



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 29th September 2026
Time of Issue: 1320 hours IST

**Subject: (i) Mainly dry weather likely to prevail over many parts of Northwest India from 30th September and over many parts of Central India from 02nd October, 2026.
(ii) Isolated heavy rainfall very likely over south Peninsular India during next 4 to 5 days.
(iii) Isolated heavy rainfall is likely over Nagaland, Manipur, Mizoram & Tripura and Assam & Meghalaya during next 2 days.**

Realised weather during past 24 hours ending at 0830 hours IST of today, the 29th September, 2026:

- ❖ **Very Heavy rainfall (12-20 cm)** has been recorded over Haryana
- ❖ **Heavy rainfall (7-11 cm)** has been recorded over Himachal Pradesh, Punjab, South Interior Karnataka, Meghalaya

Withdrawal of southwest Monsoon:

- ❖ **The line of withdrawal of Southwest Monsoon** continues to pass through 32.5°N/72.5°E, Gurdaspur, Chandigarh, Muzaffarnagar, Aligarh, Dholpur, Udaipur, Deesa, Naliya and 23.0°N/67.8°E.

Weather Systems, Forecast and Warnings (Annexure II & III):

- ❖ The Depression over coastal Myanmar and adjoining Eastcentral & Northeast Bay of Bengal moved very fast north-northwestwards with a speed of 32 kmph during past 6 hours and lay centred at 0830 hrs IST of today, the 29th September 2026 over coastal Myanmar and adjoining Eastcentral & Northeast Bay of Bengal near latitude 19.7°N and longitude 95.6°E, about 90 km southeast of Minbu (Myanmar), 130 km south of Meiktila (Myanmar), 180 km south-southeast of Nyaung-U (Myanmar), 260 km south of Mandalay (Myanmar) and 270 km south of Monywa (Myanmar). It is very likely to move further north-northwestwards and weaken into a well marked low pressure area over coastal Myanmar and adjoining southeast Bangladesh & Northeast Bay of Bengal around evening of today, the 29th September. Thereafter, it is very likely to continue to move further north-northwestwards towards southeast Bangladesh and adjoining areas of Myanmar, Mizoram, Tripura & Northeast Bay of Bengal and weaken gradually during subsequent 24 hours.
- ❖ An **upper air cyclonic circulation** lies over East Uttar Pradesh in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over northeast Assam & neighbourhood in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over Northwest & adjoining Westcentral Bay of Bengal between lower and middle tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over Eastcentral Arabian sea between lower and middle tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over north Tamil Nadu & adjoining south Coastal Andhra Pradesh in lower tropospheric level.
- ❖ A **north-south** trough runs from south Telangana to gulf of Mannar in lower tropospheric level.
- ❖ A **trough** from North Interior Karnataka to Tamil Nadu in lower tropospheric level.

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

Northwest India:

- ❖ **Isolated to Scattered** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 29th September and during 2nd-5th October; Himachal Pradesh on 29th September; Uttarakhand during 29th September-2nd October and on 5th October.
- ❖ **Isolated to Scattered** rainfall likely over West Uttar Pradesh on 29th September; East Rajasthan and East Uttar Pradesh during 29th-30th September.

Central India:

- ❖ **Isolated to Scattered** rainfall likely over Vidarbha and West Madhya Pradesh during 29th-30th September; East Madhya Pradesh during 29th September-3rd October; Chhattisgarh on 29th September and during 2nd-5th October.
- ❖ Isolated **thunderstorm & lightning** likely over West Madhya Pradesh during 29th-30th September; East Madhya Pradesh during 29th September-1st October.

East India:

- ❖ **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands, Gangetic West Bengal, Odisha and Sub-Himalayan West Bengal & Sikkim during 29th September-5th October; Jharkhand during 29th September-2nd October; Bihar during 29th-30th September and during 3rd-5th October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Bihar during 3rd-5th October; Odisha during 29th September-1st October.

Northeast India:

- ❖ **Isolated to Scattered** rainfall likely over Arunachal Pradesh and Assam & Meghalaya during 29th September-5th October; Nagaland, Manipur, Mizoram & Tripura during 1st-5th October.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Nagaland, Manipur, Mizoram & Tripura during 29th-30th September.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Nagaland, Manipur, Mizoram & Tripura on 29th September, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Assam & Meghalaya on 29th September.
- ❖ Isolated **thunderstorm & lightning** likely over Arunachal Pradesh on 29th September; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 30th September-1st October.
- ❖ Isolated **heavy rainfall** likely over Arunachal Pradesh during 2nd-4th October; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 29th-30th September.

