



2025-06-12

Time of Issue: 14:12:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features Weather

Forecast and Warnings

South Peninsular India:

Light/moderate rainfall at most/many places over Kerala & Mahe, Karnataka, Lakshadweep during next 7 days and Light/moderate rainfall at many/some places accompanied with isolated **thunderstorm, lightning & gusty winds speed reaching 30-50 kmph** over Tamilnadu Puducherry & Karaikal, Kerala & Mahe on 12th & 13th, Coastal Karnataka, Telangana during 12th-16th June.

Strong surface winds (speed 50-60 kmph) very likely over Kerala & Mahe during 14th-16th, Interior Karnataka, Coastal Andhra Pradesh & Yanam, Rayalaseema during 12th-16th June.

Isolated **heavy rainfall** likely over Tamilnadu Puducherry & Karaikal on 12th; Lakshadweep on 14th & 15th, Coastal Andhra Pradesh & Yanam, Telangana during 12th-18th, Rayalaseema on 12th & 13th with **very heavy rainfall** over Tamilnadu Puducherry & Karaikal during 13th-17th, Kerala & Mahe, Karnataka during 12th-18th, with **Extremely heavy rainfall** likely over North Interior Karnataka on 12th, Tamilnadu Puducherry & Karaikal on 14th & 15th, Kerala & Mahe during 14th-17th, Coastal & South interior Karnataka during 12th-16th,

West India:

Light/moderate rainfall at some/isolated places accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph** likely over Madhya Maharashtra, Marathawada, Konkan & Goa during 12th-16th; Gujarat State during 12th-15th June with **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** very likely at isolated places over Konkan & Goa, Madhya Maharashtra, Marathawada during 12th-14th June.

Isolated **heavy rainfall** likely over Madhya Maharashtra on 14th & 15th, Marathawada during 12th-14th with **very heavy rainfall** on Konkan & Goa during 16th-18th; ghat areas of Madhya Maharashtra on 12th & 13th and during 16th-18th June with **Extremely heavy rainfall** likely over Konkan & Goa during 12th-15th June.

East & Central India:

Light/moderate rainfall at some places likely to continue over Sub-Himalayan West Bengal & Sikkim during next 7 days and Light/moderate rainfall at isolated/some places accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Bihar, Jharkhand, Odisha, Vidarbha, Chhattisgarh, Madhya Pradesh, West Bengal & Sikkim during 12th-16th June with **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** very likely at isolated places over Madhya Pradesh during 14th-16th, Vidarbha during 12th-16th, Chhattisgarh on 12th & 13th, Bihar on 14th June.

Isolated **heavy rainfall** also likely over Madhya Pradesh during 15th-18th, Vidarbha, Chhattisgarh during 14th-18th, Andaman & Nicobar Islands on 12th & 13th, Sub-Himalayan West Bengal & Sikkim during 13th-15th, Gangetic West Bengal on 16th & 17th, Jharkhand on 18th, Odisha during 12th-18th June with **very heavy rainfall** over Sub-Himalayan West Bengal & Sikkim on 14th and over Odisha on 16th June.

Northwest India:

Light/moderate rainfall at some/isolated places accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely Uttarakhand during 12th-18th, Himachal Pradesh during 15th-18th; Punjab,

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Haryana, Uttar Pradesh, Rajasthan during 13th-17th June with **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** very likely at isolated places over East Rajasthan on 14th & 15th June.

Isolated **heavy rainfall** likely over Uttarakhand during 12th-18th June.

Dust storm likely over West Rajasthan during 14th-18th June.

Northeast India:

Light/moderate rainfall at many/some places accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph** likely to continue over northeast India during next 7 days with **isolated heavy rainfall** over Arunachal Pradesh during 14th-18th, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura during 12th-18th with **very heavy rainfall** on Arunachal Pradesh on 18th, Assam & Meghalaya during 16th-18th, Nagaland, Manipur, Mizoram & Tripura on 17th & 18th June.

Maximum Temperature Forecast:

- No significant change in maximum temperatures likely over Northwest & Central India during next 2-3 days and gradual fall by 2-4°C thereafter.
- No significant change in maximum temperatures likely over East India during next 24 hours and gradual fall by 2-3°C thereafter for subsequent 4 days and no significant change thereafter.
- No significant change in maximum temperatures likely over rest parts of the country.

Heat wave, Hot & Humid weather and Warn Night warnings:

Heat wave condition very likely at many/some places over Himachal Pradesh & East Rajasthan during 12th-14th with **severe heat wave conditions** at isolated/some parts on 12th June.

- ♦ **Heat wave condition** very likely at many/some places over West Rajasthan during 12th-15th with **severe heat wave conditions** at isolated/some parts during 12th-14th June.

Heat wave conditions very likely in some/many places over Jammu-Kashmir, West Uttar Pradesh, Punjab, Haryana

- ♦ Chandigarh & Delhi during 12-14th, East Uttar Pradesh, Madhya Pradesh on 12th & 13th June.

Hot & humid weather is likely to prevail over Arunachal Pradesh, Assam & Meghalaya, Bihar on 12th & 13th; Nagaland,

- ♦ Manipur, Mizoram & Tripura on 12th & 14th June.

Warm night conditions very likely in isolated pockets over Punjab, Haryana, West Rajasthan, West Madhya Pradesh on 12th

- ♦ & 13th, Uttar Pradesh, East Rajasthan on 12th, East Madhya Pradesh on 13th June.

♦

Main Weather Observations:

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

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Coastal Karnataka:** Karwar (dist Uttara Kannada) 37; Kota (dist Udupi) 19; Ankola (dist Uttara Kannada), Gokarna (dist Uttara Kannada) 15 Each; Honavar (dist Uttara Kannada) 13; Mangaluru AP (dist Dakshina Kannada), Kundapur (dist Udupi) 11 Each; Kumta (dist Uttara Kannada) 10; Mudubidre (dist Dakshina Kannada), Mulki (dist Dakshina Kannada), Bantwal (dist Dakshina Kannada) 9 Each; Udupi (dist Udupi), Siddapura (dist Udupi), Gersoppa (dist Uttara Kannada) 8 Each; Uppinangadi (dist Dakshina Kannada), Karkala (dist Udupi) 7 Each; **North Interior Karnataka:** Kerur (dist Bagalkote) 16; Hubballi (dist Dharwad) 15; Gabbur (dist Raichur) 11; Lakshmeswar (dist Gadag), Gadag PBO (dist Gadag) 8 Each; Nargund (dist Gadag), Annigere Ars (dist Dharwad), Shiggaon (dist Haveri) 7 Each; **Konkan & Goa:** Canacona (dist South Goa) 13; Sanguem (dist South Goa) 8; **South Interior Karnataka:** Agumbe Emo (dist Shivamogga) 10; N R Pura (dist Chikkamagaluru) 8; **Kerala & Mahe:** Kudulu (dist Kasargod), Muliya AWS (dist Kasargod), Bayar AWS (dist Kasargod) 9 Each; Palluruthy ARG (dist Ernakulam) 8; Kodungallur (dist Thrissur), Kochi IAF (dist Ernakulam), Kalamassery AWS (dist Ernakulam) 7 Each; **Telangana:** Gopalpet (dist Wanaparthy) 9; Kalwakurthy (dist Nagarkurnool), Aiza (dist Jogulamba Gadwal), Bhoothpur (dist Mahabubnagar) 7 Each; **Uttarakhand:** Chamoli (dist Chamoli) 9; Sama (dist Bageshwar), Loharkhet (dist Bageshwar) 7 Each; **Tamil Nadu, Puducherry & Karaikal:** Puducherry (dist Puducherry) 8; **Assam & Meghalaya:** Laharighat ARG (dist Morigaon) 8; **Nagaland, Manipur, Mizoram & Tripura:** Sabroom (dist South Tripura) 7; **Rayalaseema:** Devanakonda (dist Kurnool) 7; **Odisha:** Bhuban (dist Dhenkanal), Bhograi (dist Balasore), Chilika (dist Khurda) 7 Each.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Extremely heavy rain** at isolated places over Coastal Karnataka. **Heavy to very heavy rain** at isolated places over Konkan & Goa, Coastal Karnataka and North Interior Karnataka. **Heavy rain** at a few places over Coastal Karnataka and at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, Uttarakhand, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka and Kerala & Mahe.

