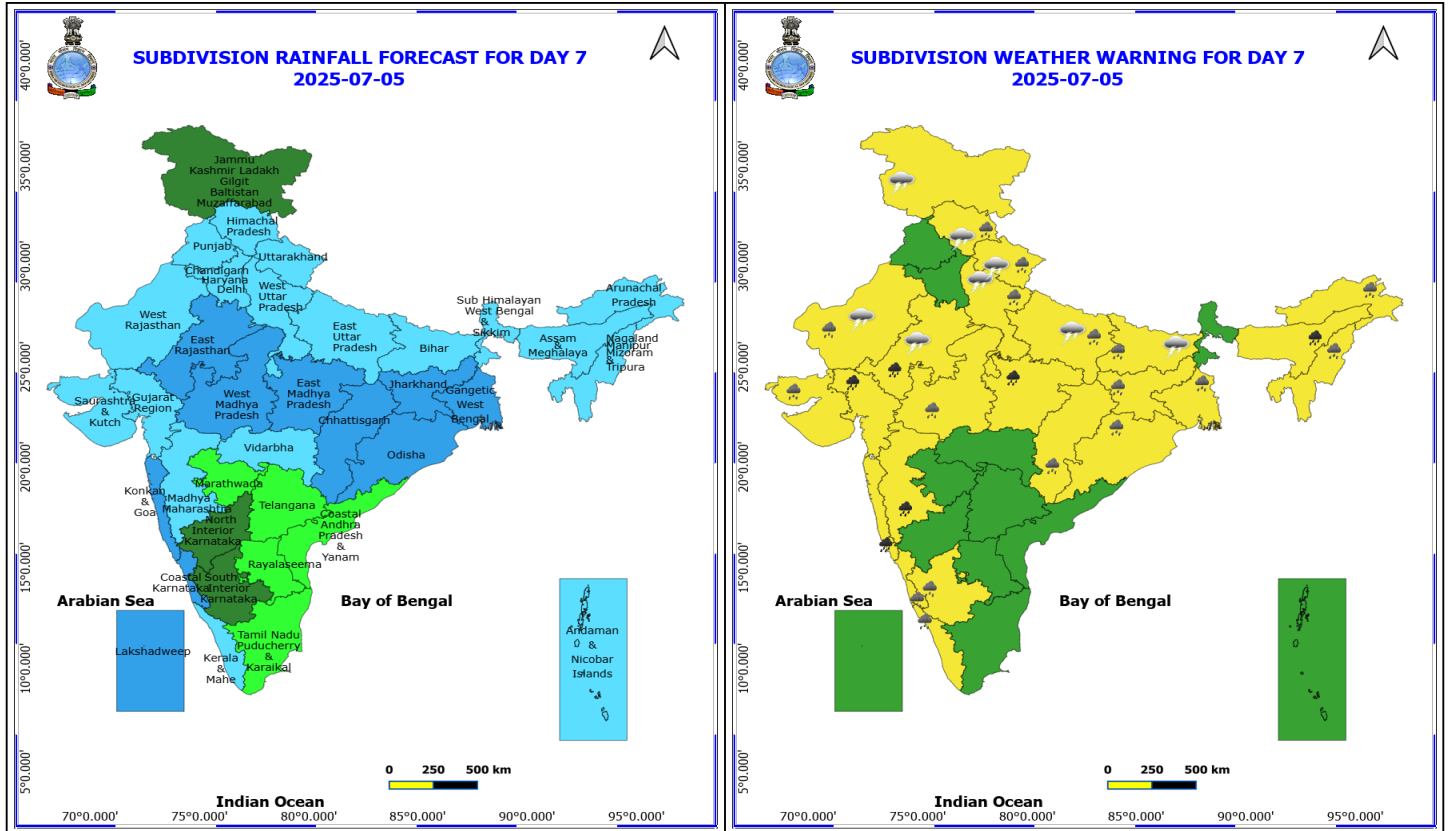
**No Fishermen Warning**

**\*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)



## 5 July (Day 7)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, East Madhya Pradesh, East Rajasthan, Gujarat Region, Konkan & Goa and Madhya Maharashtra.
- ❖ **Heavy Rainfall** likely at isolated places over Bihar, Chhattisgarh, Coastal Karnataka, Himachal Pradesh, Jharkhand, Kerala & Mahe, Nagaland, Manipur, Mizoram and Tripura, Odisha, Saurashtra & Kutch, South Interior Karnataka, Uttar Pradesh, Uttarakhand, West Madhya Pradesh and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar and Rajasthan.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Himachal Pradesh, Uttar Pradesh and Uttarakhand.

**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)



## Flash Flood Warnings

### 24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 30-06-2025 :

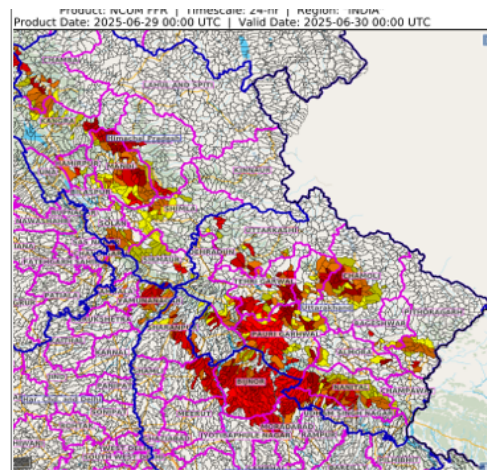