West India:

- ❖ **Isolated to Scattered** rainfall likely over Konkan & Goa and Madhya Maharashtra during 29th September-5th October; Marathwada during 29th-30th September; Gujarat Region during 29th September-1st October; Saurashtra & Kutch during 30th September-1st October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Marathwada on 29th September.
- ❖ Isolated **thunderstorm & lightning** likely over Konkan & Goa on 29th September; Marathwada on 30th September.

South Peninsular India:

- ❖ **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, Lakshadweep, North Interior Karnataka, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 29th September-5th October; Kerala & Mahe during 29th-30th September; Coastal Karnataka during 29th-30th September and during 3rd-5th October; South Interior Karnataka during 2nd-5th October; Telangana on 29th September and during 2nd-3rd October.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 1st-5th October; Coastal Karnataka during 1st-2nd October; South Interior Karnataka during 29th September-1st October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 29th September-2nd October; Kerala & Mahe during 1st-3rd October; Rayalaseema during 29th September-3rd October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Andhra Pradesh & Yanam, North Interior Karnataka and South Interior Karnataka during 29th September-3rd October; Telangana on 29th September and during 2nd-3rd October.
- ❖ Isolated **thunderstorm & lightning** likely over Kerala & Mahe during 29th-30th September.
- ❖ Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 29th September-1st October; Kerala & Mahe during 30th September-3rd October; North Interior Karnataka during 29th-30th September; South Interior Karnataka during 29th September-2nd October.
- ❖ Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 29th September-3rd October.

Fishermen warnings:

- ❖ Along & off north Myanmar and Bangladesh coasts adjoining northeast during 29th September to 01st October, and over some parts of eastcentral Bay of Bengal on 29th September.

Weather conditions and forecast over Delhi/NCR during next 4 days (Annexure IV)

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>

Significant rainfall recorded (≥ 7 cm) (from 0830 hours IST of yesterday to 0830 hours IST of today over different Meteorological Subdivision):

Haryana: Karnal (dist Karnal) 12; Karnal AWS (dist Karnal), Uchani AWS (dist Karnal) 11 Each; Nissing REV (dist Karnal) 8; Karnal REV (dist Karnal), Rajaund (dist Kaithal) 7 Each;

