2026-10-17
Time of Issue: 13:14:00 hours IST
(Mid-Day)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Systems and Warnings:

South Peninsular India:

- **Fairly Widespread to Widespread** rainfall likely over Coastal Karnataka, Kerala & Mahe, Lakshadweep, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal during 17th-23rd October; Coastal Andhra Pradesh & Yanam and Rayalaseema during 17th-18th October.
- **Isolated to Scattered** rainfall likely over North Interior Karnataka and Telangana during 17th-23rd October; Coastal Andhra Pradesh & Yanam and Rayalaseema during 19th-23rd October.
- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Kerala & Mahe and Lakshadweep on 17th October; Coastal Andhra Pradesh & Yanam and Rayalaseema during 17th-18th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over North Interior Karnataka and South Interior Karnataka during 17th-21st October; Coastal Andhra Pradesh & Yanam and Rayalaseema during 19th-21st October; Telangana during 17th-22nd October.
- Isolated **thunderstorm & lightning** likely over Tamil Nadu, Puducherry & Karaikal during 17th-23rd October; Kerala & Mahe and Lakshadweep during 18th-21st October; Coastal Karnataka during 17th-21st October.
- Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 18th-19th October and during 21st-23rd October; Kerala & Mahe and South Interior Karnataka during 18th-23rd October; Lakshadweep on 17th October and during 20th-23rd October; Coastal Karnataka during 20th-22nd October; North Interior Karnataka on 17th October; Coastal Andhra Pradesh & Yanam on 18th October; Rayalaseema during 17th-18th October with isolated **very heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal on 17th October and on 20th October; Coastal Andhra Pradesh & Yanam, Coastal Karnataka, Kerala & Mahe and South Interior Karnataka on 17th October.
- Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 17th-21st October.

West India:

- Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Konkan & Goa and Marathawada during 17th-19th October; Madhya Maharashtra during 17th-20th October.

Northwest, Central, East & Northeast India:

- No significant weather likely over Northwest, Central, East & Northeast India during the week.

Heat Wave, Hot & Humid weather and Warm Night conditions warning:

- **Hot and humid** weather conditions likely to prevail over Konkan & Goa on 17th October.

Fishermen Warning:

- **Arabian Sea:** Along & off Karnataka & Kerala coasts and over Lakshadweep area during 17th to 19th October.

Main Weather Observations:

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

❖ **Significant rainfall recorded(in cm)** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Kerala & Mahe**: Kannur (dist Cannur) 15; Vadakara (dist Kozhikode) 11; Tellichery (dist Cannur) 10; Vadakara AWS (dist Kozhikode) 9; Peringome AWS (dist Cannur) 7; **Tamil Nadu, Puducherry & Karaikal**: Uthiramerur (dist Kancheepuram) 15; Perambalur (dist Perambalur), Labbaikudikadu (dist Perambalur), Basl Manalurpet (dist Kallakurichi) 12 Each; Basl Mugaiyur (dist Villupuram) 11; Puducherry (dist Puducherry), Chengam (dist Tiruvannamalai) 10 Each; Kancheepuram (dist Kancheepuram), Cheyyar (dist Tiruvannamalai), Kilacheruvai (dist Cuddalore), Kuppanatham (dist Cuddalore), Kcs Mill-1 Moongilthura (dist Kallakurichi), Dscl Eraiyur (dist Kallakurichi) 9 Each; Virudachalam (dist Cuddalore), Dscl Rishivandhiyam (dist Kallakurichi), Kodanad (dist Nilgiris) 8 Each; Chennai(n) (dist Chennai), Thuraiyur (dist Trichy), Sankarapuram (dist Kallakurichi), Thandarampettai (dist Tiruvannamalai), Kcs Mill Ariyalur (dist Kallakurichi), Kcs Mill Moorarpalayam (dist Kallakurichi), Scs Mill Arasoor (dist Villupuram), Ariyalur Camp Area (dist Kallakurichi), Pambar Dam (dist Krishnagiri) 7 Each; Avinasi (dist Tiruppur), Krishnagiri (dist Krishnagiri), Ponneri (dist Tiruvallur), Tiruttani (dist Tiruvallur), Mylam AWS (dist Villupuram), Jambukuttapatti (dist Krishnagiri), Rscl-2 Kedar (dist Villupuram), Rscl-2 Valavanur (dist Villupuram), Pillur Dam Mettupalayam (dist Coimbatore), Kunderipallam (dist Erode), Mambzhathuraiyaru (dist Kanyakumari), Anaikedanku (dist Kanyakumari) 6 Each; **Konkan & Goa**: Dabolim N.a.s.- Navy (dist South Goa) 12; **Coastal Karnataka**: Manki (dist Uttara Kannada) 10; Mangaluru AP (dist Dakshina Kannada) 7; Puttur HMS (dist Dakshina Kannada) 6; **Rayalaseema**: Palasamudram (dist Chittoor) 8; Madanapalle (dist Annamayya District) 6; **Coastal Andhra Pradesh & Yanam**: Lam AP (dist Guntur) 7; Narsipatnam (dist Anakapalli) 6; **North Interior Karnataka**: Kalghatgi (dist Dharwad) 7; **South Interior Karnataka**: Bargur (dist Tumakuru), Kunigal (dist Tumakuru) 6 Each.

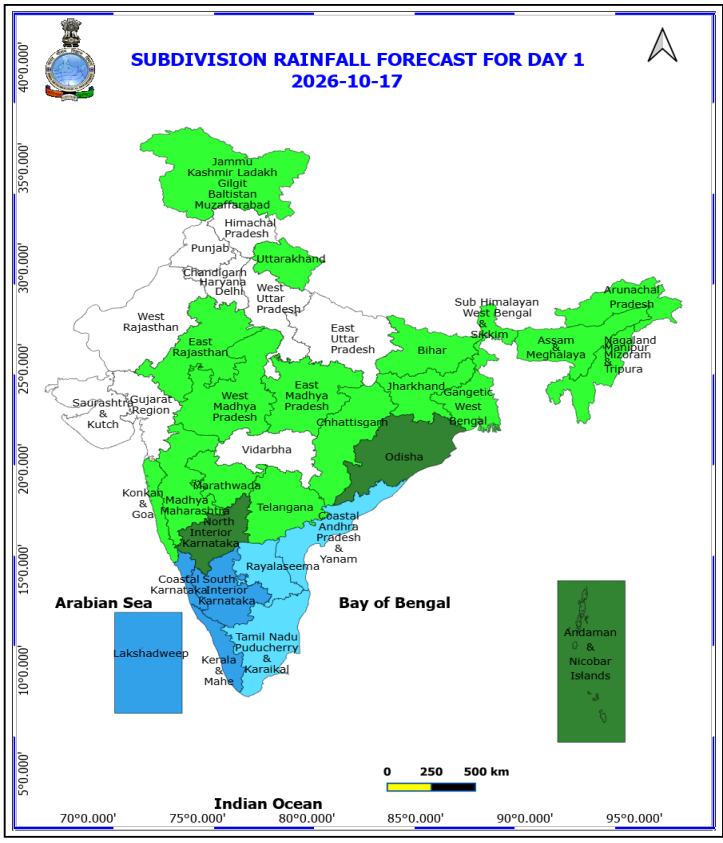
❖ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today):**Heavy to very heavy rain** at isolated places over Konkan & Goa, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. **Heavy rain** at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Coastal Karnataka, North Interior Karnataka and South Interior Karnataka.