❖ **Minimum Temperature Departures (as on 12-06-2025):** **markedly above normal (> 5.1°C)** at few places over Assam & Meghalaya, Himachal Pradesh and East Madhya Pradesh; at isolated places over Sub Himalayan West Bengal & Sikkim, Bihar, East Uttar Pradesh, West Uttar Pradesh, Punjab, West Rajasthan, East Rajasthan, West Madhya Pradesh, Gujarat Region and Saurashtra & Kutch. **appreciably above normal (3.1°C to 5.0°C)** at many places over Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad; at most places over Arunachal Pradesh; at few places over Uttarakhand and Haryana-Chandigarh-Delhi; at isolated places over Vidarbha and Coastal Andhra Pradesh & Yanam. **above normal (1.6°C to 3.0°C)** at many places over Lakshadweep; at few places over Gangetic West Bengal and Coastal Karnataka; at isolated places over Odisha, Jharkhand, Konkan & Goa, Madhya Maharashtra, Rayalaseema and Tamil Nadu, Puducherry & Karaikal. **near normal (-1.5°C to 1.5°C)** at many places over Chhattisgarh and Telangana; at most places over Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, North Interior Karnataka, South Interior Karnataka and Kerala & Mahe; at few places over Marathwada. **The lowest minimum temperature** of 19.8°C was reported at MATHERAN (MAHARASHTRA) over the Plains of India.

❖ **Maximum Temperature Departures (as on 11-06-2025):** **markedly above normal (> 5.1°C)** at many places over Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad; at most places over Arunachal Pradesh; at few places over Assam & Meghalaya and Himachal Pradesh; at isolated places over Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Bihar, West Uttar Pradesh, West Rajasthan, East Rajasthan, West Madhya Pradesh and East Madhya Pradesh. **appreciably above normal (3.1°C to 5.0°C)** at many places over East Uttar Pradesh; at most places over Haryana-Chandigarh-Delhi and Punjab; at few places over Nagaland, Manipur, Mizoram & Tripura; at isolated places over Odisha and Tamil Nadu, Puducherry & Karaikal. **above normal (1.6°C to 3.0°C)** at few places over Gujarat Region, Saurashtra & Kutch, Konkan & Goa and Coastal Karnataka; at isolated places over Uttarakhand, Madhya Maharashtra and Vidarbha. **near normal (-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, Jharkhand, Chhattisgarh and South Interior Karnataka; at most places over Lakshadweep; at few places over North Interior Karnataka and Kerala & Mahe; at isolated places over Coastal Andhra Pradesh & Yanam and Telangana. **The highest maximum temperature** of 48.0°C was reported at SRIGANGANAGAR (RAJASTHAN).

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❖ **Maximum Temperature Changes (as on 11-06-2025):** **Markedly fall at** at few places over Vidarbha, Coastal Andhra Pradesh & Yanam and Rayalaseema; at isolated places over Gangetic West Bengal, West Madhya Pradesh, East Madhya Pradesh, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. **Appreciable fall at** at few places over Uttarakhand, Telangana, Coastal Karnataka and South Interior Karnataka; at isolated places over Sub Himalayan West Bengal & Sikkim, Odisha, West Uttar Pradesh, Haryana-Chandigarh-Delhi, Marathwada, Chhattisgarh and North Interior Karnataka. **Appreciable rise at** at most places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Jharkhand, Bihar, East Uttar Pradesh, Punjab, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, East Rajasthan, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Lakshadweep.

❖ **Minimum Temperature Changes (as on 12-06-2025):** **markedly fall at** at few places over Nagaland, Manipur, Mizoram & Tripura; at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal and Tamil Nadu, Puducherry & Karaikal. **Appreciable fall at** at few places over Madhya Maharashtra and Coastal Karnataka; at isolated places over Odisha, Bihar, West Uttar Pradesh, West Rajasthan, West Madhya Pradesh, Vidarbha, Coastal Andhra Pradesh & Yanam, Rayalaseema and North Interior Karnataka. **Appreciable rise at** at many places over Haryana-Chandigarh-Delhi, Chhattisgarh and Telangana; at most places over Andaman & Nicobar Islands, Arunachal Pradesh, Jharkhand, East Uttar Pradesh, Uttarakhand, Punjab, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Marathwada, South Interior Karnataka, Kerala & Mahe and Lakshadweep.

