



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 18th April 2026
Time of Issue: 1400 hours IST

Subject:(i) Hot & humid weather likely to prevail along east coast of India during the week. Heat wave conditions very likely in isolated pockets of East Uttar Pradesh during 18th -20th; East Rajasthan and Odisha during 19th-22nd; West Rajasthan on 21st & 22nd; East Madhya Pradesh, Chhattisgarh and Vidarbha on 18th & 19th; Jharkhand during on 20th & 21st April.

(ii) Isolated Heavy rainfall with lightning and thunderstorm very likely over Arunachal Pradesh during 19th - 21th; over Assam & Meghalaya on 18th; 19th & 21st, Sub-Himalayan West Bengal & Sikkim on 18th & 19th April.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 18th April, 2026:

- ❖ **Thunderstorm accompanied with Squally/Gusty winds with speed reaching 50-80 kmph** prevailed at isolated places over Odisha, West Uttar Pradesh, Punjab, Haryana & Delhi; **with speed 30-50 kmph** prevailed at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, West Madhya Pradesh, Konkan & Goa, Maharashtra, Gujarat State.
- ❖ **Hailstorm reported over isolated places over** Haryana, Madhya Maharashtra Marathwada and North Interior Karnataka.

Temperature Conditions during past 24 hours till 0830 hours IST of today:

- ❖ **Maximum/day temperatures** were in the range of 40°C-44°C over most parts of Vidarbha; a few parts of Madhya Pradesh; at isolated places over Rajasthan, Telangana, Chhattisgarh, Uttar Pradesh and in the range of 36°C-40°C over rest parts of the country except western Himalayan region and northeast India. **The highest maximum temperature of 45.4°C was reported at Banda (Uttar Pradesh).**
- ❖ **Maximum/day temperatures** were markedly above normal (> 5.1°C) at most places over Arunachal Pradesh; at isolated places over Assam & Meghalaya, East Madhya Pradesh, Gujarat Region and Chhattisgarh. appreciably above normal (3.1°C to 5.0°C) at few places over West Rajasthan, East Rajasthan, West Madhya Pradesh and Rayalaseema; at isolated places over Sub Himalayan West Bengal & Sikkim, Bihar, East Uttar Pradesh, West Uttar Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, Saurashtra & Kutch, Madhya Maharashtra, Vidarbha, Telangana, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. above normal (1.6°C to 3.0°C) at many places over North Interior Karnataka; at most places over Marathwada and South Interior Karnataka; at few places over Nagaland, Manipur, Mizoram & Tripura; at isolated places over Gangetic West Bengal, Odisha, Jharkhand, Konkan & Goa and Coastal Andhra Pradesh & Yanam. near normal (-1.5°C to 1.5°C) at many places over Andaman & Nicobar Islands and Himachal Pradesh; at most places over Punjab, Coastal Karnataka and Lakshadweep.
- ❖ **Minimum/night temperatures were in the range of 13-19°C** over Himachal Pradesh, Uttarakhand, Punjab, Haryana Assam & Meghalaya, Manipur, Nagaland and Tamil Nadu, Puducherry & Karaikal. They were in the range of 20-26°C over remaining parts of the plains of the country. **Today, the lowest minimum temperature of 18.3 °C was observed at Amritsar (Punjab) over the plains of India.**
- ❖ **Minimum/night Temperature** were appreciably above normal (3.1°C to 5.0°C) over West Rajasthan, Chhattisgarh Odisha and Kerala & Mahe; below normal (-3.0°C to -1.6°C) over Haryana Chandigarh & Delhi, East Madhya Pradesh, Saurashtra & Kutch and near normal over rest parts of the country.

Weather Systems, Forecast and Warnings (refer to ANNEXURE I & II):

- ❖ A fresh **Western Disturbance** as a trough in middle tropospheric westerlies with its axis in middle tropospheric level runs roughly along Long. 58°E to the north of Lat. 25°N
- ❖ The **Western Disturbance** now seen as a cyclonic circulation lies over north Pakistan and neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over central Rajasthan & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over Haryana & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over East Uttar Pradesh & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over northeast Bangladesh & neighbourhood in lower tropospheric level.

- ❖ An **upper air cyclonic circulation** lies over North Coastal Odisha & neighbourhood in lower tropospheric level.
- ❖ The anti-cyclonic circulation over interior Maharashtra & adjoining Telangana and North Interior Karnataka between lower and middle tropospheric levels.

