

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Advance of Southwest Monsoon 2026:

- Southwest monsoon has advanced into some parts of southeast Arabian Sea, southwest and southeast Bay of Bengal, many parts of Andaman Sea, entire Nicobar Islands and some parts of Andaman Islands including Sri Vijaya Puram today, the 16th May 2026. The Northern Limit of Monsoon passes through 5°N/75°E, 6°N/79°E, 8°N/85°E, 10.5°N/90°E, 13.5°N/95°E, and 15.5°N/98°E.
- During past 2 days (a) there has been widespread rainfall activity over Nicobar Islands and adjoining areas of Andaman Islands (b) the strength of westerlies over the region has increased and is around 35 kmph gusting to 45 kmph (c) the strength of westerlies over the region extends upto 4.5 km above mean sea level. (d) the Outgoing Longwave Radiation (OLR) over the region is less than 200 W/m² indicating persistent convective cloud mass over the region. Thus, all the criteria are satisfied for advance of southwest monsoon over the region.
- Conditions are favourable for further advance of southwest monsoon into some more parts of southeast Arabian Sea, southwest and southeast Bay of Bengal, remaining parts of Andaman Islands and Andaman Sea, and some parts of eastcentral Bay of Bengal during next 3-4 days.
- The southwest monsoon is likely to set in over Kerala on 26th May with a model error of ± 4 days.

weather warnings

Northeast India:

Scattered to Fairly widespread light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Nagaland, Manipur, Mizoram & Tripura on 16th & 17th May.

Isolated heavy rainfall likely over Arunachal Pradesh on 16th, 17th & during 20th-22nd; Assam & Meghalaya during 16th-18th & on 21st, 22nd; Nagaland, Manipur, Mizoram & Tripura on 16th, 21st & 22nd May.

South Peninsular India:

Fairly widespread to widespread light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Kerala & Mahe during 16th-20th; Lakshadweep on 16th & 17th May.

Isolated to scattered light to moderate rainfall with **thunderstorm, lightning & gusty winds (40-50 kmph)** likely over Rayalaseema during 16th-20th; Coastal Andhra Pradesh & Yanam during 18th-20th; South Interior Karnataka on 16th May.

Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph) likely over Rayalaseema on 19th & 20th May.

Isolated Heavy rainfall also likely over Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka during 16th-19th; Kerala & Mahe during 16th-18th; Lakshadweep on 16th & 17th May.

Hailstorm activity likely at isolated places over South Interior Karnataka on 16th May.

East India:

Fairly widespread to widespread light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Andaman & Nicobar Islands during 16th-22nd; Sub-Himalayan West Bengal & Sikkim during 16th-18th & on 20th May.

Isolated to scattered light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)**

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)likely over Gangetic West Bengal during 16th-18th; Bihar during 16th-22nd; Jharkhand & Odisha during 16th-20th May.

Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph) likely over Andaman & Nicobar Islands during 16th-18th; Bihar on 16th; Jharkhand on 16th, 19th & 20th May.

Isolated heavy rainfall likely over Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim during 16th-18th May **with isolated very heavy rainfall over Andaman & Nicobar Islands on 16th & 17th; Sub-Himalayan West Bengal & Sikkim on 17th May.**

Northwest India:

Fairly widespread light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Jammu-Kashmir on 16th, 19th & 20th May. **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Uttarakhand on 16th May.

Central India:

Isolated light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over East Madhya Pradesh on 16th; Chhattisgarh during 16th-18th May.

West India:

Isolated light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Madhya Maharashtra on 16th & 17th and Marathwada during 16th – 18th May.

Forecast of maximum/day temperatures:

Gradual rise in maximum temperatures by 3-4°C likely over Western Himalayan region India till 19th and no significant change during 20th-22nd May.

Gradual rise in maximum temperatures by 3-5°C likely over plains of Northwest India till 20th and no significant change on 21st & 22nd May.

No significant change in maximum temperatures likely over Maharashtra and Gujarat State till 18th and gradual fall by 2-3°C during 19th -22nd May.

No significant change in maximum temperatures likely over rest parts of the country till 22nd May 2026.

Heat Wave, Hot & Humid weather conditions warning:

Heat wave conditions in isolated pockets likely to prevail over West Rajasthan during 16th -22nd with **severe heat wave conditions** in isolated pockets on 21st & 22nd May.

Heat wave conditions in isolated/ some pockets likely to prevail over Uttar Pradesh during 16th -22nd with **severe heat wave conditions** in isolated/ some pockets during 19th -22nd May.

Heat wave conditions in isolated pockets likely to prevail over West Madhya Pradesh during 16th-20th; East Madhya Pradesh & Vidarbha during 16th-22nd; East Rajasthan during 17th-22nd; Punjab, Haryana Chandigarh & Delhi during 18th-22nd; Chhattisgarh during 20th-22nd May.

Hot and humid conditions very likely to prevail in isolated pocket over Konkan & Goa on 16th May.

Main Weather Observations:

❖ **Rainfall distribution** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places** over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim and Gangetic West Bengal; **at many places** over Nagaland, Manipur, Mizoram & Tripura and Kerala & Mahe; **at a few places** over Uttarakhand, Tamil Nadu, Puducherry & Karaikal and Lakshadweep; **at isolated places** over Odisha, Jharkhand, Bihar, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, West Madhya Pradesh, East Madhya Pradesh, Chhattisgarh, Telangana and Rayalaseema; **Dry** over rest of the country.

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Sub Himalayan West Bengal & Sikkim:** Oodlabari Tea Estate (dist Jalpaiguri) 18; Jhallong (dist Kalimpong) 14; Sevoke (dist Darjeeling) 12; Mangan (dist Mangan) 9; Chalouni Tea Estate (dist Jalpaiguri), Leesh River Tea Garden (dist Jalpaiguri), Nagarkata (dist Jalpaiguri) 8 Each; Domohani (dist Jalpaiguri), Gangtok (dist Gangtok), Singhik (dist Mangan), Dharala Valley Tea Esta (dist Jalpaiguri), Good Hope Tea Estate (dist Jalpaiguri), Kumlai T.e. (dist Jalpaiguri), Maynaguri College (dist Jalpaiguri), Mogulkata Tea Estate (dist Jalpaiguri), Tra Nagrakata (dist Jalpaiguri), Siliguri PTO (dist Darjeeling) 7 Each; Champasari (dist Darjeeling), Gajoldoba (dist Jalpaiguri), Jalpaiguri (dist Jalpaiguri), Denguajhar Tea Garden (dist Jalpaiguri), Ghish (dist Jalpaiguri), Hilla T.e. (dist Jalpaiguri), Indong T.e. (dist Jalpaiguri), Jiti T.e. (dist Jalpaiguri) 6 Each; **Assam & Meghalaya:** Karimganj (dist Sribhumi) 17; B P Ghat (dist Sribhumi) 15; Manikpur ARG (dist Bongaigaon) 11; Williamnagar (dist East Garo Hills), Silchar (dist Cachar) 7 Each; A P Ghat (dist Cachar), Numaligarh (dist Golaghat) 6 Each; **Tamil Nadu, Puducherry & Karaikal:** Puducherry (dist Puducherry) 7; **Chhattisgarh:** Patan (dist Durg) 6; **Nagaland, Manipur, Mizoram & Tripura:** Chottabekra (dist Imphal West), Kailashahar AP (dist Unakoti), Kailashahar AWS (dist Unakoti) 6 Each; **Gangetic West Bengal:** Suri PTO (dist Birbhum) 6.

❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today):**Heavy to very heavy rain** at isolated places over Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim. **Heavy rain** at isolated places over Chhattisgarh and Tamil Nadu, Puducherry & Karaikal.

❖ **Hailstorm** reported at isolated places over Jammu-Kashmir, Uttarakhand and East Madhya Pradesh.

❖ **Heat wave conditions** prevailed in isolated pockets over West Madhya Pradesh, Vidarbha and Saurashtra & Kutch.

