



National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Wednesday, September 25, 2024 Time of Issue: 1330 hours IST (MID-DAY)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features:

Weather Systems:

- ✓ Yesterday's **low pressure** area over Westcentral & adjoining Northwest Bay of Bengal off north Andhra Pradesh-south Odisha coasts moved west-northwestwards and has become less marked. However, the associated cyclonic circulation lies over south Chhattisgarh & neighbourhood and extends upto middle tropospheric level, tilting southwards with height.
- ✓ A trough runs from north Konkan to south Bangladesh across the above cyclonic circulation over south Chhattisgarh and extends upto middle tropospheric level tilting southwards with height.

Forecast & Warnings (upto 7 days):

West India

- ✓ Fairly widespread to widespread light/moderate rainfall very likely over Konkan & Goa during the week; Fairly widespread to widespread light to moderate rainfall over Madhya Maharashtra, Gujarat Region, Marathwada during next 4 days & Isolated to Scattered light to moderate rainfall during the next subsequent 3 days; Scattered to Fairly widespread light to moderate rainfall over Saurashtra & Kutch during the next 3 days & Isolated to Scattered light to moderate rainfall during the next subsequent 4 days.
- ✓ **Isolated extremely heavy rainfall** very likely over Konkan & Goa & Madhya Maharashtra on 25th & 26th; Gujarat Region on 26th September.
- ✓ **Isolated heavy to very heavy rainfall** very likely over Konkan & Goa, Gujarat Region & Madhya Maharashtra during 25th -27th; Marathwada on 25th; Saurashtra & Kutch on 26th & 27th September.
- ✓ **Isolated heavy rainfall** very likely over Konkan & Goa & Madhya Maharashtra during 25th -27th; Marathwada on 25th & 26th; Gujarat State during 25th -28th September.

Central India:

- ✓ Fairly widespread to widespread light/moderate rainfall very likely over Vidarbha, Chhattisgarh during next 2 days & Scattered to Fairly widespread light to moderate rainfall during next subsequent 5 days; Scattered to Fairly widespread light to moderate rainfall over Madhya Pradesh during next 4 days & Isolated to Scattered light to moderate rainfall during the next subsequent 3 days.
- ✓ **Isolated heavy to very heavy rainfall** very likely over East Madhya Pradesh on 25th September.
- ✓ **Isolated heavy rainfall** very likely over Vidarbha & Chhattisgarh on 25th; West Madhya Pradesh during 25th -27th; East Madhya Pradesh on 25th & 26th September.

East & Northeast India

- ✓ Fairly widespread to widespread light/moderate rainfall very likely over Northeast India during the next 7 days; Fairly widespread to widespread light/moderate rainfall very likely over West Bengal & Sikkim, Bihar during next 3 days & Scattered to Fairly widespread light to moderate rainfall during next subsequent 4 days; Fairly widespread to widespread light/moderate rainfall very likely over Jharkhand, Odisha during next 2 days & Isolated to Scattered light to moderate rainfall during the next subsequent 5 days; Scattered to Fairly widespread light to moderate rainfall over Andaman & Nicobar Islands during the week.
- ✓ **Isolated extremely heavy rainfall** very likely over Sub-Himalayan West Bengal & Sikkim on 25th & 26th September.
- ✓ **Isolated heavy to very heavy rainfall** very likely over Assam & Meghalaya on 25th & 26th; Nagaland, Manipur & Gangetic West Bengal on 25th; Bihar, Sub-Himalayan West Bengal & Sikkim during 25th -27th; Arunachal Pradesh on 26th September.
- ✓ **Isolated heavy rainfall** very likely over Arunachal Pradesh, Assam & Meghalaya during the week; Nagaland, Manipur, Mizoram & Tripura during 25th -27th September & 01st October; Sub-Himalayan West Bengal & Sikkim during 25th -27th; Jharkhand, Odisha & Gangetic West Bengal on 25th & 26th; Bihar during 25th -28th September.

Northwest India

- ✓ Scattered to Fairly widespread light to moderate rainfall over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Uttarakhand & East Uttar Pradesh during next 3 days & Isolated to Scattered light to moderate rainfall during the next subsequent 4 days; Isolated to Scattered light to moderate rainfall over the remaining region during the week.
- ✓ **Isolated heavy to very heavy rainfall** very likely East Uttar Pradesh on 27th September.
- ✓ **Isolated heavy rainfall** very likely over Uttarakhand during 25th -27th; West Uttar Pradesh on 27th; East Uttar Pradesh during 26th -28th September.

South Peninsular India

- ✓ Fairly widespread to widespread light/moderate rainfall very likely over Coastal Karnataka; Scattered to Fairly widespread light to moderate rainfall over Kerala & Mahe, Lakshadweep, South Interior Karnataka, Coastal Andhra Pradesh & Yanam; Isolated to Scattered light to moderate rainfall over North Interior Karnataka, Rayalaseema, Telangana, Tamil Nadu, Puducherry & Karaikal during the week.
- ✓ **Isolated heavy rainfall** very likely over Kerala & Mahe on 25th, 29th & 30th; Rayalaseema, Interior Karnataka, Coastal Andhra Pradesh & Yanam on 25th; Telangana & Coastal Karnataka on 25th & 26th September.