Under the influence of above systems, the following weather is likely:

Northwest India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall/snowfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and **Isolated to Scattered** over Himachal Pradesh on 18th & 19th; and Uttarakhand on 18th April
- ❖ **Isolated** light to moderate rainfall/snowfall with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over Punjab on 18th April.
- ❖ Isolated **Hailstorm activity** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad 18th April.

Northeast India:

- ❖ **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over Arunachal Pradesh during 18th -21st; Assam & Meghalaya during 18th -22nd and Nagaland, Manipur, Mizoram & Tripura during 18th -20th with lightning over Arunachal Pradesh 18th & 22nd; Nagaland, Manipur, Mizoram & Tripura on 21st & 22nd April
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh during 19th -21st; Assam & Meghalaya on 18th,20th & 21st April.

East India:

- ❖ **Isolated** light rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Odisha during 18th-22nd; Sub-Himalayan West Bengal & Sikkim during 18th- 21st April; Gangetic West Bengal and Bihar on 18th & 19thApril.
- ❖ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim on 18th & 19th April.

Central India:

- ❖ **Isolated** light rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over Vidarbha on 20th & 21st; Chhattisgarh on 18th, 20th & 21st with lightning over West Madhya Pradesh on 19th & 20th April.

South Peninsular India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Interior Karnataka during 18th- 22nd **with lightning** over Telangana and Coastal Andhra Pradesh & Yanam during 18th -22nd; Rayalaseema and Kerala & Mahe during 20th -22nd April.
- ❖ Isolated **Hailstorm activity** likely over North Interior Karnataka during 18th -21st April.

West India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over Madhya Maharashtra, Marathwada during 18th – 22nd; Konkan & Goa on 20th & 21st April.
- ❖ Isolated **Hailstorm activity** likely over Madhya Maharashtra and Marathwada on 18th April.

Forecast of maximum/day temperatures:

- ❖ Gradual rise in maximum temperatures by 3-5°C likely over Punjab and Haryana Chandigarh & Delhi during 18th - 24th April and no significant change over rest parts of Northwest India.
- ❖ Gradual rise in maximum temperatures by 2-3°C likely over East India during 18th-21st April and no significant change thereafter.
- ❖ No significant change in maximum temperatures likely over Maharashtra on 18th& 19th April and gradual fall by 2-3°C during 20th -24th April.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

Heat wave and Hot & Humid weather warning:

- ❖ **Heat wave conditions** very likely in isolated pockets of East Uttar Pradesh during 18th -20th; East Rajasthan and Odisha during 19th -22nd; West Rajasthan on 21st & 22nd; East Madhya Pradesh, Chhattisgarh and Vidarbha on 18th & 19th; Jharkhand during on 20th & 21st April.
- ❖ **Hot & humid weather conditions** very likely to prevail in isolated pockets over Tamil Nadu, Puducherry & Karaikal and Coastal Karnataka during 18th -22nd; Kerala & Mahe on 18th & 19th; Coastal Andhra Pradesh & Yanam during 18th -20th April.
- ❖ **Warm night conditions** very likely to prevail in isolated pockets over Chhattisgarh on 18th & 19th; Jharkhand during 18th -21st; Odisha during 18th -22nd April.

Weather conditions and forecast over Delhi/NCR during 18th-21st April, 2026 (ANNEXURE III)

For more details, kindly refer National Weather Bulletin:

https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

For District wise warnings refer: <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