❖ **Minimum Temperature Departures (as on 16-05-2026): markedly above normal(> 5.1°C)** at few places over East Madhya Pradesh; at isolated places over Assam & Meghalaya, Bihar, West Uttar Pradesh, East Rajasthan, West Madhya Pradesh and Coastal Andhra Pradesh & Yanam. **appreciably above normal(3.1°C to 5.0°C)** at few places over Saurashtra & Kutch, Rayalaseema and Coastal Karnataka; at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Odisha, Bihar, East Uttar Pradesh, Himachal Pradesh, West Rajasthan, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Konkan & Goa, Tamil Nadu, Puducherry & Karaikal and North Interior Karnataka. **above normal(1.6°C to 3.0°C)** at few places over Andaman & Nicobar Islands, Odisha, West Rajasthan, Madhya Maharashtra, Vidarbha, Telangana, Rayalaseema, North Interior Karnataka, South Interior Karnataka and Lakshadweep; at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Jharkhand, Bihar, East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Konkan & Goa, Marathwada, Chhattisgarh, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. **near normal(-1.5°C to 1.5°C)** at many places over Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Jharkhand, Bihar, East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Marathwada, Vidarbha, Coastal Karnataka, South Interior Karnataka and Kerala & Mahe; at most places over Arunachal Pradesh, Assam & Meghalaya, Punjab, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal; at few places over Andaman & Nicobar Islands, Odisha, Uttarakhand, West Rajasthan, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Telangana, Rayalaseema, North Interior Karnataka and Lakshadweep; at isolated places over Haryana-Chandigarh-Delhi and Chhattisgarh. **The lowest minimum temperature** of 18.6°C was reported at PENDRA ROAD (CHATTISGARH) over the Plains of India.

❖ **Maximum Temperature Departures (as on 15-05-2026): markedly above normal(> 5.1°C)** at many places over Haryana-Chandigarh-Delhi and Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad; at few places over West Madhya Pradesh and Vidarbha; at isolated places over Punjab, Himachal Pradesh, West Rajasthan, East Rajasthan, East Madhya Pradesh and Coastal Andhra Pradesh & Yanam. **appreciably above normal(3.1°C to 5.0°C)** at few

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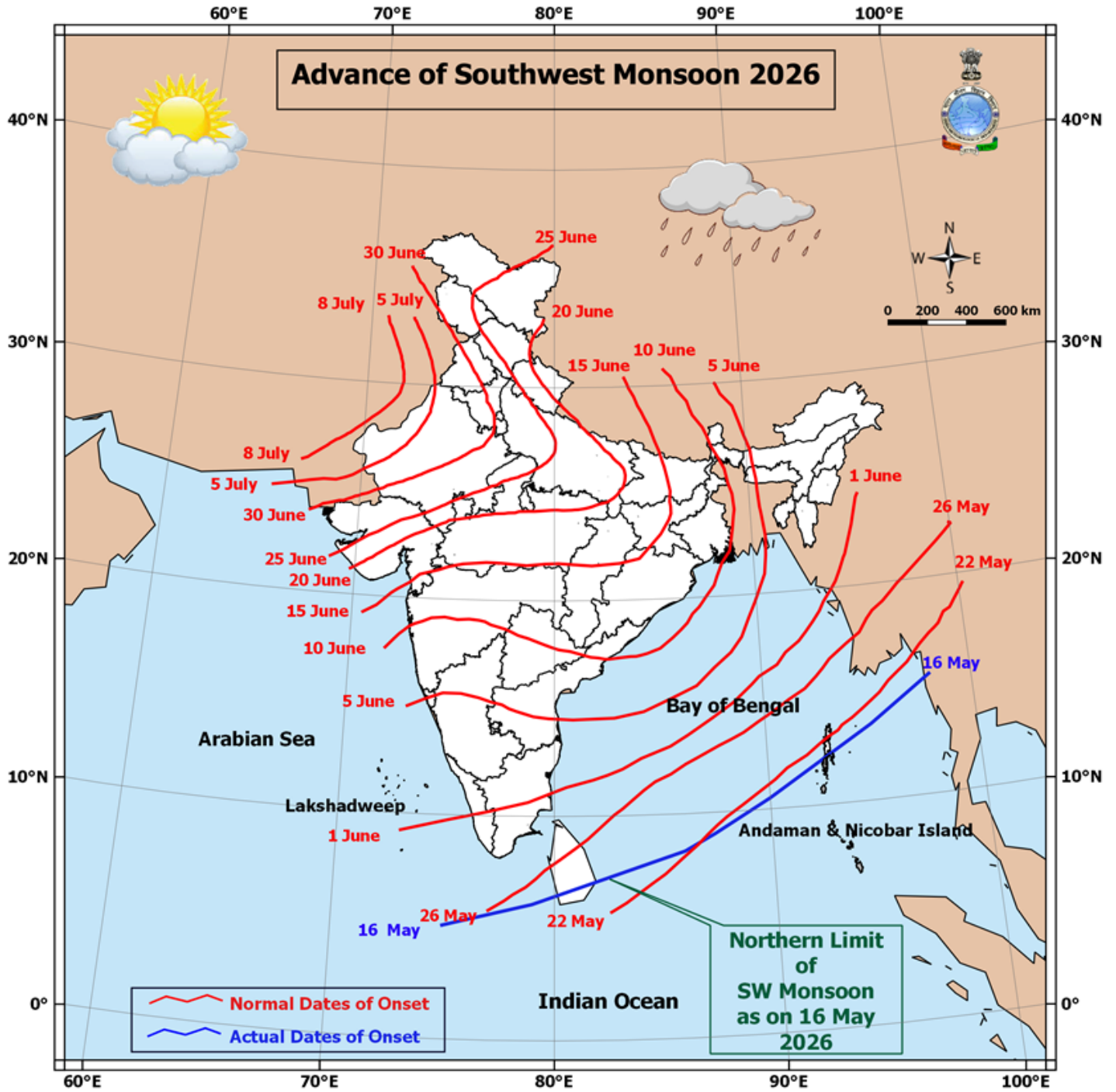
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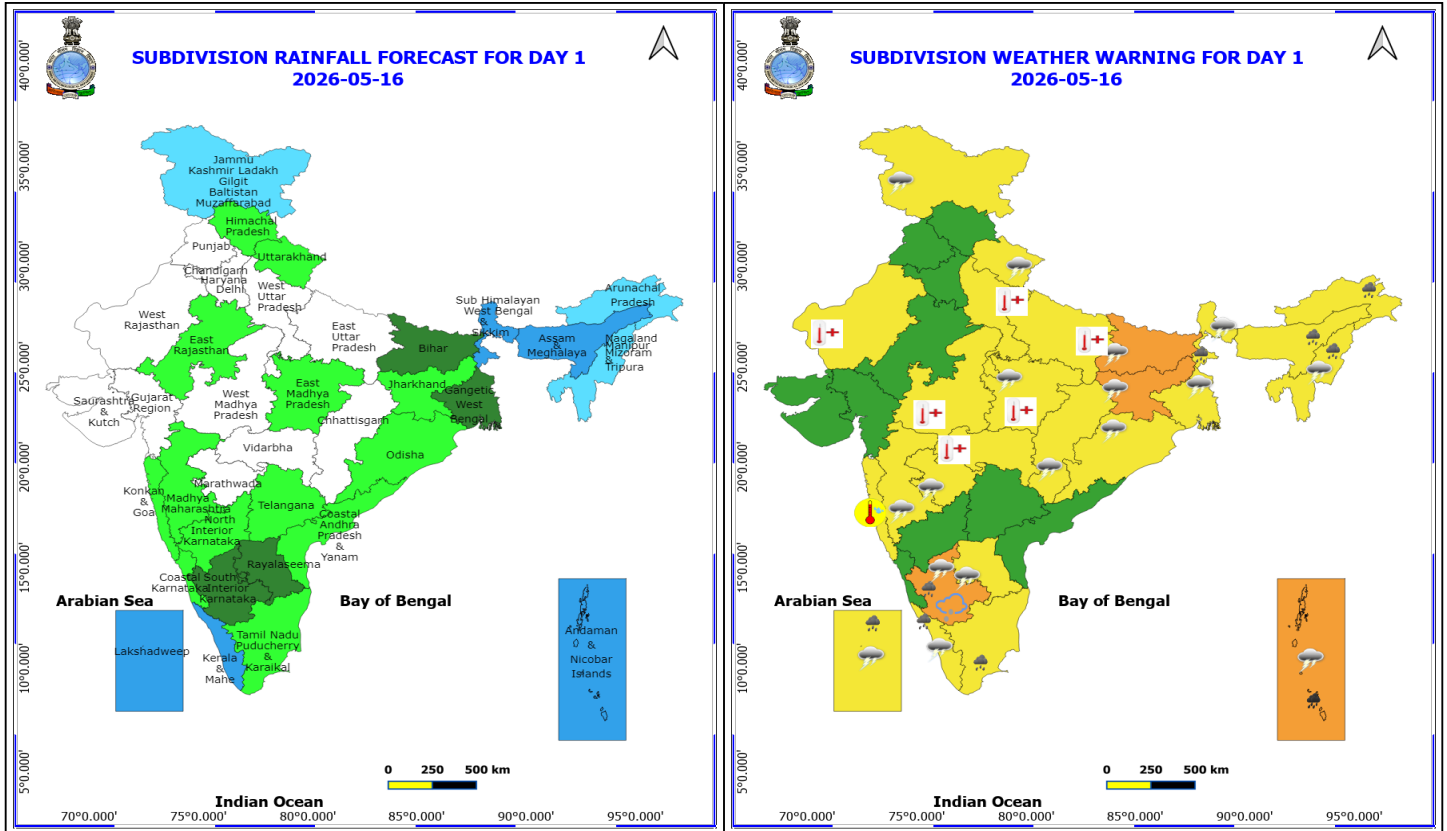
places over West Uttar Pradesh, Gujarat Region and Marathwada; at isolated places over Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Odisha, Bihar, East Uttar Pradesh, Uttarakhand, Saurashtra & Kutch, Konkan & Goa and Telangana. **above normal(1.6°C to 3.0°C)** at few places over Madhya Maharashtra and Rayalaseema; at isolated places over Nagaland, Manipur, Mizoram & Tripura and Chhattisgarh. **near normal(-1.5°C to 1.5°C)** at many places over Jharkhand, North Interior Karnataka and Lakshadweep; at most places over Arunachal Pradesh, Assam & Meghalaya and Coastal Karnataka; at few places over Andaman & Nicobar Islands, South Interior Karnataka and Kerala & Mahe; at isolated places over Tamil Nadu, Puducherry & Karaikal. **The highest maximum temperature** of 45.2°C was reported at BANDA (UTTAR PRADESH), and PHALODI-OBS (RAJASTHAN).

