

2026-07-30

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

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather System:

The **Deep Depression** over central parts of Chhattisgarh & adjoining north interior Odisha moved westwards with a speed of 8 kmph during past 6 hours, and lay centred at 1730 hrs IST of today, the 29th July 2026, over central parts of Chhattisgarh near latitude 21.9°N and longitude 82.3°E, about 30 km south-southeast of Bilaspur (Chhattisgarh), 40 km west-southwest of Champa (Chhattisgarh), 100 km northeast of Raipur (Chhattisgarh), 130 km northeast of Durg, 220 east-northeast of Gondia (Maharashtra), and 170 km east of Malanjkhanda (Madhya Pradesh). It is very likely to move nearly westwards across Chhattisgarh, east Madhya Pradesh & adjoining Vidarbha and weaken gradually into a depression during next 24 hours.

Weather forecast and Warnings:

Northwest India:

- **Fairly Widespread to Widespread** rainfall likely over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand during 30th July-4th August.
- **Fairly Widespread to Widespread** rainfall likely over Haryana Chandigarh & Delhi and Punjab during 30th July-4th August; West Uttar Pradesh during 1st-4th August; East Uttar Pradesh during 2nd-4th August; West Rajasthan during 31st July-2nd August; East Rajasthan during 30th July-3rd August.
- **Isolated to Scattered** rainfall likely over West Uttar Pradesh on 30th-31st July; East Uttar Pradesh during 30th July-1st August; West Rajasthan on 30th July and during 3rd-4th August; East Rajasthan on 4th August.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 30th July-4th August.
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over East Rajasthan and West Rajasthan during 30th July-4th August.
- **Isolated heavy rainfall** likely over Haryana Chandigarh & Delhi and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 30th July-4th August; Himachal Pradesh and Punjab during 1st-4th August; Uttarakhand during 31st July-4th August; West Uttar Pradesh during 2nd-4th August; East Rajasthan and East Uttar Pradesh during 2nd-4th August; West Rajasthan during 30th-31st July and during 2nd-3rd August with isolated **very heavy rainfall** also likely over Himachal Pradesh and Punjab during 30th-31st July; Uttarakhand on 30th July; West Rajasthan on 1st August; East Rajasthan during 30th July-1st August.

Central India:

- **Fairly Widespread to Widespread** rainfall likely over East Madhya Pradesh and West Madhya Pradesh during 30th July-2nd August; Vidarbha during 30th July-1st August and on 4th August; Chhattisgarh on 30th July and during 1st-4th August.
- **Isolated to Scattered** rainfall likely over East Madhya Pradesh and West Madhya Pradesh during 3rd-4th August; Vidarbha during 2nd-3rd August; Chhattisgarh on 31st July..
- **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Vidarbha and West Madhya Pradesh on 30th July, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over West Madhya Pradesh during 31st July-2nd August; East Madhya Pradesh during 30th July-2nd August.
- **Isolated thunderstorm & lightning** likely over Vidarbha during 31st July-1st August; Chhattisgarh during 30th July-2nd August.
- **Isolated heavy rainfall** likely over West Madhya Pradesh during 30th July-1st August; East Madhya Pradesh on 31st July; Vidarbha on 31st July; Chhattisgarh on 30th July and during 2nd-4th August with isolated **very heavy rainfall** also likely over East Madhya Pradesh and Vidarbha on 30th July.
- **Heavy to very heavy rainfall at few places with extremely heavy rainfall likely at isolated places over West Madhya Pradesh, Vidarbha on 30th July.**

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East India:

- **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands, Gangetic West Bengal and Sub-Himalayan West Bengal & Sikkim during 30th July-4th August; Jharkhand during 1st-4th August; Bihar during 31st July-4th August; Odisha on 30th July and during 3rd-4th August.
- **Isolated to Scattered** rainfall likely over Jharkhand during 30th-31st July; Bihar on 30th July; Odisha during 31st July-2nd August.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Andaman & Nicobar Islands during 30th July-4th August, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Gangetic West Bengal on 30th July; Jharkhand and Odisha during 30th July-2nd August; Bihar during 30th July-4th August.
- Isolated **heavy rainfall** likely over Andaman & Nicobar Islands and Odisha during 2nd-4th August; Sub-Himalayan West Bengal & Sikkim on 1st August and on 4th August; Gangetic West Bengal on 4th August; Jharkhand on 2nd August; Bihar during 31st July-4th August with isolated **very heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim during 30th-31st July and during 2nd-3rd August.

Northeast India:

- **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh during 30th July-2nd August; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 30th July-4th August.
- **Isolated to Scattered** rainfall likely over Arunachal Pradesh during 3rd-4th August.
- Isolated **thunderstorm & lightning** likely over Arunachal Pradesh on 30th-31st July; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 30th July-2nd August.
- Isolated **heavy rainfall** likely over Arunachal Pradesh during 3rd-4th August; Assam & Meghalaya during 1st-4th August; Nagaland, Manipur, Mizoram & Tripura during 30th July-4th August with isolated **very heavy rainfall** also likely over Arunachal Pradesh during 30th July-2nd August; Assam & Meghalaya during 30th-31st July.

West India:

- **Fairly Widespread to Widespread** rainfall likely over Konkan & Goa during 30th July-4th August; Madhya Maharashtra during 29th-31st July; Marathawada on 30th July; Gujarat Region during 30th July-2nd August; Saurashtra & Kutch during 31st July-2nd August.
- **Isolated to Scattered** rainfall likely over Madhya Maharashtra during 1st-4th August; Marathawada during 31st July-4th August; Gujarat Region during 3rd-4th August; Saurashtra & Kutch on 30th July and during 3rd-4th August.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Konkan & Goa, Madhya Maharashtra and Marathawada on 30th-31st July.
- Isolated **thunderstorm & lightning** likely over Gujarat Region and Saurashtra & Kutch during 30th July-1st August.
- Isolated **heavy rainfall** likely over Konkan & Goa during 1st-3rd August; Madhya Maharashtra during 1st-3rd August; Gujarat Region on 31st July; Saurashtra & Kutch on 1st August with isolated **very heavy rainfall** also likely over Konkan & Goa during 30th-31st July; Madhya Maharashtra on 30th-31st July; Marathawada on 30th July; Gujarat Region on 30th July and on 1st August; Saurashtra & Kutch on 31st July.
- **Heavy to very heavy rainfall at few places with extremely heavy rainfall likely at isolated places over Madhya Maharashtra on 30th and Gujarat Region on 31st July.**

South Peninsular India:

- **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, Rayalaseema, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal during 30th July-4th August; North Interior Karnataka and Telangana during 31st July-4th August.
- **Fairly Widespread to Widespread** rainfall likely over Coastal Karnataka, Kerala & Mahe and Lakshadweep during 30th July-4th August; North Interior Karnataka and Telangana on 30th July.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 30th July-1st August; Kerala & Mahe and Lakshadweep during

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30th July-2nd August; North Interior Karnataka and South Interior Karnataka on 30th-31st July; Coastal Andhra Pradesh & Yanam during 30th July-2nd August, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Karnataka on 30th-31st July; North Interior Karnataka and South Interior Karnataka during 1st-2nd August; Telangana during 31st July-4th August.

- Isolated **heavy rainfall** likely over Lakshadweep and Tamil Nadu, Puducherry & Karaikal during 30th July-1st August; Kerala & Mahe on 2nd August; Coastal Karnataka and South Interior Karnataka on 1st August; North Interior Karnataka during 30th July-1st August; Isolated **very heavy rainfall** also likely over Kerala & Mahe during 30th July-1st August; Coastal Karnataka and South Interior Karnataka during 30th-31st July; Telangana on 30th July.
- **Heavy to very heavy rainfall at few places with extremely heavy rainfall likely at isolated places over Telangana on 30th July.**
- Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam, Kerala & Mahe, Lakshadweep, North Interior Karnataka, Rayalaseema and South Interior Karnataka during 30th July-2nd August; Coastal Karnataka on 30th-31st July.

Wind Warning:

- Squally winds with speed reaching 30-40 kmph gusting to 50 kmph is very likely to prevail over Northwest Bay of Bengal & adjoining Odisha-West Bengal coasts till evening of 29th July and decrease gradually thereafter.
- Squally winds with speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail over North Chhattisgarh & adjoining areas of interior Odisha till morning of 30th July and decrease gradually thereafter.