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Main Weather Observations:

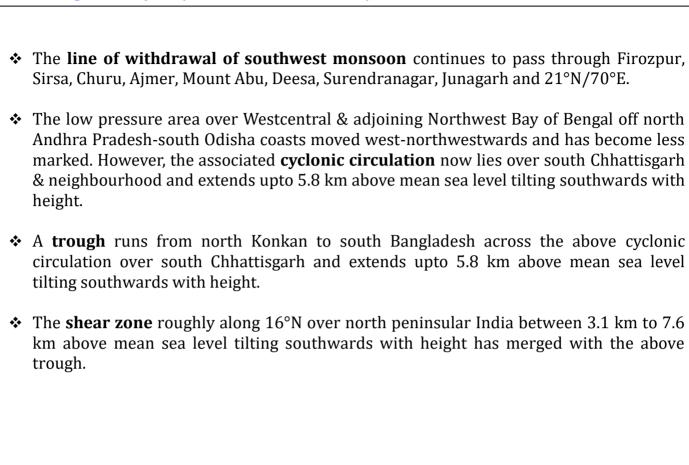
- Rainfall distribution (from 0830 hours IST of yesterday to 0830 hours IST of today): at most places over Vidarbha, Chhattisgarh, West Bengal & Sikkim, Odisha, Konkan & Goa, Madhya Maharashtra, Marathwada, Kerala & Mahe, Lakshadweep, Coastal Andhra Pradesh & Yanam, Coastal Karnataka; at many places over Bihar, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Rayalaseema, Telangana, Interior Karnataka; at a few places over Uttarakhand, Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim; at isolated places over Himachal Pradesh, Uttar Pradesh, East Rajasthan, Saurashtra & Kutch, Tamil Nadu, Puducherry & Karaikal.
- Heavy rainfall recorded (from 0830 hours IST of yesterday to 0830 hours IST of today): Heavy to very Heavy rainfall at isolated places over Konkan & Goa, Coastal Andhra Pradesh & Yanam, East Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Marathwada, Coastal Karnataka, Bihar; Heavy rainfall at isolated places over Rayalaseema, Gujarat Region, Chhattisgarh, West Madhya Pradesh, Gangetic West Bengal, Odisha, Madhya Maharashtra, Interior Karnataka & Telangana.
- Significant amount of rainfall (from 0830 hours IST of yesterday to 0830 hours IST of today): (in cm): Konkan & Goa: Pernem (dist North Goa) 19, Sawantwadi (dist Sindhudurg) 16, Palghar_agri (dist Palghar) 15, Malvan (dist Sindhudurg) 14, Devgad (dist Sindhudurg) 14, Panjim - Imd Obsy (dist North Goa) 14, Kudal (dist Sindhudurg) 13, Mulde_ Agri (dist Sindhudurg) 13, Mapusa (dist North Goa) 12; Sub-Himalayan West Bengal & Sikkim: Bijonbari (dist Darjeeling) 15, Darjeeling (dist Darjeeling) 14, Bagdogra Iaf (dist Darjeeling) 10; East Madhya Pradesh: Bijadandi (dist Mandla) 14, Keolari (dist Seoni) 10; Coastal Karnataka: Kundapur (dist Udupi) 13, Shirali Pto (dist Uttara Kannada) 11, Karkala (dist Udupi) 9, Kota (dist Udupi) 9; Coastal Andhra Pradesh & Yanam: Yanam (dist Yanam) 12, Podili (dist Prakasam) 11, Anakapalle(a) (dist Anakapalli) 9; Marathwada: Washi (dist Dharashiv) 12, Ahmedpur (dist Latur) 7; Bihar: Sangrampur (dist Monghyr) 12, Narpatganj (dist Araria) 7, Banka (dist Banka) 7; Telangana: Devaruppal (dist Jangaon) 11, Kusumanchi (dist Khammam) 10, Nawabpetmbn (dist Mahabubnagar) 10, Nawabpet (dist Vikarabad) 10; Gangetic West Bengal; Digha (dist East Midnapore) 10, Contai (dist East Midnapore) 7; Gujarat Region: Silvassa (dist Dadara & Dadara Valsad_ Kvk Aws (dist Valsad) 8; Odisha: Balasore (Balasore) 10, Talcher (Angul) 9, Tikarpara (Angul) 9, Banki (Cuttack) 9, Rajnagar (Kendrapara) 8, Jaipur (Balasore) 8; Chhattisgarh: Baramkela (dist Sarangarh Bilaigarh) 9, Sariya (dist Sarangarh Bilaigarh) 8; **Rayalaseema:** Proddutur (dist Ysr District) 8, Duvvur (dist Ysr District) 8, Kamalapuram (dist Ysr District) 7; South Interior Karnataka: Kottigehara (dist Chikkamagaluru) 8, Kalasa (dist Chikkamagaluru) 7; North Interior Karnataka: Shahpur (dist Yadgir) 7; West Madhya Pradesh: Dahi (dist Dhar) 7, Bagh (dist Dhar) 7; Madhya Maharashtra: Akole (dist Ahmednagar) 7;
- ❖ Minimum Temperature Departures (as on 25-09-2024): Minimum temperatures are markedly above normal (5.1°C or more) at many places over Himachal Pradesh; at a few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab; at isolated places over West Rajasthan, Haryana-Chandigarh; appreciably above normal (3.1°C to 5.0°C) at most places over Uttarakhand; at isolated places over East Rajasthan, Uttar Pradesh, Madhya Pradesh, Gujarat Region; above normal (1.6°C to 3.0°C) at many places over Madhya Maharashtra, Saurashtra & Kutch; at isolated places over Bihar, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Vidarbha, Marathwada, Konkan & Goa, North Interior Karnataka, Odisha, Tamil Nadu, Puducherry & Karaikal and near normal over rest parts of the country. Today, the lowest minimum temperature of 21.0°C is reported at Mandla (East Madhya Pradesh) over the plains of the country. (Fig.4)
- ❖ Maximum Temperature Departures (as on 24-09-2024): Maximum temperatures were markedly above normal (5.1°C or more) at most place over Himachal Pradesh; at a few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at isolated places over Punjab, Uttar Pradesh, Bihar; appreciably above normal (3.1°C to 5.0°C) at most places over Uttarakhand, at isolated places over Haryana-Chandigarh, West Rajasthan, Sub-Himalayan West Bengal & Sikkim; above normal (1.6°C to 3.0°C) at most places over East Rajasthan, Gujarat state, Madhya Pradesh, Chhattisgarh, Odisha, Jharkhand, Gangetic West Bengal, Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Andaman & Nicobar Islands; at isolated places over Madhya Maharashtra, Vidarbha, Coastal Andhra Pradesh & Yanam, South Interior Karnataka and near normal over rest parts of the country. Yesterday, the highest Maximum Temperature of 40.6°C was reported at Madurai (Tamil Nadu) over the country. (Fig. 2)