Meteorological Analysis (Based on 0830 hours IST)

- The **Southwest Monsoon** is likely to set in over Kerala on 26th May with a model error of ± 4 days.
- **Southwest monsoon** has advanced into some parts of southeast Arabian Sea, southwest and southeast Bay of Bengal, many parts of Andaman Sea, entire Nicobar Islands and some parts of Andaman Islands including Sri Vijaya Puram today, the 16th May 2026. The Northern Limit of Monsoon passes through 5°N/75°E, 6°N/79°E, 8°N/85°E, 10.5°N/90°E, 13.5°N/95°E, and 15.5°N/98°E.
- During past 2 days (a) there has been widespread rainfall activity over Nicobar Islands and adjoining areas of Andaman Islands (b) the strength of westerlies over the region has increased and is around 35 kmph gusting to 45 kmph (c) the strength of westerlies over the region extends upto 4.5 km above mean sea level. (d) the Outgoing Longwave Radiation (OLR) over the region is less than 200 W/m² indicating persistent convective cloud mass over the region. Thus, all the criteria are satisfied for advance of southwest monsoon over the region.
- Conditions are favourable for further advance of southwest monsoon into some more parts of southeast Arabian Sea, southwest and southeast Bay of Bengal, remaining parts of Andaman Islands and Andaman Sea, and some parts of eastcentral Bay of Bengal during next 3-4 days.
- The **well-marked low-pressure area** over southwest & adjoining westcentral Bay of Bengal lay as a low pressure area over the same region at 0830 hrs IST of today, the 16th May 2026. The associated cyclonic circulation extends upto 4.5 km above mean sea level tilting southwestwards with height.
- The **upper air cyclonic circulation** over north coastal Tamil Nadu & neighbourhood merged with the above system.
- The **Western Disturbance** is seen as a cyclonic circulation over Jammu adjoining north Pakistan at 3.1 km above mean sea level persists with a trough aloft in middle tropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along Long. 70°E to the north of Lat. 33°N.
- An **upper air cyclonic circulation** lies over south Rajasthan & neighbourhood at 3.1 km above mean sea level.
- An **upper air cyclonic circulation** lies over east Rajasthan & neighbourhood at 0.9 km above mean sea level.
- An **upper air cyclonic circulation** lies over central Uttar Pradesh & neighbourhood and extends upto 1.5 km above mean sea level.
- An **upper air cyclonic circulation** lies over northwest Uttar Pradesh & adjoining Uttarakhand at 0.9 km above mean sea level.
- The **upper air cyclonic circulation** over northeast Vidarbha & neighbourhood persists and now seen upto 1.5 km above mean sea level.
- The **trough** from the above **upper air cyclonic circulation** over northeast Vidarbha & neighbourhood to Coastal Karnataka across Telangana and Interior Karnataka at 0.9 km above mean sea level persists.
- The **east-west trough** now runs from north Bihar to south Assam across North Gangetic West Bengal at 0.9 km.



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16 May (Day 1)

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

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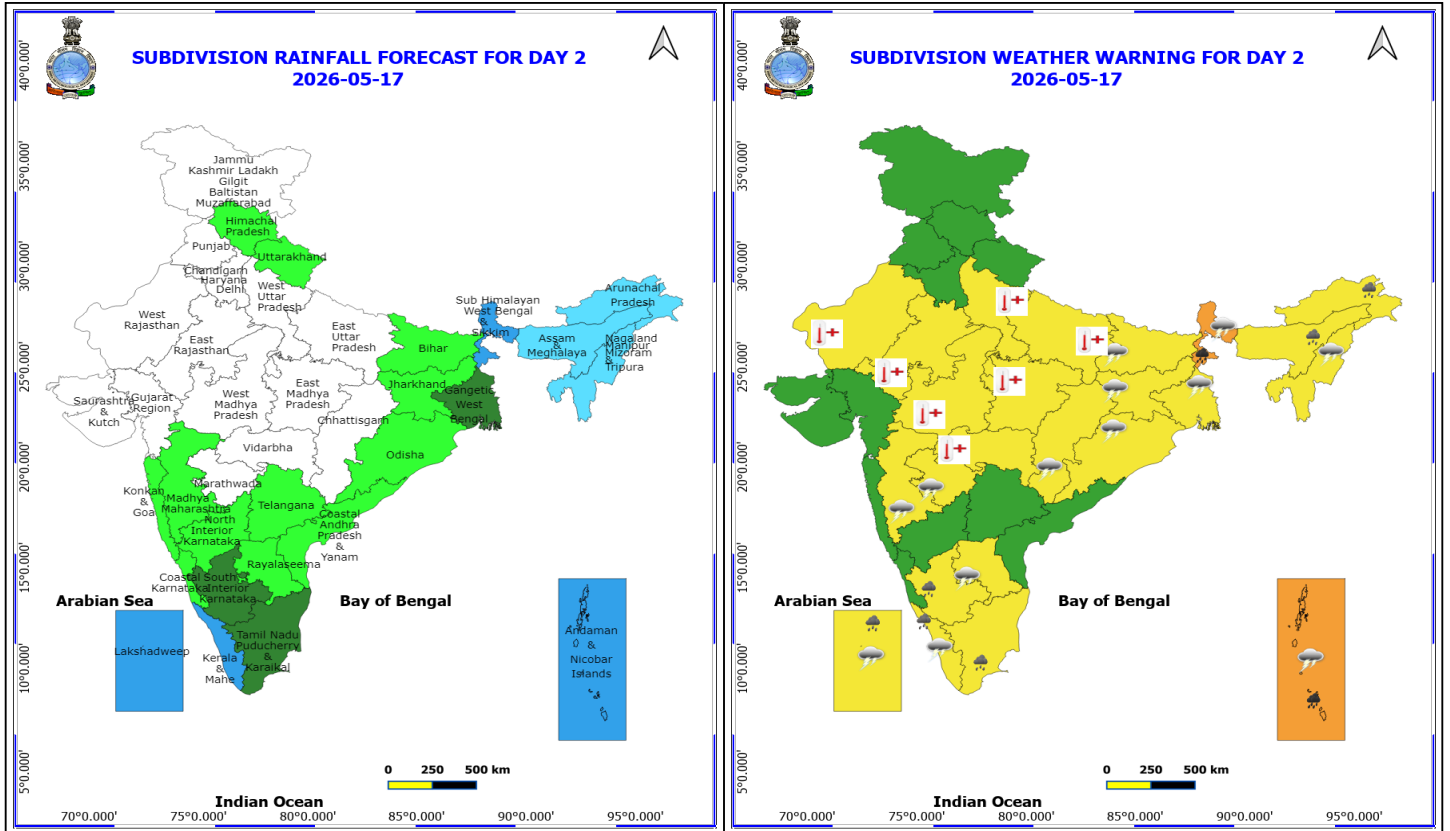
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❖ **Hot and Humid weather** very likely at isolated places over Konkan & Goa.

