



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Press Release

Date: 07<sup>th</sup> May 2026

Time of Issue: 1330 hours IST

**Subject: (i) A fresh spell of Isolated to scattered thunderstorms, lightning & gusty winds (40-60 kmph) likely over northwest India during 10<sup>th</sup> -13<sup>th</sup> May, 2026.**

**(ii) Isolated to scattered thunderstorms, lightning & gusty winds (40-60 kmph) and isolated heavy rainfall likely over Kerala, Tamil Nadu, Puducherry & Karaikal for next 6-7 days.**

**(iii) Heat wave conditions at isolated places likely over West Rajasthan and Gujarat State from 9<sup>th</sup> to 13<sup>th</sup> May, 2026.**

**Realised weather during past 24 hours ending at 0830 hours IST of today, the 07<sup>th</sup> May, 2026:**

- ❖ **Heavy rainfall (7-11 cm)** has been recorded at isolated places over Tamil Nadu, Puducherry & Karaikal
- ❖ **Thunderstorm accompanied with Squally/Gusty winds with speed reaching 50-110 kmph** prevailed at isolated places over Nagaland, Manipur, Mizoram & Tripura, Bihar, Jharkhand, Punjab, Haryana Chandigarh & Delhi, Uttar Pradesh, West Madhya Pradesh, Madhya Maharashtra, Gujarat Region **with speed reaching 30-50 kmph** prevailed at isolated places over Arunachal Pradesh, Assam & Meghalaya, West Bengal & Sikkim, Uttarakhand, East Madhya Pradesh, Vidarbha, Chhattisgarh, Konkan & Goa, Marathwada, Saurashtra & Kutch, Tamil Nadu, Puducherry & Karaikal.
- ❖ **Hailstorm** reported over West Madhya Pradesh.

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

- ❖ **Maximum/day temperatures** were in the range of 40°C and above over most parts of the Vidarbha, some parts of Telangana, Rayalaseema, Saurashtra & Kutch, isolated pockets of West Rajasthan, West Madhya Pradesh, Marathwada, Madhya Maharashtra; they were in the range of 36 -40°C over remaining parts of the country except over entire Western Himalayan region & adjoining plains, Indo-Gangetic plains, north & northeast India and many parts of east India where they are below 36°C. **The highest maximum temperature of 42.9°C was reported at Rajkot (Gujarat).**
- ❖ **Maximum/day temperatures** were appreciably above normal (3.1°C to 5.0°C) at a few places over Kerala & Mahe; markedly below normal (-5.1°C or less) at a few places over East Uttar Pradesh, Haryana, Chandigarh-Delhi, Uttarakhand, West Uttar Pradesh; at isolated places over Assam & Meghalaya, Bihar, Chhattisgarh, East Madhya Pradesh, Himachal Pradesh, Jharkhand, Odisha, West Madhya Pradesh; appreciably below normal (-3.1°C to -5.0°C) at a few places over East Rajasthan, Punjab; at isolated places over Andaman & Nicobar Islands, Coastal Andhra Pradesh & Yanam, Gangetic West Bengal, Jammu & Kashmir, Sub-Himalayan West Bengal & Sikkim, Telangana, Vidarbha, West Rajasthan; below normal (-3.0°C to -1.6°C) at a few places over Rayalaseema; at isolated places over Gujarat Region, Nagaland, Manipur, Mizoram & Tripura, Saurashtra & Kutch, Tamil Nadu, Puducherry & Karaikal and these were near normal over rest parts of the country.
- ❖ **Minimum/night temperatures** were in the range of 13-19°C over Jammu-Kashmir, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Bihar, Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Manipur & Mizoram and Tamil Nadu, Puducherry & Karaikal. They were in the range of 20-26°C over remaining parts of the plains of the country.
- ❖ **Minimum/night Temperature** were above normal (1.6 to 3.0°C) over East Rajasthan, Gujarat State, Maharashtra, South Interior Karnataka, Coastal Karnataka, Tamil Nadu, Puducherry & Karaikal, Assam, Nagaland and below normal or near normal over rest parts of the country.

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

- ❖ An **upper air cyclonic circulation** lies over southeast Arabian Sea and adjoining Lakshadweep area off south Kerala coast in lower tropospheric levels.