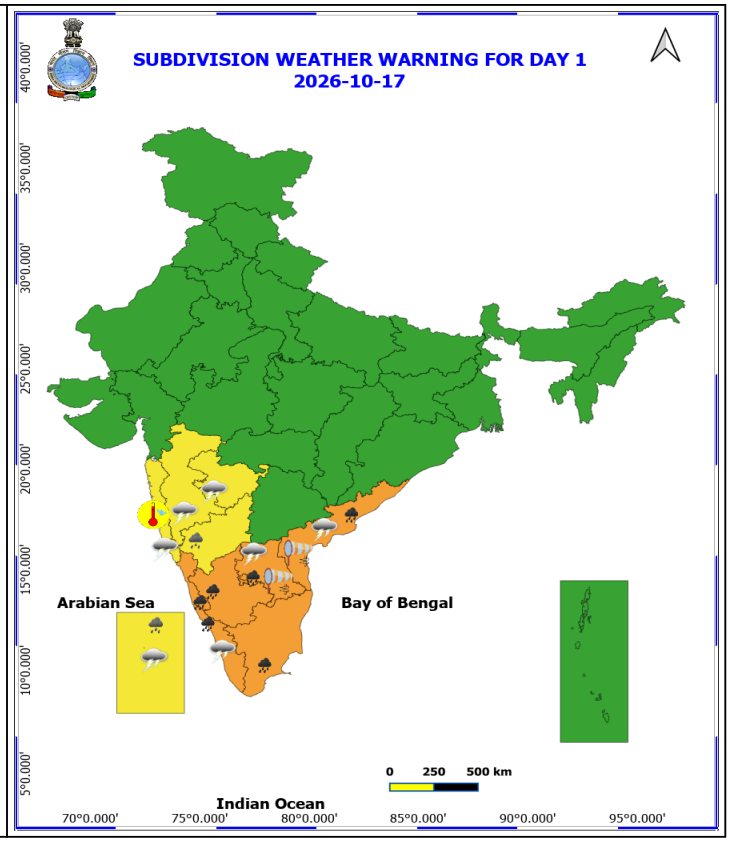
❖ **Minimum Temperature Departures (as on 17-10-2026): markedly above normal(> 5.1°C)** at isolated places over Assam & Meghalaya, West Uttar Pradesh, East Rajasthan and Madhya Maharashtra. **appreciably above normal(3.1°C to 5.0°C)** at few places over Sub Himalayan West Bengal & Sikkim and Saurashtra & Kutch; at isolated places over Odisha, East Uttar Pradesh, West Rajasthan, East Madhya Pradesh, Gujarat Region and Telangana. **above normal(1.6°C to 3.0°C)** at many places over West Madhya Pradesh and Chhattisgarh; at few places over Andaman & Nicobar Islands, Bihar, Konkan & Goa, Vidarbha, Rayalaseema, North Interior Karnataka and Lakshadweep; at isolated places over Gangetic West Bengal, Jharkhand, Haryana-Chandigarh-Delhi, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. **near normal(-1.5°C to 1.5°C)** at many places over Punjab; at most places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Uttarakhand, Himachal Pradesh, Marathwada, Coastal Karnataka, South Interior Karnataka and Kerala & Mahe; at few places over Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad. **The lowest minimum temperature** of 13.0°C was reported at BHATINDA (PUNJAB) over the Plains of India.

❖ **Maximum Temperature Departures (as on 16-10-2026): near normal(-1.5°C to 1.5°C)** at most places over West Rajasthan and Konkan & Goa; at isolated places over Tamil Nadu, Puducherry & Karaikal. **The highest maximum temperature** of 40.1°C was reported at RAJKOT (A) (GUJARAT).

Meteorological Analysis (Based on 0830 hours IST)

- The **Western Disturbance** as a **cyclonic circulation** over north Punjab & neighbourhood lay over north Haryana & neighbourhood between 3.1 & 4.5 km above mean sea level.
- The **upper air cyclonic circulation** over south Rajasthan & adjoining north Gujarat lay over southeast Rajasthan and adjoining south Madhya Pradesh at 0.9 km above mean sea level.
- The **upper air cyclonic circulation** over north Haryana & neighbourhood lay over northwest Uttar Pradesh & neighbourhood at 0.9 km above mean sea level.
- The **upper air cyclonic circulation** over north Tamil Nadu and adjoining south Coastal Andhra Pradesh persists between 4.5 & 5.8 km above mean sea level.
- The **upper air cyclonic circulation** over northern parts of Lakshadweep & neighbourhood extending upto 5.8 km above mean sea level persists.
- A **trough** runs from **upper air cyclonic circulation** over northern parts of Lakshadweep to Southwest Bay of Bengal across Keralam, Tamilnadu between 1.5 & 3.1 km above mean sea level.
- A **trough** runs from Eastcentral Arabian sea off Karnataka coasts to Comorian area upto 1.5 km above mean sea level.





17 October (Day 1)

❖ **Heavy to Very Heavy Rainfall** very likely at isolated places over Andhra Pradesh, Coastal Karnataka, Kerala & Mahe, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.

❖ **Heavy Rainfall** very likely at isolated places over Lakshadweep and North Interior Karnataka.

❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Kerala & Mahe, Konkan & Goa, Lakshadweep, Madhya Maharashtra and Marathwada.

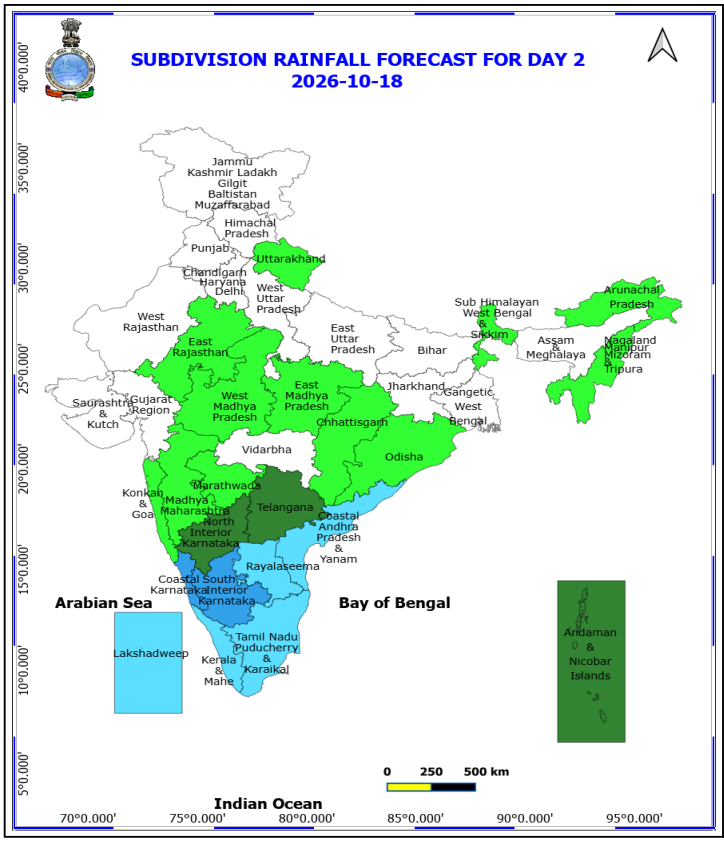
❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over East Rajasthan, East Uttar Pradesh, Interior Karnataka, Madhya Pradesh, Odisha and Telangana.