❖ **Arabian Sea:** Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail along and off Keralam coast, over Lakshadweep area. Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off south Somalia coast.

❖ **Bay of Bengal:** Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over Gulf of Mannar, adjoining Comorin area, most parts of south Bay of Bengal, most parts of eastcentral Bay of Bengal, adjoining westcentral Bay of Bengal, over Andaman Sea.



17 May (Day 2)

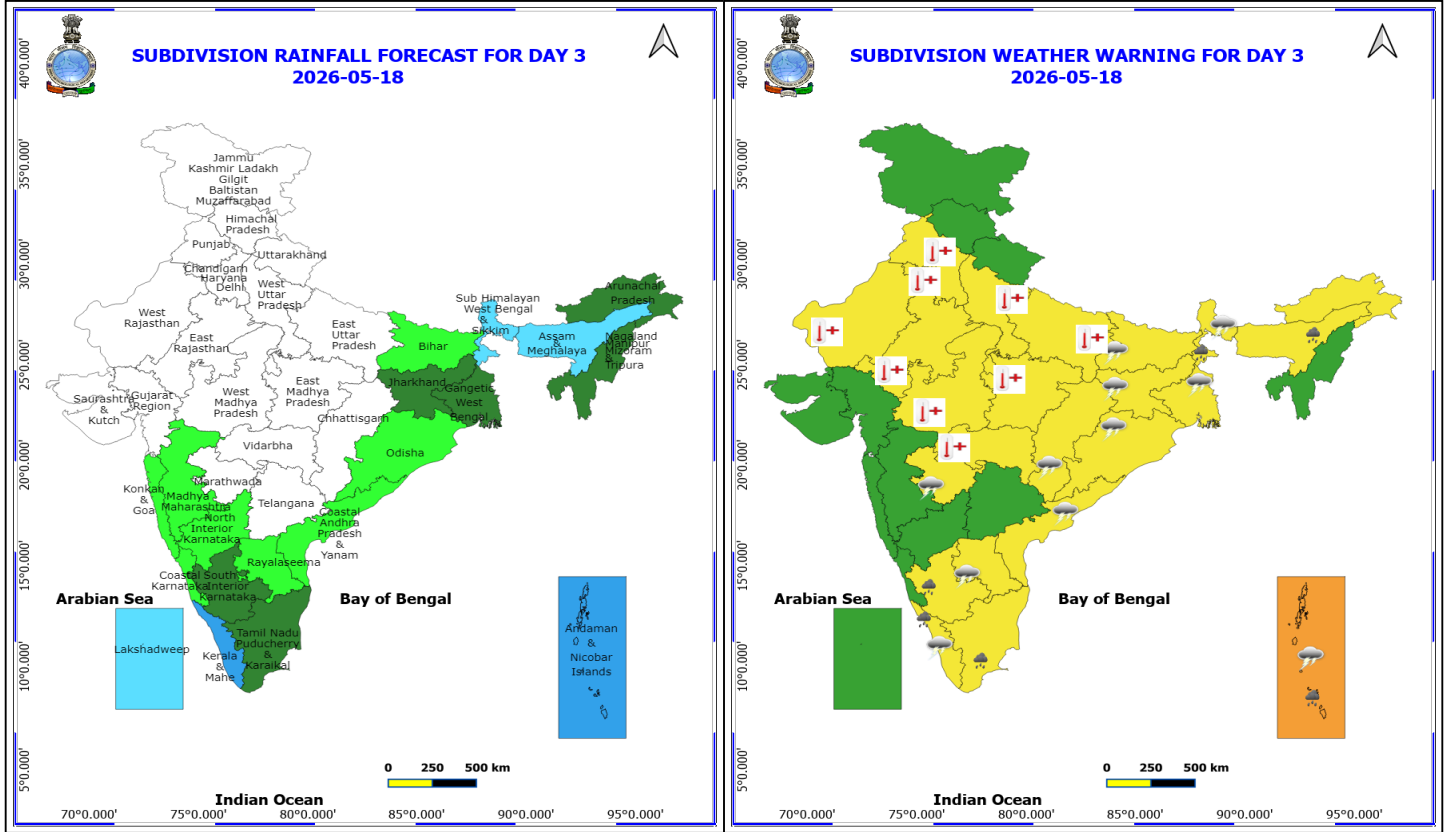
- ❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Andaman & Nicobar Islands and Sub Himalayan West Bengal & Sikkim.
- ❖ **Heavy Rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Kerala & Mahe, Lakshadweep, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Bihar, Chhattisgarh, Jharkhand, Kerala & Mahe, Lakshadweep, Madhya Maharashtra, Marathwada, Nagaland, Manipur, Mizoram and Tripura, Odisha, Rayalaseema and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Assam & Meghalaya, Coastal Andhra Pradesh, Himachal Pradesh, Interior Karnataka, Konkan & Goa, Tamil Nadu Puducherry & Karaikal, Telangana and Uttarakhand.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh.
- ❖ **Heat Wave conditions** very likely at isolated places over Madhya Pradesh, Rajasthan, Uttar Pradesh and Vidarbha.
- ❖ **Arabian Sea:** Squally wind with speed 45-55 kmph gusting to 65 kmph is likely to prevail along and off south Somalia coast.
- ❖ **Bay of Bengal:** Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over Gulf of

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Mannar, adjoining Comorin area, many parts of south Bay of Bengal, most parts of eastcentral Bay of Bengal, adjoining parts of westcentral & northeast Bay of Bengal, along and off Myanmar coast, over Andaman Sea.