Sea Condition:

- **Sea condition is very likely to be rough to moderate** over northwest Bay of Bengal and along & off Odisha, & West Bengal, and Andhra Pradesh coasts till evening of 29th July. It is likely to improve gradually thereafter.

Fishermen Warning

- Fishermen are advised not to venture into northwest Bay of Bengal and along & off Odisha, West Bengal & north Andhra Pradesh coasts till evening of 29th July.

Main Weather Observations:

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

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Chhattisgarh**: Jagdalpur (dist Bastar) 13; **Telangana**: Ramgundam (dist Peddapalli) 8; **Uttarakhand**: Dehra Dun-mokampur (dist Dehradun) 4; **Assam & Meghalaya**: Cherrapunji (dist East Khasi Hills), Guwahati (dist Kamrup Metropolitan) 4 Each, North Lakhimpur (dist Lakhimpur) 3; **Punjab**: Chandigarh (dist Chandigarh) 4; **Gangetic West Bengal**: Kolkata (dum Dum) AP (dist North 24 Parganas) 3; **Odisha**: Jharsuguda (dist Jharsuguda) 3; **North Interior Karnataka**: Kalaburgi (dist Kalaburagi) 3; **West Rajasthan**: Sriganganagar (dist Sri Ganganagar) 3; **Arunachal Pradesh**: Itanagar (dist Papum Pare) 2; **East Rajasthan**: Jaipur (dist Jaipur) 2; **West Uttar Pradesh**: Jhansi (dist Jhansi) 2.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0530 hours IST of today): **Heavy to very heavy rain** at isolated places over Chhattisgarh **Heavy rain** at a few places over Telangana.

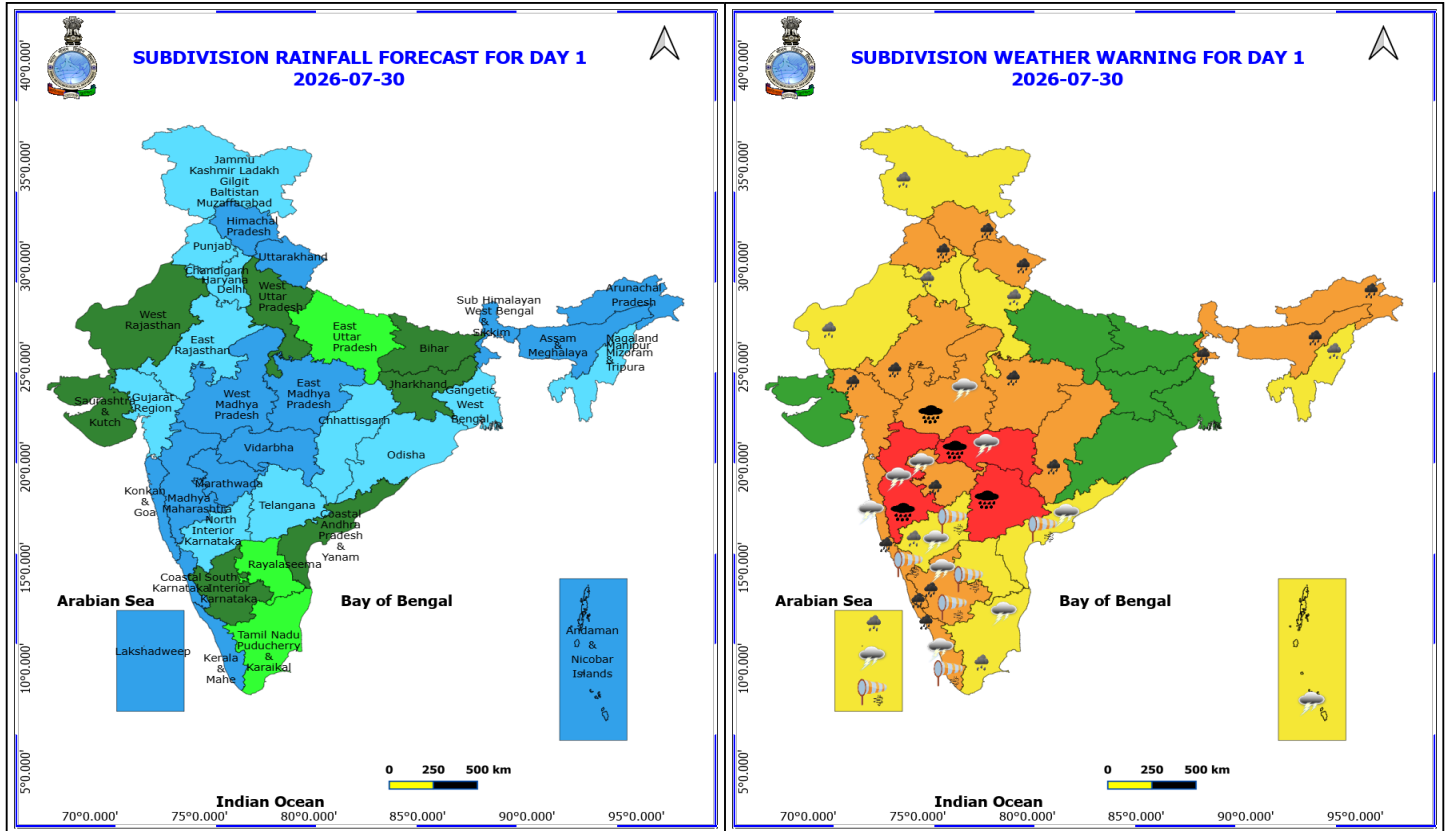
❖ **Minimum Temperature Departures (as on 29-07-2026): markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Bihar, East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh, West Madhya Pradesh, East Madhya Pradesh and Saurashtra & Kutch. **appreciably above normal(3.1°C to 5.0°C)** at few places over Rayalaseema; at isolated places over Andaman & Nicobar Islands, West Rajasthan, Konkan & Goa, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. **above normal(1.6°C to 3.0°C)** at many places over Uttarakhand; at most places over Lakshadweep; at few places over Arunachal Pradesh, Coastal Karnataka and Kerala & Mahe; at isolated places over Gangetic West Bengal, Odisha, Haryana-Chandigarh-Delhi, Punjab, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, Gujarat Region, Marathwada and Vidarbha. **near normal(-1.5°C to 1.5°C)** at many places over Telangana; at most places over Jharkhand, Chhattisgarh, North Interior Karnataka and South Interior Karnataka. **The lowest minimum temperature** of 17.5°C was reported at BOUDH (ORISSA) over the Plains of India.

❖ **Maximum Temperature Departures (as on 29-07-2026): appreciably above normal(3.1°C to 5.0°C)** at few places over Tamil Nadu, Puducherry & Karaikal. **near normal(-1.5°C to 1.5°C)** at most places over Himachal Pradesh; at few places over East Uttar Pradesh and West Uttar Pradesh. **The highest maximum temperature** of 40.4°C was reported at MADURAI (A) (TAMIL NADU).



Meteorological Analysis (Based on 0530 hours IST)

- The **Deep Depression** over Western parts of central Chhattisgarh and adjoining east Madhya Pradesh remained practically stationary during past 6 hours, and lay centred at 0530 hrs IST of today, the 30th July 2026, over the same region near latitude 21.9°N and longitude 81.4°E, about 70 km east of Malanjkhand (Madhya Pradesh), 80 km north of Durg (Chhattisgarh), 80 km west-southwest of Bilaspur (Chhattisgarh), 80 km north-northwest of Raipur (Chhattisgarh), and 130 km east-northeast of Gondia (Maharashtra). It is very likely to move nearly westwards across Chhattisgarh, east Madhya Pradesh & adjoining Vidarbha and weaken gradually into a depression during next 12 hours.
- The **Monsoon trough** at mean sea level continues to pass through Bikaner, Kota, Guna, Sagar, centre of **Deep Depression** over Western parts of central Chhattisgarh and adjoining east Madhya Pradesh, Gopalpur thence southeastwards towards Central parts of Bay of Bengal and extends upto 1.5 km above mean sea level.
- The **east-west shear** zone now runs roughly along latitude 21°N across central & adjoining north peninsular India between 3.1 & 7.6 km above mean sea level tilting southwards with height.
- The **Western Disturbance** as a cyclonic circulation over North Pakistan & adjoining Jammu division now lies over Punjab & neighbourhood at 5.8 km above mean sea level.
- The **upper air cyclonic circulation** over northeast Assam now lies over central Assam at 1.5 km above mean sea level.