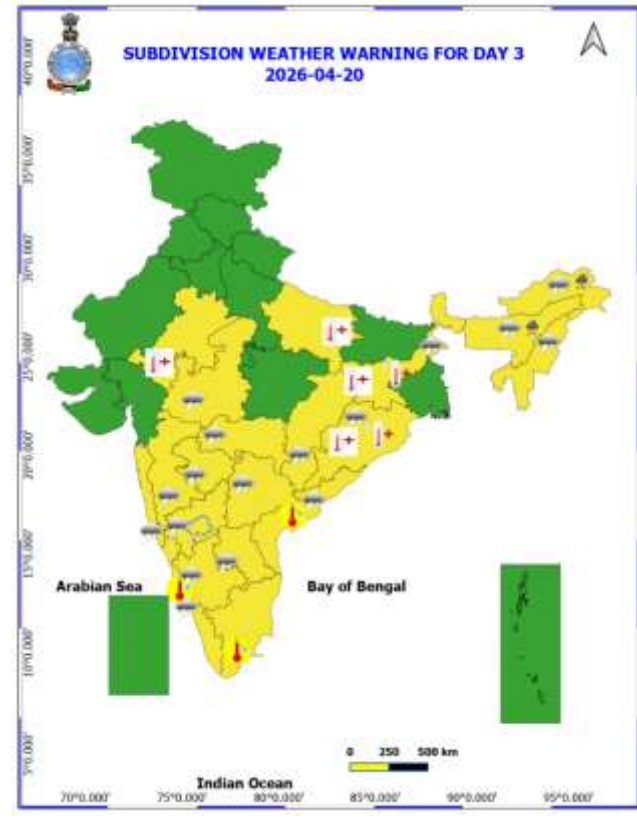
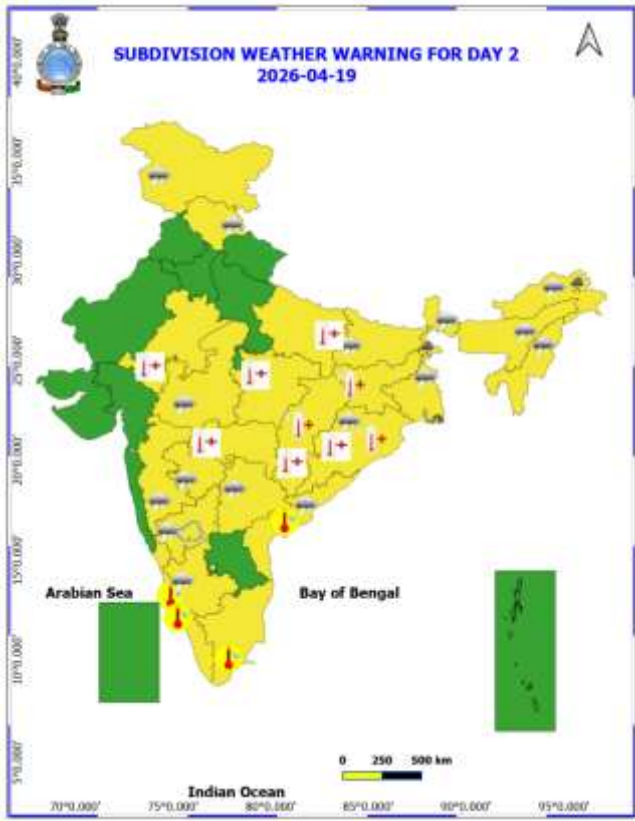
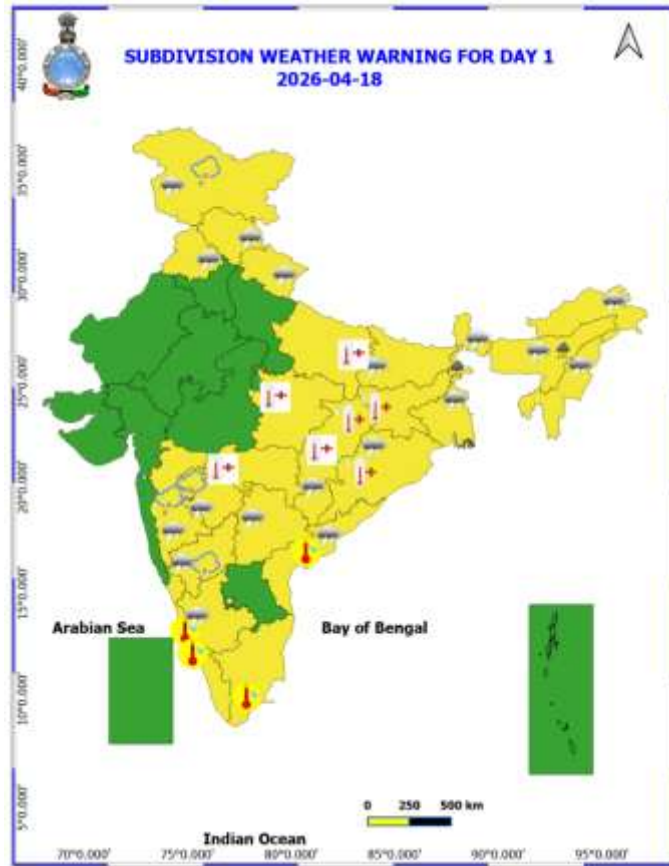
For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermenwarning.php>