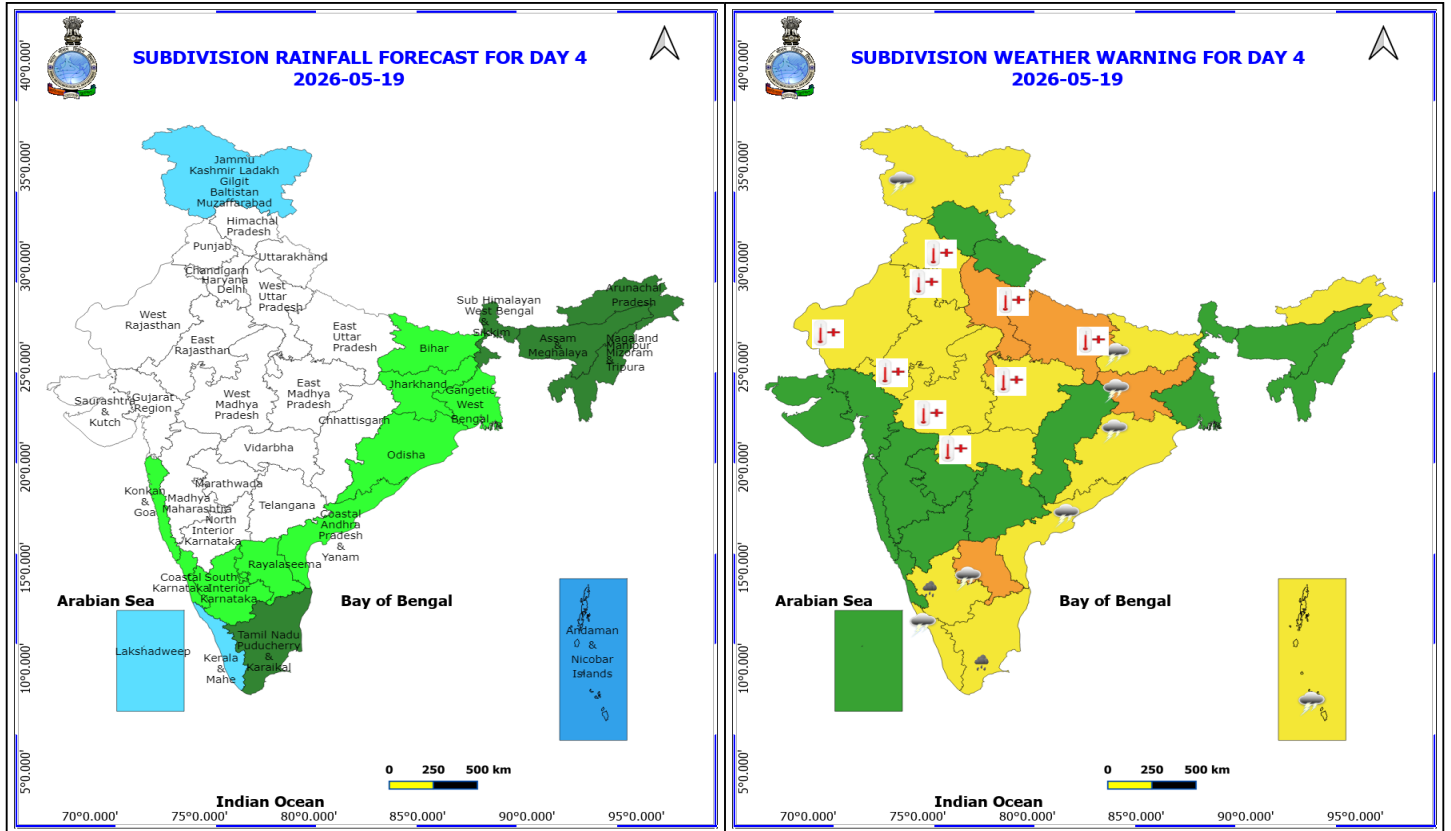


18 May (Day 3)

- ❖ **Heavy Rainfall** very likely at isolated places over Assam & Meghalaya, Kerala & Mahe, South Interior Karnataka, Sub Himalayan West Bengal & Sikkim and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** very likely at isolated places over Andaman & Nicobar Islands.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Bihar, Chhattisgarh, Jharkhand, Kerala & Mahe, Marathwada, Odisha and West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Assam & Meghalaya, Interior Karnataka, Nagaland, Manipur, Mizoram and Tripura and Tamil Nadu Puducherry & Karaikal.
- ❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Arunachal Pradesh.
- ❖ **Heat Wave conditions** very likely at isolated places over Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab, Rajasthan, Uttar Pradesh and Vidarbha.
- ❖ **Bay of Bengal:** Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over Gulf of Mannar, adjoining Comorin area, many parts of south Bay of Bengal, most parts of eastcentral Bay of Bengal, adjoining parts of westcentral & northeast Bay of Bengal, along and off Myanmar coast, over Andaman Sea.

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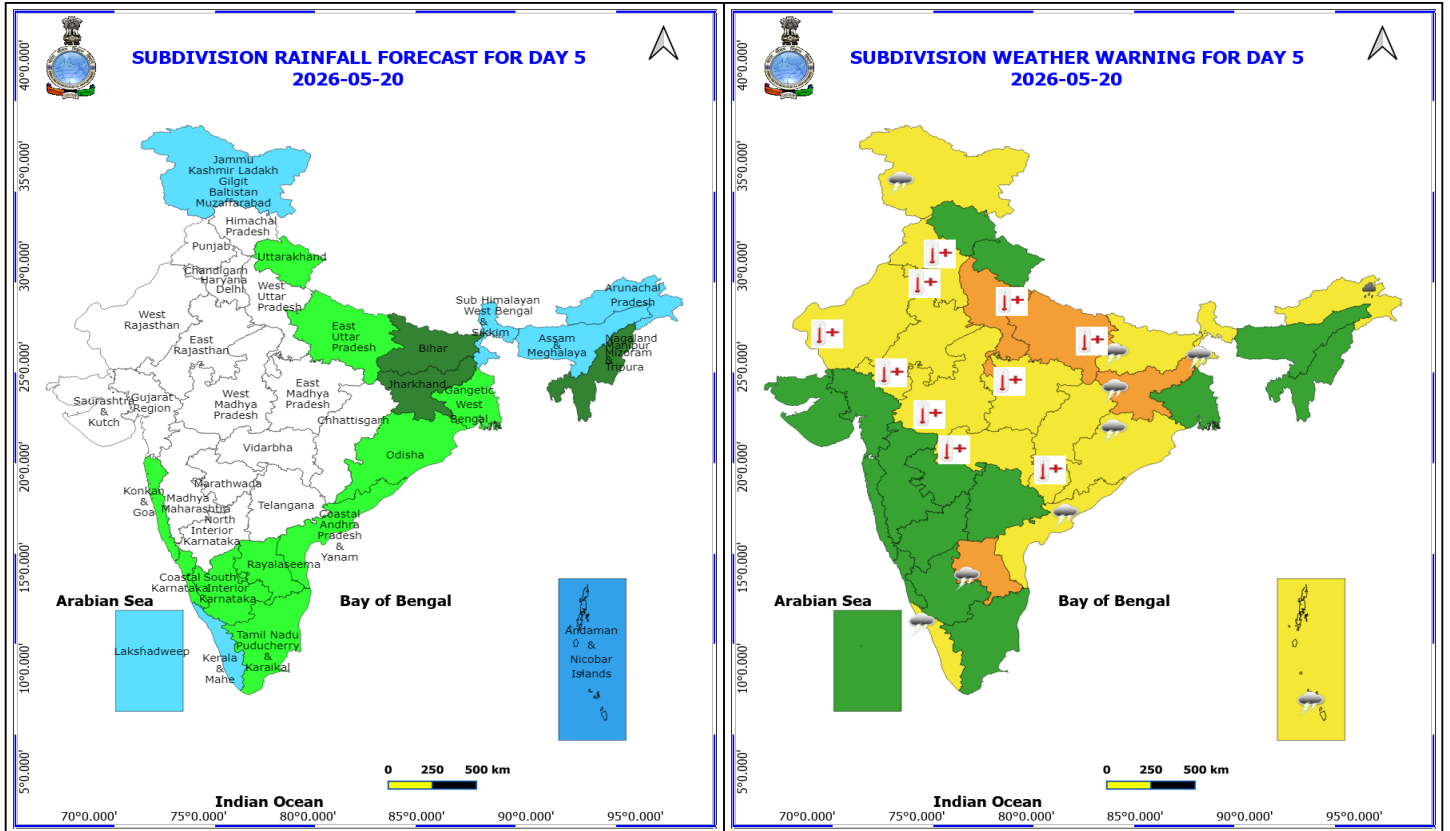
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19 May (Day 4)

- ❖ **Heavy Rainfall** likely at isolated places over Assam & Meghalaya, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
 - ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Jharkhand and Rayalaseema.
 - ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Coastal Andhra Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe and Odisha.
 - ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram and Tripura, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.
 - ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Arunachal Pradesh.
 - ❖ **Heat Wave conditions** likely at isolated places over Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab, Rajasthan and Vidarbha.
 - ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over Uttar Pradesh.
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- ❖ **Bay of Bengal:** Squally Weather with wind speed 40-50 kmph gusting to 60 kmph is likely to prevail over many parts of southeast & adjoining parts of southwest Bay of Bengal, some parts of eastcentral Bay of Bengal, over Andaman Sea.