**Moderate to High flash flood risk** likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

**Himachal Pradesh** - Bilaspur, Chamba, Hamirpur, Kangra, Kullu, Mandi, Shimla, Sirmaur, Solan and Una districts.

**Uttarakhand** – Uttarakashi, Dehradun, Tehri Garhwal, Pauri Garhwal, Chamoli, Pithoragarh, Bageshwar, Champawat, Nainital, Udham Singh Nagar, Amora and Rudrapur districts.

**Adjoining West Uttar Pradesh** – Saharanpur, Haridwar, Muzaffarnagar, Bijnor, Moradabad, Rampur and Jyotibaphule Nagar districts.

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



### 24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 30-06-2025 :

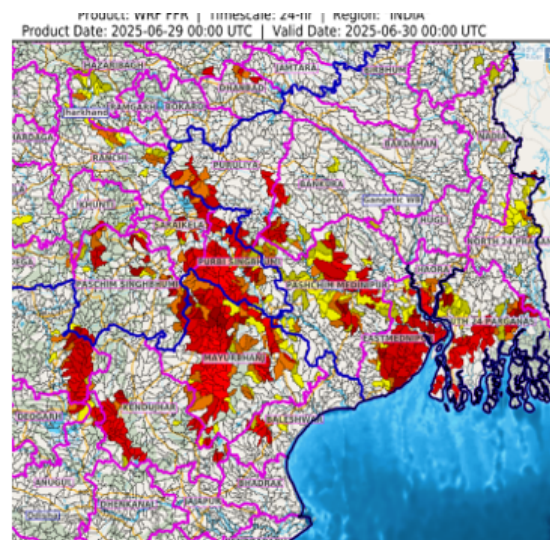
Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

**Gangetic West Bengal** – Purulita, Bankura, Pashchim Mednipur, East Mednipur, Haora, South 24 Paraganas, North 24 Paraganas and Nadia districts.