30 July (Day 1)

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

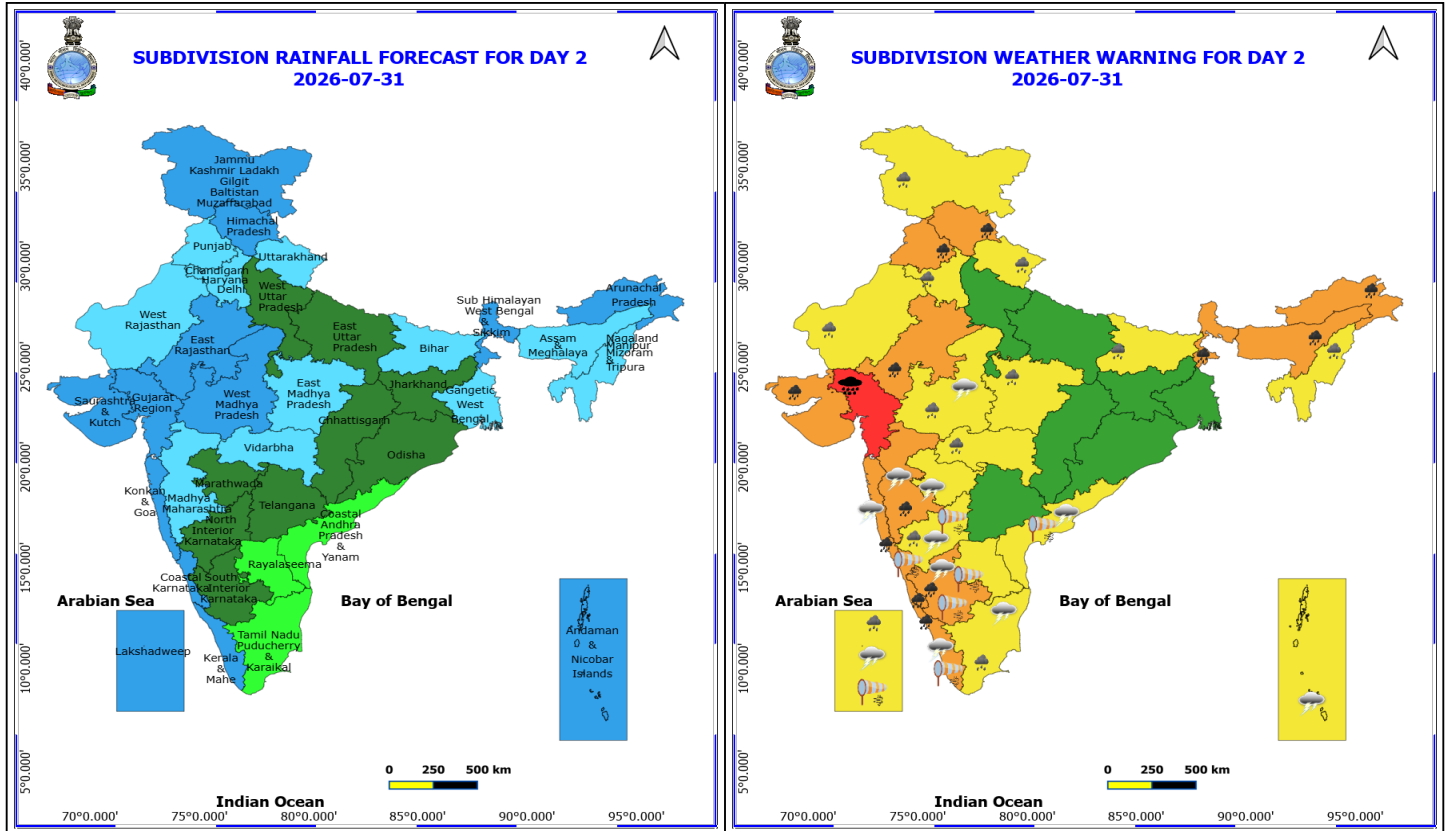
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- ❖ **Arabian Sea: Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail over most parts of central adjoining some parts of southwest and few parts of northwest Arabian Sea and along and off Somalia and Oman Coasts.
- ❖ **Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail along and off South Gujarat, Konkan & Goa, Karnataka, Kerala coasts, Lakshadweep area and adjoining sea areas.
- ❖ **Bay of Bengal: Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail over few parts of Gulf of Mannar, southwest Bay of Bengal adjoining south Sri Lanka coasts.



31 July (Day 2)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** very likely at isolated places over Gujarat Region.
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Coastal Karnataka, East Rajasthan, Himachal Pradesh, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Punjab, Saurashtra & Kutch, South Interior Karnataka and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** very likely at isolated places over Bihar, Haryana, Chandigarh & Delhi, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Lakshadweep, Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura, North Interior Karnataka, Tamil Nadu Puducherry & Karaikal, Uttarakhand, Vidarbha and West Rajasthan.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andaman & Nicobar Islands, Coastal Andhra Pradesh, Interior Karnataka, Kerala & Mahe, Konkan & Goa, Lakshadweep, Madhya Maharashtra, Marathwada, Tamil Nadu Puducherry & Karaikal and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Bihar, Coastal Karnataka, East Madhya Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Odisha, Rajasthan and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Gujarat State, Nagaland, Manipur, Mizoram and Tripura, Uttarakhand and Vidarbha.
- ❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh, Karnataka, Kerala & Mahe and Lakshadweep.
- ❖ **Arabian Sea: Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off

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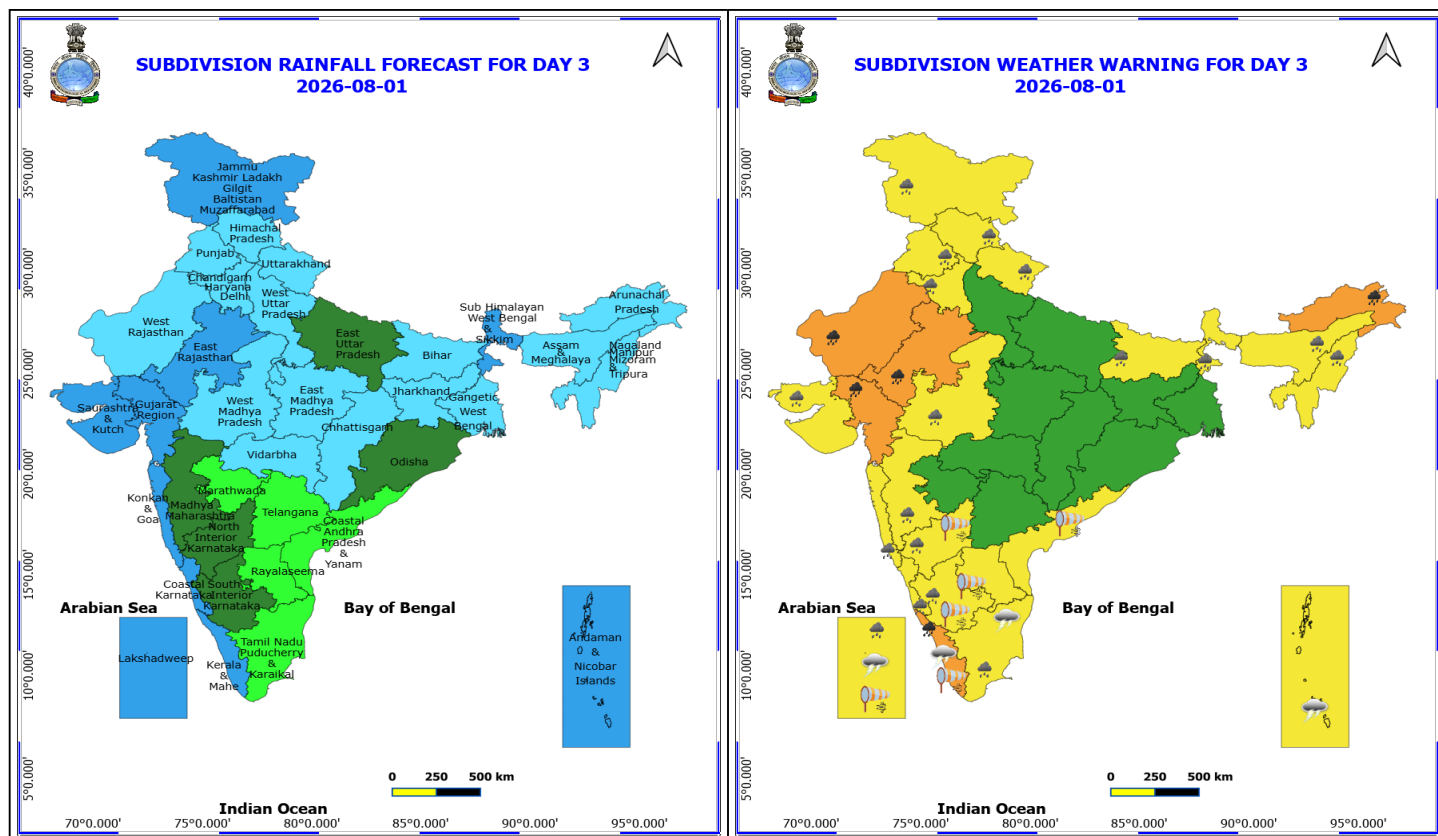
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Somalia and Oman coasts, over most parts of central adjoining some parts of southwest & few parts of northwest Arabian Sea.

