



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 20th May, 2025

Time of Issue: 1430 hours IST

Subject: i) Heavy to very heavy Rainfall over west coast (Karnataka, Konkan & Goa and Kerala) and adjoining Peninsular India during 20th-26th May with extremely heavy falls (>20 cm) over North Kerala on 20th and over coastal and Ghat areas of Karnataka on 20th & 21st May.
ii) The conditions are likely to become favourable for Monsoon onset over Kerala during next 4-5 days.
iii) Heavy to very heavy rainfall accompanied with thunderstorms & lightning likely over Northeast India and over Sub-Himalayan West Bengal & Sikkim during next 3 days.
iv) Heat wave to severe wave conditions likely over Rajasthan during 20th-22nd May 2025.

Advance of Southwest Monsoon: (Annexure I):

- ❖ The Northern Limit of Monsoon continues to pass through 5°N/60°E, 6°N/65°E, 7°N/70°E, 7°N/75°E, 8°N/80°E, 10.5°N/85°E, 15°N/90°E and 21°N/95°E.
- ❖ **The conditions are likely to become favourable for Monsoon onset over Kerala during next 4-5 days.**
- ❖ The conditions are also likely to become favourable for further advance of southwest Monsoon over some more parts of South Arabian Sea, remaining parts of Maldives and Comorin area; some parts of Lakshadweep area, Kerala, Tamil Nadu; some more parts South & Central Bay of Bengal, Northeast Bay of Bengal and some parts of Northeastern states during the same period.

Realised weather during past 24 hours till 0830 hours IST of today, the 20th May 2025 (Annexure II):

- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed 30-80 kmph prevailed at isolated places over East Rajasthan, West Madhya Pradesh, Marathwada, Tamil Nadu, Jharkhand, East Madhya Pradesh, Odisha, Arunachal Pradesh, Chhattisgarh, Bihar, Telangana, Gangetic West Bengal, Himachal Pradesh, Uttarakhand, East Uttar Pradesh, Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya and Kerala.
- ❖ **Heavy to very heavy rainfall with extremely heavy falls** has been recorded at isolated places over Meghalaya, Kerala; **Heavy to very heavy rainfall** at isolated places over Tamilnadu, Coastal Karnataka; **Heavy rainfall** at isolated places over Tripura, Sub-Himalayan West Bengal, Goa, Interior Karnataka and Coastal Andhra Pradesh.
- ❖ **Hailstorm** observed at isolated places over Jammu Division and Uttarakhand.
- ❖ **Heat wave conditions** prevailed in isolated pockets of Rajasthan.
- ❖ **Warm night conditions** prevailed in isolated pockets of Punjab, Haryana, East Uttar Pradesh and Rajasthan.

For more details of realised weather, kindly refer **Annexure II**,

Detailed observations of Maximum Temperature during past 24 hours till 0830 hours IST of today are appended in **Annexure III**.

i. Weather Systems, Forecast and Warnings (refer to Annexure IV & V):

- ❖ An upper air cyclonic circulation is likely to form over eastcentral Arabian Sea off Karnataka coast around 21st May. Under its influence, a low-pressure area is likely to form over the same region around 22nd May. Thereafter, it is likely to move northwards and intensify further.
- ❖ An upper air cyclonic circulation lies over central Pakistan & neighbourhood and an east-west trough runs from this cyclonic circulation to north Bangladesh in lower tropospheric levels.

- ❖ An upper air cyclonic circulation lies over central Assam and another over North Bangladesh & neighbourhood in lower tropospheric levels.
- ❖ An upper air cyclonic circulation lies over westcentral Bay of Bengal adjoining south Andhra Pradesh & north Tamil Nadu in lower tropospheric levels.
- ❖ An upper air cyclonic circulation lies over South Interior Karnataka & neighbourhood in lower & middle tropospheric levels tilting southwestwards with height.

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

South peninsular India:

- ✓ **Fairly widespread to widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph with heavy rainfall** very likely over Kerala & Mahe, Karnataka during next 7 days with **isolated heavy to very heavy rainfall** likely over Coastal Karnataka during 22nd, 25th & 26th; North Interior Karnataka on 20th & 21st; South Interior Karnataka on 25th & 26th May and **Extremely heavy rainfall** at isolated places over north Kerala on 20th and Coastal & Ghat areas of Karnataka on 20th & 21st May.
- ✓ **Scattered to fairly widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph** likely over Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Rayalaseema and Telangana during next 7 days with **isolated heavy to very heavy rainfall** likely over Ghat areas of Tamil Nadu, Coastal Andhra Pradesh & Yanam, Rayalaseema on 20th May with **heavy rainfall** over Coastal Andhra Pradesh & Yanam on 21st & 22nd and Rayalaseema on 21st May.

West India:

- ✓ **Fairly widespread to widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Konkan & Goa, Madhya Maharashtra, Marathawada during 20th -24th and **isolated to scattered** rainfall over Gujarat Region during 20th -24th; Saurashtra & Kutch during 22nd-24th May with **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Konkan & Goa and Madhya Maharashtra during 20th-22nd and over Marathawada on 20th & 21st May.
- ✓ **Isolated heavy to very heavy rainfall** very likely over south Madhya Maharashtra during 21st-23rd; Konkan & Goa during 20th-24th May and isolated heavy rainfall over Konkan & Goa on 25th & 26th; south Madhya Maharashtra during 20th -24th; Marathawada on 21st & 22nd; Saurashtra & Kutch on 23rd & 24th; Gujarat Region during 22th-24th May.

Northeast India:

- ✓ **Fairly widespread to widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Northeast India during next 7 days with **Isolated heavy rainfall** over Arunachal Pradesh on 20th & during 22nd -26th; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 20th -26th and isolated **very heavy rainfall** also very likely over Assam & Meghalaya on 20th & 21st May.

East & Central India:

- ✓ **Scattered to fairly widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over West Bengal & Sikkim during 20th-23rd; **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha & Bihar during 20th-24th May with **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over West Madhya Pradesh on 22nd; East Madhya Pradesh on 22nd & 23rd; Chhattisgarh during 21st-23rd; Sub-Himalayan West Bengal & Sikkim, Bihar on 20th & 21st; Jharkhand during 20th-22nd May.
- ✓ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 20th-22nd; Bihar during 20th-24th; Jharkhand on 20th & 21st; Andaman & Nicobar Islands during 24th-26th with **very heavy rainfall** over Sub-Himalayan West Bengal & Sikkim on 20th 2025.