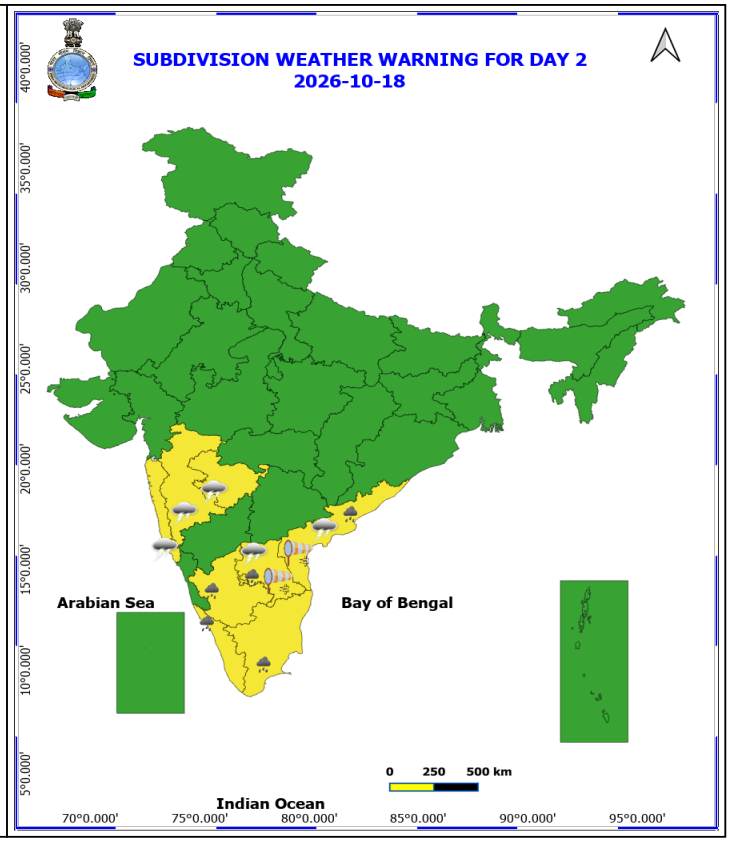
❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Chhattisgarh, Coastal Karnataka, Himachal Pradesh and Tamil Nadu Puducherry & Karaikal.

❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.

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

❖ **Arabian Sea: Squally weather with wind speed 35-45 kmph gusting to 55 kmph** is likely to prevail along & off Karnataka & Kerala coasts and over Lakshadweep area.





18 October (Day 2)

❖ **Heavy Rainfall** very likely at isolated places over Andhra Pradesh, Kerala & Mahe, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.

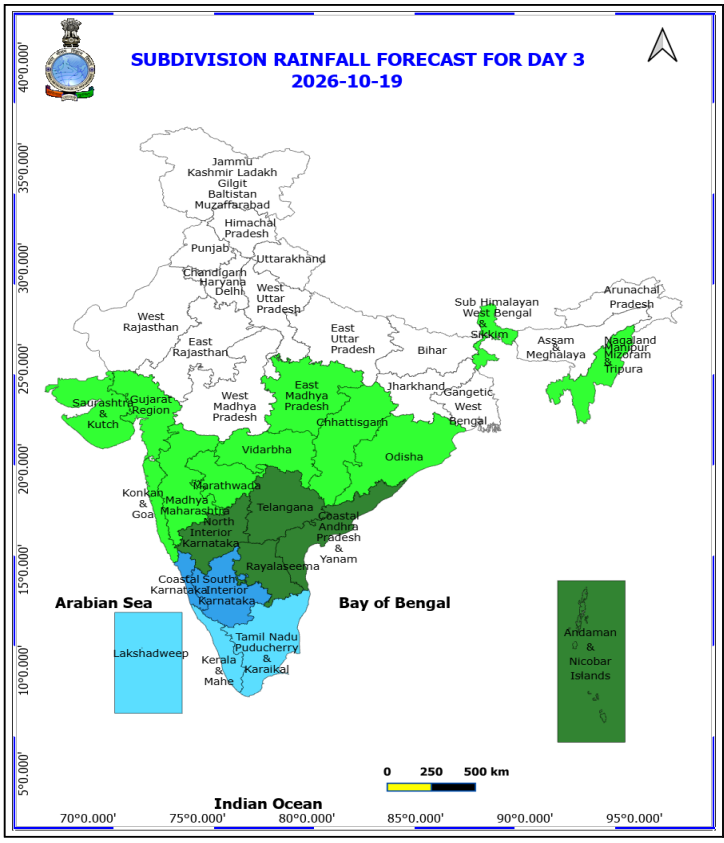
❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Andhra Pradesh, Konkan & Goa, Madhya Maharashtra and Marathwada.

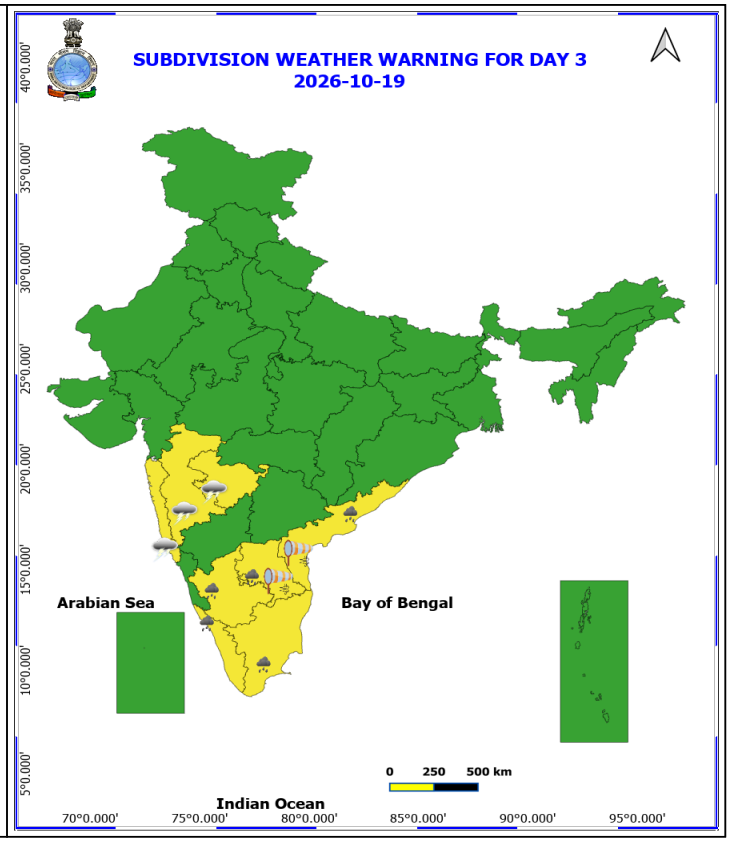
❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over East Rajasthan, East Uttar Pradesh, Interior Karnataka, Madhya Pradesh, Odisha and Telangana.

❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Chhattisgarh, Coastal Karnataka, Kerala & Mahe, Lakshadweep and Tamil Nadu Puducherry & Karaikal.

❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.

❖ **Arabian Sea: Squally weather with wind speed 35-45 kmph gusting to 55 kmph** is likely to prevail along & off Karnataka & Kerala coasts and over Lakshadweep area.





19 October (Day 3)

❖ **Heavy Rainfall** very likely at isolated places over Andhra Pradesh, Kerala & Mahe, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.

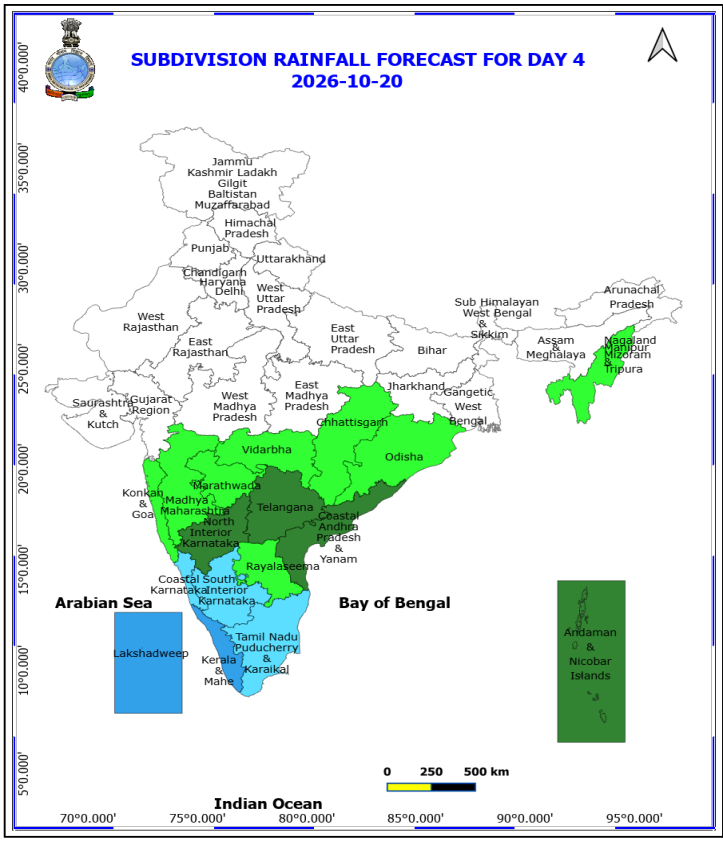
❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** very likely at isolated places over Konkan & Goa, Madhya Maharashtra and Marathwada.

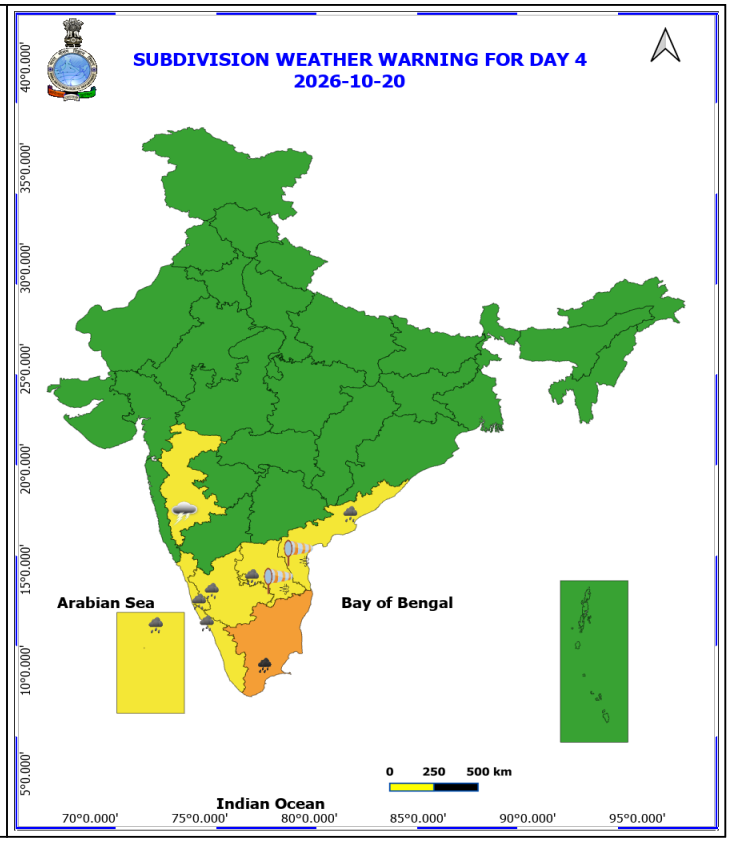
❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** very likely at isolated places over Andhra Pradesh, East Madhya Pradesh, Interior Karnataka and Telangana.

❖ **Thunderstorm accompanied with Lightning** very likely at isolated places over Chhattisgarh, Coastal Karnataka, Kerala & Mahe, Lakshadweep, Tamil Nadu Puducherry & Karaikal and Vidarbha.

❖ **Strong Surface Winds** very likely at isolated places over Andhra Pradesh.

No Fishermen Warning





20 October (Day 4)

❖ **Heavy to Very Heavy Rainfall** likely at isolated places over Tamil Nadu Puducherry & Karaikal.

❖ **Heavy Rainfall** likely at isolated places over Andhra Pradesh, Coastal Karnataka, Kerala & Mahe, Lakshadweep and South Interior Karnataka.

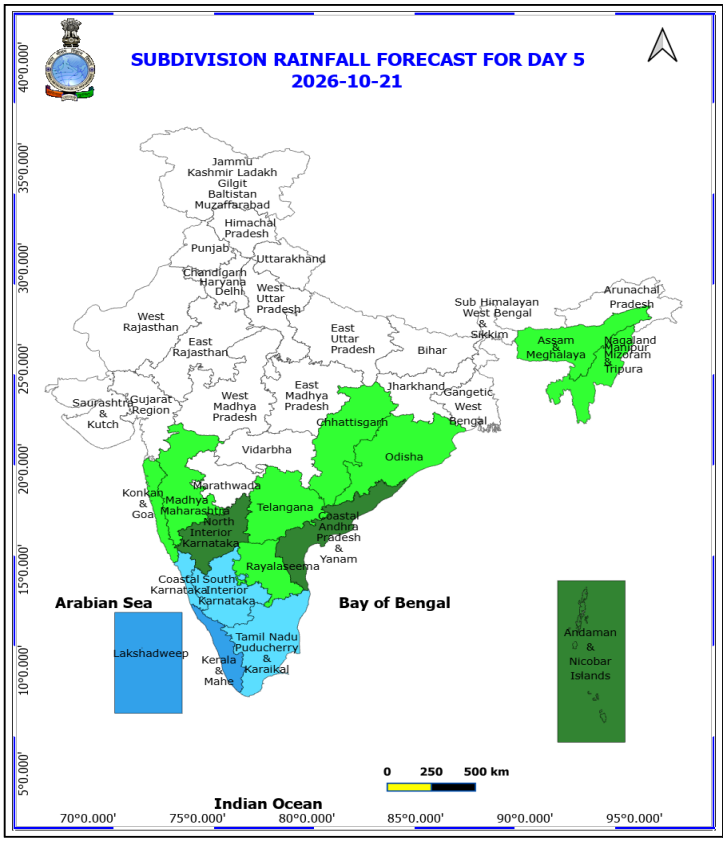
❖ **Thunderstorm accompanied with lightning & gusty winds(40-50kmph)** likely at isolated places over Madhya Maharashtra.