- ❖ A **trough/Wind discontinuity** runs from cyclonic circulation over southeast Arabian Sea and adjoining Lakshadweep off south Kerala to southwest Madhya Pradesh in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over Central Parts of South Madhya Pradesh & neighbourhood in lower tropospheric level.
- ❖ A **trough** from central parts of south Madhya Pradesh to Jharkhand across Chhattisgarh in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over interior Odisha and adjoining Chhattisgarh in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over east Bihar persists and now seen between lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over central Assam & neighbourhood in lower tropospheric level.
- ❖ A **fresh Western Disturbance** is likely to affect Western Himalayan Region from 10th May, 2026.

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

**Northwest India:**

- ❖ **Isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Uttarakhand, Haryana Chandigarh & Delhi, Punjab on 07<sup>th</sup>, Uttar Pradesh and East Rajasthan on 07<sup>th</sup> May.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Uttarakhand on 08<sup>th</sup> May.
- ❖ Another fresh wet spell with **scattered** to Fairly widespread light to moderate rainfall/snowfall with isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph) likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana Chandigarh & Delhi, West Uttar Pradesh, East Rajasthan during 11<sup>th</sup> -13<sup>th</sup> over East Uttar Pradesh on 12<sup>th</sup> & 13<sup>th</sup> and West Uttar Pradesh on 11<sup>th</sup> May.

**Northeast India:**

- ❖ **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-40 kmph)** likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 07<sup>th</sup> - 09<sup>th</sup> with lightning over Arunachal Pradesh on 07<sup>th</sup> & 08<sup>th</sup>; Assam & Meghalaya during 08<sup>th</sup> -11<sup>th</sup> and Nagaland, Manipur, Mizoram & Tripura on 09<sup>th</sup> May.
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh on 07<sup>th</sup>, 12<sup>th</sup> & 13<sup>th</sup> and Assam & Meghalaya on 12<sup>th</sup> & 13<sup>th</sup> May.

**East India:**

- ❖ **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over Andaman & Nicobar Islands during 07<sup>th</sup> -13<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim during 07<sup>th</sup> -09<sup>th</sup>; Gangetic West Bengal during 07<sup>th</sup>, 08<sup>th</sup> & 10<sup>th</sup> May.
- ❖ **Isolated to scattered light** to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over Bihar and Odisha during 07<sup>th</sup> -11<sup>th</sup>; Jharkhand on 07<sup>th</sup>, 08<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup> May.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Gangetic West Bengal on 09<sup>th</sup> and Jharkhand on 09<sup>th</sup> & 10<sup>th</sup> May.

**Central India:**

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 40-50 kmph)** likely over Madhya Pradesh on 07<sup>th</sup> & 08<sup>th</sup>; Vidarbha and Chhattisgarh during next 3 days.

**West India:**

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 40-50 kmph)** likely over Maharashtra for next 3 days.

**South Peninsular India:**

- ❖ **Isolated to scattered thunderstorms, lightning & gusty winds (30-50 kmph)** likely over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Lakshadweep, Interior Karnataka during next 5 days; Coastal Andhra Pradesh & Yanam, Rayalaseema and Telangana during next 4 days and Coastal Karnataka during 07<sup>th</sup> -09<sup>th</sup> with lightning over Coastal Karnataka on 10<sup>th</sup> & 11<sup>th</sup> May.
- ❖ **Isolated Heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during next 7 days and over South Interior Karnataka on 07<sup>th</sup> & 08<sup>th</sup> May.

**Forecast of maximum/day temperatures:**

- ❖ Gradual rise in maximum temperatures by 3-4°C likely over Northwest India till 10<sup>th</sup> May and no significant change during 11<sup>th</sup> -13<sup>th</sup> May.

- ❖ No significant change in maximum temperatures likely over Central India till 08<sup>th</sup> May and gradual rise by 2-4°C thereafter.
- ❖ Gradual rise in maximum temperatures by 3-5°C likely over Northeast India till 08<sup>th</sup> and no significant change during 10<sup>th</sup> -13<sup>th</sup> May.
- ❖ Gradual rise in maximum temperatures by 2-3°C likely over Maharashtra till 09<sup>th</sup> May and no significant change during 10<sup>th</sup> -13<sup>th</sup> May.
- ❖ No significant change in maximum temperatures likely over Gujarat State till 08<sup>th</sup> May and thereafter gradual rise by 2-3°C during 09<sup>th</sup>-13<sup>th</sup> May.
- ❖ No significant change in maximum temperatures likely over rest parts of the country till 12<sup>th</sup> May 2026.