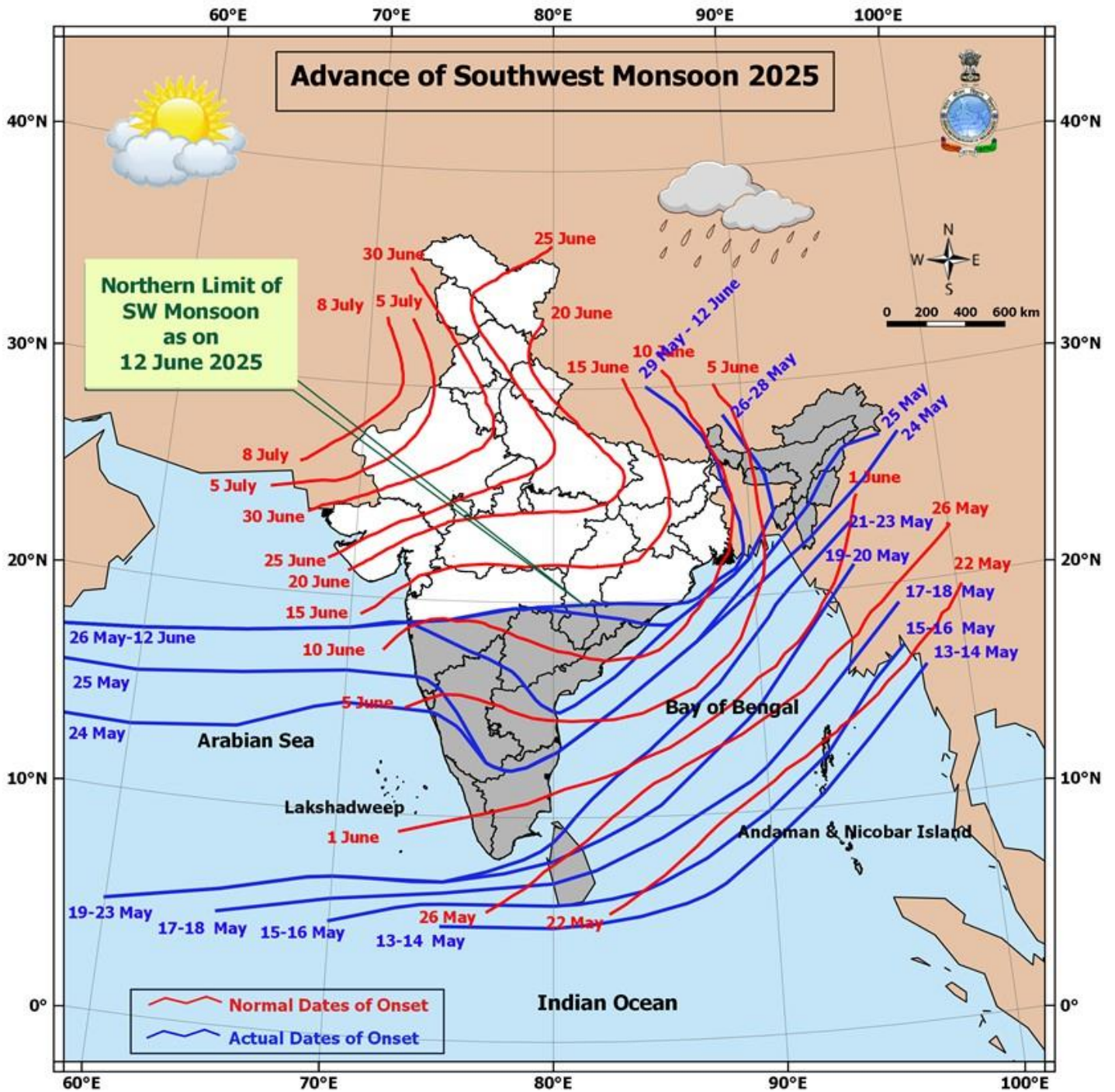


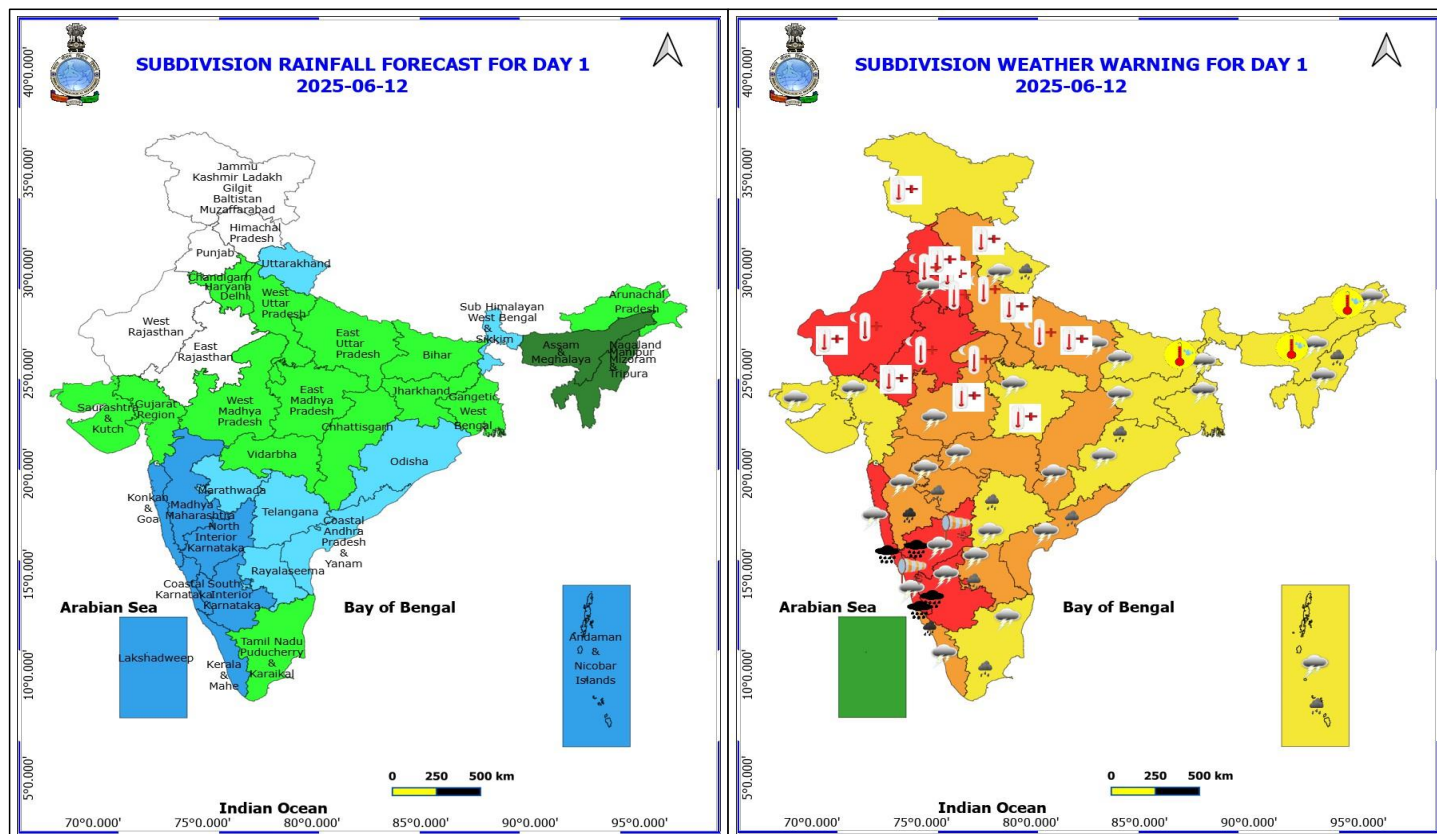
Meteorological Analysis (Based on 0830 hours IST)

- ♦ The Northern Limit of Monsoon continues to pass through 17.0°N/55°E, 17.5°N/60°E, 18°N/65°E, 18.5°N/70°E, Mumbai, Ahilyanagar, Adilabad, Bhawanipatna, Puri, Sandhead Island, 23.5°N/89.5°E, Balurghat, 30°N/85°E. Conditions are favourable for further advancement of Southwest monsoon over some more parts of Central & adjoining East India (including some more parts of Vidarbha, Chhattisgarh & Odisha) during next 48 hours.
An **upper air cyclonic circulation** lies over Punjab & neighbourhood at 0.9 km above mean sea level.
- ♦ The **trough** now runs from the above **cyclonic circulation** to southeast Madhya Pradesh across Haryana, west Madhya Pradesh at 0.9 km above mean sea level.
An **upper air cyclonic circulation** lies over West Uttar Pradesh & neighbourhood at 1.5 km above mean sea level.
- ♦ An **upper air cyclonic circulation** lies over West Rajasthan & neighbourhood between 1.5 & 3.1 km above mean sea level.
- ♦ The **upper air cyclonic circulation** over westcentral Bay of Bengal off north Coastal Andhra Pradesh coast now lies over north coastal Andhra Pradesh and adjoining south Odisha & extends upto 5.8 km above mean sea level titling southwestwards with height.
- ♦ A **trough** runs from the above cyclonic circulation to coastal Karnataka across Chhattisgarh, Marathwada, Interior Karnataka between 3.1 km to 5.8 km above mean sea level.
- ♦ The **Western Disturbance** as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level now runs roughly along Long. 62°E to the north of Lat. 28°N.
- ♦ The **upper air cyclonic circulation** over Haryana & neighbourhood extending upto 1.5 km above mean sea level has become less marked.
- ♦

Weather Outlook for subsequent 3 days

- Fairly widespread to widespread rainfall activity likely over Northeast India, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Lakshadweep, Konkan & Goa, Marathwada, Madhya Maharashtra Coastal and Interior Karnataka, Telangana, & Rayalaseema and Kerala & Mahe.
- Isolated to scattered rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan Muzaffarabad, Uttarakhand, Odisha, south Chhattisgarh, Vidarbha, Madhya Pradesh, Uttar Pradesh, Bihar and Jharkhand.





12 June (Day 1)

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

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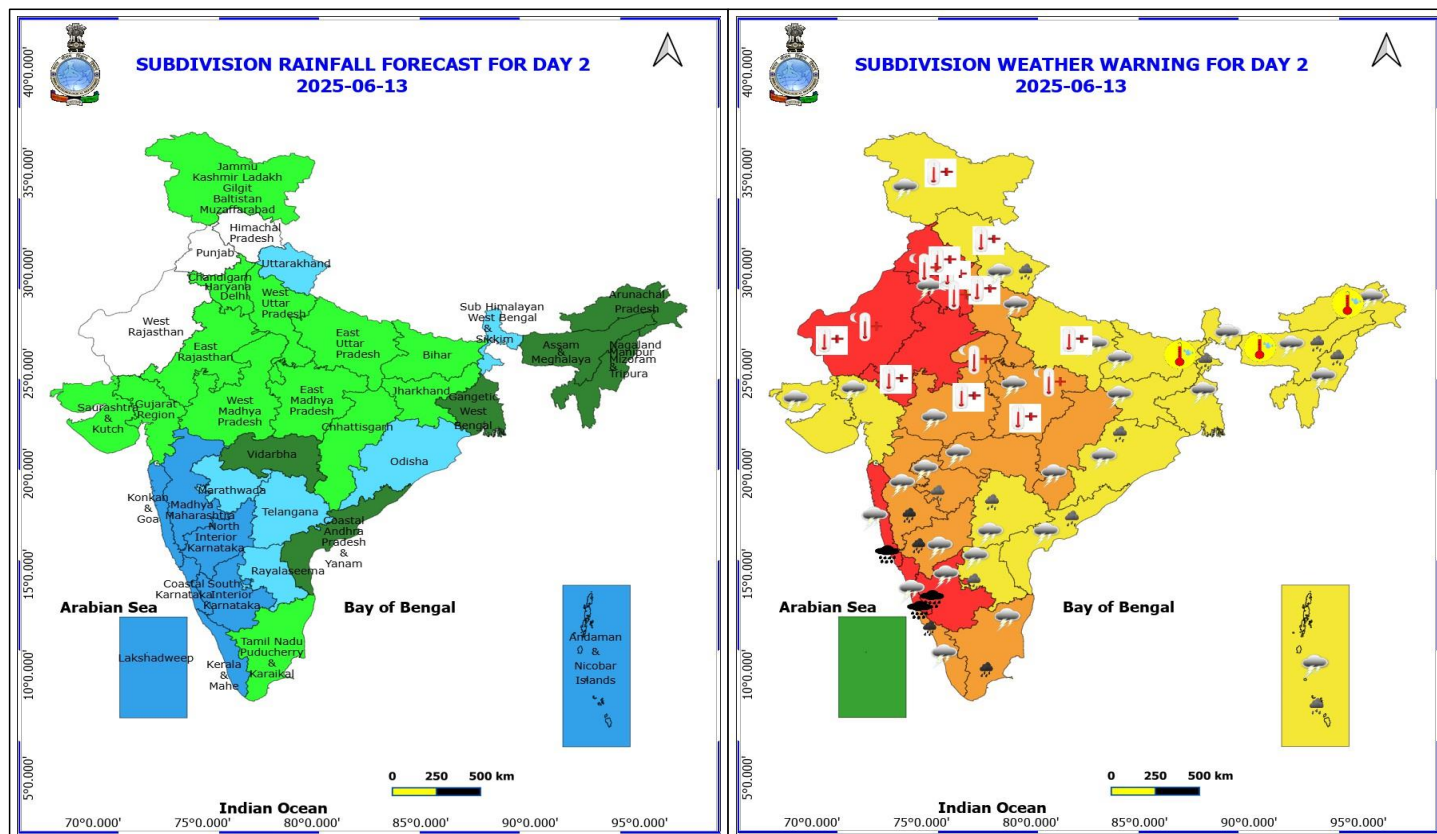
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- ❖ **Hot and Humid weather** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Bihar.
- ❖ **Warm Night conditions** very likely at isolated places over Haryana, Chandigarh & Delhi, Punjab, Rajasthan, Uttar Pradesh and West Madhya Pradesh.

Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph likely to prevail along and off Somalia coast and adjoining parts of southwest and westcentral Arabian Sea, and Gulf of Mannar. **Squally weather with wind speed 35 - 45 kmph gusting to 55 kmph** likely to prevail along and off south Konkan, Goa, Karnataka, Kerala, Sri Lanka, Tamil Nadu, Andhra Pradesh coasts, over many parts of southeast Arabian Sea, over Lakshadweep, Maldives, Comorin areas, over most parts of south Bay of Bengal, western parts of westcentral Bay of Bengal, and over Andaman Sea.



13 June (Day 2)

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

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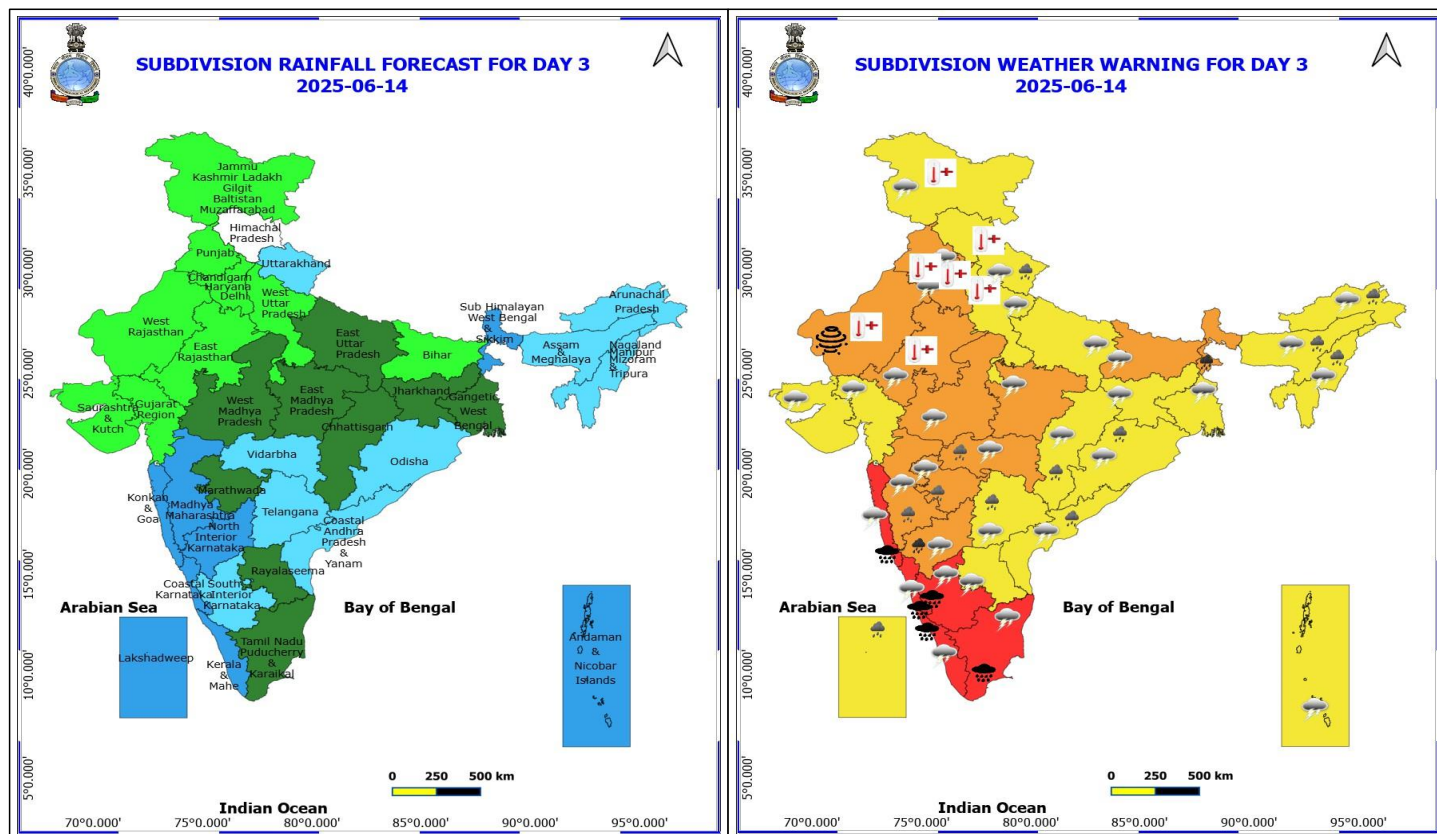
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❖ **Hot and Humid weather** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Bihar.

❖ **Warm Night conditions** very likely at isolated places over Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab and West Rajasthan.

Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph likely to prevail along and off Somalia coast and adjoining parts of southwest and westcentral Arabian Sea, some western parts of southwest Arabian Sea, and Gulf of Mannar. **Squally weather with wind speed 35 - 45 kmph gusting to 55 kmph** likely to prevail along and off Konkan, Goa, Karnataka, Kerala, Sri Lanka, Tamil Nadu coasts, over many parts of southeast Arabian Sea, northern parts of southwest & adjoining westcentral Arabian Sea, over Lakshadweep, Maldives, Comorin areas, over most parts of south Bay of Bengal and adjoining parts of central Bay of Bengal, and over Andaman Sea.



14 June (Day 3)

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

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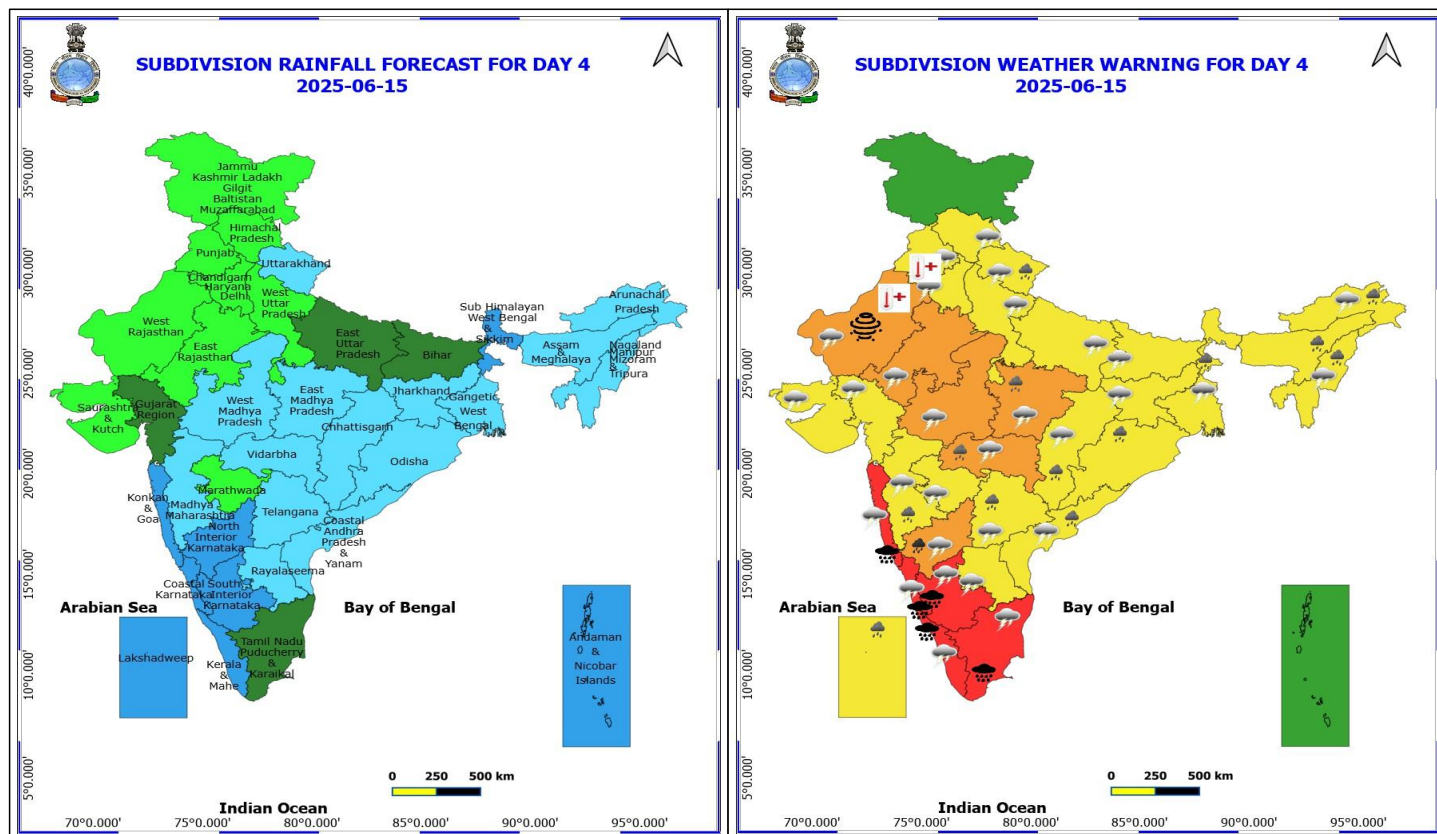
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❖ **Heat Wave conditions** very likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Rajasthan and West Uttar Pradesh.

Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph likely to prevail along and off Somalia coast and adjoining parts of southwest and westcentral Arabian Sea, some western parts of southwest Arabian Sea, and Gulf of Mannar. **Squally weather with wind speed 35 - 45 kmph gusting to 55 kmph** likely to prevail along and off Konkan, Goa, Karnataka, Kerala, Sri Lanka, Tamil Nadu, Andhra Pradesh coasts, over southeast Arabian Sea, most parts of eastcentral Arabian Sea, many parts of southwest Arabian sea & some parts of westcentral Arabian Sea, over Lakshadweep, Maldives, Comorin areas, over south Bay of Bengal, most parts of central Bay of Bengal, and over Andaman Sea. **Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph** likely to prevail many parts of southwest Bay of Bengal.



15 June (Day 4)

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

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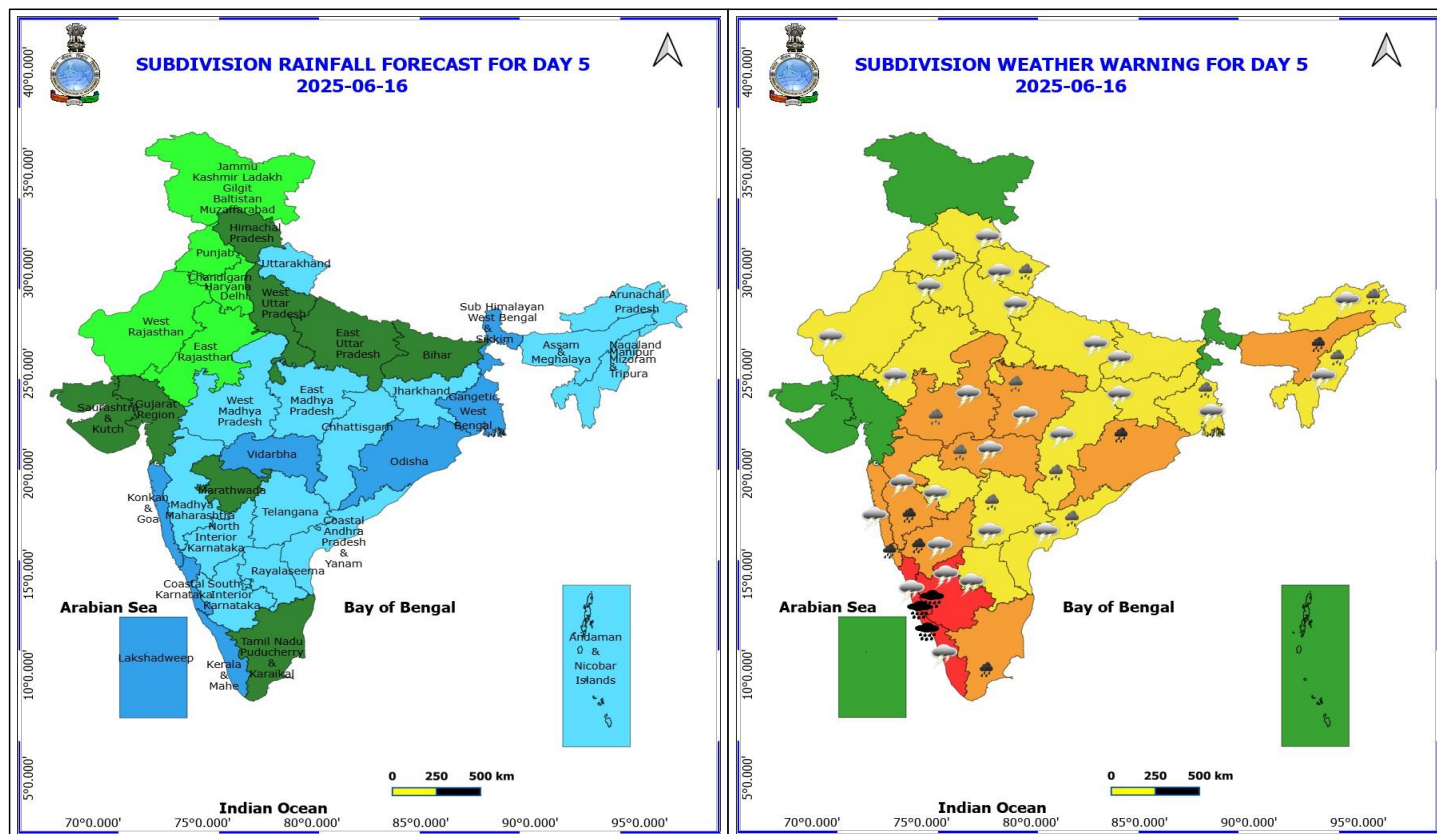
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Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph likely to prevail along and off Somalia coast and adjoining parts of southwest and westcentral Arabian Sea, some western parts of southwest Arabian Sea, and Gulf of Mannar. **Squally weather with wind speed 35 - 45 kmph gusting to 55 kmph** likely to prevail along and off Konkan and adjoining south Gujarat coasts, along and off Goa, Karnataka, Kerala, Sri Lanka, Tamil Nadu, Andhra Pradesh coasts, over southeast Arabian Sea, eastcentral Arabian Sea, many parts of southwest Arabian sea & some parts of westcentral Arabian Sea, over Lakshadweep, Maldives, Comorin areas, over many parts of south Bay of Bengal, over central Bay of Bengal, and over Andaman Sea. **Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph** likely to prevail over some parts of southwest Bay of Bengal, southern parts of central Bay of Bengal, some parts of north Andaman Sea.