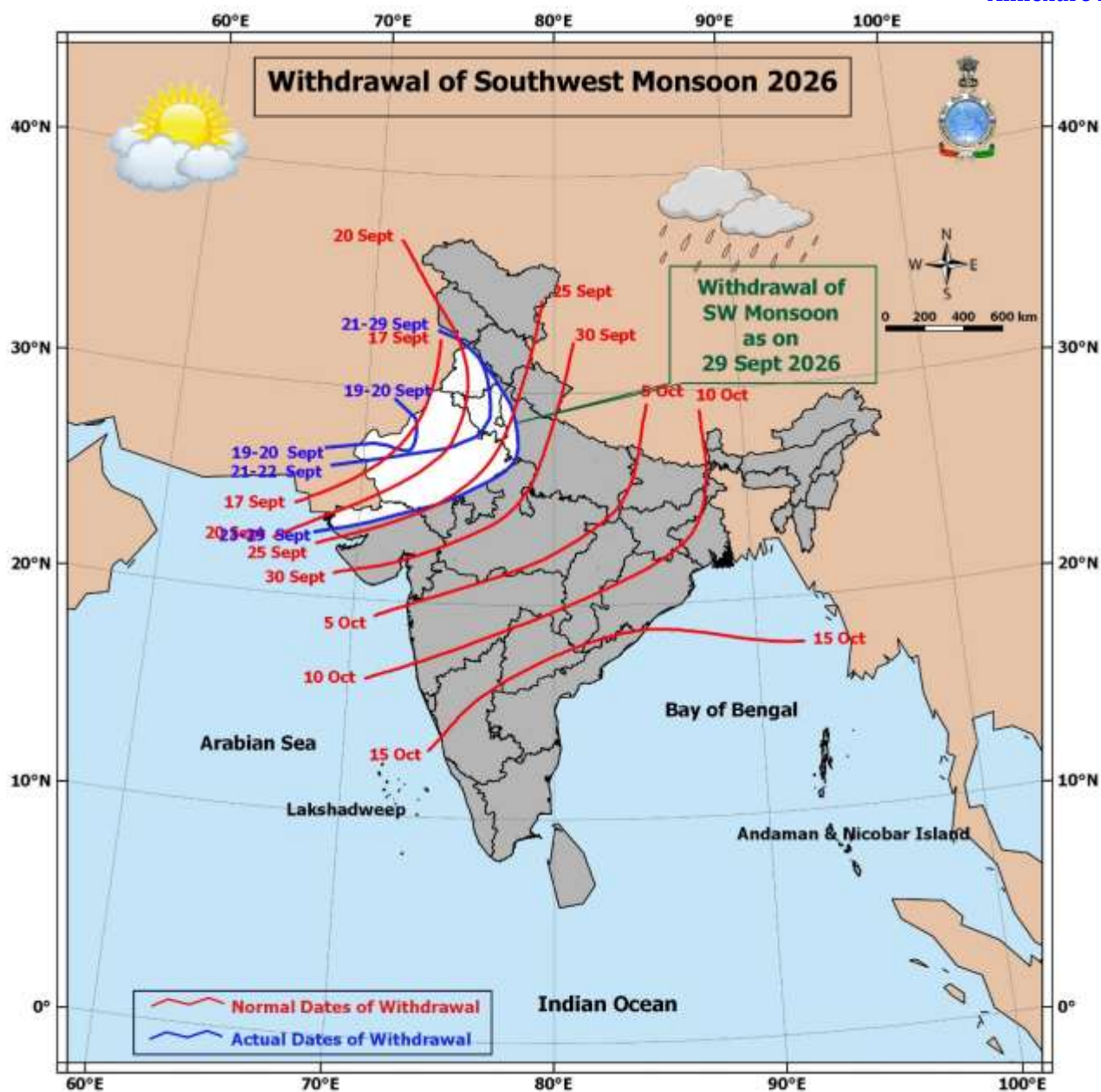
Tamil Nadu, Puducherry: Vendasandur (dist Dindigul), Tobacco Station Vdr (dist Dindigul) 9 Each; Dindigul ARG (dist Dindigul), Vendasandur AWS (dist Dindigul) 8;

Meghalaya: Mawryngkneng ARG (dist East Khasi Hills) 9;

South interior Karnataka: Chamarajanagar 9;

Punjab: Salern AWS (dist Hoshiarpur) 7;