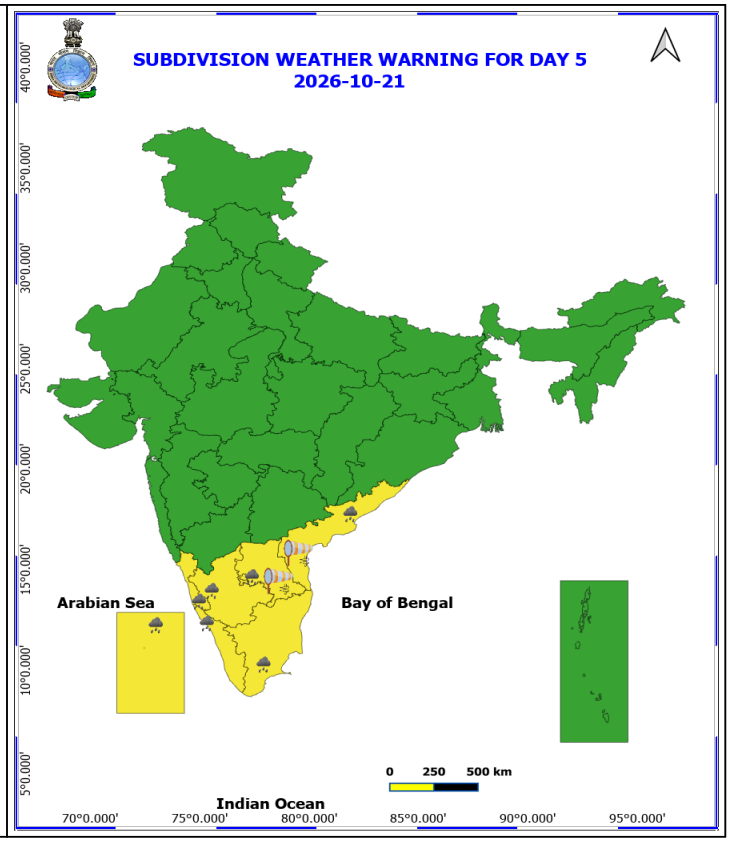
❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andhra Pradesh, Interior Karnataka and Telangana.

❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Chhattisgarh, Coastal Karnataka, Kerala & Mahe, Lakshadweep, Tamil Nadu Puducherry & Karaikal and Vidarbha.

❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh.

No Fishermen Warning





21 October (Day 5)

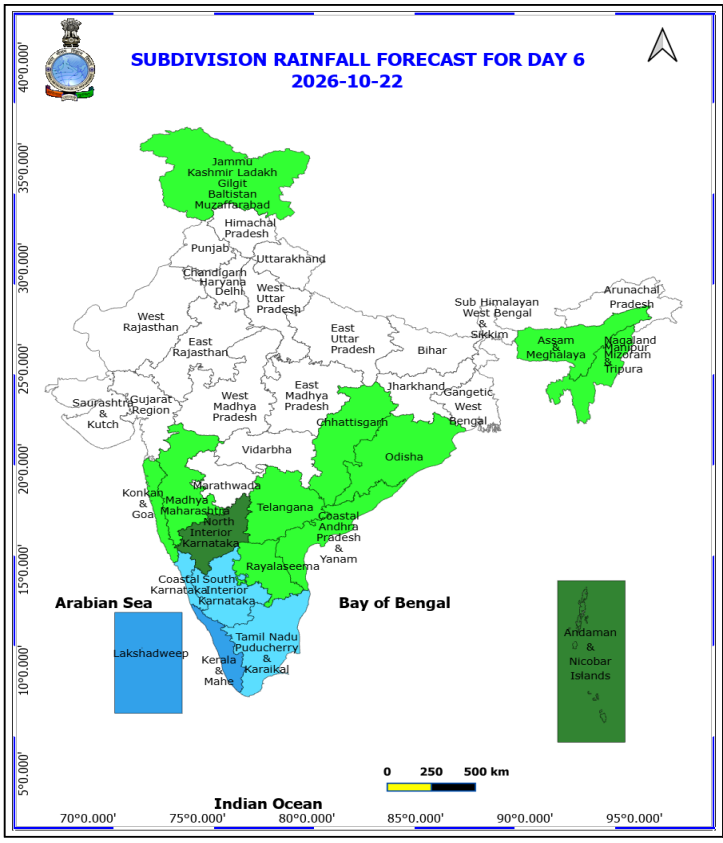
❖ **Heavy Rainfall** likely at isolated places over Andhra Pradesh, Coastal Karnataka, Kerala & Mahe, Lakshadweep, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.

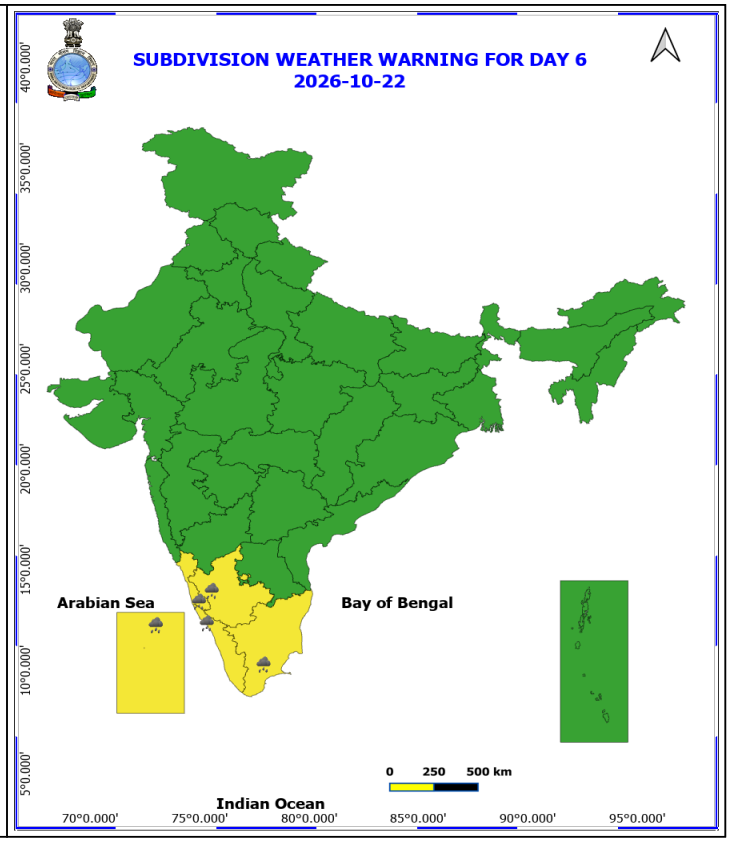
❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Andhra Pradesh, Interior Karnataka and Telangana.

❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Coastal Karnataka, Kerala & Mahe, Lakshadweep and Tamil Nadu Puducherry & Karaikal.

❖ **Strong Surface Winds** likely at isolated places over Andhra Pradesh.

No Fishermen Warning





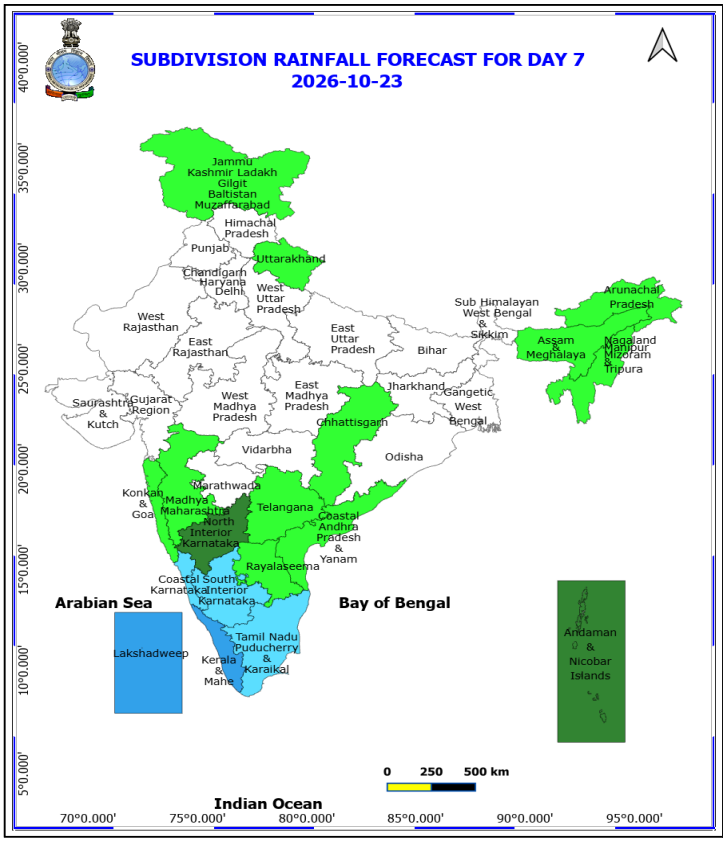
22 October (Day 6)

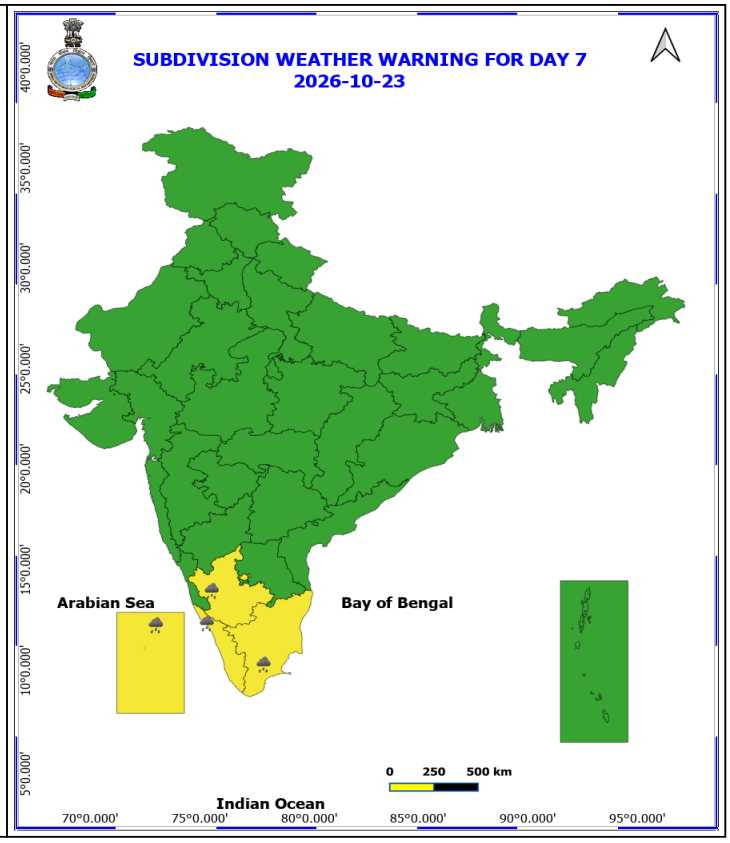
❖ **Heavy Rainfall** likely at isolated places over Coastal Karnataka, Kerala & Mahe, Lakshadweep, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.

❖ **Thunderstorm accompanied with lightning & gusty winds(30-40kmph)** likely at isolated places over Telangana.

❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Tamil Nadu Puducherry & Karaikal.

No Fishermen Warning





23 October (Day 7)

❖ **Heavy Rainfall** likely at isolated places over Kerala & Mahe, Lakshadweep, South Interior Karnataka and Tamil Nadu Puducherry & Karaikal.

❖ **Thunderstorm accompanied with Lightning** likely at isolated places over Tamil Nadu Puducherry & Karaikal.