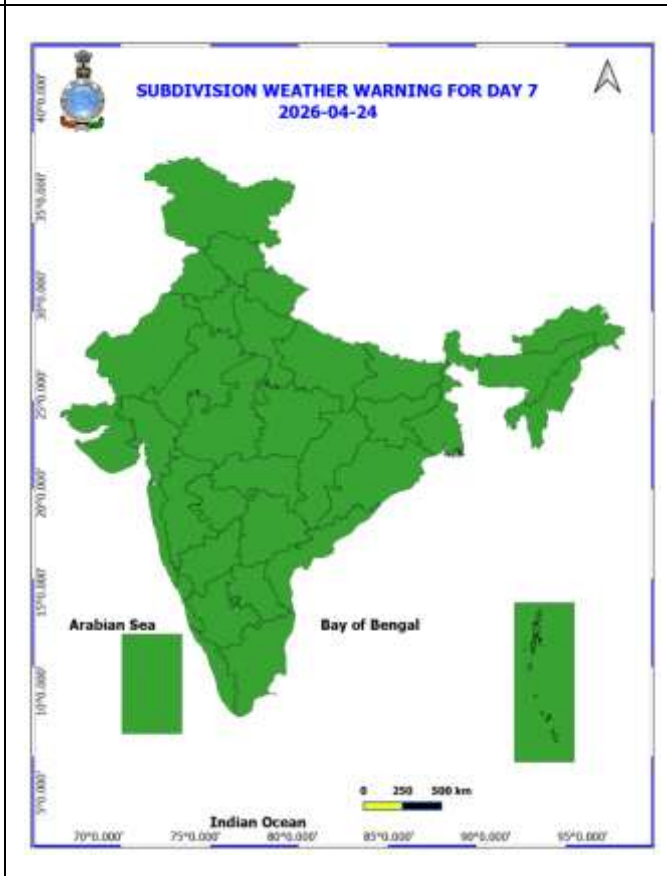
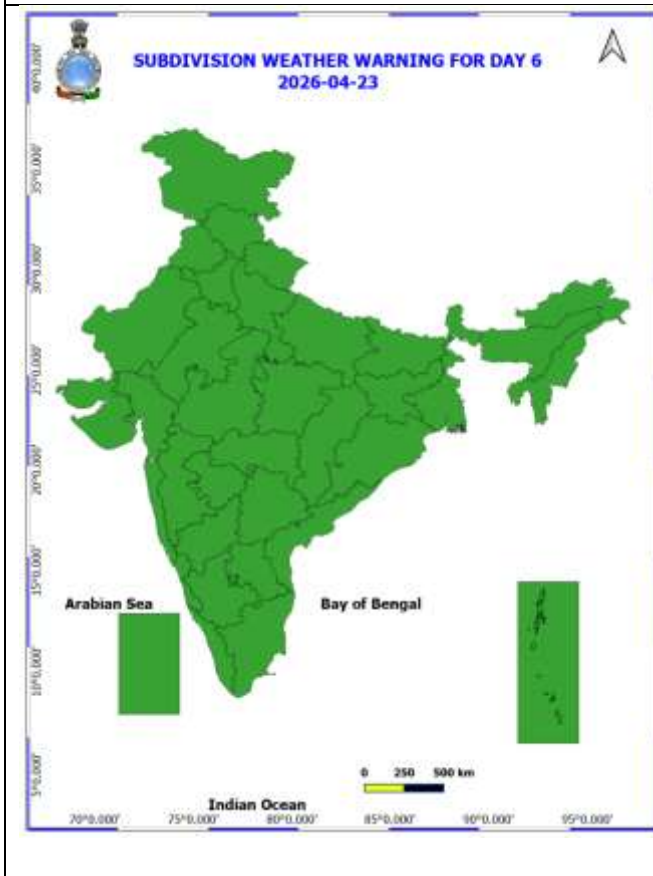
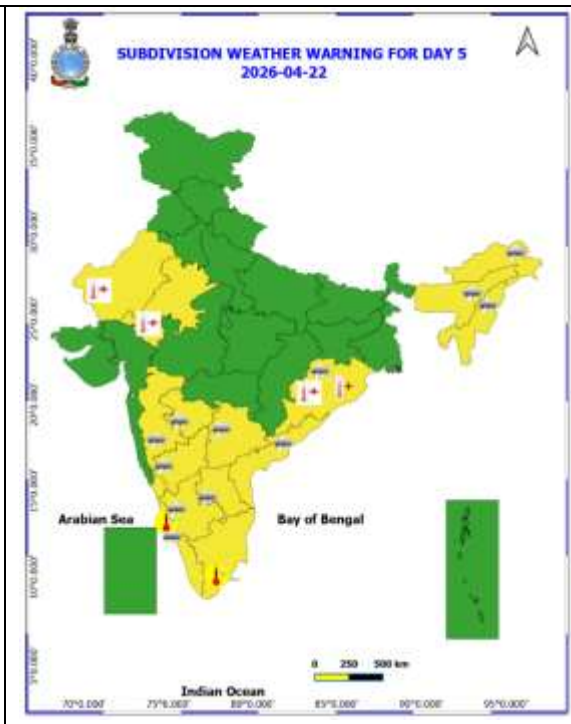
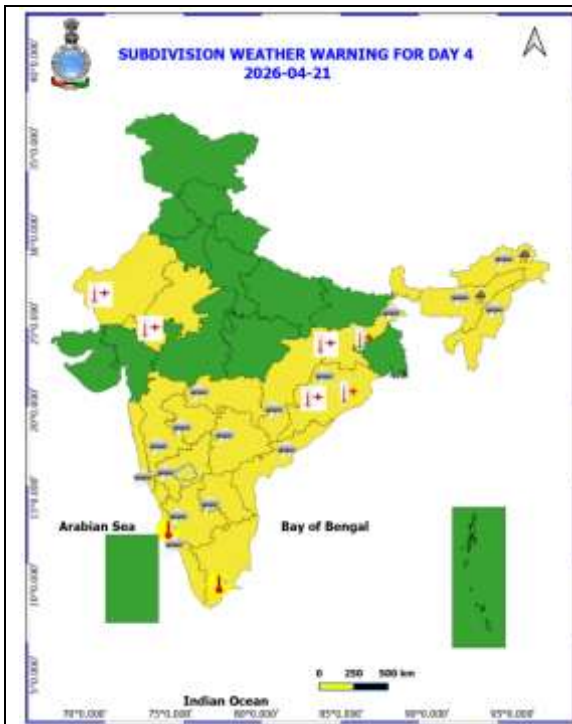
Gusty winds (in kmph) (from 0830 hours IST of yesterday to 0830 hours IST of today):