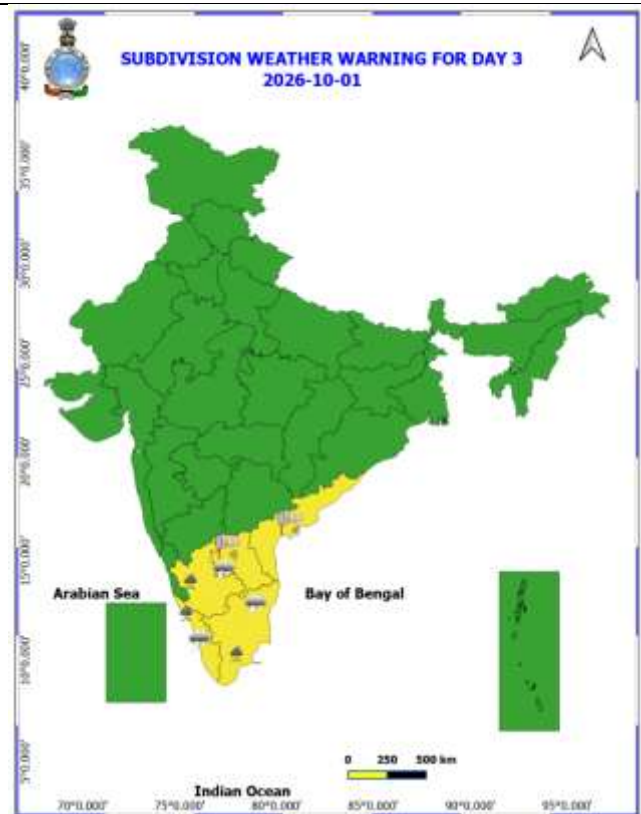
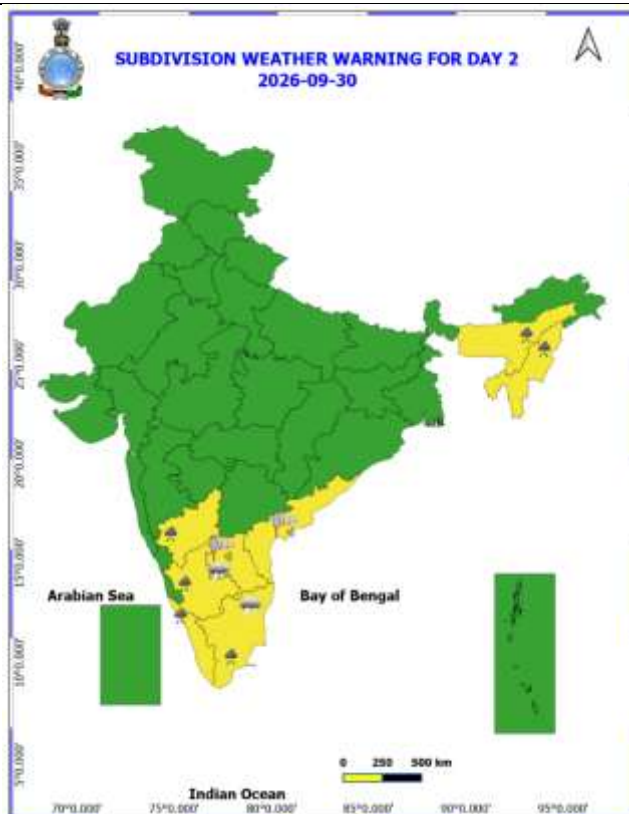
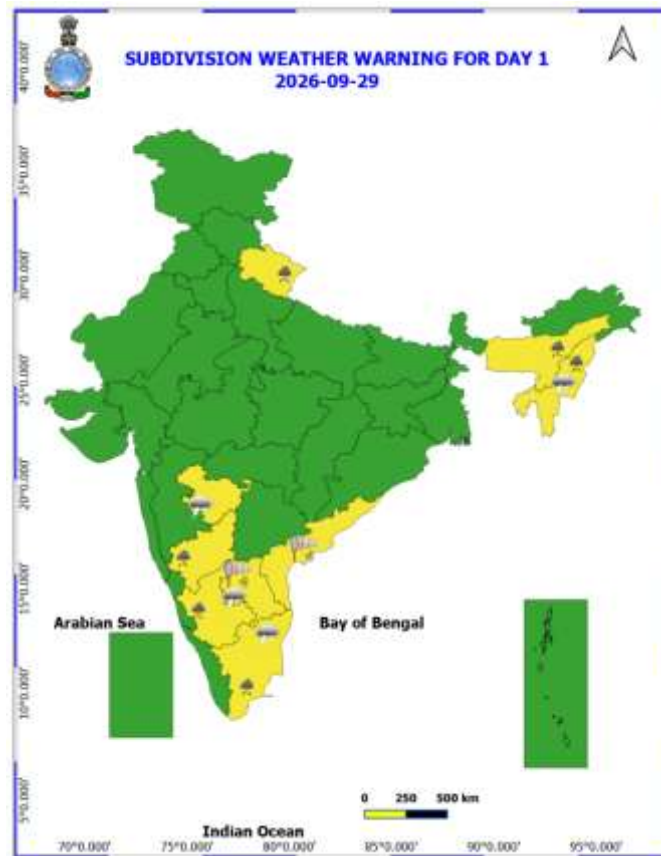
Himachal Pradesh: Jubberhatti 7.