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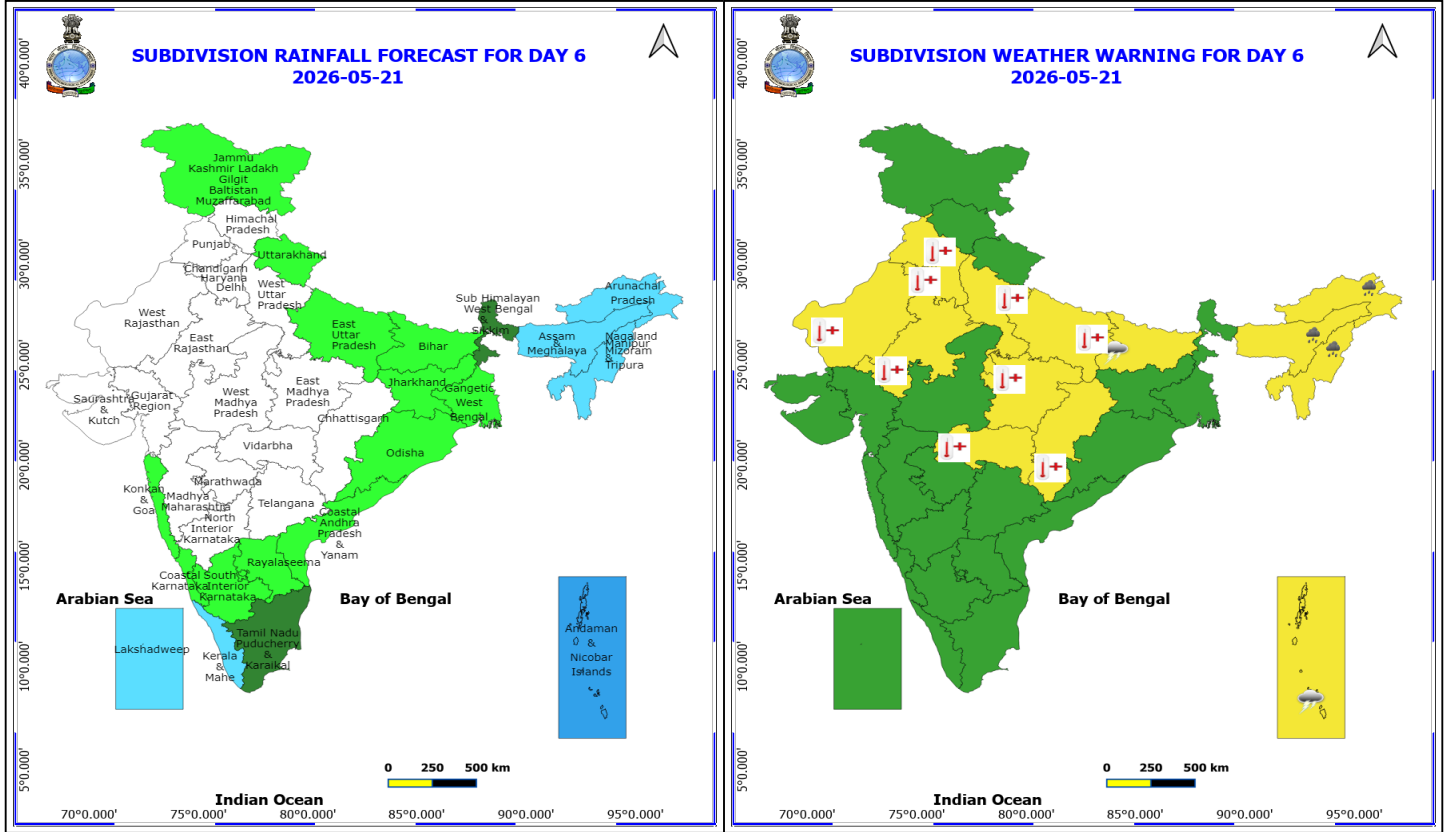
20 May (Day 5)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh.
- ❖ **Thundersquall with wind speed reaching(50-60kmph)** likely at isolated places over Jharkhand and Rayalaseema.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar, Coastal Andhra Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Kerala & Mahe, Odisha and Sub Himalayan West Bengal & Sikkim.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over South Interior Karnataka.
- ❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, Haryana, Chandigarh & Delhi, Madhya Pradesh, Punjab, Rajasthan and Vidarbha.
- ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over Uttar Pradesh.

No Fishermen Warning

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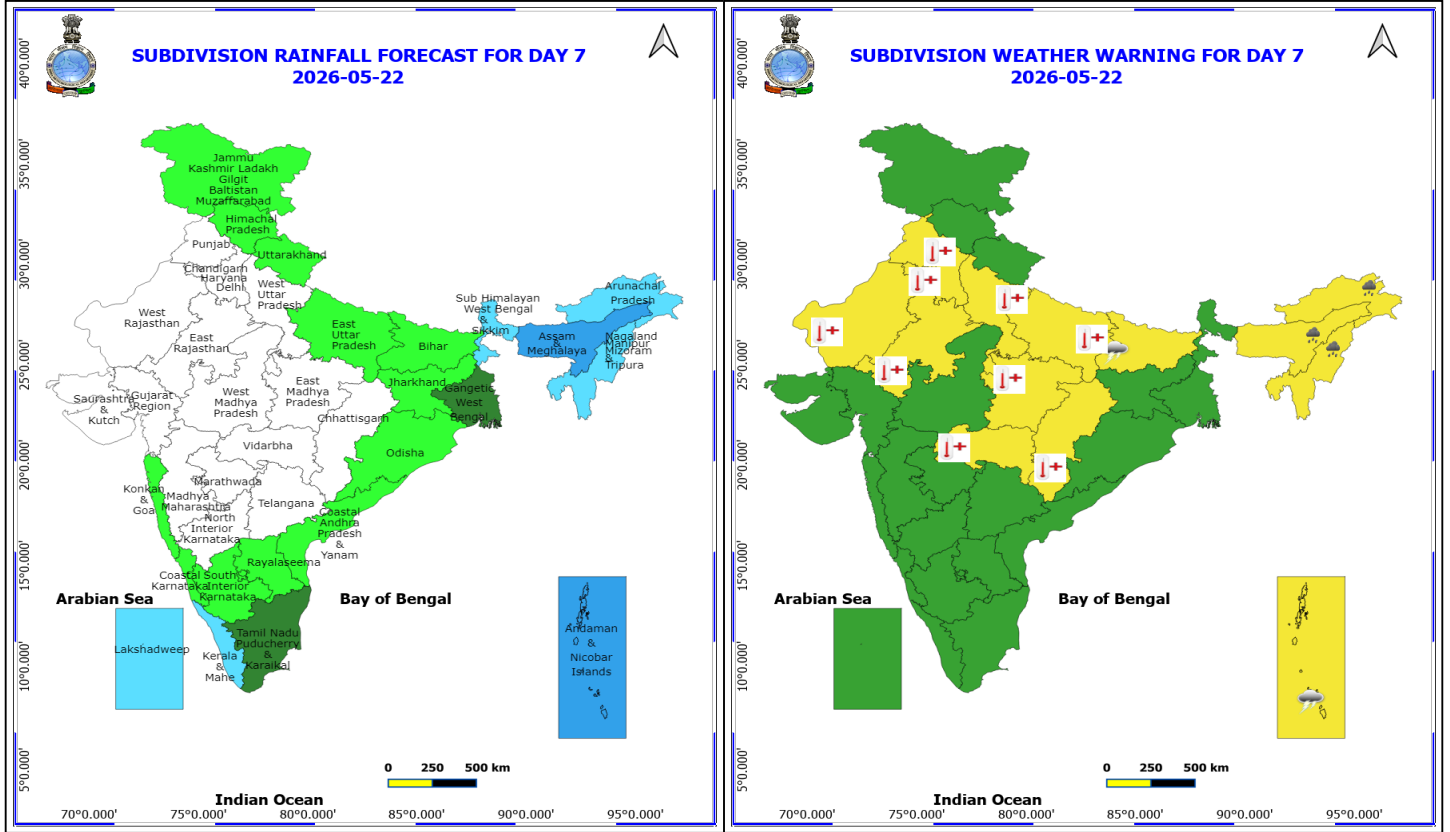
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21 May (Day 6)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar and Jharkhand.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, East Madhya Pradesh, East Rajasthan, Haryana, Chandigarh & Delhi, Punjab and Vidarbha.
- ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over Uttar Pradesh and West Rajasthan.

No Fishermen Warning



22 May (Day 7)

- ❖ **Heavy Rainfall** likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- ❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Andaman & Nicobar Islands, Bihar and Jharkhand.
- ❖ **Heat Wave conditions** likely at isolated places over Chhattisgarh, East Madhya Pradesh, East Rajasthan, Haryana, Chandigarh & Delhi, Punjab and Vidarbha.
- ❖ **Heat Wave to Severe Heat Wave conditions** likely at isolated places over Uttar Pradesh and West Rajasthan.