No Fishermen Warning

Table-1

7 Days Rainfall Forecast

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

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

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

Fig. 1: Maximum Temperatures Dated 2026-10-16

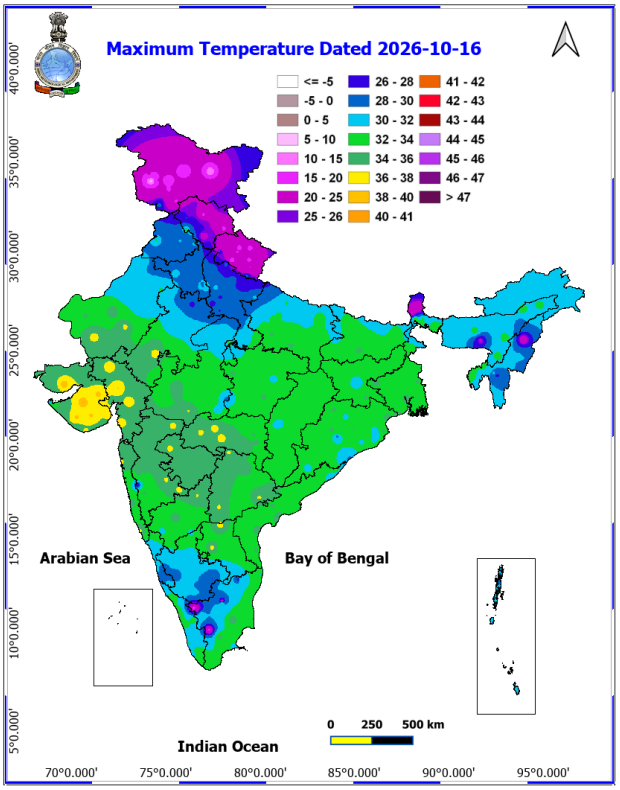


Fig. 2: Departure of Maximum Temp. Dated 2026-10-16

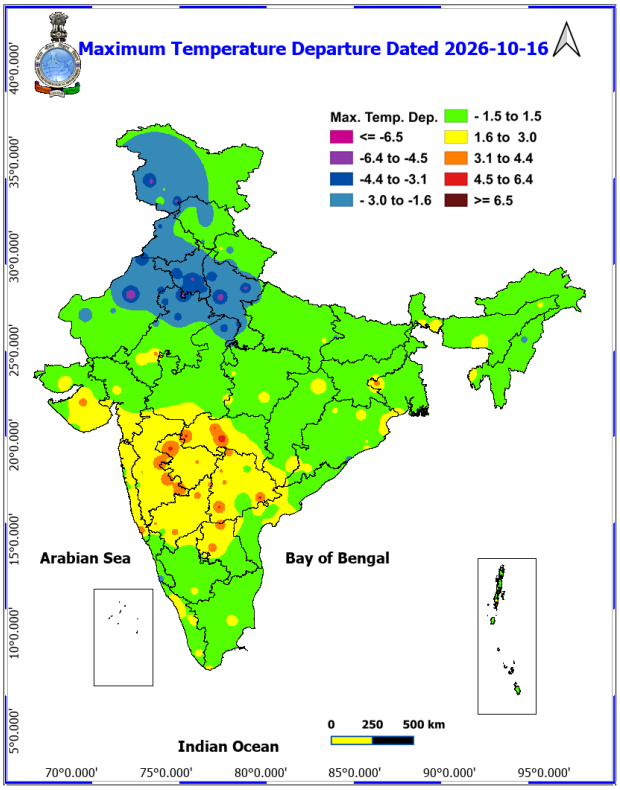


Fig. 3: Minimum Temperatures Dated 2026-10-17

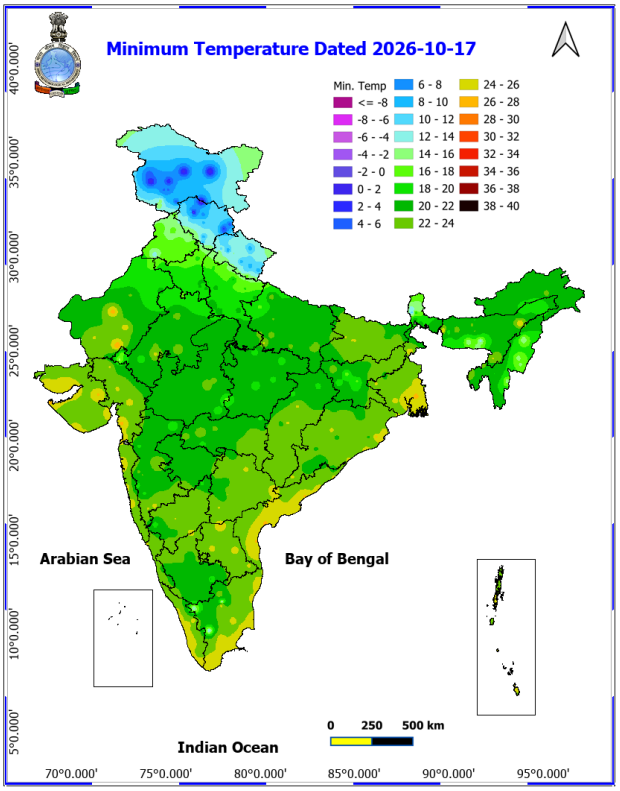
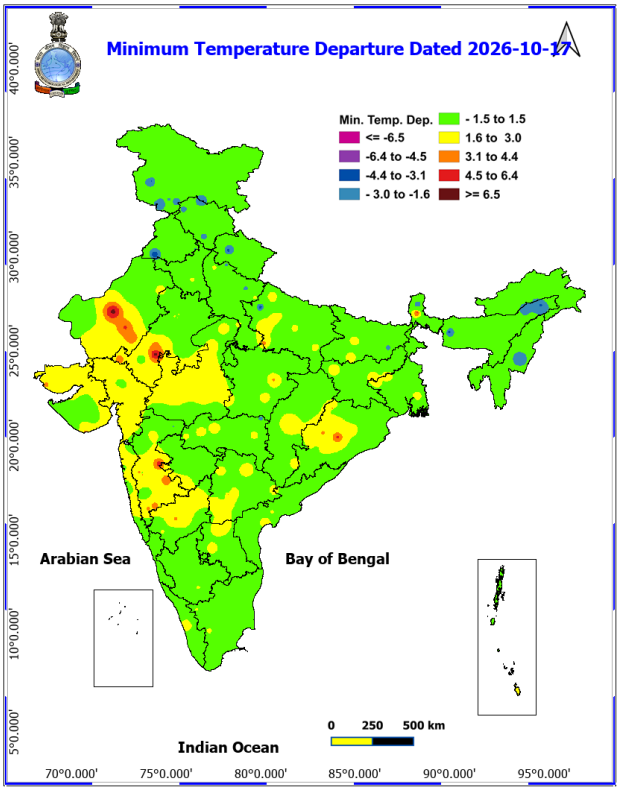
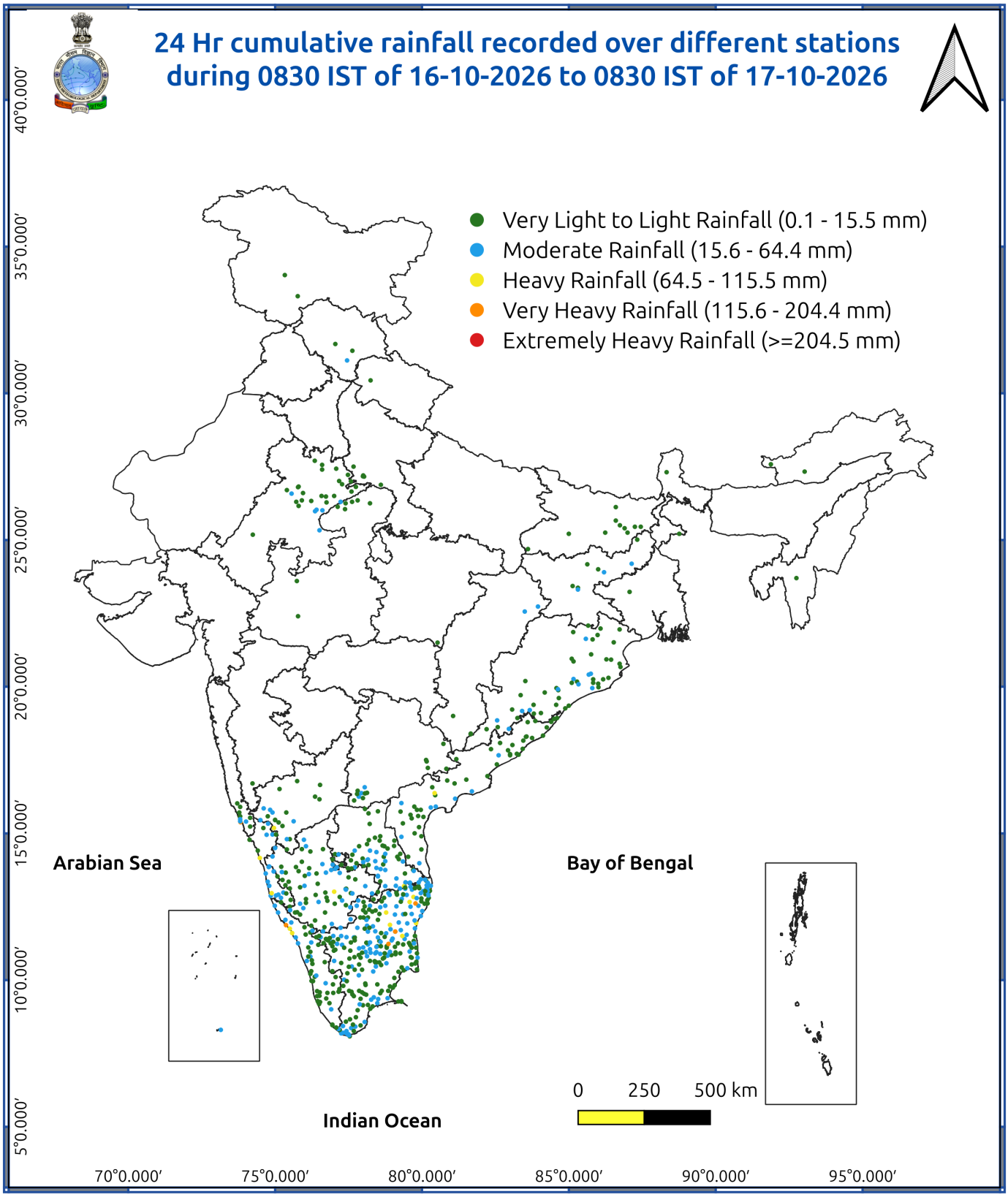