Northwest India:

- ✓ **Scattered to fairly widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Himachal Pradesh on 23rd & 24th and Uttarakhand during 21st -26th; isolated to scattered light to moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching 30-50 kmph** likely over Punjab & Haryana, Chandigarh, Uttar Pradesh and Rajasthan during 20th -26th May with **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Uttarakhand on 20th and **Isolated hailstorm** over Uttarakhand & East Uttar Pradesh on 20th May.
- ✓ **Isolated heavy rainfall** also likely over Uttarakhand on 23th & 24th May.
- ✓ **Duststorm (40-50 kmph)** also very likely over West Rajasthan on 21st, 22nd & during 24th - 26th and West Uttar Pradesh on 20th & 21st May.

Maximum Temperature Forecast:

- ❖ No significant change in maximum temperatures likely over Northwest India during next 4 days and fall by 2-3°C over thereafter for subsequent 3 days.
- ❖ No significant change in maximum temperatures likely over Central India during next 2 days and fall by 2-4°C over thereafter for subsequent 5 days.
- ❖ Gradual fall in maximum temperatures by 2-4°C likely over West India during next 5 days and no significant change thereafter for subsequent 2 days.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

Heat wave, Hot & Humid weather, Warm Night warnings:

- ❖ **Heat wave conditions** very likely in isolated pockets of West Rajasthan on 20th with **Heat wave to severe heat wave conditions** in some parts during 21st-23rd May.
- ❖ **Heat wave conditions** very likely in isolated pockets of East Rajasthan on 20th & 21st; south Haryana during 20th-22nd May.
- ❖ **Hot & humid weather** is likely to prevail over Odisha on 20th & 21st May.
- ❖ **Warm night conditions** very likely in isolated pockets of Punjab & south Haryana during 20th-22nd; West Rajasthan during 20th-23rd and East Rajasthan on 20th & 21st May.

FISHERMEN WARNINGS (Annexure VI)

DAY 1 (20TH MAY TO 21ST MAY): Squally wind with speed 45 kmph to 50 kmph gusting to 55 kmph likely to prevail along and off Somalia coast, over Gulf of Mannar and adjoining Comorin area, along and off South Sri Lanka coast; Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph prevailing along and off south Konkan, Goa, Kerala, Karnataka coasts, over Lakshadweep area, central parts of south Bay of Bengal, along and off Andhra Pradesh, north Tamil Nadu coasts. Fisherman are advised not to venture into these areas.

DAY 2 (21ST MAY TO 22ND MAY): Squally wind with speed 45 kmph to 50 kmph gusting to 55 kmph likely to prevail along and off Somalia coast and adjoining parts of southwest Arabian Sea, over Gulf of Mannar and adjoining Comorin area, along and off South Sri Lanka coast; Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph prevailing along and off Konkan, Goa, Kerala, Karnataka coasts, over Lakshadweep area. Fisherman are advised not to venture into these areas.

DAY 3 (22ND MAY TO 23RD MAY): Squally wind with speed 45 kmph to 50 kmph gusting to 55 kmph likely to prevail along and off Somalia coast and adjoining parts of southwest Arabian Sea, over Gulf of Mannar and adjoining Comorin area, along and off South Sri Lanka coast; Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph prevailing along and off Goa, Konkan coasts and adjoining south Gujarat coast, along and off Kerala, Karnataka coasts, over Lakshadweep area. Fisherman are advised not to venture into these areas.

DAY 4 (23RD MAY TO 24TH MAY): Squally wind with speed 45 kmph to 50 kmph gusting to 55 kmph likely to prevail along and off Somalia coast and adjoining parts of southwest Arabian Sea, over Gulf of Mannar and adjoining Comorin area; Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph prevailing along and off south Gujarat, Konkan, Goa coasts and adjoining east central Arabian Sea, along and off Kerala, Karnataka coasts, over Lakshadweep area. Fisherman are advised not to venture into these areas.

DAY 5 (24TH MAY TO 25TH MAY): Squally wind with speed 45 kmph to 50 kmph gusting to 55 kmph likely to prevail along and off Somalia coast and adjoining parts of southwest Arabian Sea; Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph prevailing along and off south Gujarat coast and adjoining northeast Arabian Sea, along and off Konkan, Goa coasts and adjoining some parts of east central Arabian Sea, along and off Kerala, Karnataka coasts, over Lakshadweep area, over Gulf of Mannar and adjoining Comorin area. Fisherman are advised not to venture into these areas.

Significant weather reported during past 24 hours till 0830 hours IST of today:

- ❖ **Light/moderate Rainfall with thunderstorm & lightning** observed **at most places** over Assam & Meghalaya, Kerala & Mahe, Lakshadweep, Coastal Karnataka; **at many places** over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Jharkhand, Coastal Andhra Pradesh & Yanam, Interior Karnataka; **at a few places** over Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim, Odisha, Bihar, West Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Tamilnadu Puducherry & Karaikal, Rayalaseema; **at isolated places** over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, East Uttar Pradesh, Rajasthan, East Madhya Pradesh, Vidarbha, Chhattisgarh, Marathawada, Gujarat State, Telangana.

Rainfall recorded (in cm) reported during past 24 hours till 0830 hours IST of today:

- ❖ **Assam & Meghalaya:** Williamnagar_ Aws (dist East Garo Hills) 28, Williamnagar (dist East Garo Hills) 23, Mawsynram (dist East Khasi Hills) 19, Cherrapunji(rkm) (dist East Khasi Hills) 14, Hatsingimari Arg (dist South Salmara) 14, Cherrapunji (dist East Khasi Hills) 14, Shella (dist East Khasi Hills) 13, Mawkyrwat (dist South West Khasi Hills) 12, Jowai (dist West Jaintia Hills) 12, Khliehriat (dist East Jaintia Hills) 11, Guwahati_aws (dist Kamrup Metropolitan) 11, Iasst Kamrup Arg (dist Kamrup Metropolitan) 10, Guwahati Ap (dist Kamrup Metropolitan) 10, Mawphlang (dist East Khasi Hills) 9, Shillong_ Aws (dist East Khasi Hills) 9, Nongstein (dist West Khasi Hills) 9, Shillong C.s.o. (dist East Khasi Hills) 9, Kalakshetra Arg (dist Kamrup Metropolitan) 8, Ampati (dist South West Garo Hills) 7;
- ❖ **Kerala & Mahe:** Kunnankulam (dist Thrissur) 22; Ams Kannur (dist Cannur) 18; Kannur Airport AWS (dist Cannur) 17; Tellichery (dist Cannur), Irinjalakuda (dist Thrissur), Enamakkal (dist Thrissur) 16 Each; Munakkal AWS (dist Thrissur) 15; Ponnani (dist Malappuram), Kannur (dist Cannur), Peringalkuthu AWS (dist Thrissur) 12 Each; Quilandi (dist Kozhikode), Kodungallur (dist Thrissur), Urumi AWS (dist Kozhikode) 11 Each; Peermade To (dist Idukki), Vadakara (dist Kozhikode), Thritla (dist Palakkad), Vilangankunnu ARG (dist Thrissur), Choondy AWS (dist Ernakulam), Padannakkad AWS (dist Kasargod), Muliya AWS (dist Kasargod), Kunnamangalam AWS (dist Kozhikode), Thennala AWS (dist Malappuram) 10 Each; Ambalavayal (dist Wynad), Kudulu (dist Kasargod), Kannur Icar AWS (dist Cannur), Ayyankunnu AWS (dist Cannur), Kozhikode (dist Kozhikode) 9 Each; Konni (dist Pathanamthitta), Peringome AWS (dist Cannur) 8 Each; Aryankavu (dist Kollam), Chavara AWS (dist Kollam), Vadakara AWS (dist Kozhikode), Athirappalli AWS (dist Thrissur) 7 Each; Mavelikara (dist Alapuzha), Hosdurg (dist Kasargod), Kochi C.i.a.l. (dist Ernakulam), Punalur (dist Kollam), Karipur Ap. (dist Malappuram), Thenmala ARG (dist Kollam), Idamalayar Dam AWS (dist Ernakulam), Palode AWS (dist Thiruvananthapuram), Lower Sholayar AWS (dist Thrissur) 6 Each;
- ❖ **Tamil Nadu, Puducherry & Karaikal:** Hosur AWS (dist Krishnagiri) 12, Hosur (dist Krishnagiri) 7; Denkanikottai (dist Krishnagiri), Arakonam (dist Ranipet), Dharmapuri PTO (dist Dharmapuri), Danishpet (dist Salem) 6 Each; Chinnakalar (dist Coimbatore), Melalathur (dist Vellore), Nedungal (dist Krishnagiri), Taluk Office Pandalur (dist Nilgiris) 5 Each;
- ❖ **Coastal Karnataka:** Kalasa (dist Chikkamagaluru) 10, Kolar Pwd (dist Kolar) 8, T G Halli Hms (dist Bengaluru Urban) 7, Kunigal (dist Tumakuru) 5, Bhagamandala (dist Kodagu) 5,
- ❖ **North Interior Karnataka:** Guttal (dist Haveri) 11, Yelburga (dist Koppal) 5, Kushtagi (dist Koppal) 4;
- ❖ **South Interior Karnataka:** Kalasa (dist Chikkamagaluru) 10, Kolar Pwd (dist Kolar) 8, T G Halli Hms (dist Bengaluru Urban) 7, Kunigal (dist Tumakuru) 5, Bhagamandala (dist Kodagu) 5,
- ❖ **Coastal Andhra Pradesh & Yanam:** Repalle (dist Bapatla) 9; Avanigada (dist Krishna), Masulipatnam Cdr (dist Krishna) 6 Each; Kaikalur (dist Eluru), Bheemavaram (dist West Godavari), Visakhapatnam (dist Vishakhapatnam), Gudivada (dist Krishna), Kakinada (dist Kakinada) 5 Each;
- ❖ **Sub Himalayan West Bengal & Sikkim:** Singimari (dist Cooch Behar) 7;
- ❖ **Gangetic West Bengal:** Gheropara (dist Birbhum) 7;
- ❖ **Konkan & Goa:** Sanguem (dist South Goa) 7;
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Kailashahar Aero (dist Unakoti) 7, Kailashahar Aws (dist Unakoti) 6, Dimapur_ Aws (dist Dimapur) 5,
- ❖ **Bihar:** Jokihat (dist Araria) 9, Raniganj (dist Araria) 6, Araria (dist Araria) 6, Kursakanta (dist Araria) 6,
- ❖ **Lakshadweep:** Amini (dist Lakshadweep) 6

Realised Gusty Winds (KMPH) during past 24hours ending at 0300 UTC of today i.e. 20.05.2025;