**Adjoining Odisha** – Baleshwar, Deogarh, Mayurbhanj, Sundergarh, Jharsuguda & Kendujhar districts.

**Adjoining Jharkhand** – Pashchim Singbhum, Purbi Singbhum, Ranchi, Gumla and Saraikela districts.

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



\*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	29- Jun	30- Jun	1- Jul	2- Jul	3- Jul	4- Jul	5- Jul
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WS	WS	WS	WS	FWS	FWS	FWS
2	ARUNACHAL PRADESH	SCT	FWS	FWS	FWS	FWS	FWS	FWS
3	ASSAM & MEHGHALAYA	FWS	FWS	FWS	FWS	FWS	FWS	FWS
4	N. M. M. & T.	FWS	FWS	FWS	FWS	FWS	FWS	FWS
5	S.H. WEST BENGAL & SIKKIM	FWS	WS	WS	WS	FWS	FWS	FWS
6	GANGETIC WEST BENGAL	WS	WS	WS	FWS	FWS	WS	WS
7	ODISHA	WS	WS	WS	FWS	FWS	WS	WS
8	JHARKHAND	WS	WS	WS	WS	WS	WS	WS
9	BIHAR	FWS	FWS	FWS	FWS	FWS	FWS	FWS
10	EAST UTTAR PRADESH	WS	WS	FWS	FWS	FWS	FWS	FWS
11	WEST UTTAR PRADESH	WS	WS	FWS	FWS	FWS	FWS	FWS
12	UTTARAKHAND	WS	WS	WS	FWS	FWS	FWS	FWS
13	HARYANA, CHD & DELHI	FWS	WS	WS	FWS	FWS	FWS	FWS
14	PUNJAB	FWS	WS	WS	FWS	FWS	FWS	FWS
15	HIMACHAL PRADESH	WS	WS	FWS	FWS	FWS	FWS	FWS
16	JAMMU AND KASHMIR AND LADAKH	SCT	SCT	SCT	SCT	SCT	SCT	SCT
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	SCT	FWS	FWS	FWS
18	EAST RAJASTHAN	SCT	SCT	FWS	FWS	WS	WS	WS
19	WEST MADHYA PRADESH	FWS	FWS	WS	WS	WS	WS	WS
20	EAST MADHYA PRADESH	FWS	FWS	WS	WS	WS	WS	WS
21	GUJRAT REGION	WS	WS	WS	WS	FWS	FWS	FWS
22	SAURASHTRA & KUTCH	WS	WS	WS	FWS	FWS	FWS	FWS
23	KONKAN & GOA	WS	WS	WS	WS	WS	WS	WS
24	MADHYA MAHARASHTRA	FWS	SCT	FWS	FWS	FWS	FWS	FWS
25	MARATHWADA	ISOL	ISOL	ISOL	SCT	ISOL	ISOL	ISOL
26	VIDARBHA	SCT	SCT	WS	WS	FWS	FWS	FWS
27	CHATTISGARH	FWS	WS	WS	WS	WS	WS	WS
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	ISOL	ISOL	SCT	SCT	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	WS	WS	WS	WS	WS	WS	WS
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
35	KERALA	WS	FWS	SCT	FWS	FWS	FWS	FWS
36	LAKSHDWEEP	FWS	SCT	SCT	FWS	WS	WS	WS