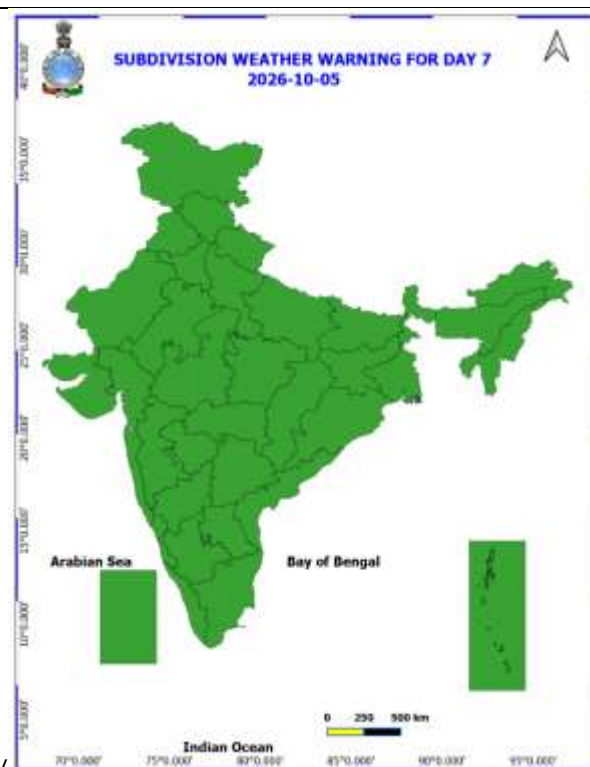
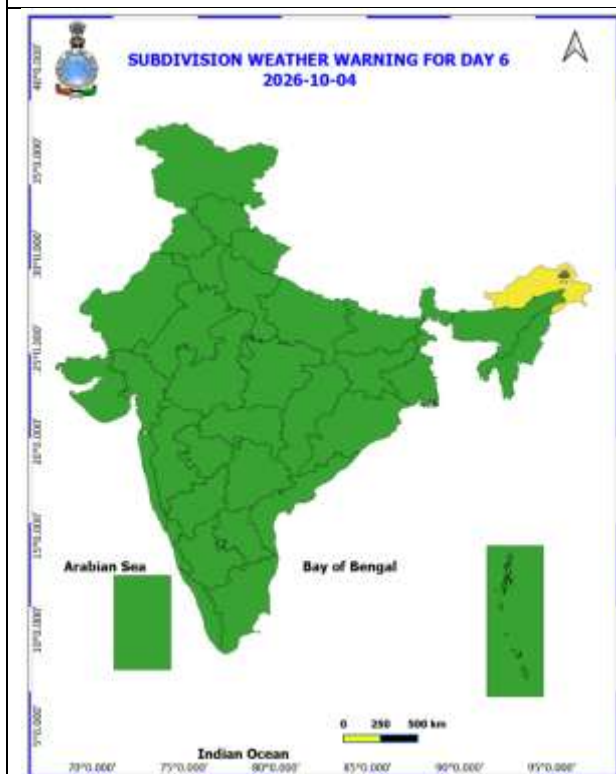
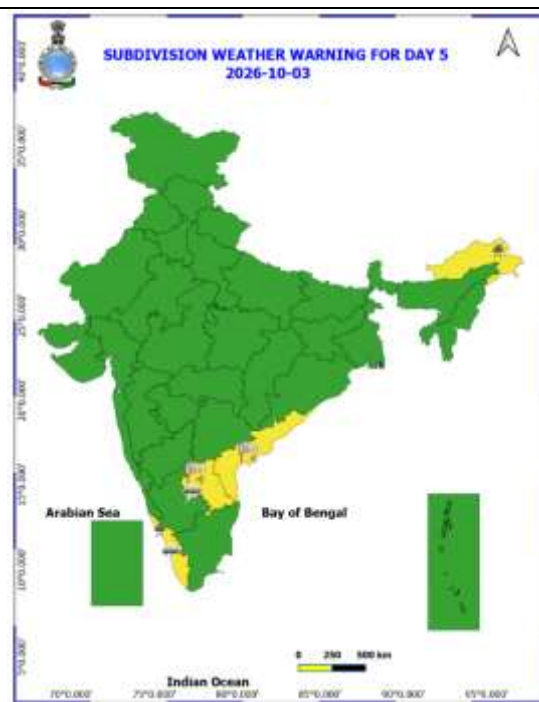
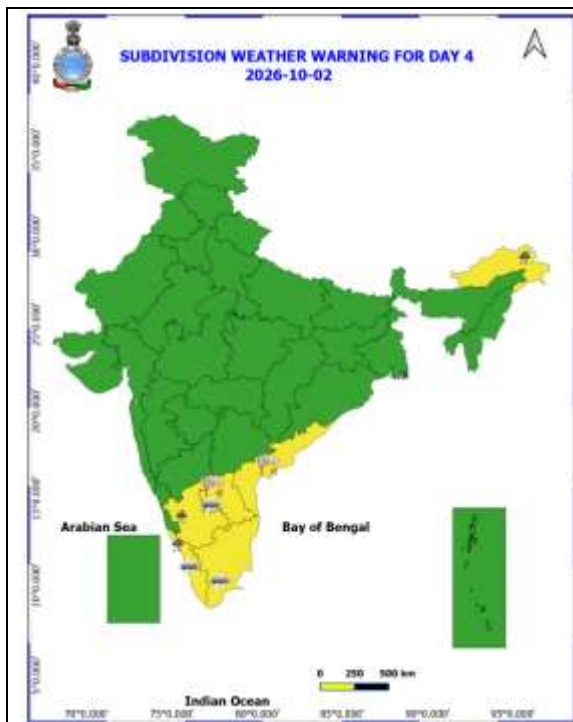