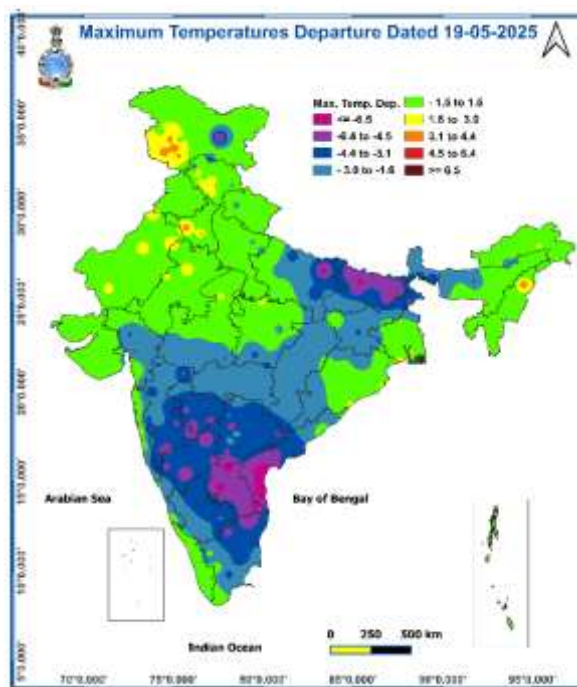
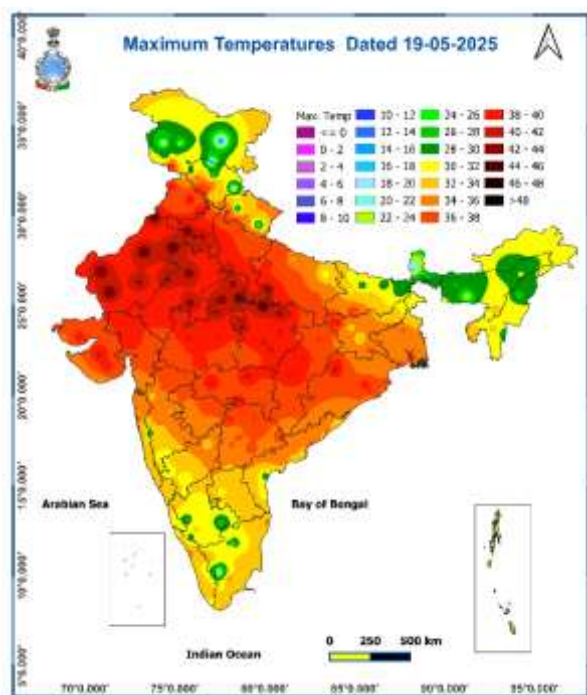
- ❖ **East Rajasthan:** Udaipur 80, Baran 54, Ajmer 44;
- ❖ **West Madhya Pradesh:** Sehore 68, Agar 57, Ujjain 56, Khandwa 56, Guna – 50, Shajapur 39, Ashoknagar 39;
- ❖ **Marathwada:** Beed 67, Aurangabad 52, Jalna 50, Osmanabad 41, Nanded 41;
- ❖ **Tamil Nadu:** Tirupattur 67, Dindigul(Natham_Isro) 63, Thoothukudi 50, Thiruchendur - 41 Tenkasi – 39;
- ❖ **Jharkhand:** Jamtara – 65, Gumla – 56 Dhanbad – 46 Garhwa – 43 Bokaro – 41;
- ❖ **East Madhya Pradesh:** Singrauli – 65 Satna (Chitrakoot) – 54 Sagar – 50 Rewa – 41;
- ❖ **Odisha:** Cuttack – 61, Bhadrak – 52 Rayagada – 39;
- ❖ **Arunachal Pradesh:** Shiyomi – 59;
- ❖ **Chhattisgarh:** Koriya – 59, Mungeli – 56, Korba – 54, Surajpur – 46 Balrampur – 46;
- ❖ **Madhya Maharashtra:** Jalgaon – 56, Nandurbar – 54, Satara – 48, Kurvande– 46, Pune – 44, Solapur – 39;
- ❖ **Bihar:** Supaul – 56, Madhubani – 37;
- ❖ **Telangana:** Nizamabad – 56, Vikarabad – 39;
- ❖ **Gangetic West Bengal:** Barrackpore – 52, Raidighi – 46;
- ❖ **Himachal Pradesh:** Kinnaur – 50, Kufri – 39;
- ❖ **Uttarakhand:** Chamoli -50, Pithoragarh 39, Nainital 39;
- ❖ **East Uttar Pradesh:** Lucknow -46; Bahraich -43, Sitapur -41;
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Kolasib – 44, Khoupum- 39;
- ❖ **Assam & Meghalaya:** Mawkyrwat -43; Mawsynram - 41 Tura -39;
- ❖ **Kerala:** Alappuzha – 43 Ernakulam -39 Kasaragod -39

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

- ❖ Yesterday, Maximum Temperatures were in the range of 40-46°C in most parts of Rajasthan; in many parts of East Madhya Pradesh, Vidarbha; in a few parts of West Madhya Pradesh, Haryana-Chandigarh-Delhi; in isolated parts of Uttar Pradesh, Odisha, Saurashtra & Kutch, Chhattisgarh; in the range 36-40°C in many parts of Punjab, Gujarat Region; in a few parts of Jharkhand, Gangetic West Bengal, Marathwada, Telangana; in isolated parts of Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Uttarakhand, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam and they were less than 36°C elsewhere over remaining parts of the country. Yesterday, the highest maximum temperature of **46.6°C** was reported at **Banda (East Uttar Pradesh)** over the country.
- ❖ Yesterday, Maximum Temperature were **markedly above normal (> 5.1°C)** at isolated places over West Uttar Pradesh and East Madhya Pradesh; **appreciably above normal (3.1°C to 5.0°C)** at a few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at isolated places over Gangetic West Bengal, East Uttar Pradesh, Haryana-Chandigarh-Delhi, East Rajasthan and Konkan & Goa; **above normal (1.6°C to 3.0°C)** at many places over Himachal Pradesh and West Rajasthan; at a few places over Arunachal Pradesh; at isolated places over Odisha, Uttarakhand, West Madhya Pradesh, Saurashtra & Kutch and Kerala & Mahe and **near normal (-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, Assam & Meghalaya, Gujarat Region, Coastal Karnataka and Lakshadweep; at most places over Nagaland, Manipur, Mizoram & Tripura and Punjab; at isolated places over Sub Himalayan West Bengal & Sikkim, Jharkhand, Bihar, Madhya Maharashtra, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and South Interior Karnataka. (Fig. 2).