#### **Heat Wave, Hot & Humid weather conditions warning:**

- ❖ **Heat wave conditions** likely to prevail in isolated pockets over Gujarat state and West Rajasthan during 09<sup>th</sup> - 13<sup>th</sup>, 2026.
- ❖ **Hot & humid weather conditions** very likely to prevail in isolated pockets over Konkan & Goa during 07<sup>th</sup> -09<sup>th</sup> May 2026.

#### **Weather conditions and forecast over Delhi/NCR during 07<sup>th</sup> -10<sup>th</sup> May, 2026 (ANNEXURE III)**

**For more details, kindly refer National Weather Bulletin:**

[https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](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>

#### **Significant rainfall recorded (in cm) (from 0830 hours IST of yesterday to 0830 hours IST of today):**

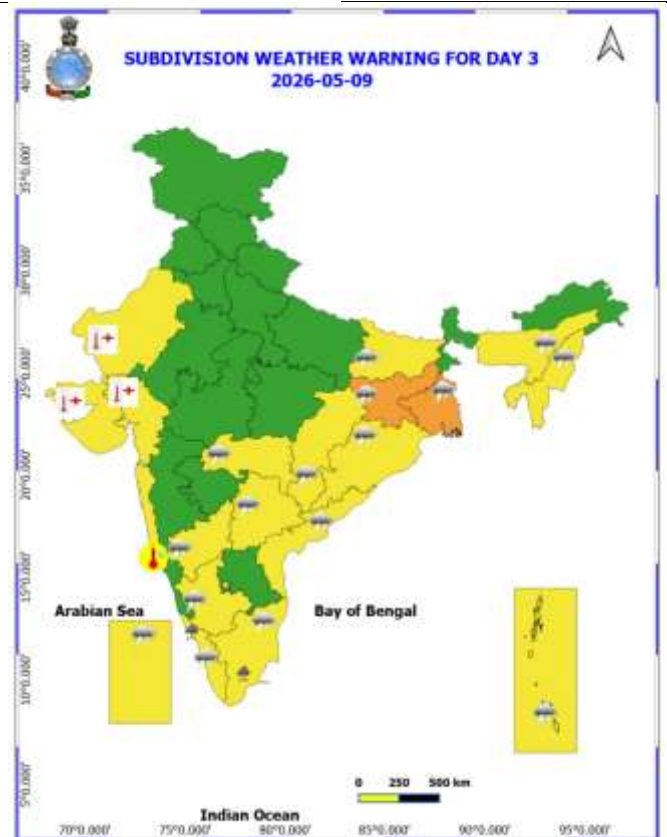
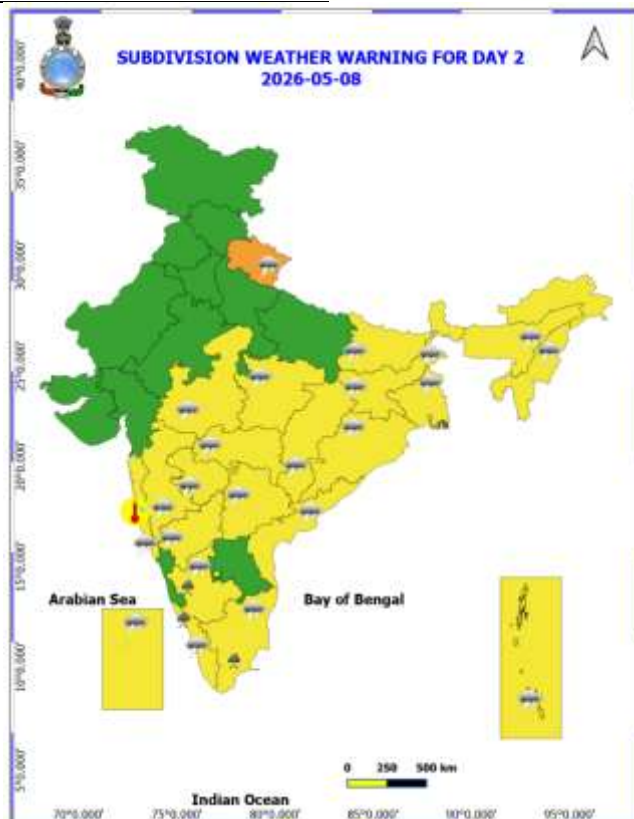
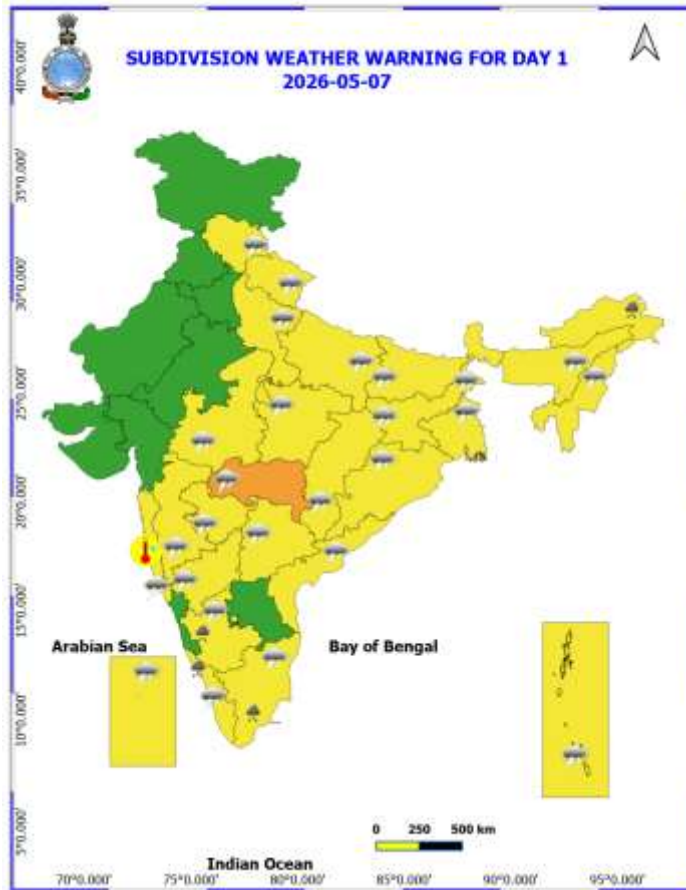
- ❖ **Tamil Nadu, Puducherry & Karaikal:** Mimisal, Pudukkottai district 10