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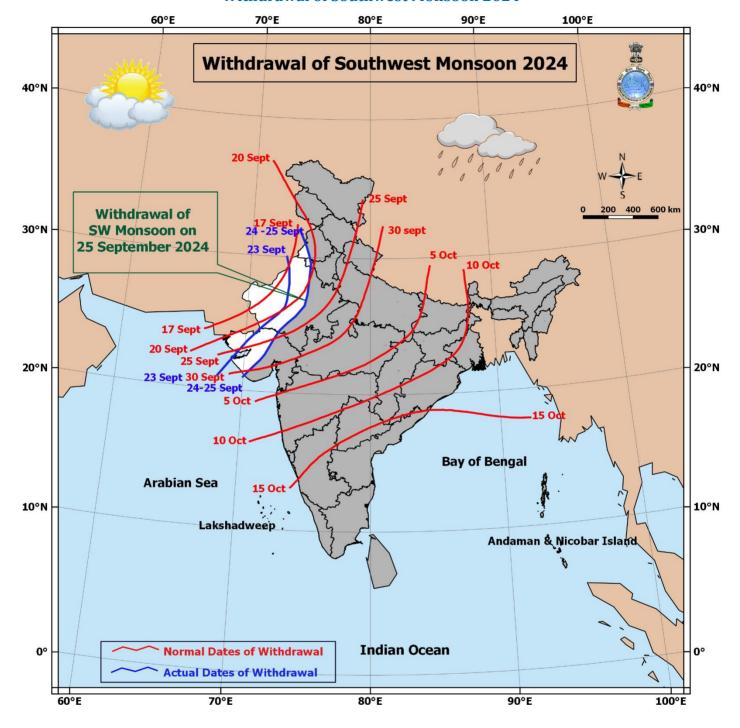
Meteorological Analysis (Based on 0830 hours IST)





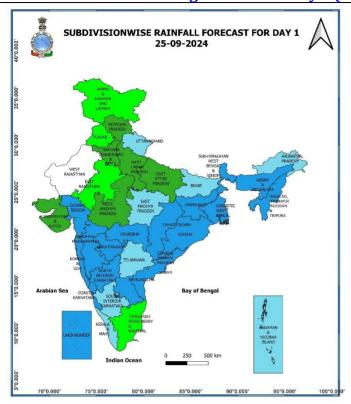


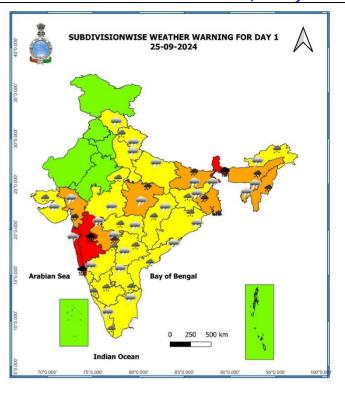
Withdrawal of Southwest Monsoon 2024





Weather Forecast & Warnings for next 7 days (Upto 0830 hours IST of 01st October, 2024)