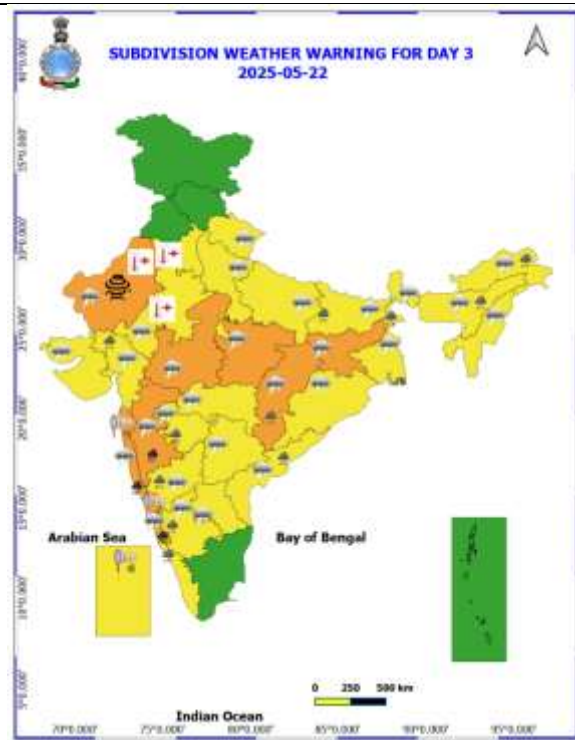
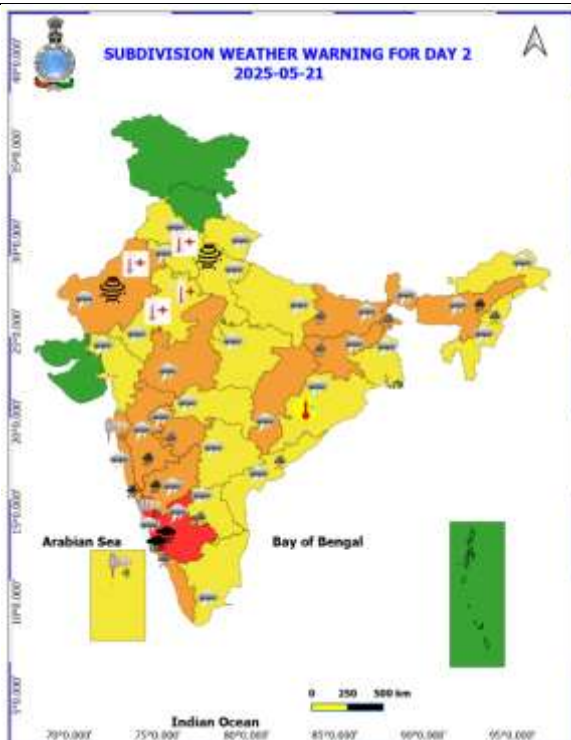
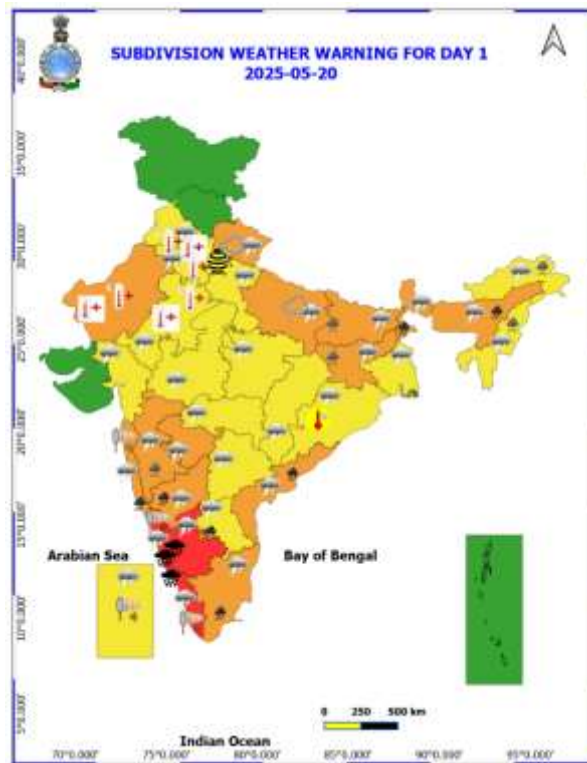
Fig. 1: Maximum Temperatures

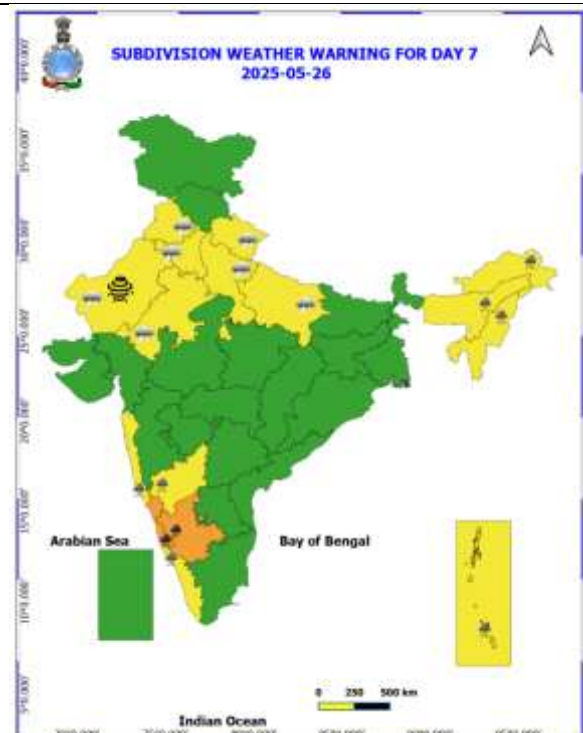
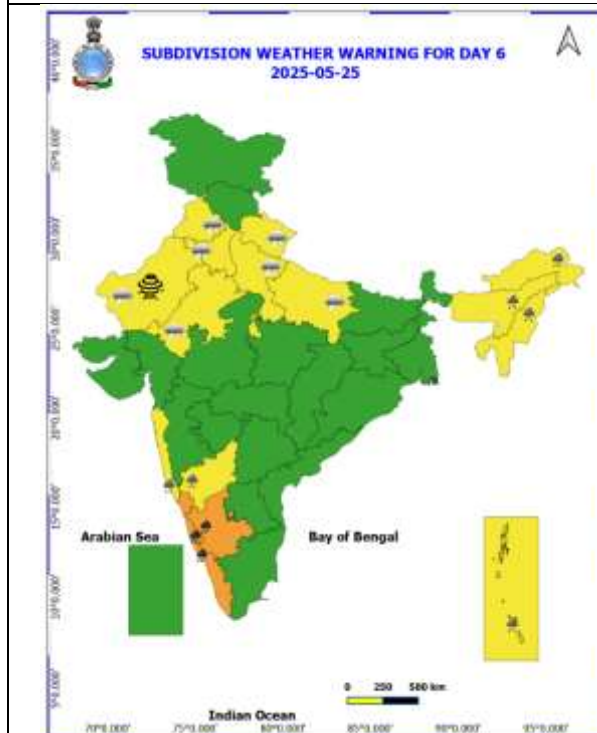
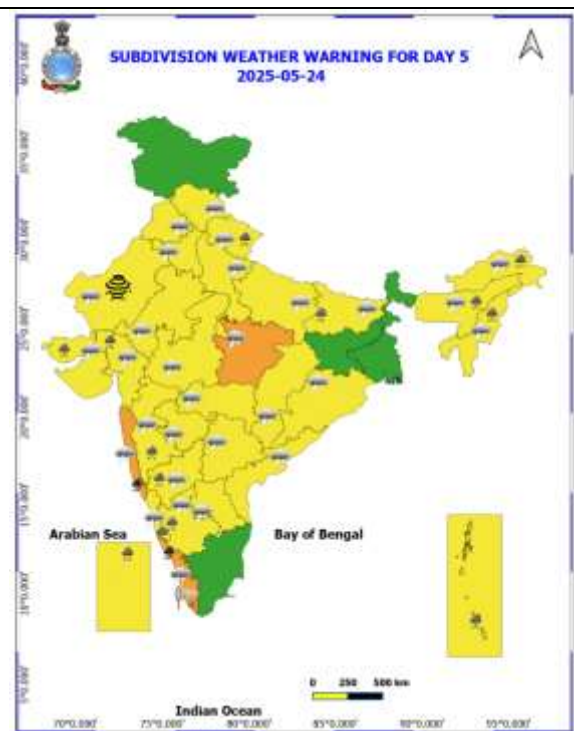
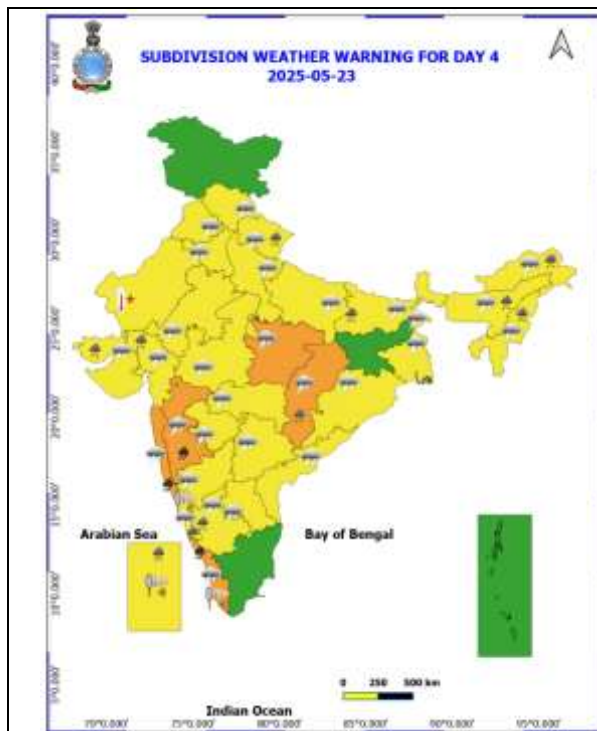
Fig. 2: Departure of Maximum Temperatures