❖ **Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail along and off south adjoining north **Gujarat**, Konkan & Goa, Karnataka, Kerala coasts, Lakshadweep area & adjoining sea areas.



1 August (Day 3)

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

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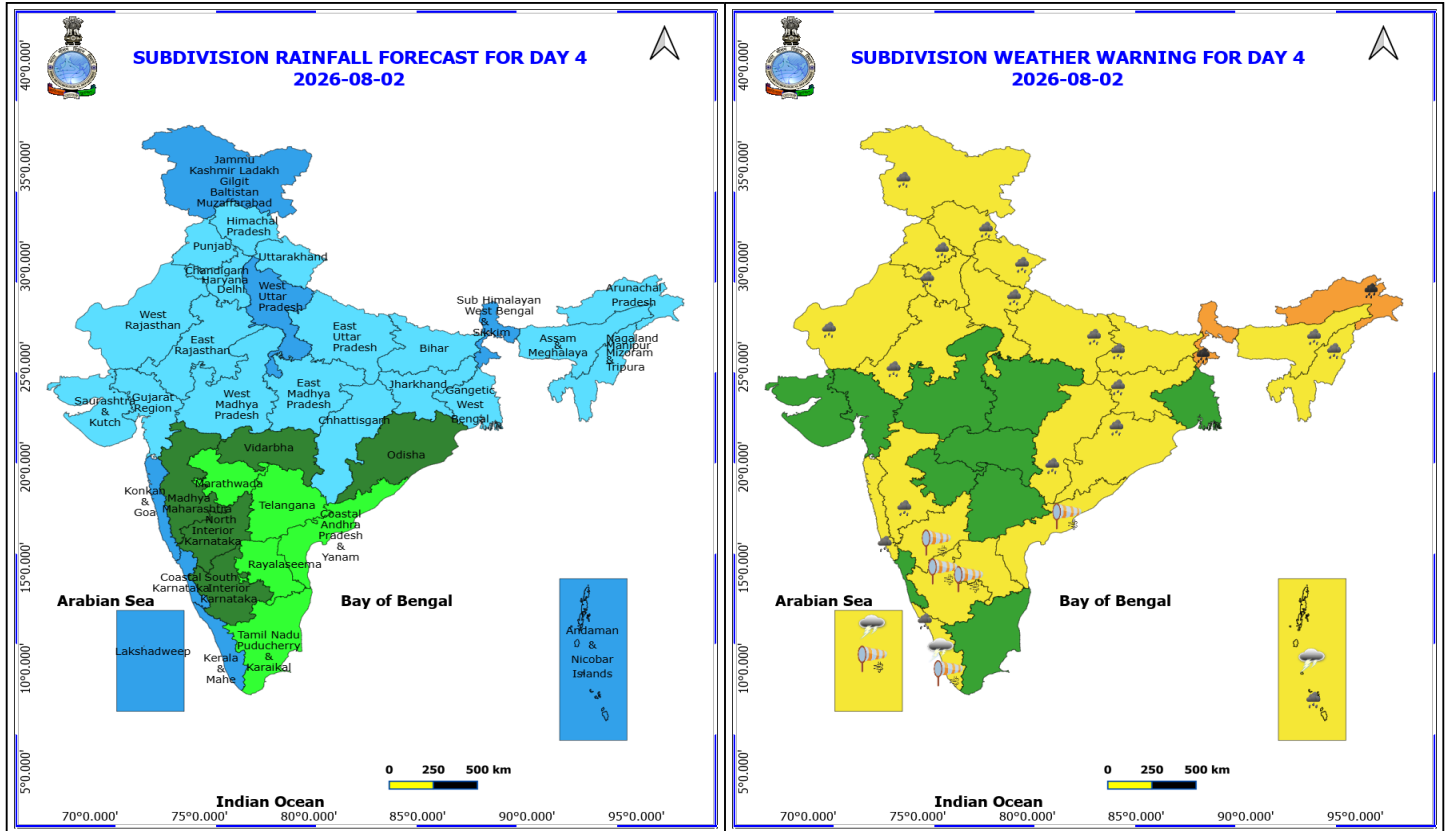
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❖ **Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail along and off south adjoining north Gujarat, Karnataka, Kerala coasts, Lakshadweep area, Comorin area and adjoining sea areas.

❖ **Bay of Bengal: Squally weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail along & off south Sri Lanka coast adjoining few parts of southwest Bay of Bengal and over Gulf of Mannar.



2 August (Day 4)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Arunachal Pradesh and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Bihar, Chhattisgarh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Odisha, Punjab, Rajasthan, Uttar Pradesh and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Kerala & Mahe and Lakshadweep.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Interior Karnataka, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Jharkhand, Odisha, Rajasthan, Telangana and West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Assam & Meghalaya, Chhattisgarh, East Madhya Pradesh, Nagaland, Manipur, Mizoram and Tripura and Uttarakhand.
- ❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh, Interior Karnataka, Kerala & Mahe and Lakshadweep.
- ❖ **Arabian Sea: Squally wind with speed 45-55 kmph gusting to 65 kmph** is likely to prevail along and off Somalia and Oman coasts, over most parts of westcentral adjoining some parts of eastcentral, southwest and few parts of north Arabian Sea.
- ❖ **Squally Weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail along and off Karnataka,

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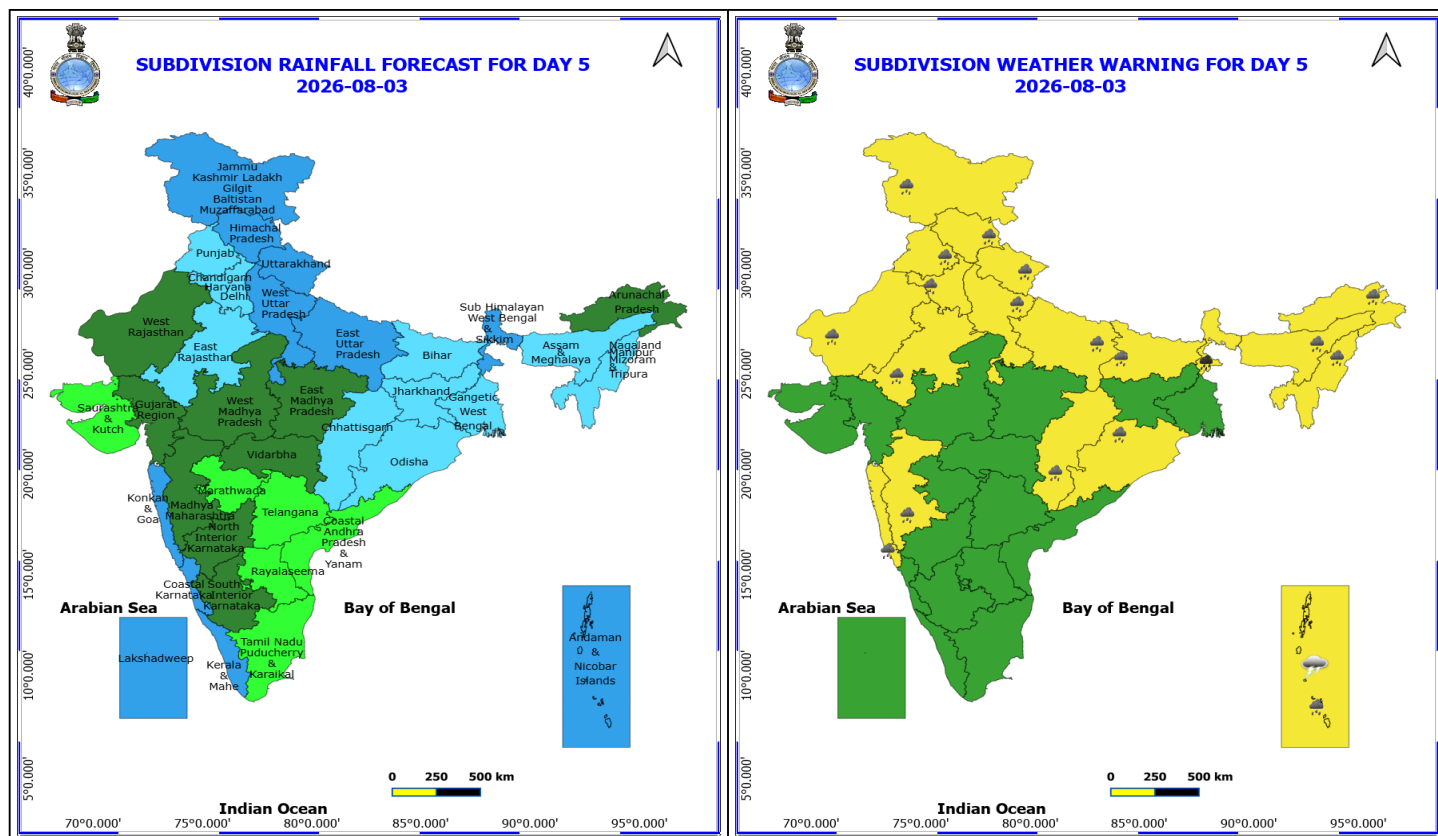
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Kerala coasts, Lakshadweep area, Comorin area and adjoining sea areas.