- ❖ **Delhi: Palam** 74.
- ❖ **Assam & Meghalaya:** Manas 43, Umpanai 35, Jowai 39
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Moreh 43, Jiribam 37, Nalkata(Dhalai) 39 Kailashahar(Unakoti) 35
- ❖ **Odisha:** Benakuda 54
- ❖ **Jammu-Kashmir:** Kathua_Kvk 39, Chatha 35, Gulmarg 31, Jammu 30
- ❖ **Himachal Pradesh:** Seobagh 35
- ❖ **Punjab:** Pathankot 52, Faridkot 50
- ❖ **Haryana:** Gurgaon (North Cap) 54, Jind 54, Rohtak 44
- ❖ **West Uttar Pradesh:** Gb Nagar 68, Amroha & Bulandshahar 50 Each, Meerut 43
- ❖ **West Madhya Pradesh:** Ashoknagar 31
- ❖ **East Madhya Pradesh:** Sagar 30
- ❖ **Konkan & Goa:** Karjat (Raigad) 41
- ❖ **Madhya Maharashtra:** Rajgurunagar (Pune) 33
- ❖ **Marathawada:** Tulga (Dharashiv) 28
- ❖ **Gujarat Region:** Arnej (Ahmedabad) 33
- ❖ **Saurashtra & Kutch:** Khavda(Kutch) 48

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

- As the lead period increases forecast accuracy decrease.