Annexure II

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

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 29th September-02nd October 2026**Past Weather:**

There has been fall in maximum temperatures by 1-2°C and fall in minimum temperatures by 1-2°C over Delhi during the past 24 hours. The maximum temperatures were around 27-29°C and the minimum temperatures are in the range 17-21°C respectively during past 24 hours over Delhi. The minimum temperatures are markedly below normal (-5.1°C or less) at isolated places, appreciably below normal (-3.1°C to -5.0°C) at isolated places and below normal (-1.6°C to -3.0°C) over remaining parts of Delhi. The maximum temperatures are markedly below normal (-5.1°C or less) at most places over Delhi. Very light to light rain has been occurred at many places over Delhi during past 24 hours. Generally cloudy sky with surface wind speed 20 kmph gusting 32 kmph from the west-northwest direction prevailed over Delhi during past 24 hours. Partly cloudy sky with surface wind speeds up to 20 kmph from the northwest direction likely to prevail during forenoon over the region today.

Weather Forecast:

29.09.2026: Partly cloudy sky. The maximum temperatures over Delhi are likely to be in the range of 30-32°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 northwest direction with surface wind speed reaching up to 18 kmph during the afternoon. The surface wind speed will decrease becoming up to 12 kmph from the northeast direction during evening and night hours.

30.09.2026: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 32°C to 34°C and 20°C to 22°C, respectively. The minimum temperature will be below normal (-1.6°C to -3.0°C) at most places, and the maximum temperatures will be below 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 15 kmph during the morning hours. The surface wind speed will increase becoming up to 18 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 12 kmph from the northwest direction during evening and night hours.

01.10.2026: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35°C and 20°C to 22°C, respectively. The minimum temperature will be below normal (-1.6°C to -3.0°C) at most places, and the maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speed reaching up to 15 kmph during the morning hours. The surface wind speed will increase becoming up to 18 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 15 kmph from the northwest direction during evening and night hours.

02.10.2026: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35°C and 21°C to 23°C, respectively. The minimum temperature will be below normal (-1.6°C to -3.0°C) at most places, and the maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speed reaching up to 22 kmph during the morning hours. The surface wind speed will increase becoming up to 25 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 22 kmph from the northwest direction during evening and night hours.

Impact Expected and Action Suggested due to very heavy rainfall:

- ❖ Isolated **heavy rainfall** likely over Arunachal Pradesh during 2nd-4th October; Assam & Meghalaya and Nagaland, Manipur, Mizoram, Tripura and North Interior Karnataka during 29th-30th; Tamil Nadu, Puducherry & Karaikal during 29th September-1st October; Kerala & Mahe during 30th September-3rd October; South Interior Karnataka during 29th September-2nd October.

Impact expected:

- ❖ Breaking of tree branches, uprooting of small trees like banana, papaya, drum sticks. Strong wind and rain may damage plantation, horticulture and standing crops.
- ❖ Partial damage to vulnerable structures due to strong winds and rain.
- ❖ Minor damage to kutchha houses/walls, huts and roads due to heavy rain.
- ❖ Loose objects may fly.
- ❖ Small ships, trawlers and boats may be affected.
- ❖ Road and rail traffic may be affected due to heavy rain and squally winds.
- ❖ There could be localised landslides, mudslides, landslips, water logging, inundation and flooding over low lying areas.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Helicopter services may get affected.