No Fishermen Warning



Table-1

7 Days Rainfall Forecast

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

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

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Fig. 1: Maximum Temperatures Dated 2026-05-15

Fig. 2: Departure of Maximum Temp. Dated 2026-05-15

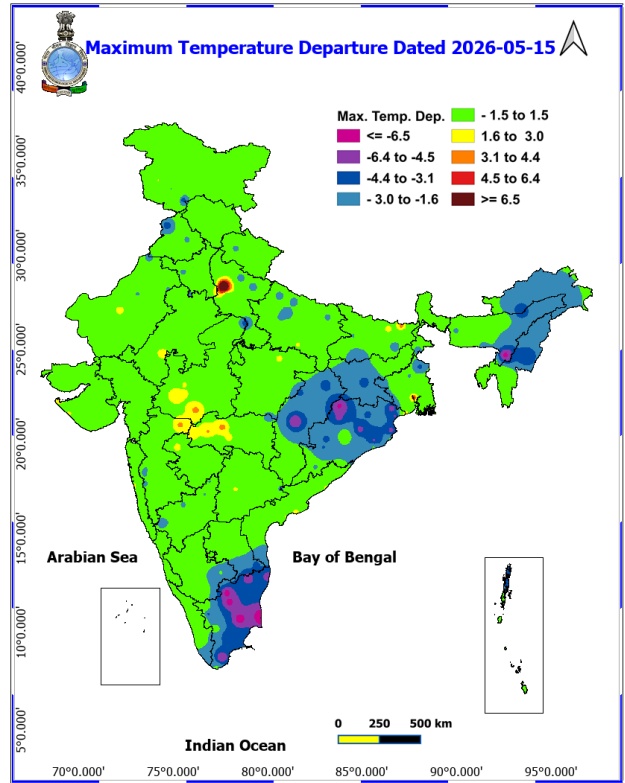
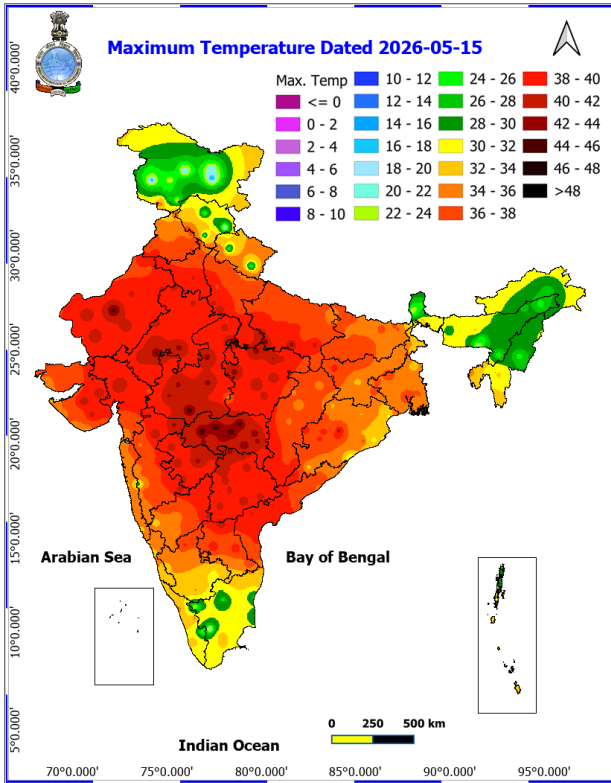
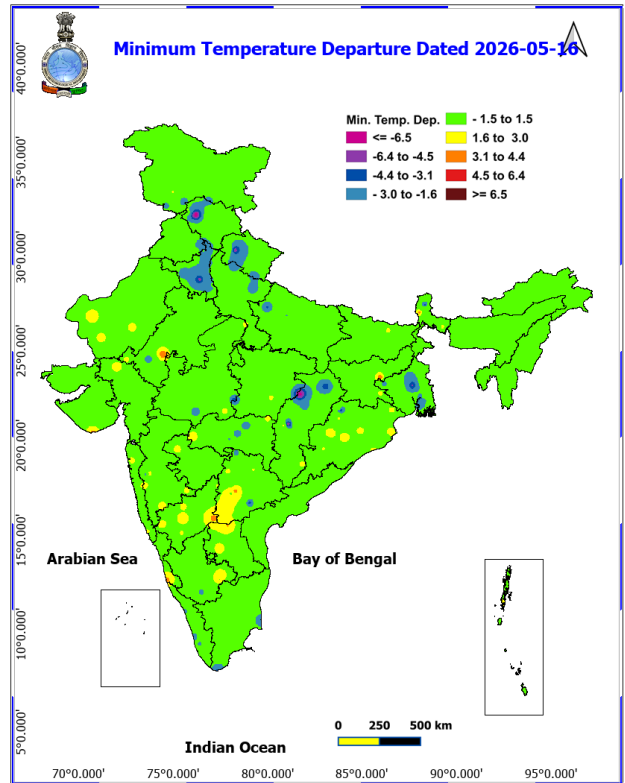
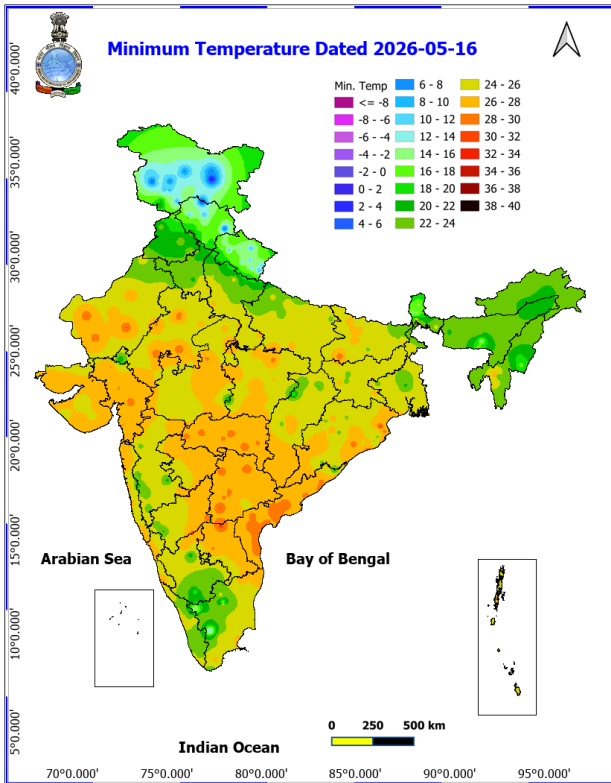
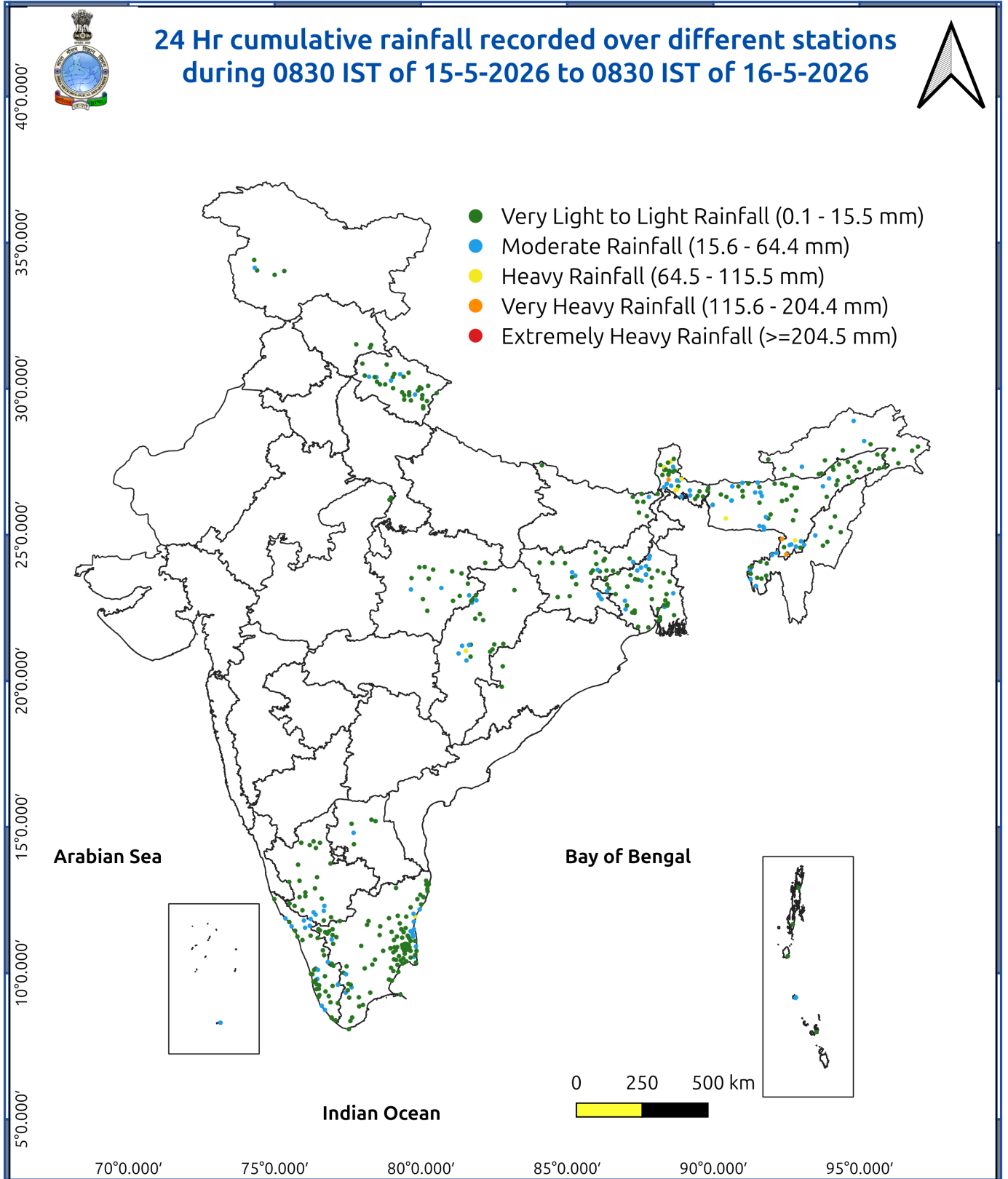