- Action may be taken based on ORANGE AND REDCOLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

Detailed district-wise Multi-Hazard weather warning for next five days available at <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

Weather forecast over Delhi/NCR during 18th April to 21st April 2026

Past Weather:

There has been no large change in maximum temperatures and fall in minimum temperatures up to 3-5°C during past 24 hours over Delhi. The minimum temperatures are in the range of 20-21°C and maximum temperatures were in the range of 39-41°C during past 24 hours over Delhi. The minimum temperatures are below normal (-1.6°C to -3.0°C) at most places and normal (-1.5°C to 1.5°C) at remaining parts over Delhi. The maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at few places and above normal (1.6°C to 3.0°C) over remaining parts of Delhi. During the past 24 hours, Moderate to light rain was observed at most places across Delhi. Partly cloudy sky with surface wind speeds up to 20 kmph prevailed gusting to 72 kmph from southeast direction over Delhi during past 24 hours. Mainly clear sky with surface wind speeds up to 15 kmph likely to prevailed from west direction over the region in the forenoon today.

Weather Forecast:

18.04.2026: Mainly clear sky becoming partly cloudy sky with possibility of thundery development towards afternoon to evening. The maximum temperature over Delhi is likely to be in the range of 37°C to 39°C. The maximum temperature will be above normal (1.6°C to 3.0°C) over Delhi. The predominant surface wind is likely to be from west direction reaching up to 15 kmph during the afternoon. The wind speed will gradually decrease reaching up to 12 kmph from northwest direction during evening and night.

19.04.2026: Mainly clear sky becoming partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the ranges of 39°C to 41°C and 22°C to 24°C respectively. The minimum temperature will be above normal (1.6°C to 3.0°C) at most places and the maximum temperature will be above normal (1.6°C to 3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speed reaching up to 10 kmph during the morning hours. The wind speed will increase becoming less than 15 kmph from northwest direction during the afternoon. The wind speed will decrease becoming up to 12 kmph from the northwest direction during evening and night.

20.04.2026: Mainly clear sky becoming partly cloudy sky. The maximum and minimum temperatures in Delhi are likely to be in the ranges of 38°C to 40°C and 20°C to 22°C respectively. The minimum temperatures will be near normal (-1.5°C to 1.5°C) and the maximum temperatures will be above normal (1.6°C to 3.0°C) over Delhi. The predominant surface wind is likely to be from the northwest direction associated with wind speed reaching up to 10 kmph during the morning hours. The wind speed will be increase reaching up to 15 kmph from west direction during afternoon hours. The wind speed will decrease becoming up to 12 kmph from the northwest direction during evening and night.

21.04.2026: Mainly clear sky. The maximum and minimum temperatures in Delhi are likely to be in the ranges of 39°C to 41°C and 20°C to 22°C respectively. The minimum temperatures will be near normal (-1.5°C to 1.5°C) and the maximum temperatures will be above normal (1.6°C to 3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction associated with wind speed reaching up to 15 kmph during the morning hours. The predominant surface wind will increase reaching up to 20 kmph from northwest direction during afternoon hours. The predominant surface wind will decrease reaching up to 15 kmph northwest direction during evening and night.

Impact expected and action suggested due to above normal temperature:

- **Warning:** No heat wave conditions are expected; however, temperatures are likely to remain above normal. There may be moderate health risks, particularly for vulnerable groups such as infants, the elderly, and individuals with chronic illnesses.
- **Advisory:** Avoid prolonged exposure to heat. Wear lightweight, light-colored, and loose cotton clothing. Cover your head using a cloth, hat, or umbrella when outdoors.

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

- ❖ Isolated **Hailstorm activity** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad 18th; over North Interior Karnataka during 18th-21st; over Madhya Maharashtra and Marathawada on 18th April.

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.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

Impact Expected & Action Suggested due to heavy rainfall over

- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh during 19th-21st; Assam & Meghalaya on 18th,20th & 21st; over Sub-Himalayan West Bengal & Sikkim on 18th & 19th April.

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 Heat wave conditions** over East Uttar Pradesh during 18th-20th; East Rajasthan and Odisha during 19th-22nd; West Rajasthan on 21st & 22nd; East Madhya Pradesh, Chhattisgarh and Vidarbha on 18th & 19th; Jharkhand during on 20th & 21st April.

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 likely impact of Hailstorms

- In **Madhya Maharashtra, Marathwada and North Interior Karnataka** 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 **Sub-Himalayan West Bengal**, complete harvesting of rice, maize, mustard and potato. Maintain proper drainage in standing crops.
- In **Arunachal Pradesh**, harvest cabbage, pea, mustard, late-maturing paddy varieties & potatoes carefully and shift the harvested produce to safe places. Ensure proper drainage channels in the fields of rice, maize, other standing crops, vegetables, and orchards.
- In **Assam and Meghalaya**, make necessary arrangements to remove excess rainwater from the crop fields.