Fig. 4: Departure of Minimum Temp. Dated 2026-10-17




24 Hr cumulative rainfall recorded over different stations
during 0830 IST of 16-10-2026 to 0830 IST of 17-10-2026
Very Light to Light Rainfall (0.1 - 15.5 mm)
Moderate Rainfall (15.6 - 64.4 mm)
Heavy Rainfall (64.5 - 115.5 mm)
Very Heavy Rainfall (115.6 - 204.4 mm)
Extremely Heavy Rainfall (>=204.5 mm)
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km
40°0.000′
35°0.000′
30°0.000′
25°0.000′
20°0.000′
15°0.000′
10°0.000′
5°0.000′
70°0.000′
75°0.000′
80°0.000′
85°0.000′
90°0.000′
95°0.000′

Impace and Actions

Impact Expected and Action Suggested due to very heavy / Extremely heavy rainfall:

- **Isolated very heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal on 17th October and on 20th October; Coastal Andhra Pradesh & Yanam, Coastal Karnataka, Kerala & Mahe and South Interior Karnataka on 17th October.
- **Isolated heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 18th-19th October and during 21st-23rd October; Kerala & Mahe and South Interior Karnataka during 18th-23rd October; Lakshadweep on 17th October and during 20th-23rd October; Coastal Karnataka during 20th-22nd October; North Interior Karnataka on 17th October; Coastal Andhra Pradesh & Yanam on 18th October; Rayalaseema during 17th-18th 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 kutcha 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 various parts of the country

Agromet advisories for likely impact of Heavy / Very Heavy Rainfall

- In **Tamil Nadu**, drain out excess rain water from rice nurseries and standing rice fields, as well as cotton, maize, groundnut and vegetable fields. Keep the harvested produce at safer places. Provide propping in banana, sugarcane and adequate support for crops like papaya and moringa to prevent from lodging.
- In **Keralam**, keep the harvested produce of rice in safe and dry places. Drain out excess rainwater from rice, banana, coconut, black pepper, ginger, turmeric and vegetable fields, with priority to low-lying and waterlogged areas.
- In **Karnataka**, maintain proper drainage in standing crop fields. Harvest mature green gram, black gram and soybean wherever conditions permit and shift the harvested produce to covered and safe places.
- In **Coastal Andhra Pradesh** and **Rayalseema**, ensure proper drainage to drain out excess rain water from rice, maize, finger millet, groundnut, red gram, sugarcane, vegetables and fruit orchards. Keep the harvested produce of maize in a safe and dry place. Provide strong support to fruit-bearing banana plants and propping in sugarcane.

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.

Advisories for likely impact of Heavy/ Very Heavy Rainfall or Livestock / Poultry / Fisheries

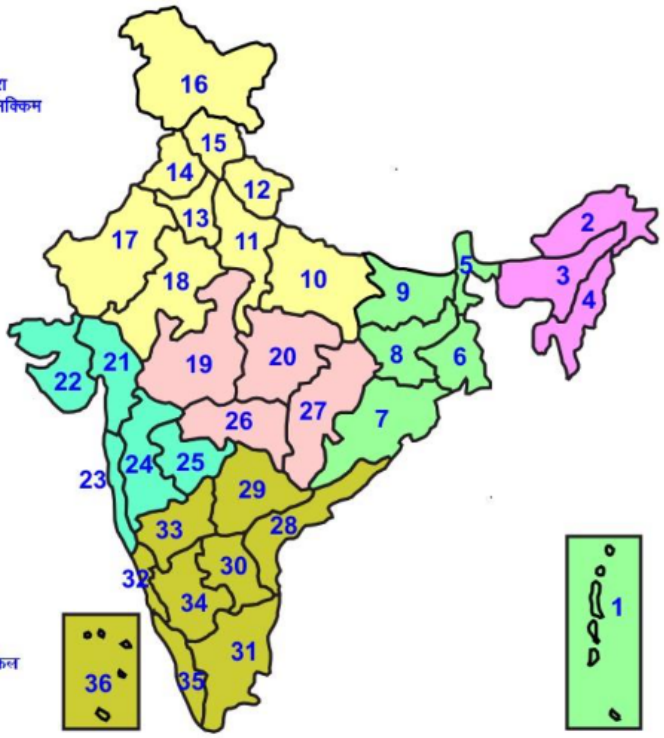
- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store the feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.

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



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

SPATIAL DISTRIBUTION (% of Stations reporting)

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

Subdivision Colour

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

Probabilistic Forecast

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

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

LEGENDS

WARNING

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

Probabilistic Forecast

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

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 ≥40° C for plains and ≥30° 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 ≥6.5° C

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature ≥45°C.
Severe Heat Wave: When actual maximum temperature ≥47°C

(c). Criteria for heat wave for coastal stations
When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature ≥37°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 °C.

Cold Wave

When minimum temperature of a station ≤10°C for plains and ≤0°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 ≤ -6.5 °C

(b) Based on actual Minimum Temperature (for Plains only)

Cold Wave : When Minimum Temperature is ≤ 4.0 °C
Severe Cold Wave: When Minimum Temperature is ≤ 2.0 °C

(c) For Coastal Stations
When Minimum Temperature departure is ≤-4.5 °C & actual Minimum Temperature is ≤ 15 °C

Cold Day

When minimum temperature of a station ≤10°C for plains and ≤0°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 ≤ -6.5 °C

Fog

Phenomenon of small droplets suspended in air and the horizontal visibility < 1km

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 ≤4°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 118-165 kmph (64 - 89 knots)
Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)
Super Cyclone Strom: Wind speed >220 kmph (>119 knots)