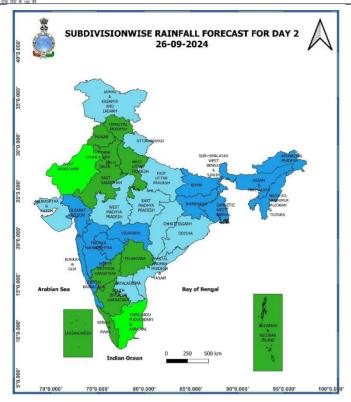


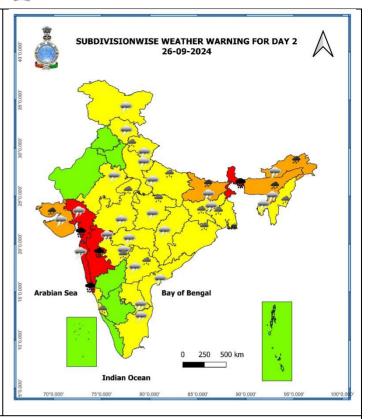
25 September (Day 1):

- ❖ Heavy to very heavy rainfall with extremely heavy falls (> 20 cm) very likely at isolated places over Konkan & Goa, Madhya Maharashtra, Sub-Himalayan West Bengal & Sikkim; Heavy to very Heavy rainfall (≥12 cm) very likely at isolated places over East Madhya Pradesh, Gangetic West Bengal, Bihar, Assam & Meghalaya, Nagaland, Manipur, Marathwada, Gujarat Region; Heavy rainfall (≥7 cm) very likely at isolated places over Uttarakhand, West Uttar Pradesh, West Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Odisha, Arunachal Pradesh, Saurashtra & Kutch, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Karnataka.
- Thunderstorm accompanied gusty winds (speed reaching 40-50 kmph) very likely at isolated places over Uttarakhand, Telangana; with lightning very likely at isolated places over Himachal Pradesh, Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Bihar, Jharkhand, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Madhya Maharashtra, Marathwada, Saurashtra & Kutch, Gujarat state, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema, North Interior Karnataka.
- ❖ Squally weather with wind speed reaching 35 kmph to 45 kmph gusting to 55 kmph very likely to prevail along and off Maharashtra coasts, Karnataka, Konkan & goa, Kerala, coasts, over gulf of manner, Comorin and Lakshadweep area, off Sri Lanka coast, many parts of south and few parts of west central Bay of Bengal and adjoining north west Bay of Bengal, along and off north Andhra Pradesh and adjoining Odisha coasts. Squally winds with speed reaching 45 kmph to 55 kmph gusting to 65 kmph likely to prevail over western parts of southwest Arabian sea along and off Somalia coast. Fishermen are advised not to venture into these areas.



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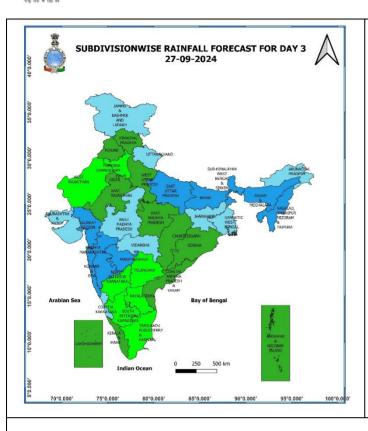


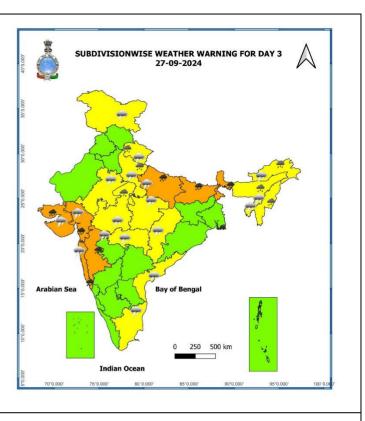
26 September (Day 2):