Agromet advisories for likely impact of High temperatures/ Heat Waves

- **Maharashtra** - In **Konkan**, irrigate green gram, vegetables, and newly planted arecanut and coconut. In **Madhya Maharashtra and Marathwada**, use hail net or hail cap in fruit orchards and fruit-bearing vegetables to prevent mechanical damage. In **Vidarbha**, apply need-based light and frequent irrigation to summer green gram, groundnut, onion, sunflower, sesame, fodder crops, orchards, and vegetables during cooler hours. Use straw mulch in vegetable and orchard crops to reduce evaporation, and install shade nets for newly planted crops.
- **Gujarat** – Apply light and frequent irrigation to standing crops like cluster bean, cucumber, ridge gourd, bottle gourd, sponge gourd, and bitter gourd during morning or evening hours. Irrigate groundnut at the flowering and pegging stages.
- **Odisha**- Provide light irrigation to *Boro* paddy, summer maize, green gram, black gram, groundnut, and vegetable fields. Ensure adequate soil moisture is maintained in mango and cashew crops.
- **Madhya Pradesh – East Madhya Pradesh** -Apply light irrigation to maize, *moong*, *urd*, groundnut and vegetable crops as per requirement.
- **Chhattisgarh** - Apply light irrigation after weeding and hoeing in *rabi* maize, banana, and papaya plantations. Complete harvesting of wheat and chickpea, and ensure safe storage.
- **Jharkhand** - Apply light and frequent irrigation to the standing crops. Carry out mulching with crop residue, straw or polythene to minimize the loss of soil moisture. Use temporary shade nets to protect the fruit plants from high temperatures.
- **Andhra Pradesh**- Provide light irrigation to maintain adequate moisture in standing crops such as paddy, *rabi* maize, sorghum, chickpea, groundnut, sesame, sugarcane, vegetables, and fruit orchards.
- **Telangana** - Provide irrigation to mango orchards and vegetable crops, as required.
- **Karnataka** - Provide protective irrigation to standing crops such as sugarcane, sesame, green gram, black gram, arecanut, vegetables, and nurseries.
- In regions experiencing hot and humid conditions, including **Tamil Nadu, Kerala, and Gangetic West Bengal, Coastal Karnataka and Coastal Andhra Pradesh and Rayalaseema** apply light irrigation to summer crops and vegetables to maintain soil moisture. Apply mulching to conserve soil moisture in the standing 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

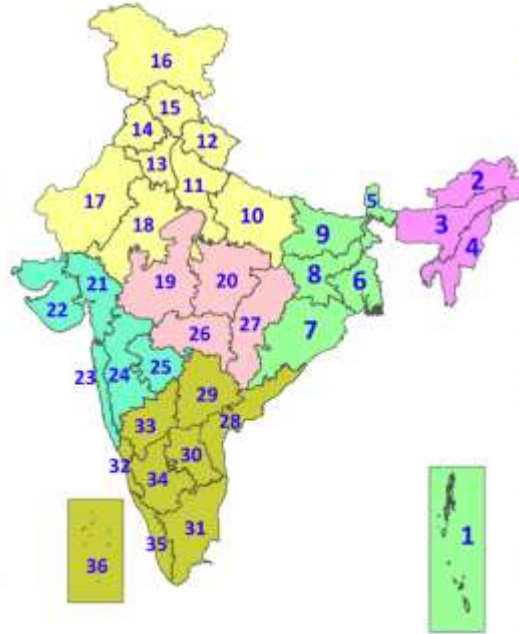
- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.
- In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

Legends & abbreviations:

- ❖ **Heavy Rain:**64.5115.5mm; **Very Heavy Rain:**115.6204.4mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; Automatic Weather Station; **ARG:** Automatic Rain Gauge; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO:** Part Time Office, **Aero:** Aerodrome, **IAF:** Indian Air Force.
- ❖ **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 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 द्वीपसमूह
2. अरुणाचल प्रदेश
3. असम और मेघालय
4. नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
5. उप-हिमालयी पश्चिम बंगाल और सिक्किम
6. गंगीय पश्चिम बंगाल
7. ओडिशा
8. झारखंड
9. बिहार
10. पूर्वी उत्तर प्रदेश
11. पश्चिम उत्तर प्रदेश
12. उत्तराखंड
13. हरियाणा, चंडीगढ़ और दिल्ली
14. पंजाब
15. हिमाचल प्रदेश
16. जम्मू और कश्मीर और लद्दाख
17. पश्चिम राजस्थान
18. पूर्वी राजस्थान
19. पश्चिम मध्य प्रदेश
20. पूर्वी मध्य प्रदेश
21. गुजरात
22. सौराष्ट्र
23. कोंकण और गोवा
24. मध्य महाराष्ट्र
25. मराठवाड़ा
26. विदर्भ
27. छत्तीसगढ़
28. तटीय आंध्र प्रदेश और यनम
29. तेलंगाना
30. रायलसीमा
31. तमिलनाडु, पुडुचेरी और कराईकल
32. तटीय कर्नाटक
33. आंतरिक उत्तरी कर्नाटक
34. आंतरिक दक्षिणी कर्नाटक
35. केरल और 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. Odisha
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chandigarh & 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. Vidarbha
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)

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

COLOUR CODED WARNING

No Warning (No Action)
Watch (Be Aware)
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

* Red colour warning does not mean "Red Alert", Red colour warning means "Take Action".
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day.
For more details, kindly visit <https://mausam.imd.gov.in> or contact: 011-2434-4599
(Service to the Nation since 1875)

DEFINITION/CRITERIA

Rain/ Snow *	<p>Heavy: 64.5 to 115.5 mm/cm *</p> <p>Very Heavy: 115.6 to 204.4 mm/cm*</p> <p>Extremely Heavy: > 204.4 mm/cm *</p>
Heat Wave	<p>When maximum temperature of a station reaches $\geq 40^{\circ}\text{C}$ for plains and $\geq 30^{\circ}\text{C}$ for hilly regions</p> <p>(a) Based on Departure from normal</p> <p>Heat Wave: Maximum Temperature Departure from normal 4.5°C to 6.4°C.</p> <p>Severe Heat Wave: Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$</p> <p>(b). Based on Actual maximum temperature</p> <p>Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$.</p> <p>Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$</p> <p>(c). Criteria for heat wave for coastal stations</p> <p>When maximum temperature departure is $> 4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$</p>
Warm Night	<p>When maximum temperature remains 40°C</p> <p>Warm Night: When minimum temperature departure 4.5°C to 6.4°C.</p> <p>Severe Warm Night: When minimum temperature departure $> 6.4^{\circ}\text{C}$.</p>
Cold Wave	<p>When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions.</p> <p>(a). Based on departure</p> <p>Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C.</p> <p>Severe Cold Wave: Minimum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$</p> <p>(b) Based on actual Minimum Temperature (for Plains only)</p> <p>Cold Wave : When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$</p> <p>Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$</p> <p>(c) For Coastal Stations</p> <p>When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ & actual Minimum Temperature is $\leq 15^{\circ}\text{C}$</p>
Cold Day	<p>When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions</p> <p>Based on departure</p> <p>Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C.</p> <p>Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$</p>
Fog	<p>Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{km}$</p> <p>Moderate Fog: When the visibility between 500-200 metres</p> <p>Dense Fog: when the visibility between 50- 200 metres</p> <p>Very Dense Fog: when the visibility < 50 metres</p>
Thunderstorm	<p>Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)</p>
Dust/Sand Storm	<p>An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.</p>
Frost	<p>Ice deposits on ground</p> <p>Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)</p>
Squall	<p>A strong wind that rises suddenly, lasts for atleast 1 minute.</p> <p>Moderate: Wind speed 52-61 kmph</p> <p>Severe: Wind speed 62-67 kmph</p> <p>Very Severe: Wind speed > 67 kmph</p>
Sea State	<p>Effect of various waves in the sea over specific area</p> <p>Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre</p> <p>High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre</p> <p>Phenomenal: Wind speed > 117 kmph (> 63 knots) & Wave height > 14 metre</p>
Cyclone	<p>Cyclonic Storm: Wind speed 62-67 kmph (34-47 knots)</p> <p>Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)</p> <p>Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots)</p> <p>Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)</p> <p>Super Cyclone Storm: Wind speed > 220 kmph (> 119 knots)</p>

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