❖ **Bay of Bengal: Squally weather with wind speed 40-50 kmph gusting to 60 kmph** is likely to prevail along & off south Sri Lanka coast adjoining few parts of southwest Bay of Bengal, over Gulf of Mannar.



3 August (Day 5)

- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura, Odisha, Punjab, Rajasthan, Uttar Pradesh and Uttarakhand.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Rajasthan and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Uttarakhand.

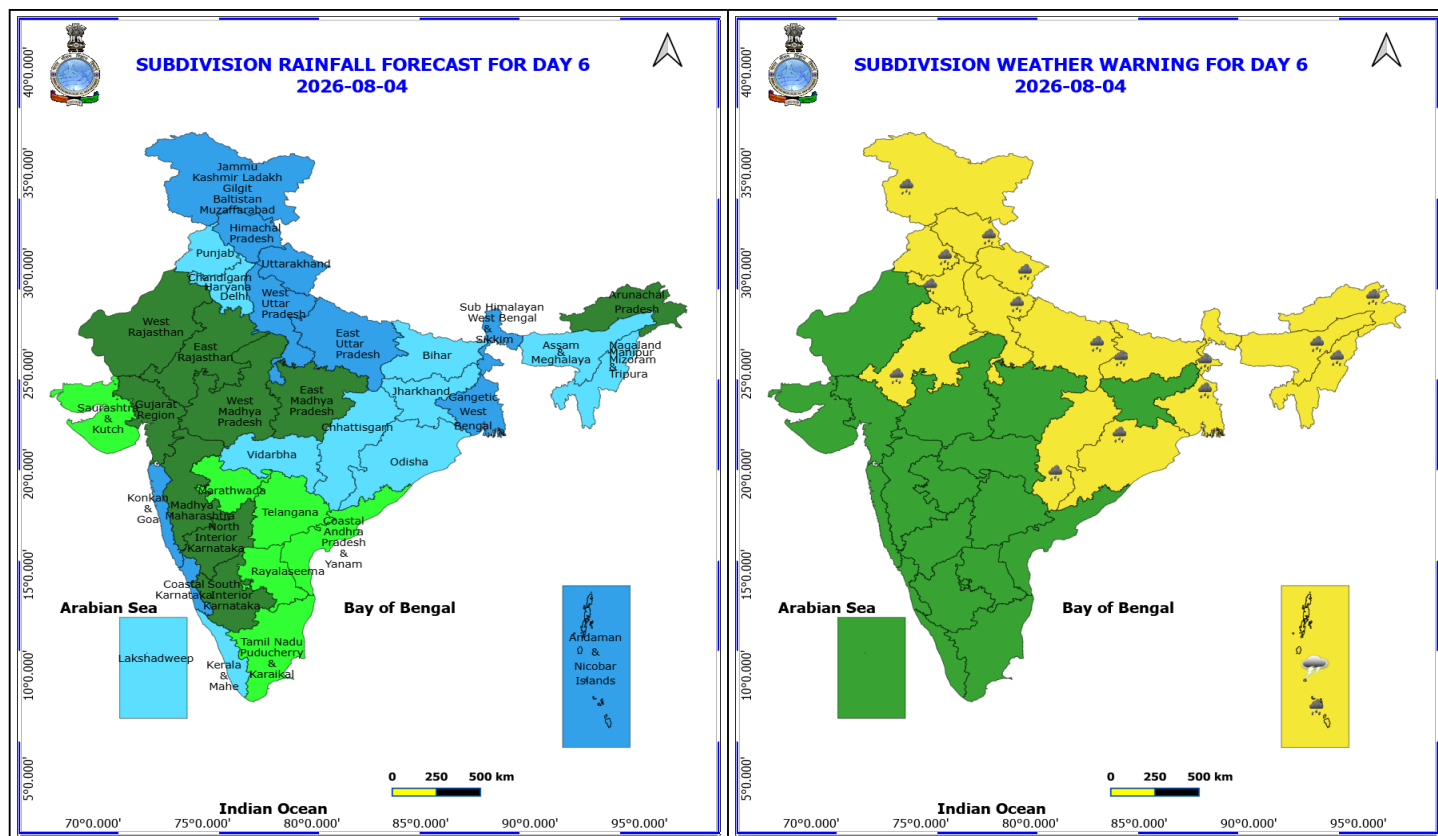
No Fishermen Warning

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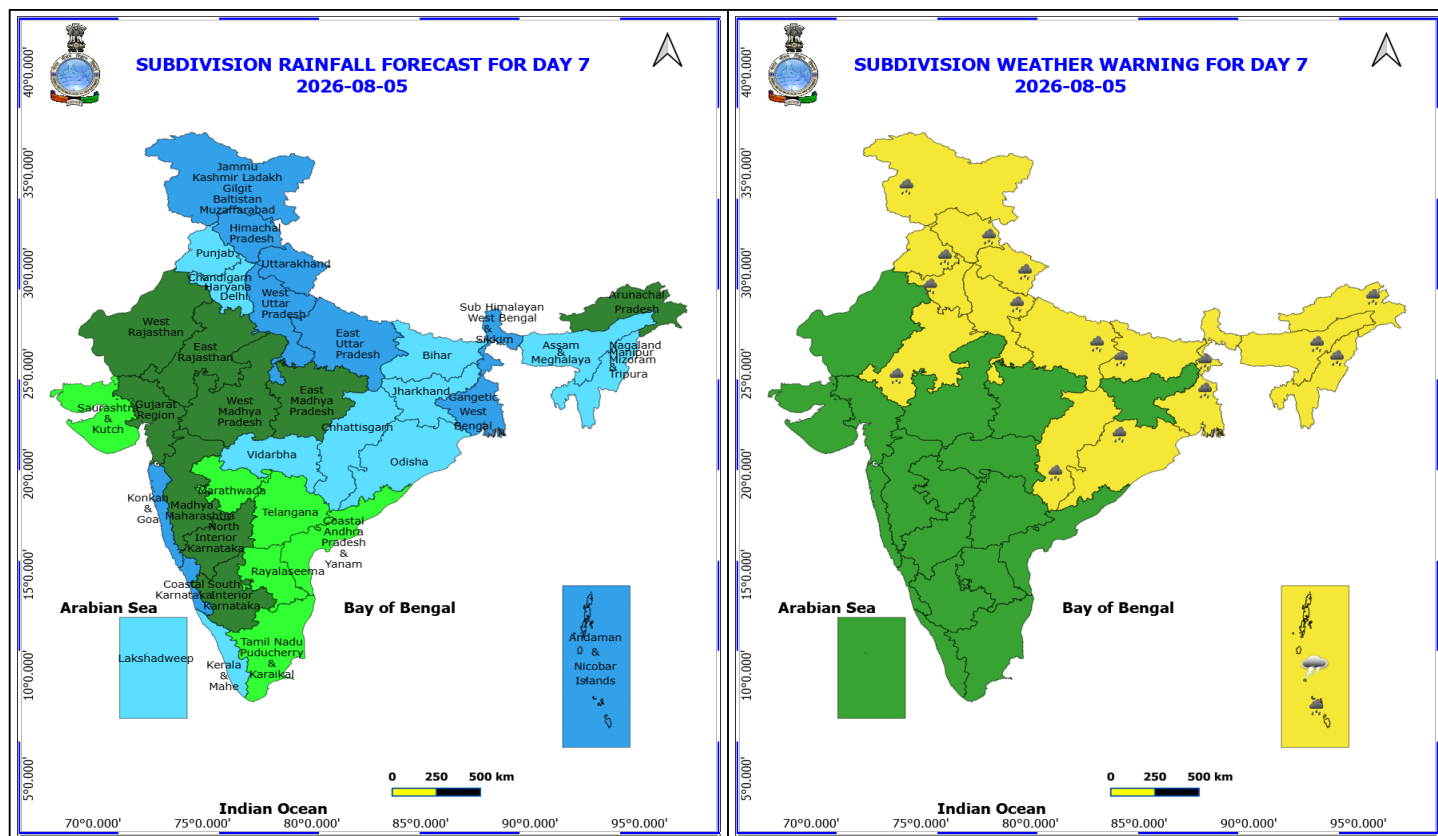
(Service to the nation since 1875)