16 June (Day 5)

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

Squally wind with speed 45 kmph to 55 kmph gusting to 65 kmph likely to prevail along and off Somalia coast and adjoining parts of southwest and westcentral Arabian Sea, many parts of southwest Arabian Sea & adjoining parts of westcentral, southeast Arabian Sea, and Gulf of Mannar. **Squally weather with wind speed 35 - 45 kmph gusting to 55 kmph** likely to prevail along and off Gujarat, Konkan, Goa, Karnataka, Kerala, Sri Lanka, Tamil Nadu,

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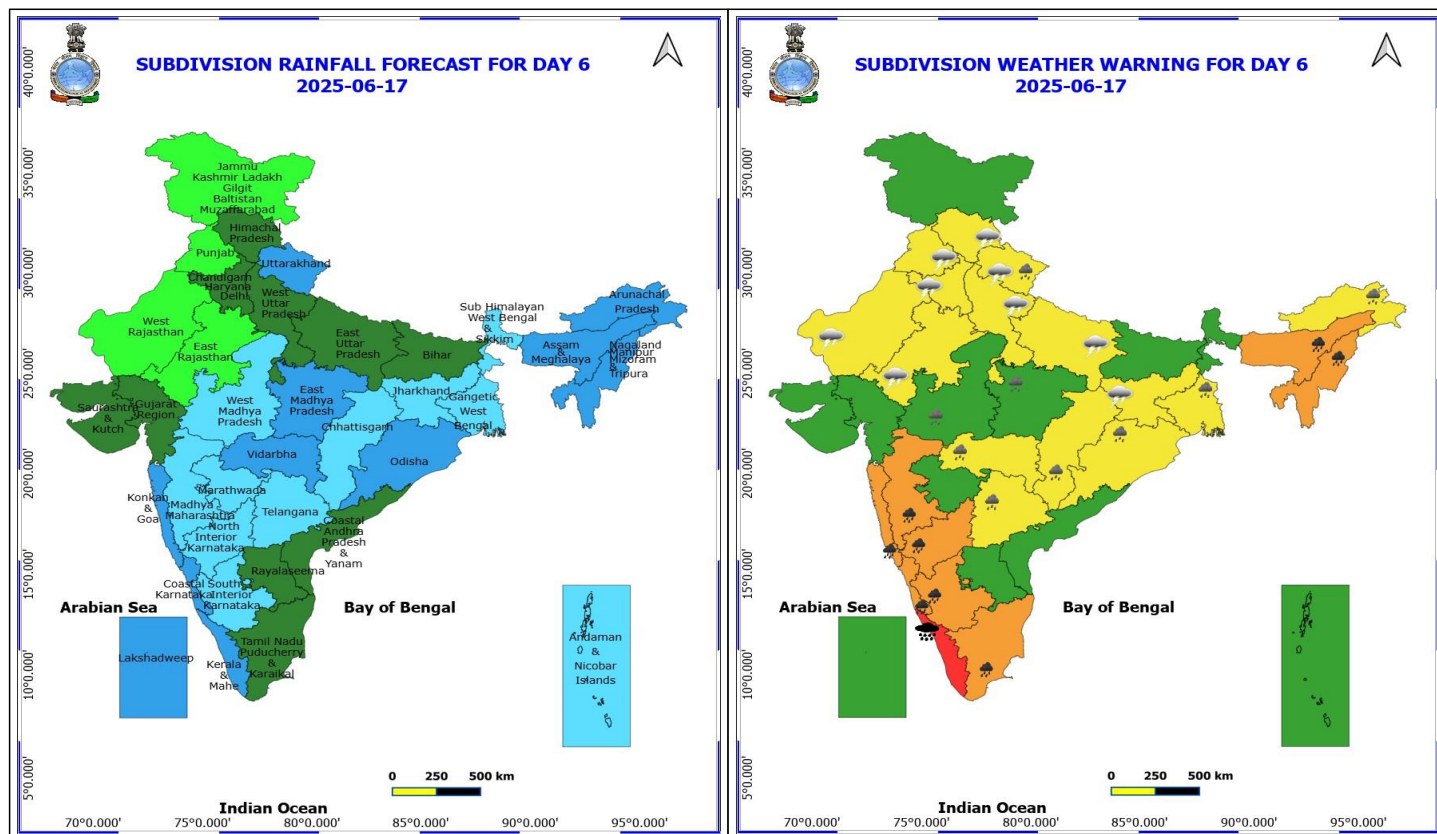
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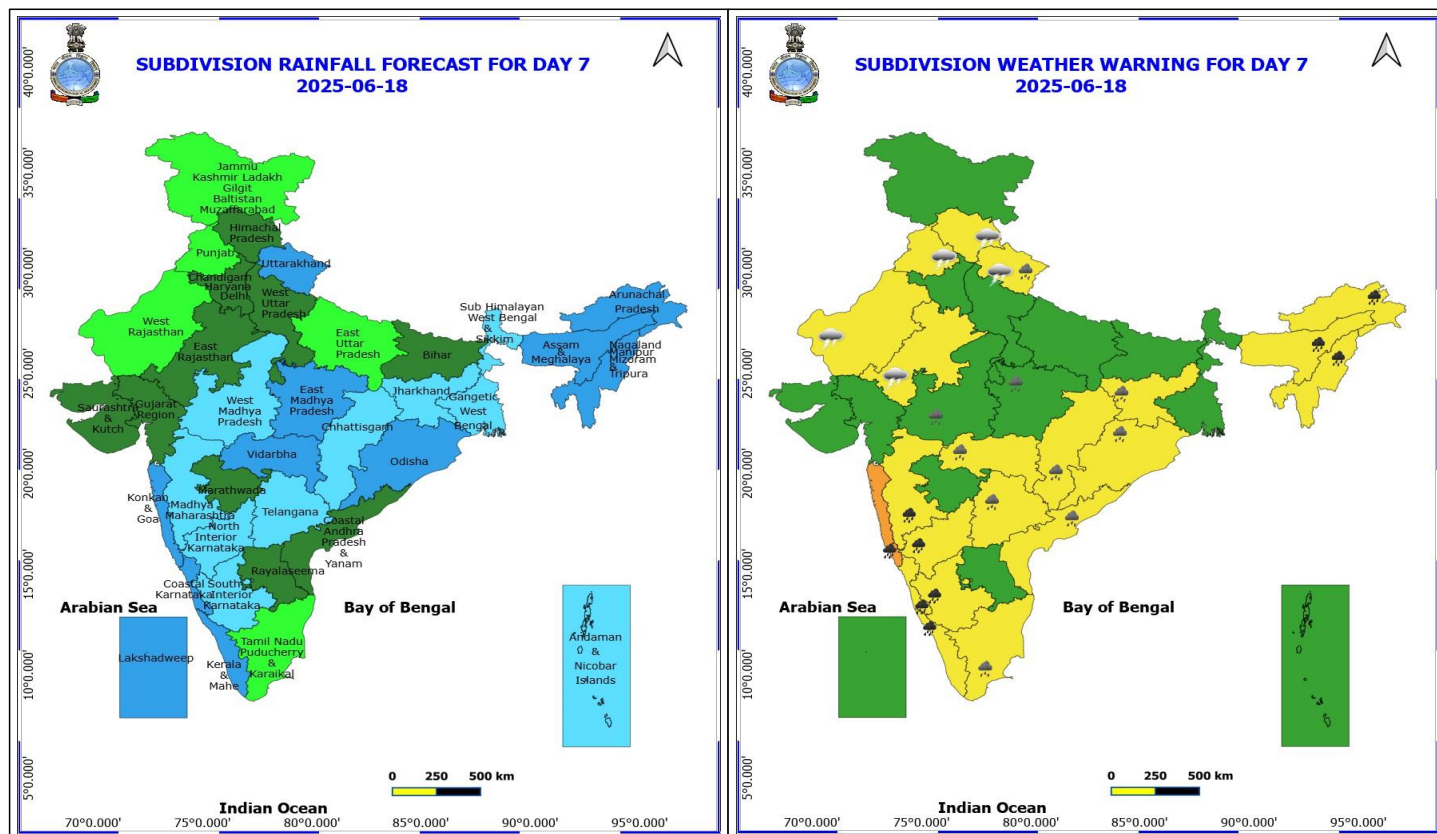
Andhra Pradesh coasts, over southeast Arabian Sea, eastcentral Arabian Sea, most parts of southwest Arabian sea & some parts of westcentral Arabian Sea & northeast Arabian Sea, over Lakshadweep, Maldives, Comorin areas, over northern parts of south Bay of Bengal, over central Bay of Bengal, and over north Andaman Sea. **Squally weather with wind speed 45 - 55 kmph gusting to 65 kmph** likely to prevail over some parts of southwest Bay of Bengal, many parts of central Bay of Bengal, some parts of north Andaman Sea.



17 June (Day 6)

- ❖ **Heavy to Very Heavy Rainfall with isolated Extremely Heavy Rainfall** likely at isolated places over Kerala & Mahe.
- ❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Assam & Meghalaya, Costal Karnataka, Interior Karnataka, Konkan & Goa, Madhya Maharashtra, Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.
- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Chhattisgarh, Gangetic West Bengal, Madhya Pradesh, Odisha, Telangana, Uttarakhand and Vidarbha.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Haryana, Chandigarh & Delhi, Himachal Pradesh, Jharkhand, Punjab, Rajasthan, Uttar Pradesh and Uttarakhand.