- ★ Heavy to very heavy rainfall with extremely heavy falls (> 20 cm) very likely at isolated places over Konkan & Goa, Madhya Maharashtra, Sub-Himalayan West Bengal & Sikkim, Gujarat Region; Heavy to very Heavy rainfall (≥12 cm) very likely at isolated places over Bihar, Assam & Meghalaya, Arunachal Pradesh, Saurashtra & Kutch; Heavy rainfall (≥7 cm) very likely at isolated places over Uttarakhand, Uttar Pradesh Madhya Pradesh, Gangetic West Bengal, Jharkhand, Odisha, Nagaland, Manipur, Mizoram & Tripura, Marathwada, Telangana, Coastal Karnataka.
- Thunderstorm accompanied gusty winds (speed reaching 40-50 kmph) very likely at isolated places over Telangana; with lightning very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Madhya Maharashtra, Marathwada, Gujarat state, Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Rayalaseema.
- ❖ Squally weather with wind speed reaching 35 kmph to 45 kmph gusting to 55 kmph very likely to prevail over north Maharashtra, south Gujarat coasts, gulf of manner, along and off Sri Lanka coast, many parts of south and Westcentral Bay of Bengal, along and off north Andhra Pradesh and adjoining Odisha coasts. Squally winds with speed reaching 45 kmph to 55 kmph gusting to 65 kmph likely to prevail over western parts of southwest Arabian sea adjoining few parts of Westcentral Arabian sea along and off Somalia coast. Fishermen are advised not to venture into these areas.



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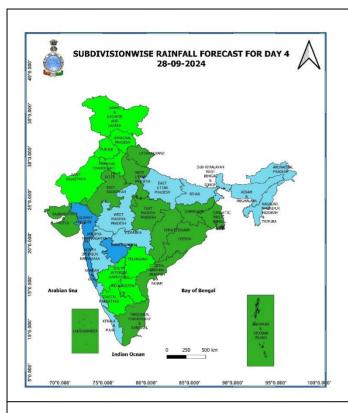


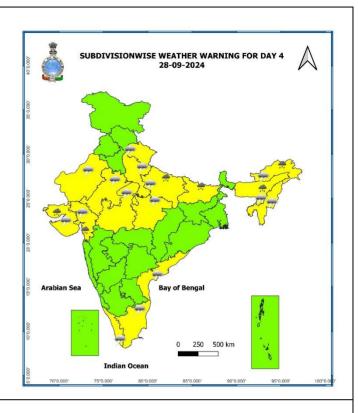
27 September (Day 3):

- ❖ Heavy to very Heavy rainfall (≥12 cm) very likely at isolated places over East Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Bihar, Konkan & Goa, Madhya Maharashtra, Gujarat state; Heavy rainfall (≥7 cm) very likely at isolated places over Uttarakhand, West Uttar Pradesh, West Madhya Pradesh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura.
- Thunderstorm accompanied with lightning very likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Uttarakhand, Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Madhya Maharashtra, Gujarat state, Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam.
- Squally weather with wind speed reaching 35 kmph to 45 kmph gusting to 55 kmph very likely to prevail over south Gujarat and gulf of manner, off Sri Lanka coast, few parts of southwest Bay of Bengal and many parts of west central Bay of Bengal. Squally winds with speed reaching 45 kmph to 55 kmph gusting to 65 kmph likely to prevail over western parts of southwest Arabian sea adjoining few parts of Westcentral Arabian sea along and off Somalia coast. Fishermen are advised not to venture into these areas.



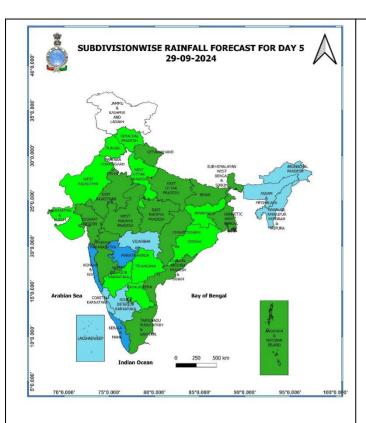


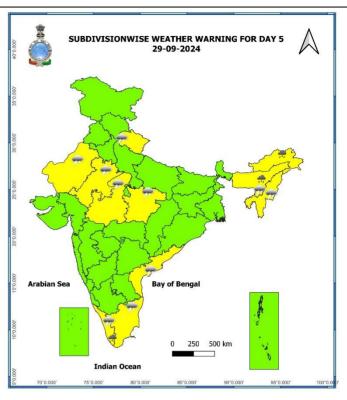




28 September (Day 4):

- ❖ Heavy rainfall (≥7 cm) very likely at isolated places over Uttar Pradesh, Bihar, Arunachal Pradesh, Assam & Meghalaya, Gujarat state.
- Thunderstorm accompanied with lightning very likely at isolated places over Uttarakhand, Uttar Pradesh, Rajasthan, Madhya Pradesh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Coastal Andhra Pradesh & Yanam.
- ❖ Squally winds with speed reaching 45 kmph to 55 kmph gusting to 65 kmph likely to prevail over gulf of Manner. Squally winds with speed reaching 45 kmph to 55 kmph gusting to 65 kmph likely to prevail over western parts of southwest Arabian sea adjoining few parts of Westcentral Arabian sea along and off Somalia coast. Fishermen are advised not to venture into these areas.