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 2025-06-29

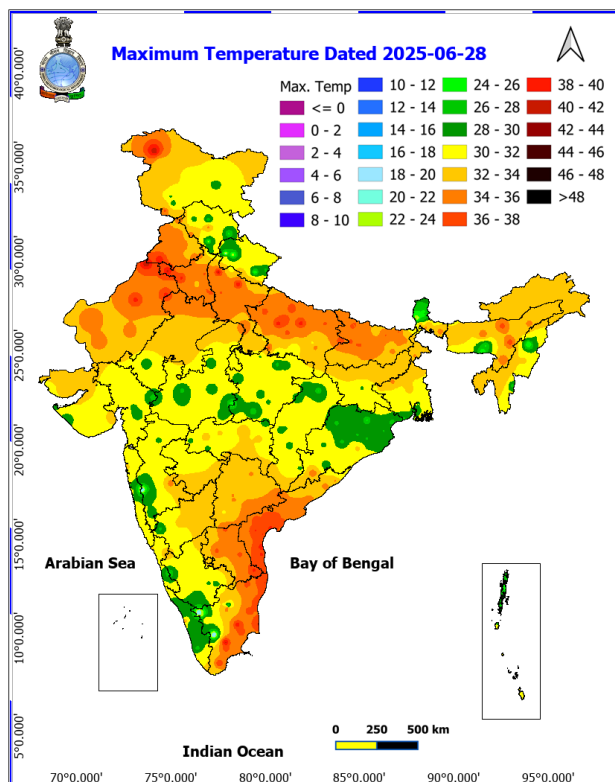


Fig. 2: Departure of Maximum Temp. Dated 2025-06-29

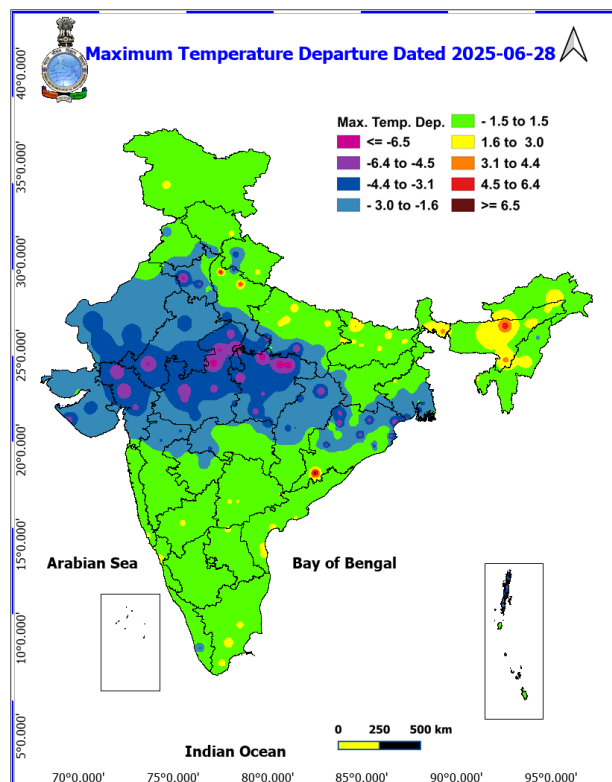