4 August (Day 6)

- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, East Rajasthan, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Nagaland, Manipur, Mizoram and Tripura, Odisha, Punjab, Uttar Pradesh, Uttarakhand and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Rajasthan and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Uttarakhand.

No Fishermen Warning



5 August (Day 7)

- ❖ **Heavy Rainfall** likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Bihar, Chhattisgarh, East Rajasthan, Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Nagaland, Manipur, Mizoram and Tripura, Odisha, Punjab, Uttar Pradesh, Uttarakhand and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Bihar, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Rajasthan and Telangana.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Uttarakhand.

No Fishermen Warning

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Flash Flood Warnings

24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 31-07-2026 :

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

Telangana - J. Bhupalpally, Kamareddy, Kumaram Bheem, Mahabubnagar, Mancherial, Nirmal, Nizamabad, Sangareddy and Vikarabad districts.

Chhattisgarh - Bijapur and Dantewada districts.

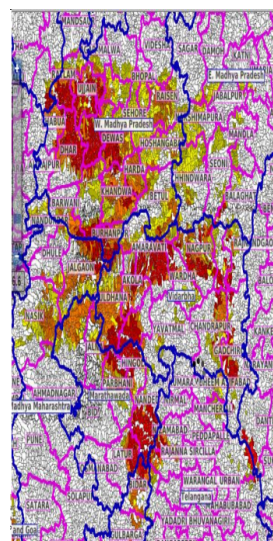
East Madhya Pradesh - Balaghat, Chhindwara, Damoh, Jabalpur, Katni, Mandla, Narsinghpur and Umaria districts.

Vidarbha - Akola, Amraoti, Bhandara, Buldhana, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Washim and Yeotmal districts.

West Madhya Pradesh - AgarMalwa, Alirajpur, Ashoknagar, Barwani, Betul, Bhopal, Burhanpur, Dewas, Dhar, Harda, Jhabua, Khandwa, Khargone, Mandsaur, Narmadapuram, Rajgarh, Ratlam, Sehore, Shajapur and Ujjain districts.

Madhya Maharashtra and Marathawada Met Subdivisions during next 24 hours.

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.



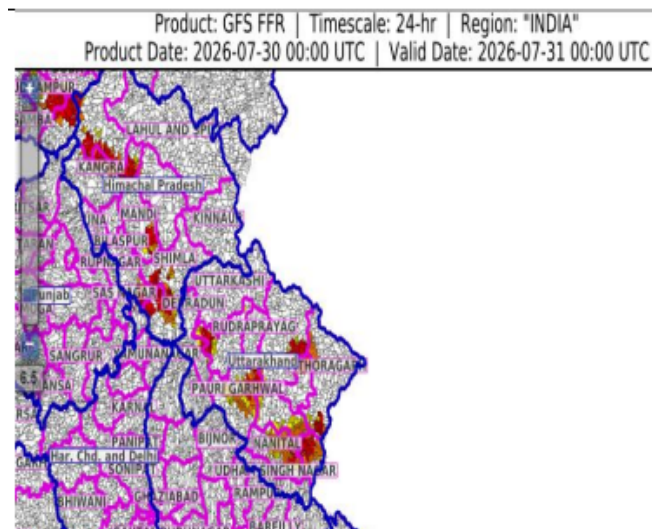
24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 31-07-2026 :

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

Himachal Pradesh - Kangra, Kinnaur, Kullu, Mandi, Shimla, Sirmaur and Solan districts.

Uttarakhand - Bageshwar, Chamoli, Champawat, Dehradun, Garhwal Pauri, Garhwal Tehri, Nainital, Pithoragarh, Rudrapurayag and Udham Singh 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.



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**24 hours Outlook for the Flash Flood Risk (FFR)
till 0530 IST of 31-07-2026 :**

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

Assam & Meghalaya - Dibrugarh, Karbi Anglong, East Garo Hills, East Khasi Hills and South West Garo Hills districts.

Nagaland Mizoram Manipur Tripura (NMMT)

- Chandel, Churachandpur, Senapati, Champhai, Lunglei, Mamit, Kiphire, Kohima, Mon, Peren, Phek, Tuensang and Zunheboto 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.

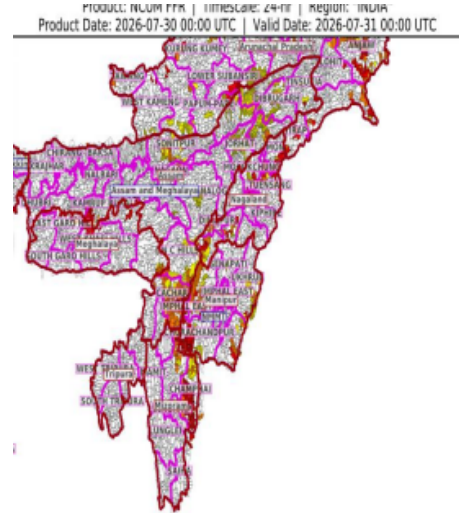




Table-1

7 Days Rainfall Forecast

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

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

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Fig. 1: Maximum Temperatures Dated 2026-07-29