Action suggested:

- ❖ People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- ❖ Take safe shelters; do not take shelter under trees, as there could be lightning.
- ❖ In case of expected lightning, unplug electrical/ electronic appliances, immediately, get out of water bodies and keep away from all the objects that conduct electricity.
- ❖ Tourism and recreational activities to be regulated.
- ❖ Onshore and offshore activities to be judiciously regulated.
- ❖ Helicopter services to be regulated.

Agromet advisories for likely impact of Heavy Rainfall

- In **Tamil Nadu**, protect mature pineapple and other horticultural produce from rain damage and harvest during dry intervals. Keep vegetable fields well drained, avoid field operations when soil is excessively wet, and protect nursery beds and newly planted crops from waterlogging.
- In **Karnataka**, maintain drainage in standing crop fields and postpone irrigation, intercultural operations, fertilizer and plant protection. Harvest mature green gram, black gram and soybean during dry intervals and shift harvested produce to safe, covered storage.
- In **Kerala**, maintain drainage in banana, coconut, paddy, spice and vegetable fields and prevent water stagnation in field. Postpone irrigation and field operations during rainfall.
- In **Arunachal Pradesh**, ensure proper drainage in rice, maize, finger millet, soybean and vegetable fields to prevent waterlogging. Harvest mature Jhum rice, soybean and vegetables during dry intervals and shift the produce to covered, dry shelters. Protect vegetable nurseries under covered structures and support vulnerable crops against lodging.
- In **Assam and Meghalaya**, drain excess water from Sali rice, maize, ginger and vegetable fields and keep drainage channels clear. Harvest mature jute, banana and bottle gourd during dry intervals and shift produce to safe, dry places. Maintain field bunds and protect vegetable nurseries from excess rain.
- In **Nagaland, Manipur, Mizoram and Tripura**, ensure adequate drainage in standing crop fields and postpone irrigation, intercultural operations, fertilizer and plant protection applications while fields remain wet. Harvest mature Jhum rice, maize, soybean, groundnut and black gram during suitable dry intervals and shift the produce to safe storage.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.

- Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

Livestock / Poultry / Fisheries

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

Legends & abbreviations:

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.

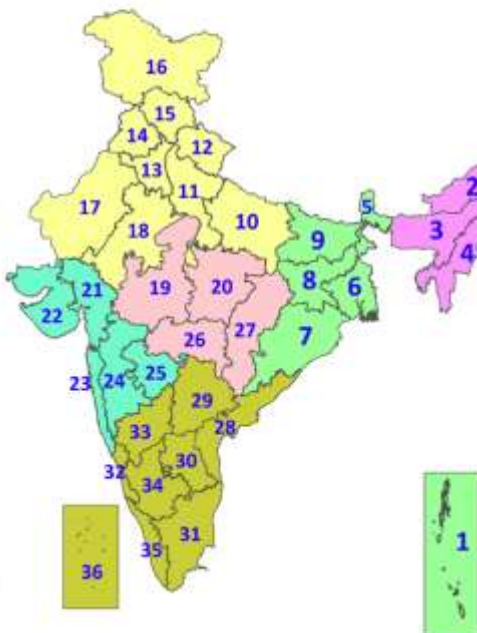
Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

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.
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(Service to the Nation since 1875)

DEFINITION/CRITERIA

Rain/ Snow *	Heavy: 64.5 to 115.5 mm/cm * Very Heavy: 115.6 to 204.4 mm/cm * Extremely Heavy: > 204.4 mm/cm *
Heat Wave	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 $\geq 37^{\circ}\text{C}$
Warm Night	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 $> 6.4^{\circ}\text{C}$.
Cold Wave	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 $\leq 15^{\circ}\text{C}$
Cold Day	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 $\leq -6.5^{\circ}\text{C}$
Fog	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
Thunderstorm	Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)
Dust/Sand Storm	An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.
Frost	Ice deposits on ground Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)
Squall	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
Sea State	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
Cyclone	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 118-185 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 186-220 kmph (90 -119 knots) Super Cyclone Storm: Wind speed > 220 kmph (> 119 knots)

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