Fig. 3: Minimum Temperatures Dated 2025-06-29

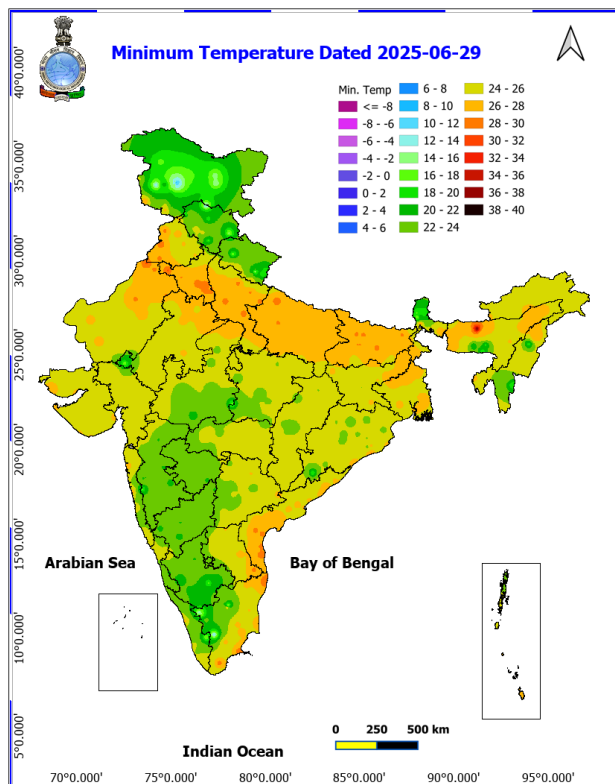
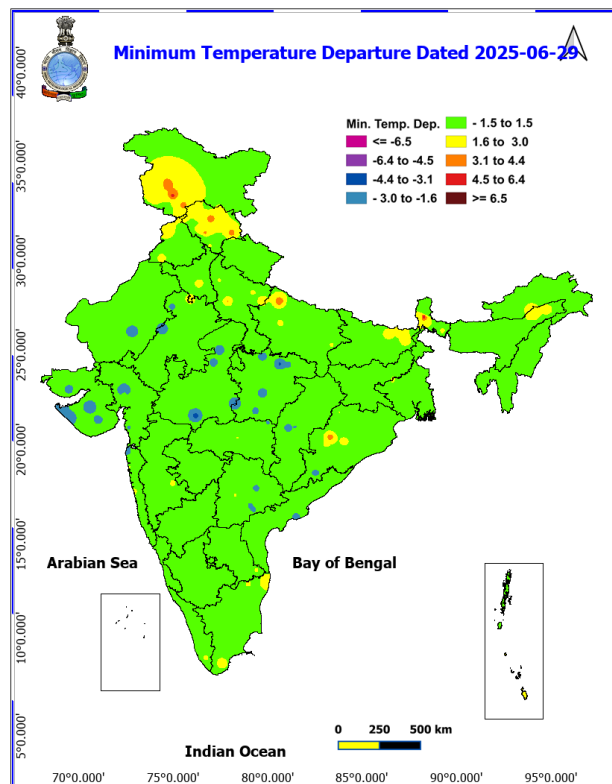
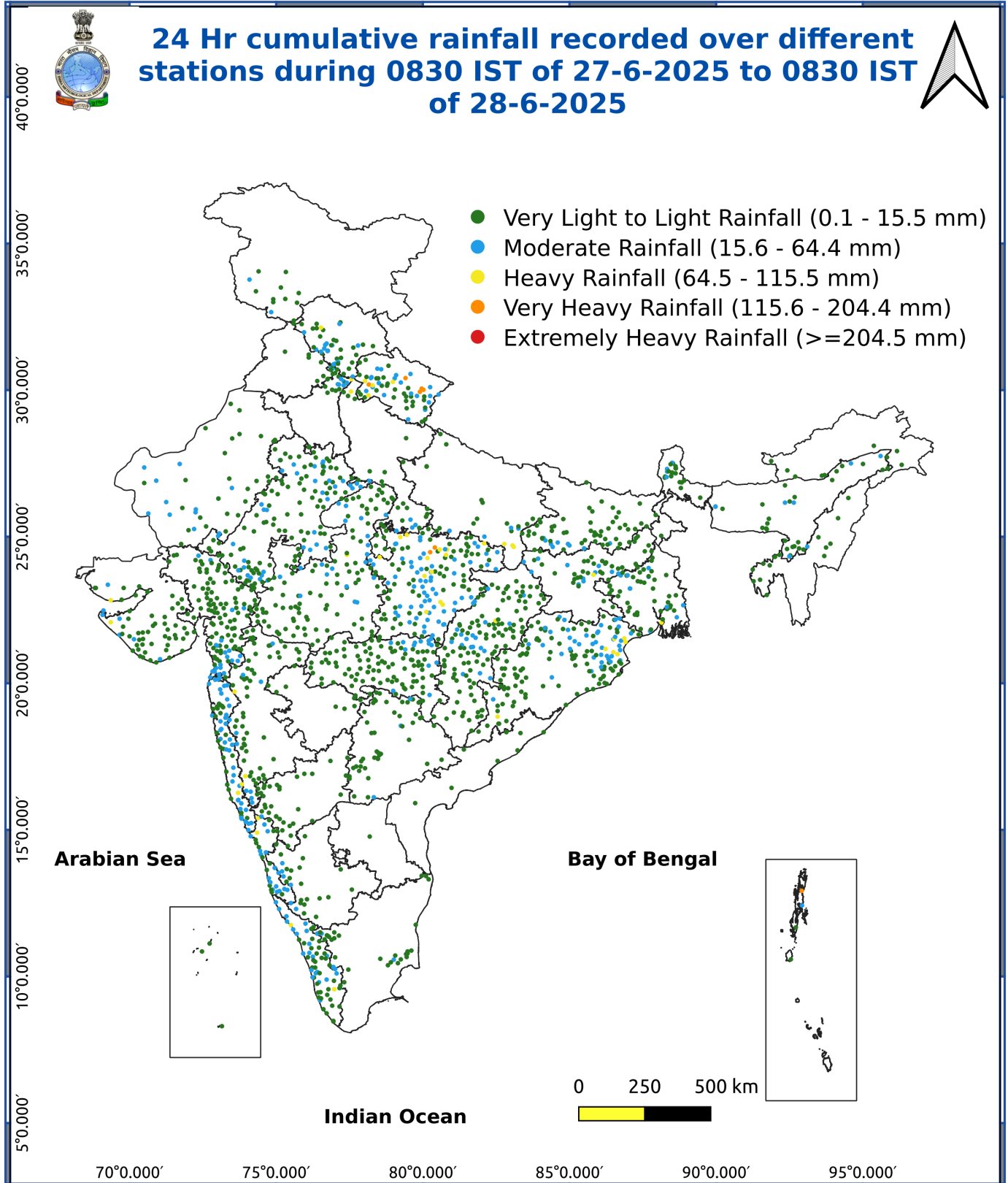