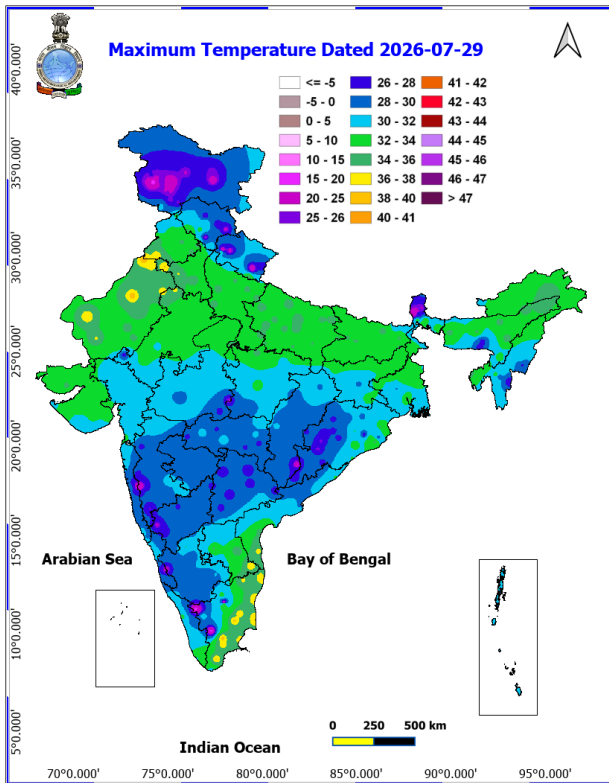


Fig. 2: Departure of Maximum Temp. Dated 2026-07-29

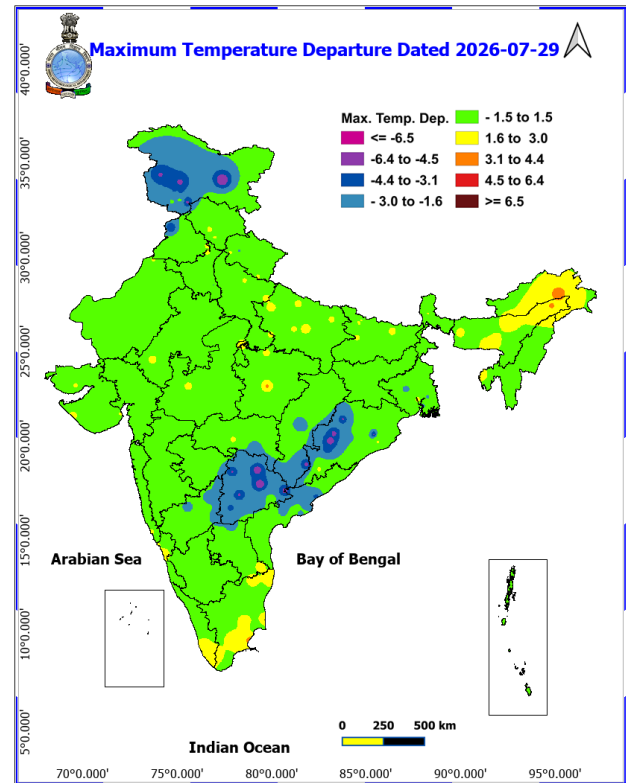


Fig. 3: Minimum Temperatures Dated 2026-07-29

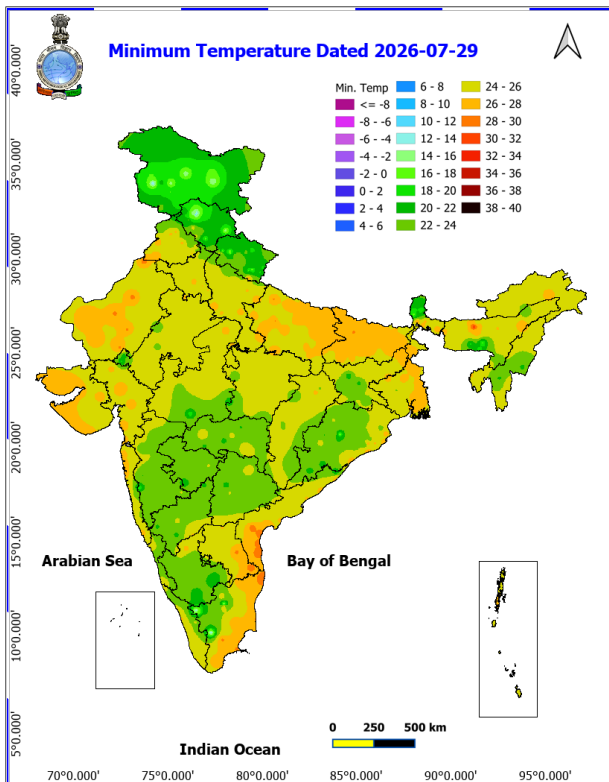
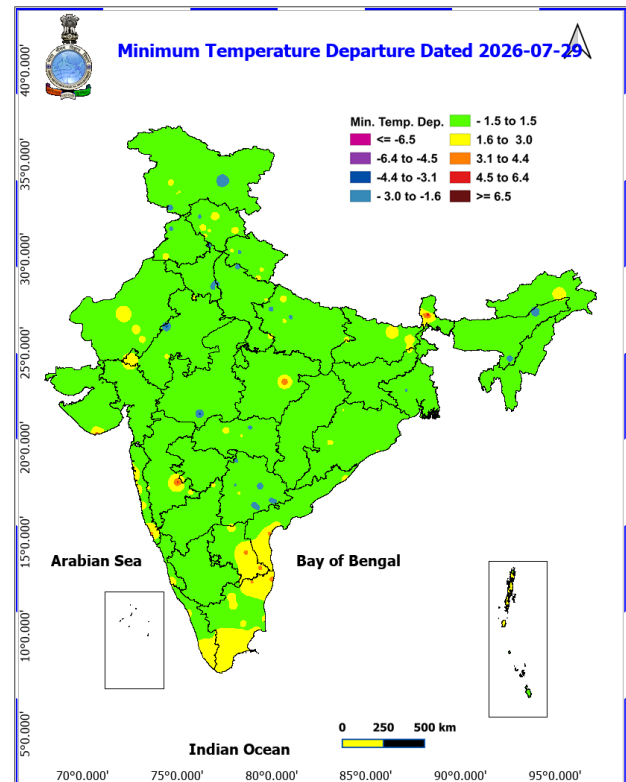


Fig. 4: Departure of Minimum Temp. Dated 2026-07-29

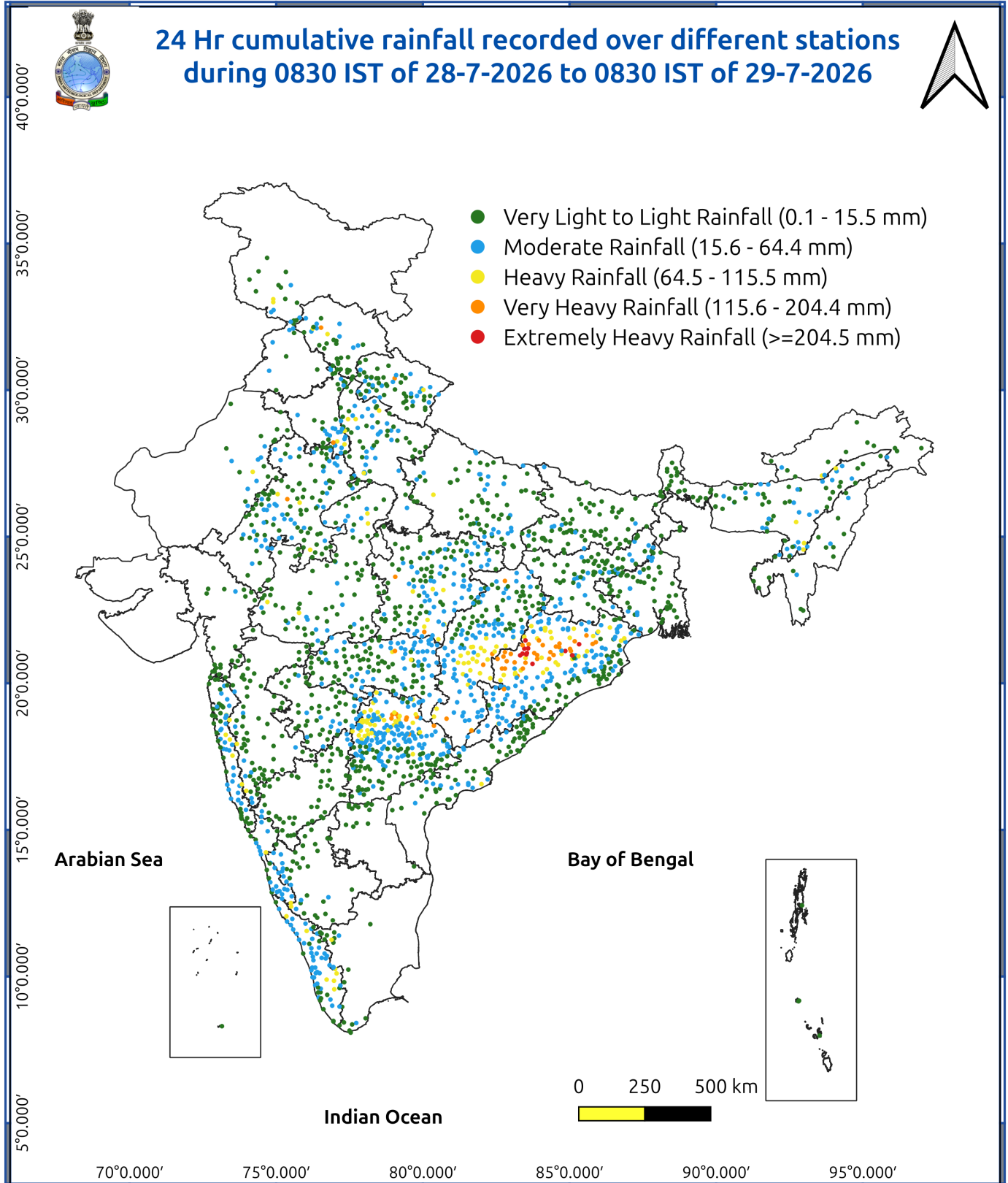


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Impact and Actions

Impact Expected & Action Suggested due to heavy/very heavy/extremely heavy rainfall:

- **Heavy to very heavy rainfall** at few places with extremely heavy rainfall likely at isolated places over West Madhya Pradesh, Chattishgarh, Vidarbha, Telangana and Madhya Maharashtra on 30th July; Gujarat Region on 31st July.