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

- As the lead period increases forecast accuracy decreases.



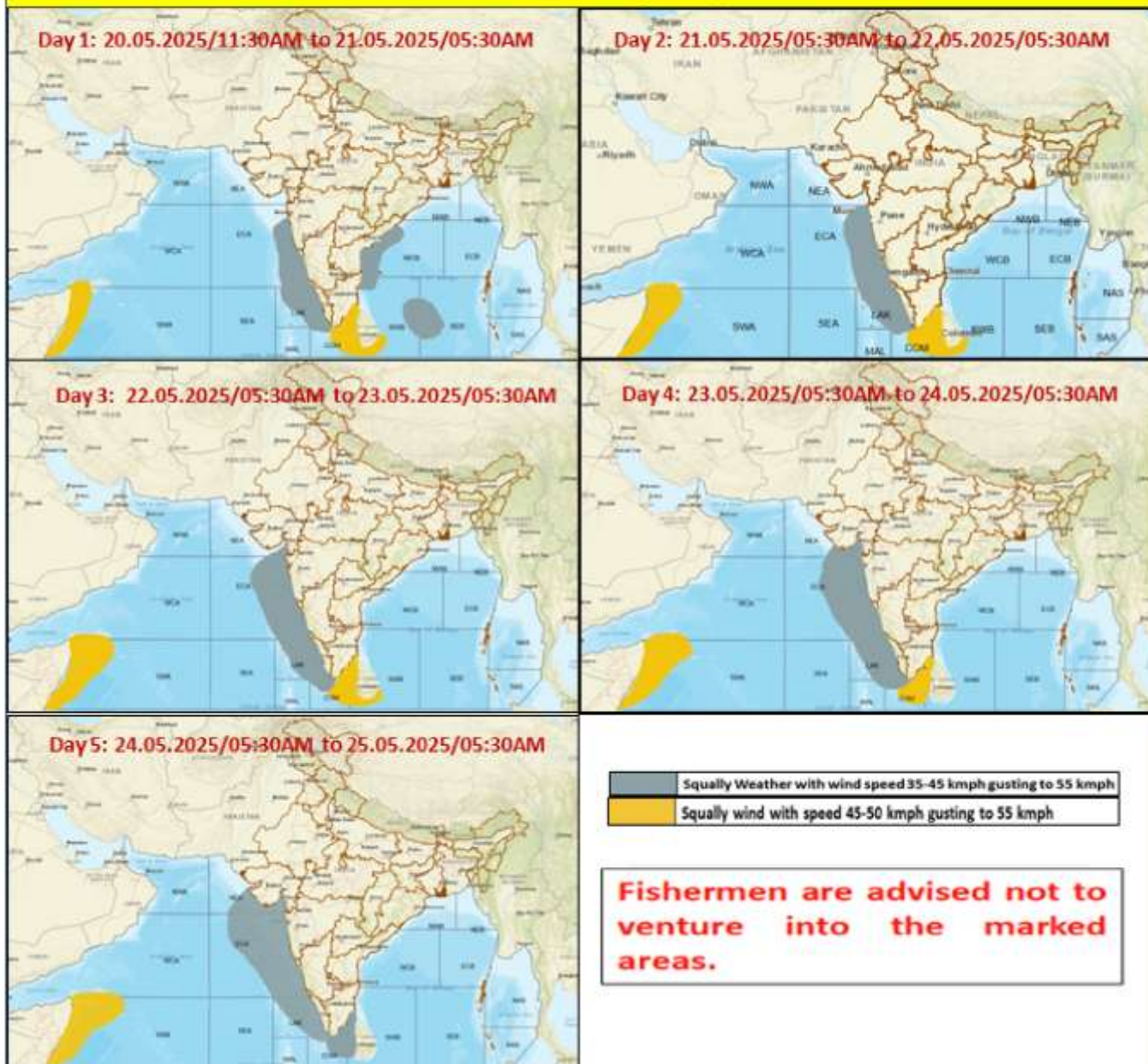


- Action may be taken based on ORANGE AND RED COLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

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



Fishermen Warning Graphics



Weather forecast over Delhi/NCR during 20th to 23rd May 2025**Past Weather:**

There has been rise in minimum temperature up to 02°C and rise in maximum temperature up to 01°C over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi are in the range of 41 to 43°C and 26 to 28°C respectively. The minimum temperature was above normal up to 01 - 03°C and the maximum temperature was above normal up to 02°C at most places over Delhi/NCR. Partly cloudy sky conditions with predominant surface wind from the northwest/southeast direction with wind speeds less than 18 kmph prevailed during the past 24 hours. Partly cloudy sky conditions with wind speed less than 10 kmph from the southeast direction prevailed over the region in the forenoon today.