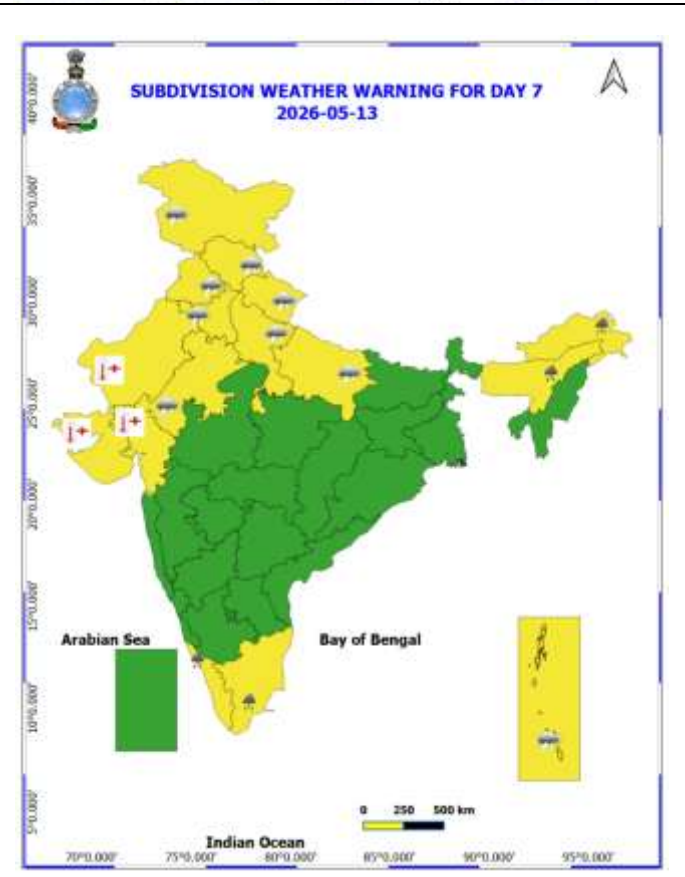
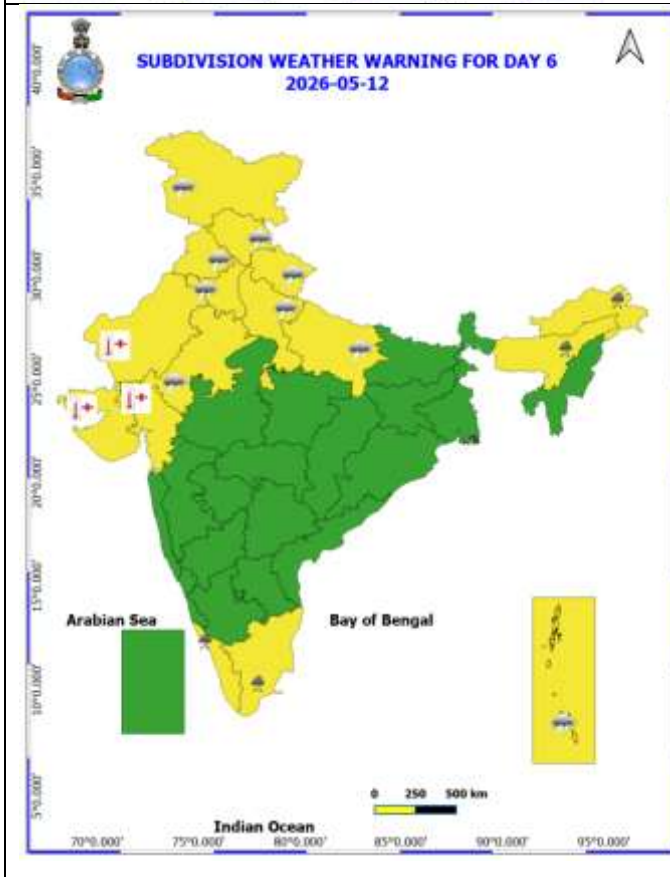
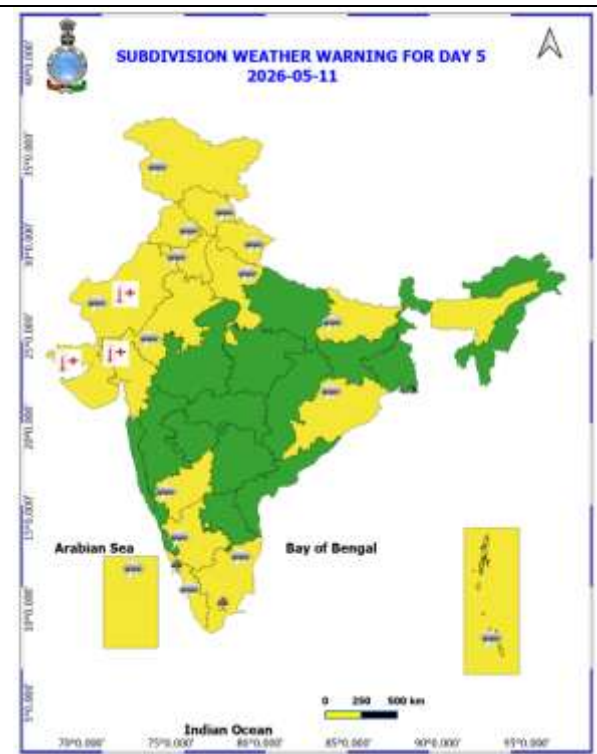
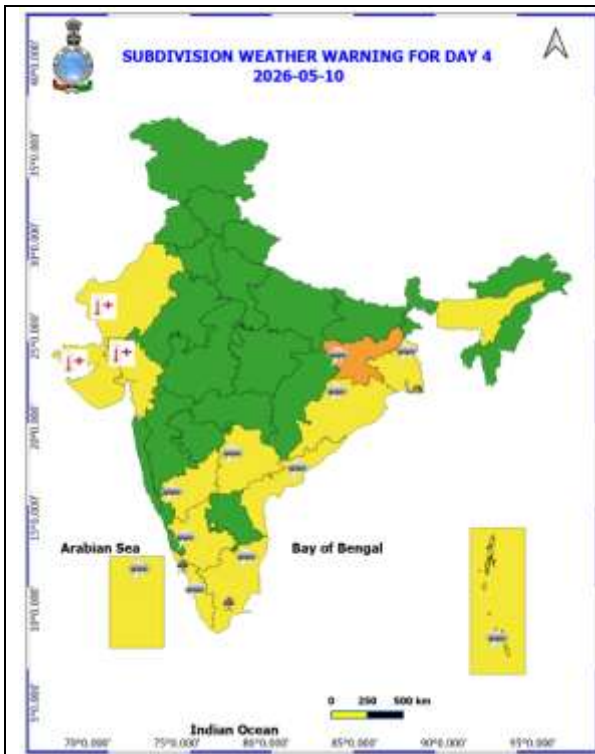
#### **Gusty winds (in kmph) (from 0830 hours IST of yesterday to 0830 hours IST of today):**

- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Maharani 111, Ghilatali 81
- ❖ **Bihar:** Patna 85
- ❖ **Uttar Pradesh:** Kushinagar 72, Pharenda 67, Kanpur(IAF) 59, Lucknow(AP) & Gorakhpur 56 Each, Gorakhpur(IAF) 50, Fursatganj 52, Raebareilly 52, Ballia 46, Prayagraj(IAF) 46, Bahraich 43, Amethi 39, Azamgarh & Ams Chiitrakoot 37, Shahjahanpur 67, Shamli 57, Muzaffanagar 54, Bijnore 52, Amroha 52, G. B. Nagar 52, Hamirpur 48, Jhansi 44, Jalaunpun 43, Bareilly 43, Bareilly(Aws) 41, Hindon(IAF) 41
- ❖ **Madhya Pradesh:** Gwalior 67, Bhopal, Sehore 37, Sagar, Jabalpur 37, Satna 35, Shahdol 31
- ❖ **Gujarat State:** Bharuch 65, Mandvi(K) 35
- ❖ **Haryana:** Uchani 59, Karnal 57
- ❖ **Punjab:** Sangrur 57
- ❖ **Jharkhand:** Dumka 54
- ❖ **Maharashtra:** Jalgaon 50, Rajgurunagar (Pune) 43, Shivajinagar (Pune) 39, Karjat (Raigad) 39, Devgad (Sindhudurg) 33, Ambejogai (Beed) 31
- ❖ **Assam & Meghalaya:** Baksa 48, Umlapher 48, Karimganj 44
- ❖ **West Bengal & Sikkim:** Kalyani 48, Pundibari 44, Coochbehar 43
- ❖ **Uttarakhand:** Ranichawri 46, Pantnagar 43