Fig. 4: Departure of Minimum Temp. Dated 2025-06-29







\*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)



- **Extremely heavy rainfall (>20 cm/24 hours) likely at isolated places over Uttarakhand and Uttar Pradesh on 30<sup>th</sup> June.**
- **Heavy to very heavy rainfall** at isolated places over Konkan & Goa, Ghat areas of Madhya Maharashtra, Gujarat state during next 7 days; Himachal Pradesh, Gangetic West Bengal on 29<sup>th</sup> & 30<sup>th</sup> June; Uttarakhand during 29<sup>th</sup> June-02<sup>nd</sup> July; Punjab on 29<sup>th</sup> June; Haryana, Chandigarh on 29<sup>th</sup> & 30<sup>th</sup> June; Uttar Pradesh on 29<sup>th</sup> June, 01<sup>st</sup> & 02<sup>nd</sup> July; East Rajasthan on 03<sup>rd</sup> & 04<sup>th</sup> July; West Madhya Pradesh on 01<sup>st</sup> & 02<sup>nd</sup> July; during 01<sup>st</sup>-04<sup>th</sup> July; Nagaland & Chhattisgarh on 01<sup>st</sup> & 02<sup>nd</sup> July; Bihar during 29<sup>th</sup> June-02<sup>nd</sup> July; Jharkhand during 29<sup>th</sup> June-01<sup>st</sup> July; Odisha during 29<sup>th</sup> June-01<sup>st</sup> July; Arunachal Pradesh on 02<sup>nd</sup> & 03<sup>rd</sup> July; Assam & Meghalaya during 02<sup>nd</sup>-04<sup>th</sup> July.

#### Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides/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.

#### Agromet advisories for various parts of the country

- In **Uttarakhand**, postpone sowing of rice nursery. Ensure proper drainage facilities in pigeon pea, groundnut, maize, sugarcane, barnyard millet, finger millet, already sown rice nurseries, kidney beans, blackgram, green gram, vegetable and orchards. Harvest mature vegetables (pumpkin, tomato, okra, chilli, French bean etc.) and fruits and store in safe place. Tie the sugarcane plants together to avoid lodging. In **Bhabar and Tarai Zone of Uttarakhand**, postpone sowing of rice nurseries, soybean, kidney beans, blackgram and green gram. Keep the harvested produce of spring maize in safe place.
- In **Himachal Pradesh**, provide drainage in the fields of vegetables and fruit orchards. Remove weeds and lower leaves from tomato plants to reduce the occurrence of soil-borne diseases. Strengthen the support for creepers and tall vegetable crops (tomato, capsicum etc.). Harvest matured fruits of plum, pear, stone fruit and keep in safe places to minimize losses due to heavy rains. In **mandi district** postpone sowing of maize and transplanting of rice. Drain out excess water from rice nurseries and already sown maize field.
- **West Uttar Pradesh**, postpone sowing of maize. Drain out excess water from already sown maize, rice nurseries, vegetables, pigeon pea and sugarcane. Tie the sugarcane plants together to avoid lodging. **East Uttar Pradesh**, postpone sowing of pigeon pea and black gram. Drain out excess water from vegetables, late sown rice nurseries ground nut green gram and maize.
- **Punjab** - Drain out excess water from cotton, maize fields and orchards.
- In **Chhattisgarh**, ensure proper drainage in rice nurseries.
- In **Jharkhand**, make necessary arrangements to drain out excess water from already sown maize fields, rice and vegetable nurseries.
- In **Gujarat** make necessary arrangements to drain out excess water in already sown rice nurseries, sugarcane fields, banana and mango plantations to prevent waterlogging. Provide support to sugarcane and banana to prevent lodging. In **Saurashtra & Kutch**, Drain out excess rain water from vegetable nurseries and horticultural