No Fishermen Warning



18 June (Day 7)

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

No Fishermen Warning



Table-1

7 Days Rainfall Forecast

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

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Fig. 1: Maximum Temperatures Dated 2025-06-12

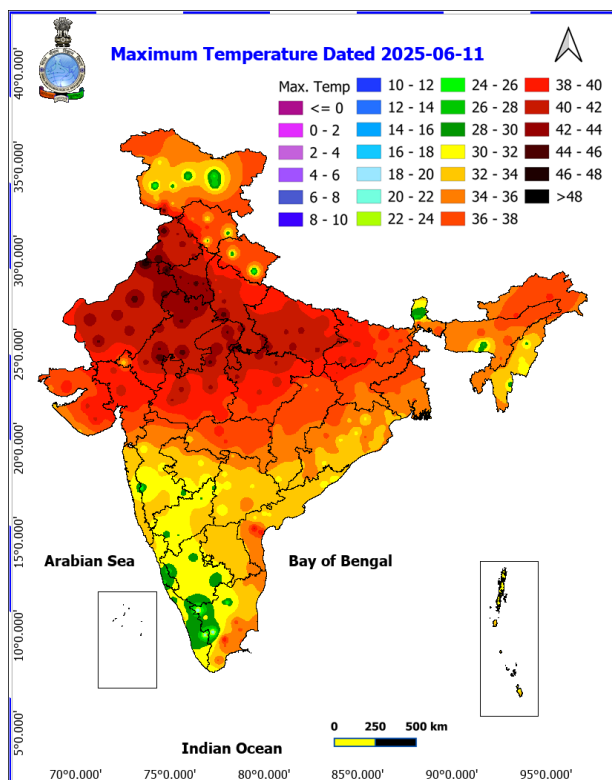


Fig. 2: Departure of Maximum Temp. Dated 2025-06-12

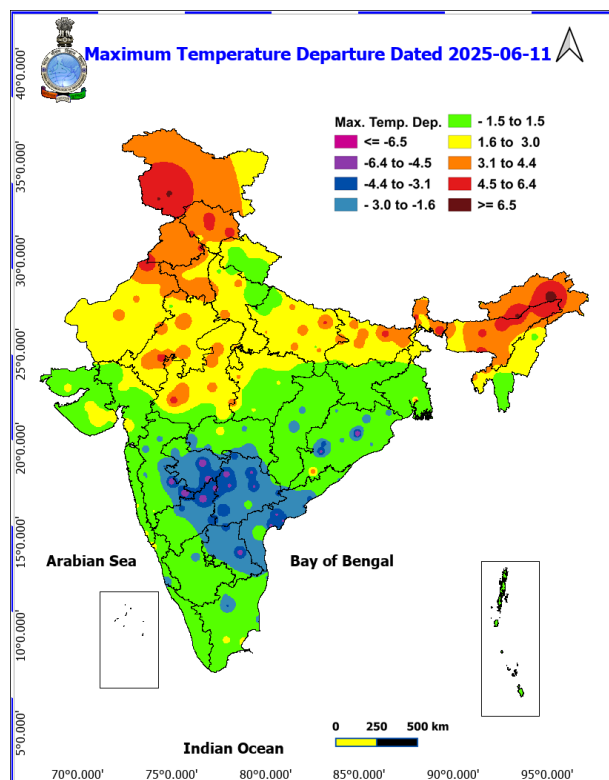


Fig. 3: Minimum Temperatures Dated 2025-06-12

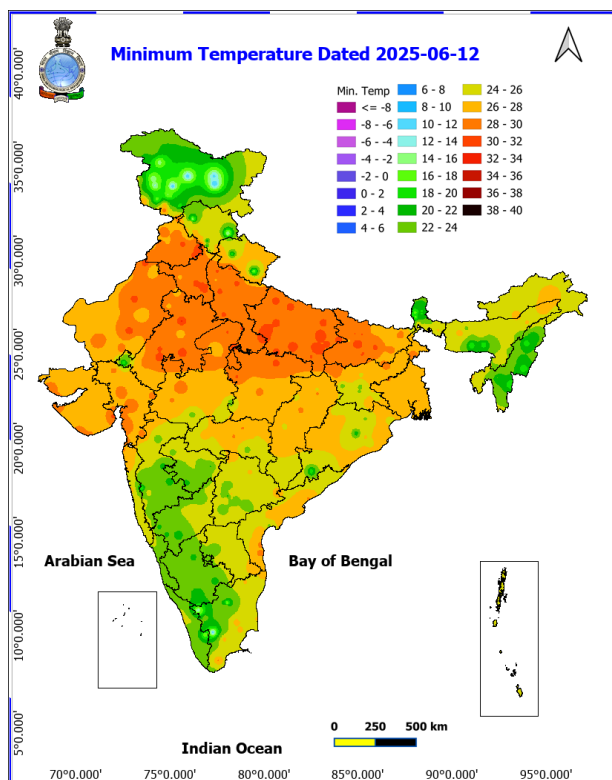
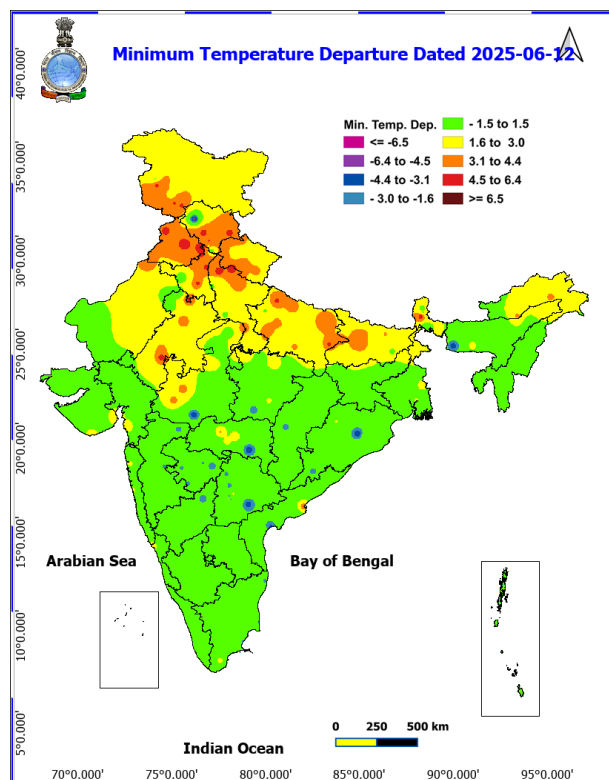
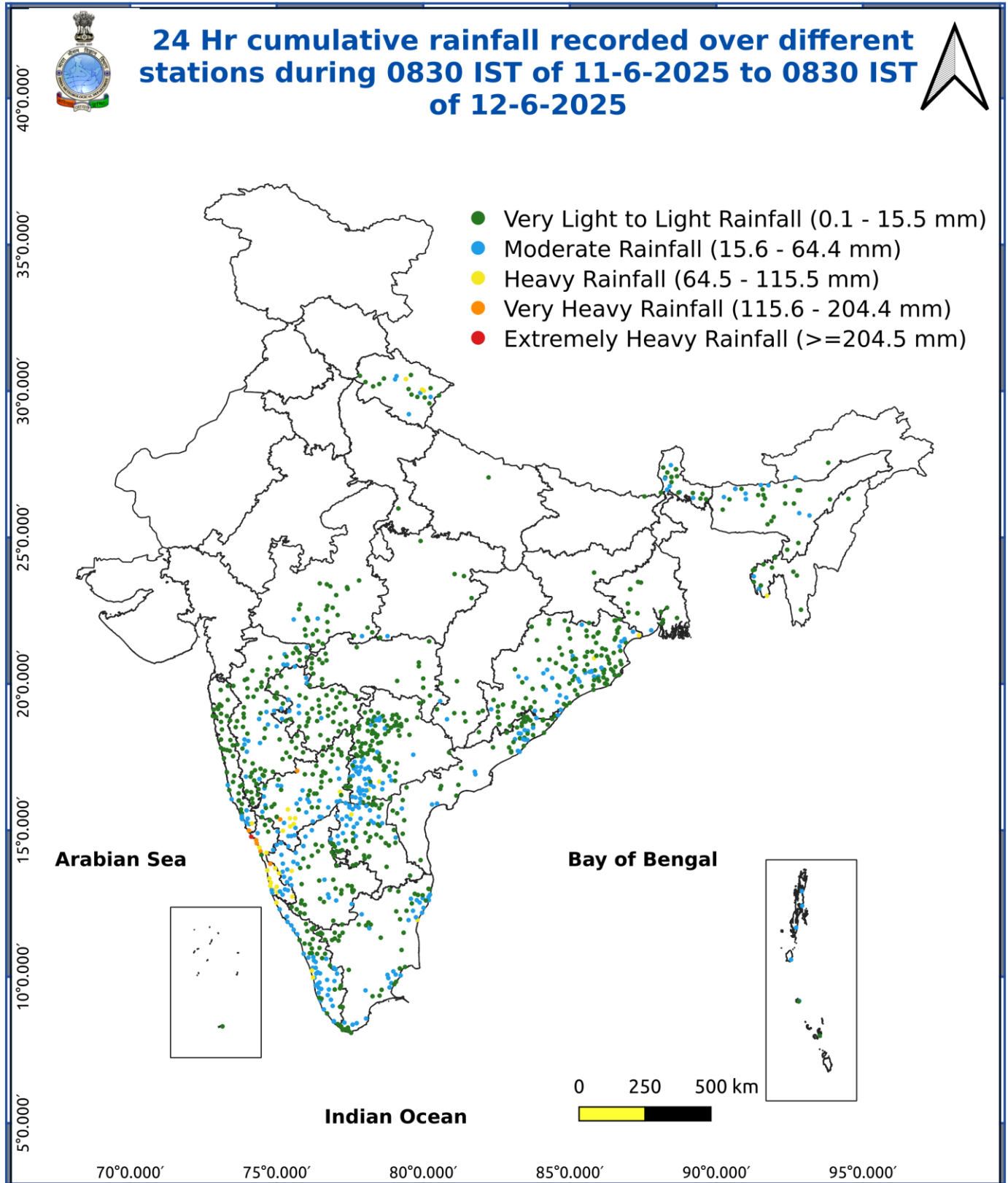