Fig. 3: Minimum Temperatures Dated 2026-05-16

Fig. 4: Departure of Minimum Temp. Dated 2026-05-16





Impact and Actions

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

- **Isolated heavy rainfall** likely over Arunachal Pradesh on 16th, 17th & during 20th-22nd; Assam & Meghalaya during 16th-18th & on 21st, 22nd; Nagaland, Manipur, Mizoram & Tripura on 16th, 21st & 22nd; Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim during 16th-18th; Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka during 16th-19th; Kerala & Mahe during 16th-18th; Lakshadweep on 16th & 17th May with isolated very heavy rainfall over Andaman & Nicobar Islands on 16th & 17th; Sub-Himalayan West Bengal & Sikkim on 17th May.

Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides/landslips/mudslips/landsinks/mudsinks.
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

Impact expected and action suggested due to isolated thunderstorm with lightning/squally winds & Hailstorm over

Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph) likely over Andaman & Nicobar Islands during 16th-18th; Bihar on 16th; Jharkhand on 16th, 19th & 20th; Rayalaseema on 19th & 20th May.

Hailstorm activity likely at isolated places over South Interior Karnataka on 16th May.

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.
- Hail may injure people and cattle at open places.
- 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.

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- 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 Heat wave conditions:

Heat wave conditions in isolated pockets likely to prevail over West Rajasthan during 16th -22nd with **severe heat wave conditions** in isolated pockets on 21st & 22nd May.

Heat wave conditions in isolated/ some pockets likely to prevail over Uttar Pradesh during 16th -22nd with **severe heat wave conditions** in isolated/ some pockets during 19th -22nd May.

Heat wave conditions in isolated pockets likely to prevail over West Madhya Pradesh during 16th-20th; East Madhya Pradesh & Vidarbha during 16th-22nd; East Rajasthan during 17th-22nd; Punjab, Haryana Chandigarh & Delhi during 18th-22nd; Chhattisgarh during 20th-22nd May.

Alert Areas

- High temperature & increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.
- High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure— keep cool. Avoid dehydration.
- Drink sufficient water- even if not thirsty.
- Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

Agromet advisories for various parts of the country

Agromet advisories for likely impact of Hailstorms

In **South Interior Karnataka**, use hail nets or hail caps in fruit orchards and vegetable plants to protect them from mechanical damage.

Ensure effective field drainage to prevent waterlogging. Undertake picking of matured fruits at the earliest. Keep the harvested produce in safe places.

Agromet advisories for likely impact of Heavy Rainfall

In **Arunachal Pradesh**, ensure proper drainage in the fields of rice, maize, other standing crops, vegetables, and orchards. Keep the harvested cabbage, pea, mustard, late-maturing paddy & potatoes produce to safe places.

In **Assam**, drain out excess rainwater to avoid water stagnation in the crop fields. Prioritise immediate harvesting of the mature crops and move the produce to a dry, covered warehouse during clear weather conditions. Provide mechanical support for tall crops (like banana or sugarcane) and young saplings by using bamboo sticks or poles.

In **Meghalaya**, drain out excess rainwater from maize, ginger, vegetables and orchards. Provide staking/bamboo support to tomato plants to prevent lodging.

In **Sub-Himalayan West Bengal**, maintain proper drainage channels in the ginger, tomato, maize, bitter gourd and Dalle Khorsani fields. Provide staking to tomato, Dalley Khorsani seedlings. Harvest mature crops at the earliest and

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store them safely in dry places. Protect nurseries and young seedlings against heavy rainfall with temporary covers.

In **Andaman & Nicobar**, ensure proper drainage in coconut gardens and avoid water stagnation around basins.

In **Kerala**, provide adequate drainage for banana, coconut, and other vegetables. Provide support to banana plants?

In **Tamil Nadu**, maintain proper drainage to prevent water stagnation in black gram, green gram, sugarcane, and vegetable plantations.

In **South Interior Karnataka**, drain out excess water from paddy and other standing crop fields.

Lakshadweep, postpone irrigation, intercultural operations and application of plant protection measures & fertilizers to the standing crops. Provide adequate drainage in standing-crop fields to prevent waterlogging

Agromet advisories for likely impact of High temperatures/ Heat Waves

In **Rajasthan**, apply need-based irrigation to green gram and summer cucurbit crops like bottle gourd, pumpkin, smooth gourd, ridge gourd, cucumber, bitter melon, kachra, cucumber, and summer ladyfinger, spinach, and young fruit plants like mango, amla, pomegranate, wood apple, and plum.

In **Madhya Pradesh**, apply light irrigation to maize, *moong*, *urd*, groundnut, and vegetable crops as required.

In **Maharashtra, Vidarbha**, irrigate sugarcane, summer groundnut, vegetables, and orchards as required; use organic or straw mulch in vegetables and orchards; cover banana bunches with leaves; and use shade nets in newly planted banana plantations.

In **Uttar Pradesh**, provide light, frequent irrigation to standing Zaid crops, vegetables, and horticultural crops.

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 hailstorms/ heavy rainfall and provide them with balanced feed.

Store feed and fodder in a safe place to prevent spoilage.

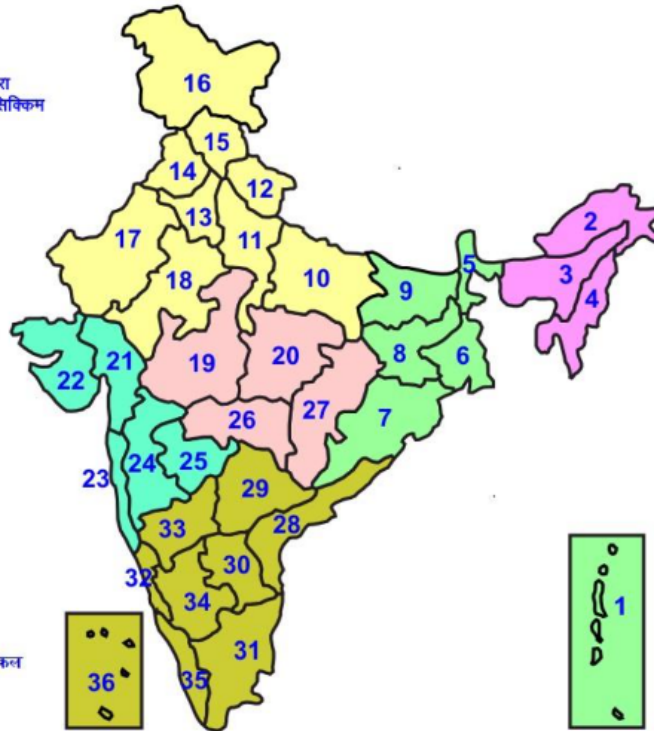
Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.

In regions with high temperatures and heat waves, provide clean, hygienic, and ample drinking water for animals, and cover the roofs of poultry sheds with grass to reduce the adverse effects.

Coastal states (especially Tamil Nadu and Kerala), fishermen are advised not to venture into sea.

LEGENDS

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



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

SPATIAL DISTRIBUTION (% of Stations reporting)

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

Subdivision Colour

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

Probabilistic Forecast

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

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

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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)

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