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

- 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 07<sup>th</sup> May to 10<sup>th</sup> May 2026****Past Weather:**

There has been rise in maximum temperatures up to 1-2°C and rise in minimum temperatures up to 2-3°C during past 24 hours over Delhi. The maximum temperatures were in the range 34 -35°C and the minimum temperatures are in the range 21-24°C respectively during past 24 hours over Delhi. The minimum temperatures were appreciably below normal (-3.1°C to -5.0°C) at a few places and normal (-1.5°C to 1.5°C) at remaining places over Delhi. The maximum temperatures were markedly below normal (-5.1°C or less) at few places, appreciably below normal (-3.1°C to -5.0°C) at remaining part over Delhi. Partly cloudy sky with surface wind speeds up to 20 kmph gusting to 41 kmph from northwest direction over Delhi during past 24 hours. Mainly clear sky with surface wind speeds up to 22 kmph gusting to 45 kmph likely to prevailed from southeast direction over the region in the forenoon today.

**Weather Forecast:**

**07.05.2026:** Mainly clear sky becoming partly cloudy sky towards afternoon. Sustained surface wind speeds up to 20-30 kmph during the day. Possibility of thundery development towards afternoon/evening. The maximum temperatures over Delhi are likely to be in the range of 34°C to 36°C. The maximum temperatures will be appreciably below normal (-3.1°C to -5.0°C) at most places over Delhi. The predominant surface wind is likely to be from the south direction with surface wind speed reaching up to 20 kmph during the afternoon hours. The wind speed will be decrease becoming less than 18 kmph from the east direction during evening and night.

**08.05.2026:** Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 35°C to 37°C and 22°C to 24°C respectively. The minimum temperature will be below normal (-1.6°C to -3.0°C) at most places, and maximum temperatures will be appreciably below normal (-3.1°C to -5.0°C) at most places over Delhi. The predominant surface wind is likely to be from east direction with surface wind speed reaching up to 25 kmph during the morning hours. The wind speed will decrease becoming less than 20 kmph from the northeast direction during afternoon hours. The wind speed will be decrease becoming less than 15 kmph from the east direction during evening and night.