Weather Forecast:

20.05.2025: Partly cloudy sky. Very light rain to light rain accompanied with thunderstorm/lightning and gusty winds (speed 30 – 40 kmph) temporarily reaching to 50 kmph during thunderstorm with dust rising surface winds towards evening/night. The maximum temperatures over Delhi are likely to be in the range of 39 to 41°C. The maximum temperature will be below normal up to 01 - 02°C. The predominant surface wind will likely be from the northwest direction with a wind speed of less than 15 kmph till evening. It would decrease becoming less than 12 kmph from the northwest direction during the night.

21.05.2025: Partly cloudy sky. Very light rain to light rain accompanied with thunderstorm/lightning and gusty winds (speed 30 – 40 kmph) temporarily reaching to 50 kmph during thunderstorm with dust rising surface winds. The maximum and minimum temperatures over Delhi are likely to be in the range of 38 to 40°C and 27 to 29°C respectively. The minimum temperature will be above normal up to 01 - 03°C and the maximum temperature will be below normal up to 01 - 03°C. The predominant surface wind will likely be from the northwest direction with a wind speed of 20-25 kmph during morning hours. The wind speed will gradually decrease becoming 16-20 kmph from the northwest direction in the afternoon. It will decrease becoming less than 12 kmph from the southeast direction during evening and night.

22.05.2025: Partly cloudy sky. Very light rain to light rain accompanied with thunderstorm/lightning and gusty winds (speed 30 – 40 kmph) temporarily reaching to 50 kmph during thunderstorm with dust rising surface winds. The maximum and minimum temperatures over Delhi are likely to be in the range of 38 to 40°C and 26 to 28°C respectively. The minimum temperature will be above normal up to 01 - 02°C and the maximum temperature will be below normal up to 01 - 02°C. The predominant surface wind will likely be from the northwest direction with a wind speed of less than 10 kmph during the morning hours. The wind speed will gradually increase becoming 15-20 kmph from the northwest direction in the afternoon. It will increase becoming less than 25 kmph from the southeast direction during evening and night.

23.05.2025: Partly cloudy sky. Very light rain to light rain accompanied with thunderstorm/lightning and gusty winds (speed 30 – 40 kmph) temporarily reaching to 50 kmph during thunderstorm with dust rising surface winds. The maximum and minimum temperatures over Delhi are likely to be in the range of 38 to 40°C and 27 to 29°C respectively. The minimum temperature will be above normal up to 01 – 03°C, and the maximum temperature will be below normal up to 01 - 02°C. The predominant surface wind will likely be from the southeast direction with a wind speed of less than 20 kmph during the morning hours. The wind speed will gradually decrease becoming 08-12 kmph from the southeast direction in the afternoon. It will increase becoming less than 20 kmph from the southeast direction during evening and night.

Impact expected and Action Suggested due to thunderstorm with lightning/gusty winds:

- Be cautious and take precautionary measures, though there is the likelihood of thunderstorm/lightning/dust accompanied by strong surface winds 30 – 40 kmph gusting to 50 kmph.
- Breaking of tree branches, uprooting of large avenue trees, Large dead limbs blown from trees, Damage to standing crops, Minor to major damage to power and communication lines due to breaking of branches, Partial damage to vulnerable structures due to strong winds, Loose objects may fly.
- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly, stay indoors, close windows & doors and avoid travel if possible, take safe shelters; do not take shelter under trees, do not lie on concrete floors and do not lean against concrete walls, unplug electrical/ electronic appliances, immediately get out of water bodies, keep away from all the objects that conduct electricity.

Impact & Action Suggested due to Extremely and very heavy rainfall over

- ✓ **Extremely heavy rainfall** at isolated places over north Kerala on 20th and Coastal & Ghat areas of Karnataka on 20th & 21st May.
- ✓ **Isolated very heavy rainfall** over Sub-Himalayan West Bengal & Sikkim, Ghat areas of Tamil Nadu, Coastal Andhra Pradesh & Yanam, Rayalaseema on 20th; Coastal Karnataka during 22nd, 25th & 26th; Assam & Meghalaya, North Interior Karnataka on 20th & 21st; South Interior Karnataka on 25th & 26th; south Madhya Maharashtra during 21st-23rd; Konkan & Goa during 20th-24th May.

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 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
- ❖ Damage to horticulture and standing crops in some areas due to inundation.
- ❖ It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC).

Action Suggested

- ❖ Check for traffic congestion on your route before leaving for your destination.
- ❖ Follow any traffic advisories that are issued in this regard.
- ❖ Avoid going to areas that face the water logging problems often.
- ❖ Avoid staying in vulnerable structure.

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

- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** over Uttarakhand on 20th; Konkan & Goa and Madhya Maharashtra during 20th-22nd; Marathawada on 20th & 21st; West Madhya Pradesh on 22nd; East Madhya Pradesh on 22nd & 23rd; Chhattisgarh during 21st-23rd; Sub-Himalayan West Bengal & Sikkim, Bihar on 20th & 21st; Jharkhand during 20th-22nd May.
- ✓ **Isolated hailstorm** over Uttarakhand & East Uttar Pradesh on 20th May.

Impact expected:

- Breaking of tree branches, uprooting of large avenue trees. Large dead limbs blown from trees. Damage to Standing crops.
- Minor to Major damage to banana and papaya trees.
- Minor to major damage to power and communication lines due to breaking of branches.
- Strong wind/hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.
- Partial damage to vulnerable structures due to strong winds.
- Minor damage to kutcha houses/walls and huts.
- Loose objects may fly.

Action suggested:

- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

Impact expected and action suggested due to Heat wave conditions in isolated pockets of West Rajasthan on 20th with **Heat wave to severe heat wave conditions** in some parts during 21st-23rd May. **Heat wave conditions** in isolated pockets of East Rajasthan on 20th & 21st; south Haryana during 20th-22nd May.

Orange alert Areas

- High temperature & increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.
- High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure– keep cool. Avoid dehydration.
- Drink sufficient water- even if not thirsty.
- Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

Yellow alert Areas

- Moderate temperature & heat is tolerable for general public but moderate health concern likely for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure.
- Wear lightweight, light colour, loose, cotton clothes.
- Cover your head, use a cloth, hat or umbrella.