\*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)

plantations. Undertake propping in sugarcane with strong bamboo or tie the leaves together in a clump to protect against wind and heavy rain.

- In **Konkan & Goa** make arrangements to drain out excess water from rice nurseries, fields of finger millet, groundnut and orchards to prevent waterlogging. In **ghat areas of Madhya Maharashtra**, drain out excess water from rice nurseries, vegetables and orchards to prevent waterlogging.
- In **West Madhya Pradesh**, postpone harvesting of maize. Postpone sowing of pearl millet, soybean, pigeon pea and paddy nurseries. Make necessary arrangements to drain out excess water from vegetables and orchards to avoid waterlogging. In **East Madhya Pradesh**, keep the harvested produce of maize, green gram and black gram in safe places. Ensure proper drainage in already sown / transplanted fields.
- In **Odisha**, ensure proper drainage from already sown rice nurseries, fields of maize and vegetables to prevent waterlogging. Cover rice and vegetable nurseries with plastic sheets to prevent washing away of seeds.
- **Gangetic West Bengal** - Make necessary arrangements for draining out excess water from rice nursery and ginger avoid water stagnation.
- In **Kerala**, ensure proper drainage facilities in rice nurseries, transplanted rice fields, coconut and banana plantations to prevent water logging. Undertake propping in banana to protect the plants from heavy rains.

#### Livestock / Fishery

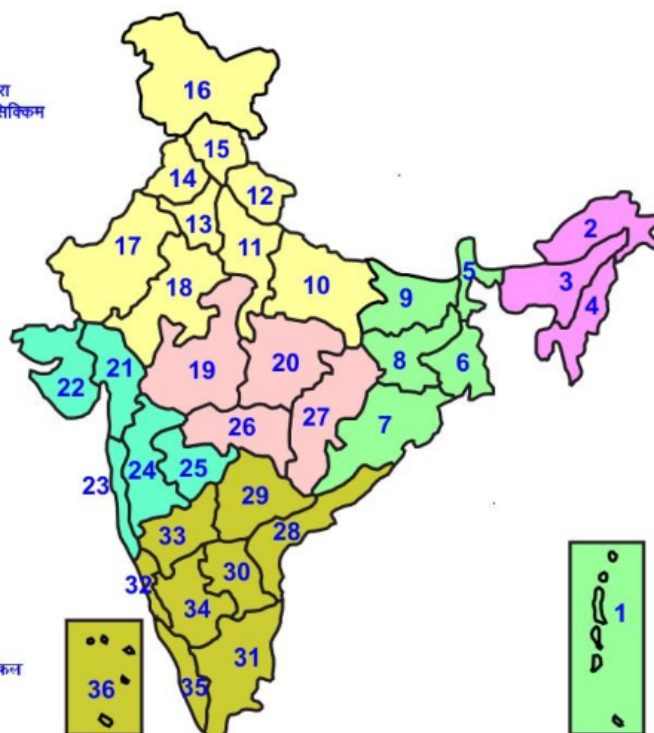
- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

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

## 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

\*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

<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)

\*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)