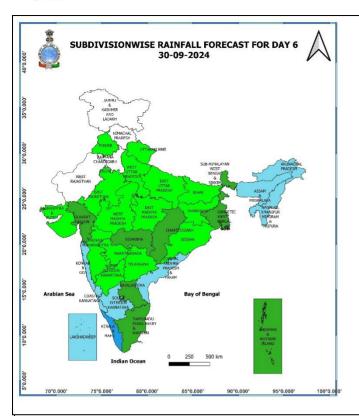


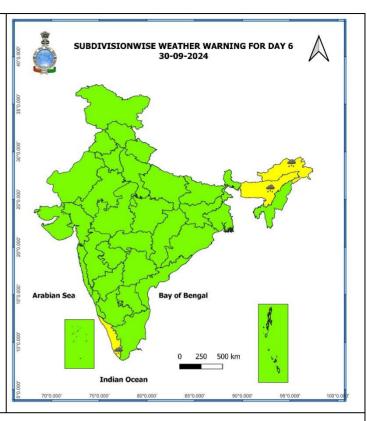
29 September (Day 5):

- ❖ Heavy rainfall (≥7 cm) likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Kerala & Mahe.
- ❖ Thunderstorm accompanied with lightning very likely at isolated places over Uttarakhand, Rajasthan, Madhya Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Coastal Andhra Pradesh & Yanam.
- ❖ Squally winds with speed reaching 45 kmph to 55 kmph gusting to 65 kmph likely to prevail over western parts of southwest Arabian sea adjoining few parts of Westcentral Arabian sea along and off Somalia coast. Fishermen are advised not to venture into these areas.



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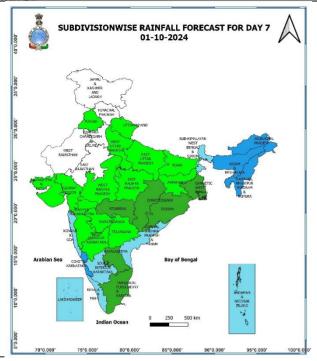
30 September (Day 6):

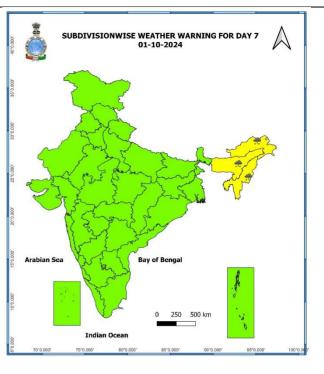
♣ Heavy rainfall (≥7 cm) likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Kerala & Mahe





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01 October (Day 7):

♣ Heavy rainfall (≥7 cm) likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura.

Weather Outlook for subsequent 3 days (During 02nd October- 04th October, 2024)

- ❖ Dry weather likely to prevail over West Rajasthan, north Gujarat, Punjab, Haryana-Chandigarh-Delhi, and Isolated rainfall activity likely over Himachal Pradesh, Uttarakhand, East Rajasthan and Uttar Pradesh.
- ❖ Isolated to Scattered rainfall likely over Central, Eastern, North Eastern and Peninsular India.
- Action may be taken based on ORANGE AND RED COLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.





Impact due to

- **Isolated extremely heavy rainfall** very likely over Sub-Himalayan West Bengal & Sikkim, Konkan & Goa, Madhya Maharashtra on 25th & 26th; Gujarat Region on 26th September.
- Isolated **heavy to very heavy rainfall** very likely over Nagaland, Manipur, Gangetic West Bengal, Marathwada, East Madhya Pradesh on 25th; Assam & Meghalaya on 25th & 26th; Bihar, Sub-Himalayan West Bengal & Sikkim, Konkan & Goa, Gujarat Region & Madhya Maharashtra during 25th -27th; Saurashtra & Kutch on 26th & 27th; Arunachal Pradesh on 26th; East Uttar Pradesh on 27th September.
- Moderate flash flood risk likely over few watersheds & neighbourhoods of South Gujarat Region, Sub-Himalayan West Bengal & Sikkim, Konkan & Goa, Madhya Maharashtra on 25th & 26th September. (Annexure I).

Impact Expected

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

Action Suggested

- ✓ Judicious regulation of surface transports including railways and roadways.
- ✓ Check for traffic congestion on your route before leaving for your destination.
- ✓ Follow any traffic advisories that are issued in this regard.
- ✓ Avoid going to areas that face the water logging problems often.
- ✓ Avoid staying in vulnerable structure

Agromet advisories for Heavy Rainfall likely over various parts of the country

- ✓ In Madhya Maharashtra, Marathwada and Vidarbha regions of Maharashtra, postpone harvesting of matured soybean, groundnut, maize and pearl millet. Immediately move the harvested produce to safer places and cover them with plastic sheets or tarpaulin.
- ✓ In Konkan region of Maharashtra, make arrangements to drain out excess water from rice, finger millet, turmeric, groundnut, vegetables and orchards.
- ✓ Make provision for draining out excess water from standing crop fields and fruit orchards to avoid water stagnation in Kerala, Karnataka, Andhra Pradesh, Telangana, Madhya Pradesh, Chhattisgarh, Gujarat, Maharashtra, Goa, West Bengal, Odisha, and North Eastern States.
- ✓ Keep the harvested produce at safer places.
- ✓ Provide mechanical support to horticultural crops & staking to vegetables.