**09.05.2026:** Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 37°C to 39°C and 23°C to 25°C respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places, and the maximum temperature will be near normal (-1.5 to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from the southeast direction with wind reaching up to 15 kmph during the morning hours. The surface wind speed will decrease becoming up to 12 kmph from northwest direction during the afternoon. The surface wind will be decrease becoming up to 10 kmph from southeast direction during evening and night.

**10.05.2026:** Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 38°C to 40°C and 25°C to 27°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 normal (-1.5 to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from the southeast direction with wind reaching up to 10 kmph during the morning hours. The surface wind speed will be increase becoming up to 15 kmph from northwest direction during the afternoon. The surface wind speed will decrease becoming less than 12 kmph from the southeast direction during evening and night.

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

- ❖ **Thunderstorm with gusty winds/ Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Northeast, Central India during 07<sup>th</sup> -09<sup>th</sup>; Northwest India during 11<sup>th</sup> -13<sup>th</sup> and East and South Peninsular India during next 5 days.

### **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.

### **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 **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 blackgram, green gram, sugarcane, and vegetable plantations.

### **Agromet advisories for likely impact of High temperatures/ Heat Waves**

- In **Gujarat**, apply light and frequent irrigation to cluster bean and vegetables like cucumber, ridge gourd, bottle gourd, sponge gourd, bitter gourd etc. during morning or evening hours. Irrigate groundnut at the flowering and pegging stages.
- In **Rajasthan**, provide light irrigation to maintain adequate moisture in standing crops such as *Zaid* moong, American cotton & *Desi* cotton, okra, watermelon, muskmelon, tinda, cucumber & long melon.

### **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.

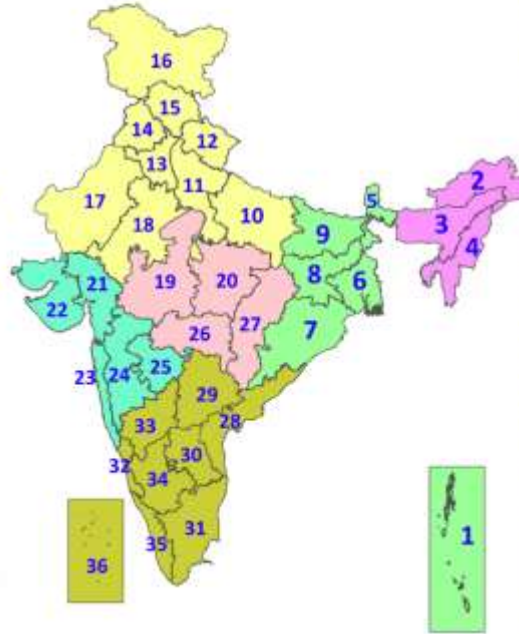
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.