Fig. 4: Departure of Minimum Temp. Dated 2025-06-12





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

Extremely heavy rainfall likely over North Interior Karnataka on 12th, Tamil Nadu Puducherry & Karaikal on 14th & 15th, Kerala & Mahe during 14th-17th, Coastal & South interior Karnataka during 12th-16th, Konkan & Goa during 12th-15th June.

Very heavy rainfall over Tamilnadu Puducherry & Karaikal during 13th-17th, Kerala & Mahe, Karnataka during 12th-18th, Konkan & Goa during 16th-18th; ghat areas of Madhya Maharashtra on 12th & 13th and during 16th-18th Jun Sub-Himalayan West Bengal & Sikkim on 14th and over Odisha on 16th June. Arunachal Pradesh on 18th, Assam & Meghalaya during 16th-18th, Nagaland, Manipur, Mizoram & Tripura on 17th & 18th June.

Impact Expected

Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.

Occasional reduction in visibility due to heavy rainfall.

Disruption of traffic in major cities due to water logging in roads leading to increased travel time. Minor damage to kutch roads.

Possibilities of damage to vulnerable structure.

Localized Landslides/Mudslides/landslips/mudslips/landsinks/mudsinks. Damage to horticulture and standing crops in some areas due to inundation.

It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

Action Suggested

Check for traffic congestion on your route before leaving for your destination. Follow any traffic advisories that are issued in this regard.

Avoid going to areas that face the water logging problems often. Avoid staying in vulnerable structure.

Impact expected and action suggested due to isolated thunderstorm with lightning/gusty & Squally winds over

Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph) at isolated places over Konkan & Goa, Madhya Maharashtra, Marathwada during 12th-14th June. Madhya Pradesh during 14th-16th, Vidarbha during 12th-16th, Chhattisgarh on 12th & 13th, Bihar on 14th June. East Rajasthan on 14th & 15th June.

Strong surface winds (speed 50-60 kmph) over Kerala & Mahe during 14th-16th, Interior Karnataka, Coastal Andhra Pradesh & Yanam, Rayalaseema during 12th-16th June.

Impact expected:

Breaking of tree branches, uprooting of large avenue trees. Large dead limbs blown from trees. Damage to Standing crops.

Minor to Major damage to banana and papaya trees.

Minor to major damage to power and communication lines due to breaking of branches.

Strong wind/hail may damage plantation, horticulture and standing crops.

Partial damage to vulnerable structures due to strong winds.

Minor damage to kutcha houses/walls and huts.

Loose objects may fly.

Action suggested:

People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.

Stay indoors, close windows & doors and avoid travel if possible.

Take safe shelters; do not take shelter under trees.

Do not lie on concrete floors and do not lean against concrete walls.

Unplug electrical/ electronic appliances.

Immediately get out of water bodies.

Keep away from all the objects that conduct electricity.

Impact expected and action suggested due to Severe heat wave/ Heat wave condition:

Heat wave condition very likely at many/some places over Himachal Pradesh & East Rajasthan during 12th-14th with **severe heat wave conditions** at isolated/some parts on 12th June.

Heat wave condition very likely at many/some places over West Rajasthan during 12th-15th with **severe heat wave conditions** at isolated/some parts during 12th-14th June.

Heat wave conditions very likely in some/many places over Jammu-Kashmir, West Uttar Pradesh, Punjab, Haryana Chandigarh & Delhi during 12-14th, East Uttar Pradesh, Madhya Pradesh on 12th & 13th June.

Red alert Areas

Very high likelihood of developing heat illness and heat stroke in all ages.

Extreme care needed for vulnerable people.

Orange alert Areas:

- High temperature & increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.
- High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure— keep cool. Avoid dehydration.
- Drink sufficient water- even if not thirsty.

Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

Yellow alert Areas:

Moderate temperature & heat is tolerable for general public but moderate health concern likely for vulnerable people e.g. infants, elderly, people with chronic diseases.

Avoid heat exposure.

Wear lightweight, light colour, loose, cotton clothes.

Agromet advisories for various parts of the country

Postpone nursery sowing of rice in **Coastal Karnataka** and sowing of onion, cotton, pigeon pea and nursery sowing of rice and tomato in **South Interior Karnataka**.

Drain out excess water and ensure proper drainage in standing crops, vegetables and orchards in **Tamil Nadu, Kerala, Karnataka, Andhra Pradesh, Telangana, Konkan & Goa, Madhya Maharashtra, Marathwada, Uttarakhand, Odisha, Andaman & Nicobar Islands** and **NMMT**.

Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops properly and cover them to minimise the risk of displacement due to strong surface winds.

Provide mechanical support and propping to horticultural crops and staking to vegetables to avoid lodging.

In **Jammu & Kashmir, Himachal Pradesh, Punjab, Haryana, Uttar Pradesh, Rajasthan** and **Madhya Pradesh** apply light and frequent irrigation in the evening to protect standing crops, vegetables and orchards from the adverse effects of heat waves and high temperatures. Undertake mulching with crop residue, straw, polythene or soil to conserve soil moisture.

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Livestock / Poultry / 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.

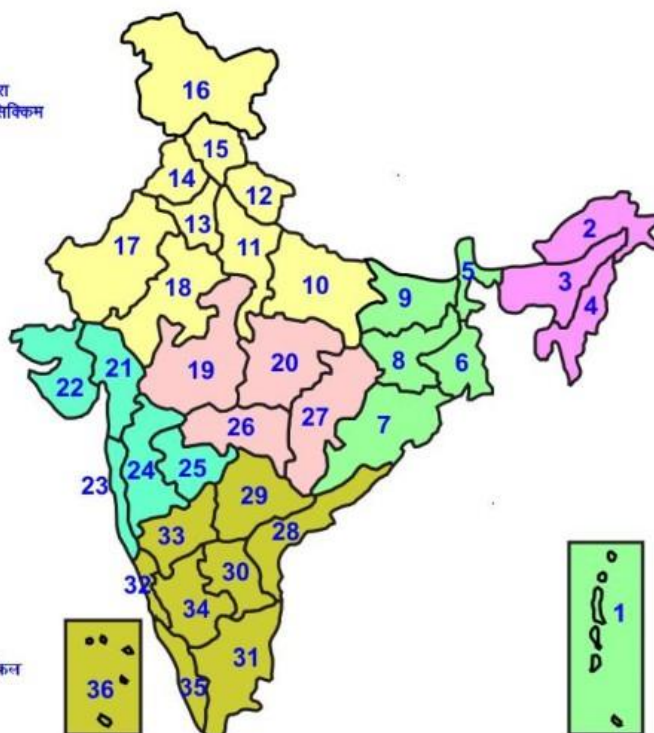
Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

To reduce the effect of heat wave/high temperature, cover the roof of poultry sheds with grass. Also, provide clean, hygienic and plenty of drinking water to animals.

-

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 रायलसेमा
- 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 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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