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/landslides/mudslides/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

Agromet advisories for likely impact of Heavy Rainfall

- In **Odisha**, ensure proper drainage of excess water from nursery beds, fields of *kharif* crops such as maize, pulses (green gram, black gram, pigeon pea etc.), oilseeds (groundnut, sesame etc.), cotton, vegetables and fruit orchards to prevent prolonged waterlogging. Strengthen rice field bunds to prevent soil erosion and runoff. Drain out excess water from low-lying fields after the rainfall subsides to prevent waterlogging. Postpone transplanting of rice; sowing of green gram, maize and sesame and sowing or planting of vegetables until field conditions become favourable. Inspect newly transplanted fields after cessation of rainfall and carry out gap filling wherever seedlings have been washed away. Press the soil gently around the base of young saplings in newly planted orchards if heavy rain has loosened it. In cucurbits, provide bamboo or wire trellises to keep vines off the wet ground to prevent fruit rot. Remove damaged fruits and leaves / plants from vegetable fields to prevent fungal diseases.
- In **Chhattisgarh**, drain out excess water from nursery beds and fields of rice, groundnut, green gram, pigeon pea and vegetables to avoid flooding or submergence of seedlings.
- In **Madhya Pradesh**, maintain effective drainage in soybean, maize, black gram, green gram, sesame and vegetable fields to prevent waterlogging. Postpone sowing, irrigation, fertilizer and plant protection operations until field conditions improve.
- In **Vidarbha**, drain out excess water from *kharif* crops like maize, cotton, pigeon pea, soybean, orchards and vegetable nurseries.
- In **Konkan**, maintain proper drainage in turmeric, groundnut, transplanted rice and finger millet, porso millet, vegetable fields and orchards. Remove excess rainwater from low-lying areas to prevent prolonged waterlogging.
- In *ghat* areas of **Madhya Maharashtra**, drain out excess water from rice nurseries and *kharif* crops like maize, cotton, pigeon pea, groundnut, green gram and black gram.
- In **Gujarat**, make necessary arrangements to drain out excess rainwater from the field of rice, cotton, pearl millet, soybean, maize, groundnut and vegetable fields to prevent prolonged waterlogging. Provide strong bamboo staking to tall crops (banana, papaya, sugarcane).

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- In **Jammu and Kashmir**, ensure proper drainage in fields of maize, green gram, black gram and vegetables to prevent waterlogging. Postpone irrigation in transplanted rice.
- In **Himachal Pradesh**, maintain proper drainage in rice, maize, finger millet, tomato, brinjal, capsicum, chilli and cucumber fields and apple and pear orchards for quick removal of excess rainwater. Harvest mature fruits wherever field conditions permit.
- In **Uttarakhand**, maintain effective drainage in rice, black gram, barnyard millet, finger millet, tomato and chilli fields to prevent prolonged waterlogging. Harvest mature tomato, French bean and potato wherever field conditions permit.
- In **Punjab and Haryana**, maintain effective drainage in rice, maize, cotton, soybean, pigeon pea and groundnut fields and fruit orchards to prevent waterlogging.
- In **East Rajasthan**, maintain proper drainage and remove excess rainwater from low-lying soybean, maize, groundnut, cotton and pigeon pea fields to prevent prolonged waterlogging.
- In **Keralam**, maintain proper drainage in banana, coconut, cardamom, ginger, black pepper and vegetable fields to prevent waterlogging.
- In **Karnataka**, keep field drainage channels clear and maintain continuous drainage in paddy fields, orchards and vegetable fields to prevent prolonged waterlogging.
- In **Telangana**, maintain proper drainage in rice, maize, cotton, red gram, soybean and vegetable fields to prevent waterlogging.
- In **Sub-Himalayan West Bengal**, ensure proper drainage in the fields of rice, jute, ginger and vegetable to prevent prolonged waterlogging.
- In **Arunachal Pradesh**, maintain proper drainage in rice, maize, soybean and finger millet fields, orchards and low-lying areas to prevent prolonged waterlogging. Harvest mature crops wherever field conditions permit.
- In **Assam**, keep field drainage channels clear and maintain continuous drainage in rice nurseries, jute, sugarcane, soybean, pigeon pea, sesame and vegetable fields to prevent prolonged waterlogging. Provide staking or support to banana, vegetables and other vulnerable crops against strong winds.
- In **Meghalaya**, maintain proper drainage in rice nurseries and fields of maize, cowpea, okra and ginger to prevent prolonged waterlogging. Strengthen nursery bunds and keep drainage channels free from obstruction.
- In **Nagaland, Manipur, Mizoram and Tripura**, ensure proper drainage from soybean, black gram, ginger, turmeric, cole crop and vegetable fields to prevent residual waterlogging.

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.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.

Legends & abbreviations:

Region wise classification of meteorological Sub-Divisions:

- **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana Chandigarh & Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **West India:** Gujarat Region, Saurashtra & Kutch, Coastal Maharashtra (Konkan) & Goa, Madhya Maharashtra

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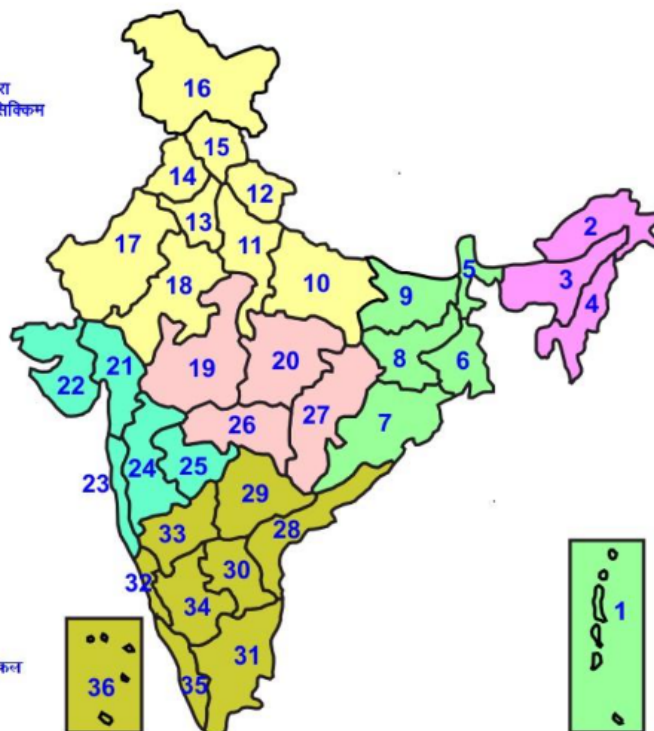


and Marathawada.

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

LEGENDS

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



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

SPATIAL DISTRIBUTION (% of Stations reporting)

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

Subdivision Colour

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

Probabilistic Forecast

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

-  Heavy Rain

 Thunderstorm & Lightning

 Strong surface winds

 Cold Wave

 Hot & Humid

 Very Heavy Rain

 Hailstorm

 Heat Wave

 Cold Day

 Extremely Heavy Rain

 Dust Storm

 Hot Day

 Ground Frost

 Heavy Snow

 Dust Raising Winds

 Warm Night

 Fog

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LEGENDS

WARNING

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°C to 6.4°C .
Severe Heat Wave: Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$.
Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$

(c). Criteria for heat wave for coastal stations

When maximum temperature departure is $> 4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$



When maximum temperature remains 40°C

Warm Night: When minimum temperature departure 4.5°C to 6.4°C .
Severe Warm Night: When minimum temperature departure $> 6.4^{\circ}\text{C}$.



When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions.

(a). Based on departure

Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C .
Severe Cold Wave: Minimum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$

(b) Based on actual Minimum Temperature (for Plains only)

Cold Wave: When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$
Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$

(c) For Coastal Stations

When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ & actual Minimum Temperature is $\leq 15^{\circ}\text{C}$



When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions
Based on departure

Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C .
Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$



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

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