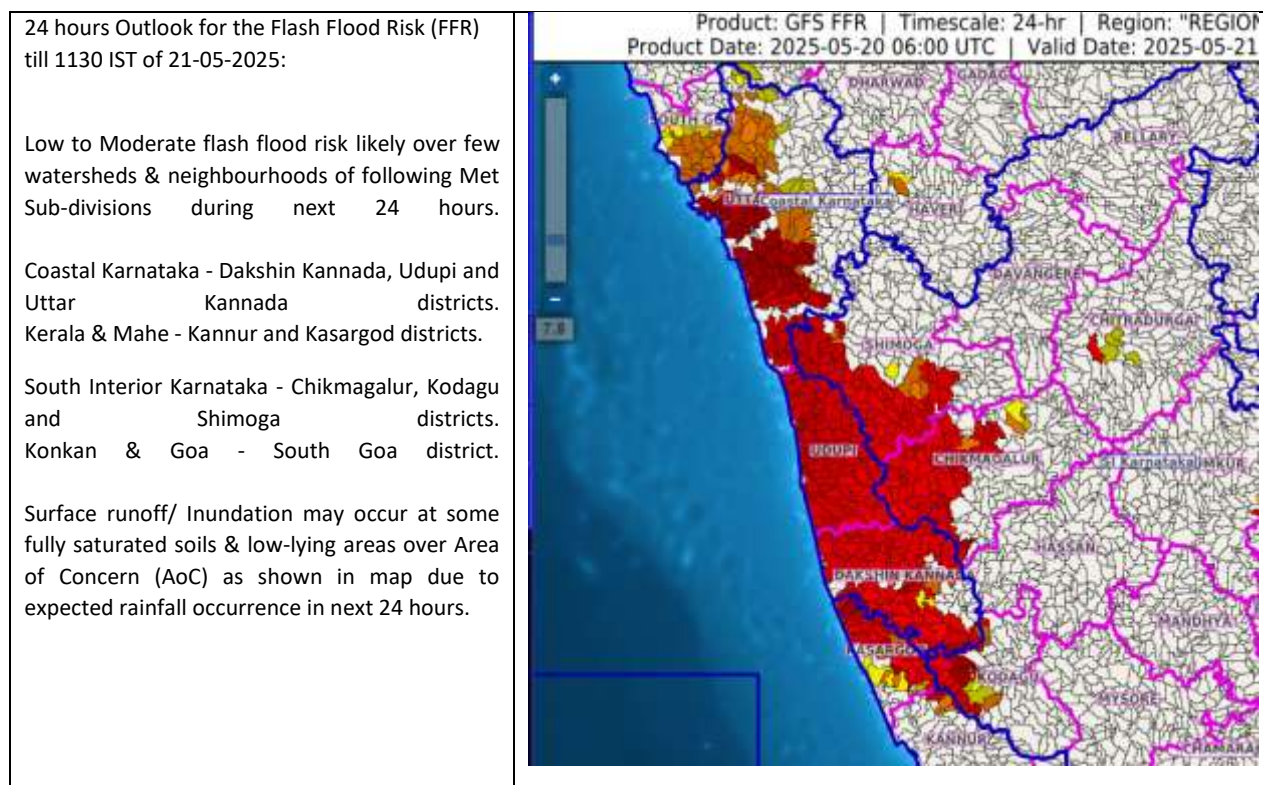
Agromet advisories for likely impact of Heavy Rainfall / Hailstorms / Gusty Winds / Heat Wave

- In **North Eastern States, Sub-Himalayan West Bengal & Sikkim, Jharkhand, Bihar, Konkan & Goa, Madhya Maharashtra, Marathwada, Tamil Nadu, Kerala, Karnataka and Andhra Pradesh**, drain out excess water and ensure proper drainage in fields with standing crops and vegetables.
- In **Uttarakhand and East Uttar Pradesh**, use hail nets and hail caps to prevent mechanical damage in vegetables and orchards due to the possibility of hailstorms.
- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops properly and cover them to minimise the risk of displacement due to strong surface winds.
- Provide mechanical support to horticultural crops and staking to vegetables to avoid lodging.
- In **Haryana and Rajasthan**, apply light and frequent irrigation in the evening to protect standing crops, vegetables and orchards from the adverse effects of heat waves and high temperatures.

Livestock / Poultry / Fishery

- Keep the animals inside the shed during heavy rainfall / hailstorm and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.
- To reduce the effect of heat wave/high temperature, cover the roof of poultry sheds with grass. Also, provide clean, hygienic and plenty of drinking water to animals.

Flash Flood Guidance:

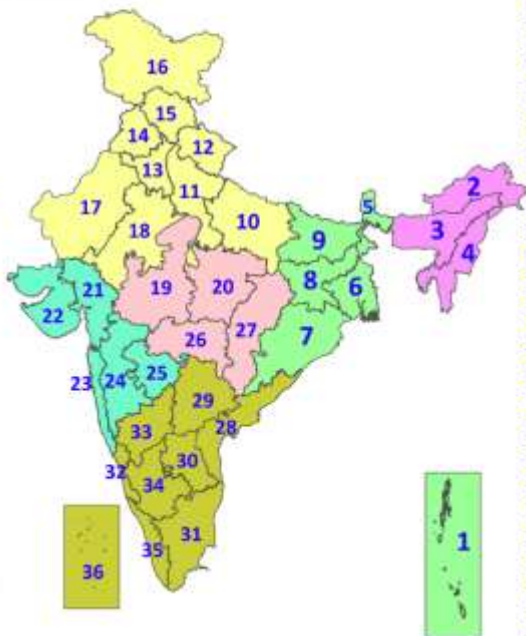


Legends & abbreviations:

- ❖ **Heavy Rain:**64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; **AWS:** 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, 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 Rain

Very Heavy Rain

Extremely Heavy Rain

Thunder & Lightning

Hailstorm

Dust Raising Winds

Heavy Snow

Dust Storm

Heat Wave

Warm Night

Hot Day

Hot & Humid

Strong Surface Winds

Cold Wave

Cold Day

Ground Frost

COLOUR CODED WARNING

No Warning (No Action)

Watch (Be Aware)

Alert (Be Prepared To Take Action)

Warning (Take Action)

Probabilistic Forecast

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

* Red colour warning does not mean "Red Alert", Red colour warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day.

For more details, kindly visit <https://mausam.imd.gov.in> or contact: 011-2434-4599

(Service to the Nation since 1875)

DEFINITION/CRITERIA

Rain/ Snow *

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 62-67 kmph

Very Severe: Wind speed > 67 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 Storm: Wind speed > 220 kmph (> 119 knots)

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Hot and Humid: When maximum temperatures remain 3°C above normal along with the above normal relative humidity.