ANNEXURE I

Flash Flood Guidance:

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 26-09-2024 :

Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

SHWB & Sikkim - North Sikkim, South Sikkim, West Sikkim, Darjeeling, Jalpaiguri, Kochbihar and Uttar_Dinajpur districts.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 26-09-2024 :

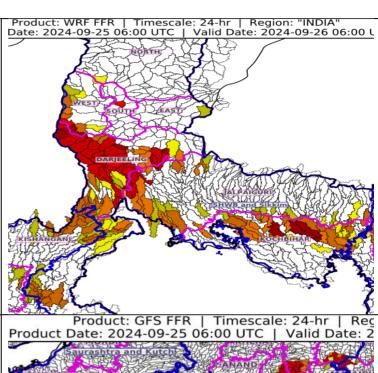
Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

South Gujarat Region - Dadar & Nagar Haveli, Daman, Bharuch, Dahod, Narmada, Navsari, Panchmahal, Surat, Tapi, Vadodara and Valsad districts.

Konkan & Goa - Mumbai City, Palghar, Raigarh, Ratnagiri, Sindhudurg, Suburban Mumbai and Thane districts.

Madhya Maharashtra - Kolhapur, Nandurbar, Pune. Sangli and Satara districts.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



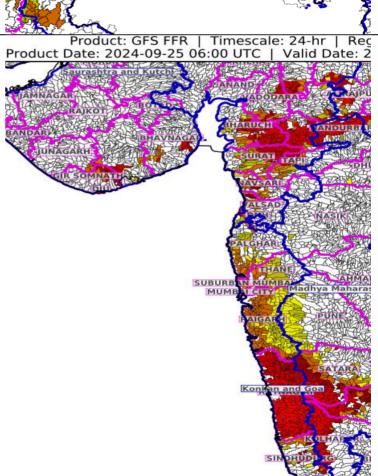
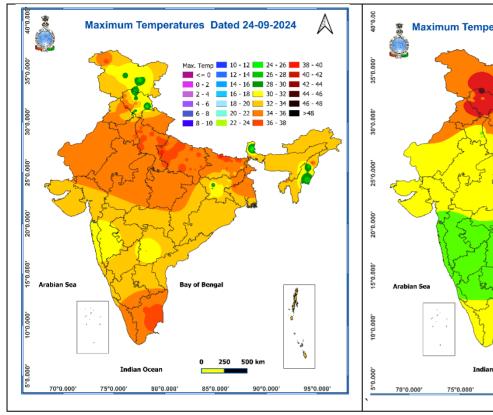




Fig. 1: Maximum Temperatures

Fig. 2: Departure of Maximum Temperatures



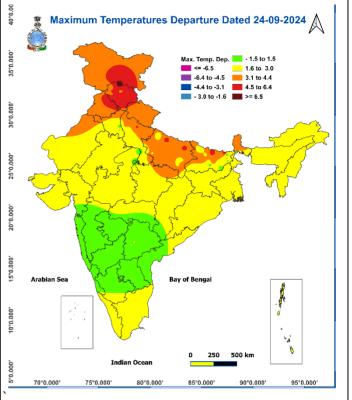
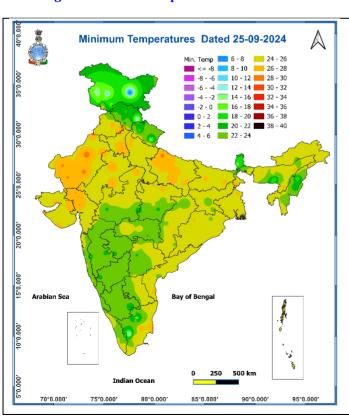