### **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

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### DEFINITION/CRITERIA

<b>Rain/ Snow *</b>	<p><b>Heavy:</b> 64.5 to 115.5 mm/cm *</p> <p><b>Very Heavy:</b> 115.6 to 204.4 mm/cm*</p> <p><b>Extremely Heavy:</b> &gt; 204.4 mm/cm *</p>
<b>Heat Wave</b>	<p>When maximum temperature of a station reaches <math>\geq 40^{\circ}\text{C}</math> for plains and <math>\geq 30^{\circ}\text{C}</math> for hilly regions</p> <p><b>(a) Based on Departure from normal</b></p> <p><b>Heat Wave:</b> Maximum Temperature Departure from normal <math>4.5^{\circ}\text{C}</math> to <math>6.4^{\circ}\text{C}</math>.</p> <p><b>Severe Heat Wave:</b> Maximum Temperature Departure from normal <math>\geq 6.5^{\circ}\text{C}</math></p> <p><b>(b). Based on Actual maximum temperature</b></p> <p><b>Heat Wave:</b> When actual maximum temperature <math>\geq 45^{\circ}\text{C}</math>.</p> <p><b>Severe Heat Wave:</b> When actual maximum temperature <math>\geq 47^{\circ}\text{C}</math></p> <p><b>(c). Criteria for heat wave for coastal stations</b></p> <p>When maximum temperature departure is <math>&gt; 4.5^{\circ}\text{C}</math> from normal. Heat Wave may be described provided maximum temperature <math>\geq 37^{\circ}\text{C}</math></p>
<b>Warm Night</b>	<p><b>When maximum temperature remains <math>40^{\circ}\text{C}</math></b></p> <p><b>Warm Night:</b> When minimum temperature departure <math>4.5^{\circ}\text{C}</math> to <math>6.4^{\circ}\text{C}</math>.</p> <p><b>Severe Warm Night:</b> When minimum temperature departure <math>&gt; 6.4^{\circ}\text{C}</math>.</p>
<b>Cold Wave</b>	<p>When minimum temperature of a station <math>\leq 10^{\circ}\text{C}</math> for plains and <math>\leq 0^{\circ}\text{C}</math> for hilly regions.</p> <p><b>(a). Based on departure</b></p> <p><b>Cold Wave:</b> Minimum Temperature Departure from normal <math>-4.5^{\circ}\text{C}</math> to <math>-6.4^{\circ}\text{C}</math>.</p> <p><b>Severe Cold Wave:</b> Minimum Temperature Departure from normal <math>\leq -6.5^{\circ}\text{C}</math></p> <p><b>(b) Based on actual Minimum Temperature (for Plains only)</b></p> <p><b>Cold Wave :</b> When Minimum Temperature is <math>\leq 4.0^{\circ}\text{C}</math></p> <p><b>Severe Cold Wave:</b> When Minimum Temperature is <math>\leq 2.0^{\circ}\text{C}</math></p> <p><b>(c) For Coastal Stations</b></p> <p>When Minimum Temperature departure is <math>\leq -4.5^{\circ}\text{C}</math> &amp; actual Minimum Temperature is <math>\leq 15^{\circ}\text{C}</math></p>
<b>Cold Day</b>	<p>When minimum temperature of a station <math>\leq 10^{\circ}\text{C}</math> for plains and <math>\leq 0^{\circ}\text{C}</math> for hilly regions</p> <p><b>Based on departure</b></p> <p><b>Cold Day:</b> Maximum Temperature Departure from normal <math>-4.5^{\circ}\text{C}</math> to <math>-6.4^{\circ}\text{C}</math>.</p> <p><b>Severe Cold Day:</b> Maximum Temperature Departure from normal <math>\leq -6.5^{\circ}\text{C}</math></p>
<b>Fog</b>	<p><b>Phenomenon of small droplets suspended in air and the horizontal visibility <math>&lt; 1\text{km}</math></b></p> <p><b>Moderate Fog:</b> When the visibility between 500-200 metres</p> <p><b>Dense Fog:</b> when the visibility between 50- 200 metres</p> <p><b>Very Dense Fog:</b> when the visibility <math>&lt; 50</math> metres</p>
<b>Thunderstorm</b>	<p>Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)</p>
<b>Dust/Sand Storm</b>	<p>An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.</p>
<b>Frost</b>	<p><b>Ice deposits on ground</b></p> <p>Air temperature <math>\leq 4^{\circ}\text{C}</math> ( over Plains)</p>
<b>Squall</b>	<p><b>A strong wind that rises suddenly, lasts for atleast 1 minute.</b></p> <p><b>Moderate:</b> Wind speed 52-61 kmph</p> <p><b>Severe:</b> Wind speed 62-67 kmph</p> <p><b>Very Severe:</b> Wind speed <math>&gt; 67</math> kmph</p>
<b>Sea State</b>	<p><b>Effect of various waves in the sea over specific area</b></p> <p><b>Rough to very rough:</b> Wind speed 41-62 kmph (22-33 knots) &amp; Wave height 2.5-6 metre</p> <p><b>High to very high:</b> Wind speed 63-117 kmph ( 34-63 knots) &amp; Wave height 6-14 metre</p> <p><b>Phenomenal:</b> Wind speed <math>&gt; 117</math> kmph (<math>&gt; 63</math> knots) &amp; Wave height <math>&gt; 14</math> metre</p>
<b>Cyclone</b>	<p><b>Cyclonic Storm:</b> Wind speed 62-87 kmph (34-47 knots)</p> <p><b>Severe Cyclonic Storm:</b> Wind speed 88-117 kmph (48-63 knots)</p> <p><b>Very Severe Cyclonic Storm:</b> Wind speed 118-165 kmph (64 - 89 knots)</p> <p><b>Extremely Severe Cyclonic Storm:</b> Wind speed 166-220 kmph (90 -119 knots)</p> <p><b>Super Cyclone Storm:</b> Wind speed <math>&gt; 220</math> kmph (<math>&gt; 119</math> knots)</p>

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