Fig. 3: Minimum Temperatures

Fig. 4: Departure of Minimum Temperatures



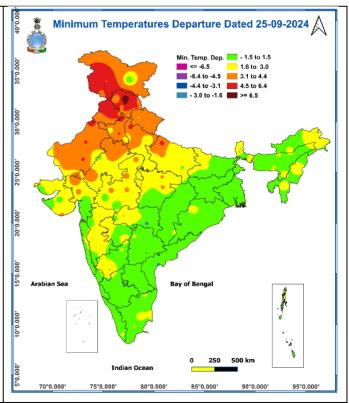
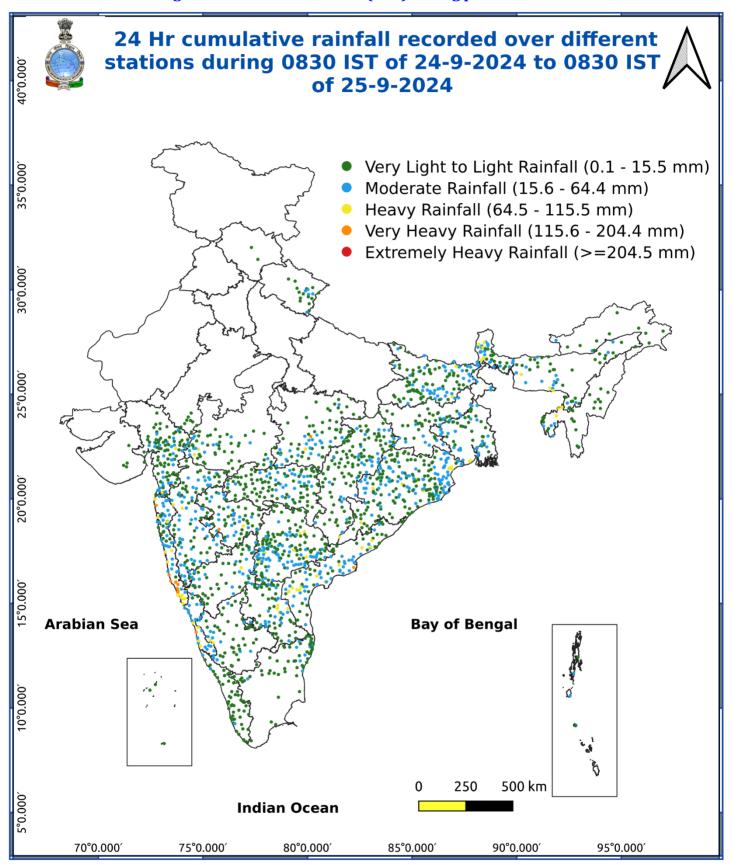






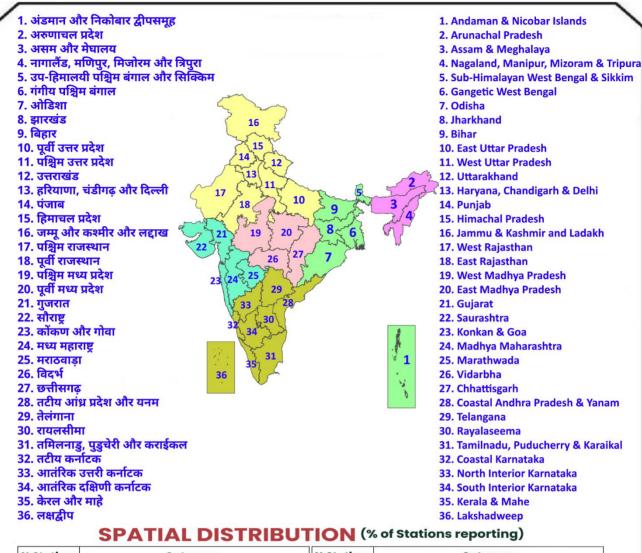
Fig. 5: Accumulated Rainfall (mm) during past 24 hours





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

LEGENDS



% Stations	% 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 Wa	Cold Wave		COLOUR CODED WARNING	
_ ' ' ' ' '			- Cold Day		No Warning (No Action)		
Rain		ي Dust Storm			Watch (Be Aware)		
••• Very Heavy Rain		+ Heat Wave	Ground	Ground Frost		Alert (Be Prepared To Take Action)	
Extremely Heavy Rain		+ Warm Night			Warning (Take Action)		
Thunder & Lightning		+ Hot Day				Probabilistic Forecast	
		Tr Hot buy			Terms	Probability of Occurrence (%)	
		0			Unlikely	< 25	
Hailstorm		🚹 Hot & Humid			Likely	25 - 50	
					Very Likely	50 - 75	
😜 Dust Raising Winds		Strong Surface Winds		Most Likely	> 75		





	DEFINITION/CRITERIA					
	Heavy: 64.5 to 115.5 mm/cm *					
Rain/ Snow *	Very Heavy: 115.6 to 204.4 mm/cm*					
	Extremely Heavy: > 204.4 mm/cm *					
	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	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					
	When maximum temperature remains 40°C					
Varm Night	Warm Night: When minimum temperature departure 4.5 °C to 6.4 °C.					
	Severe Warm Night: When minimum temperature departure >6.4 °C.					
	When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions. (a). Based on departure					
Cold Wave	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					
	When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions Based on departure					
Cold Day	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					
	Dhannan of and the plate are and disciplined the basic and the basic and the basic and the second of					
	Phenomenon of small droplets suspended in air and the horizontal visibility < 1km Moderate Fog: When the visibility between 500-200 metres					
Fog	Dense Fog: when the visibility between 50-200 metres					
	Very Dense Fog: when the visibility < 50 metres					
hunderstorm	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)					
	A strong wind that rises suddenly, lasts for atleast 1 minute					
	A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph					
Squall	Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph					
Squall	Moderate: Wind speed 52-61 kmph					
Squall	Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph					
	Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre					
Squall Sea State	Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre					
	Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre					
	Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)					
Sea State	Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)					
	Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)					