Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 24th May, 2025
Time of Issue: 1445 hours IST

Subject: i) The Southwest Monsoon has set in over Kerala today, the 24th May, 2025, against its normal date of 01st June.
(ii) Depression over Eastcentral Arabian Sea & adjoining south Konkan coast. It is likely to move nearly eastwards and cross south coastal Maharashtra by noon of today, the 24th May 2025.
iii) Heavy to very heavy rainfall likely to continue over west coast (Kerala, Karnataka, coastal Maharashtra & Goa) during next 7 days with possibility of extremely heavy rainfall over coastal Maharashtra & Goa and Madhya Maharashtra on 24th; Coastal and Ghat areas of Karnataka during 24th-27th; Ghat areas of Tamil Nadu on 25th & 26th May, 2025.
iv) Heat wave to severe heat wave conditions likely to continue over Rajasthan till 27th; Punjab & Haryana and Jammu & Kashmir till 26th May, 2025.

Advance of Southwest Monsoon: (Annexure I):

- The Southwest Monsoon has further advanced into remaining parts of south Arabian Sea, some parts of westcentral & eastcentral Arabian Sea, entire Lakshadweep area, Kerala, Mahe, some parts of Karnataka, remaining parts of Maldives and Comorin area; many parts of Tamil Nadu, remaining parts of southwest and eastcentral Bay of Bengal, some parts of westcentral and north Bay of Bengal, and some parts of Mizoram today, the 24th May 2025. **Thus, the Southwest Monsoon has set in over Kerala today, the 24th May, 2025, against the normal date of 1st June.**

- The Northern Limit of Monsoon passes through 13°N/55°E, 13°N/60°E, 13.5°N/65°E, 15°N/70°E, Karwar, Shimoga, Dharmapuri, Chennai, 15°N/83°E, 18°N/87°E, Saiha, 25°N/96°E, 27°N/98°E.

- Conditions are favourable for further advance of Southwest Monsoon into some more parts of central Arabian Sea, entire Goa, some parts of Maharashtra & Andhra Pradesh, some more parts of Karnataka, remaining parts of Tamil Nadu, some more parts of westcentral & North Bay of Bengal, some more parts of parts of Northeastern states and some parts of Sub-Himalayan West Bengal and Sikkim during next 2-3 days.

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

- **Heavy to very heavy rainfall** has been recorded at a few places over Kerala & Mahe and coastal Maharashtra; at isolated places over coastal & South Interior Karnataka, Odisha, Bihar, Madhya Maharashtra, **Heavy rainfall** at isolated places over Goa, Uttarakhand, Vidarbha, Saurashtra & Kutch, Tamil Nadu Puducherry & Karaikal.
- **Thunderstorm accompanied with Squally/Gusty winds** with speed 60-80 kmph prevailed at isolated places over Tamilnadu Puducherry & Karaikal, Madhya Maharashtra, East Madhya Pradesh; with speed 30-60 kmph prevailed at isolated places over Kerala & Mahe, Himachal Pradesh, Bihar, coastal Maharashtra, Andaman & Nicobar Islands, Punjab, Haryana, Marathawada, Odisha, Jharkhand, West Uttar Pradesh, Uttarakhand, Nagaland, Manipur, Mizoram & Tripura, West Bengal.
- **Hailstorm** observed at isolated places over Himachal Pradesh and Uttarakhand.
- **Duststorm** reported at isolated places over East Uttar Pradesh.
- **Heat wave to severe heat wave conditions** prevailed at many places of West Rajasthan; at few places of Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; **Heat wave conditions** in isolated pockets of East Rajasthan.

❖ **Warm night to severe warm night conditions** prevailed in isolated pockets of West 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):

❖ Yesterday's Well-Marked Low Pressure area over Eastcentral Arabian Sea off south Konkan coast concentrated into a depression at 0530 Hrs IST of today, the 24th May 2025 over Eastcentral Arabian Sea and adjoining south Konkan coast, moved slowly eastward with a speed of 6 kmph during past 3 hours and lay centred at 0830 Hrs IST of today, the 24th May 2025 over the same region close to south Konkan coast near latitude 17.20 N & longitude 73.20 E, about 30 km north-northwest of Ratnagiri and 70 km south of Dapoli. It is likely to continue to move nearly eastwards and cross south coastal Maharashtra coast between Ratnagiri and Dapoli as a depression by noon of today, the 24th May 2025.

❖ A **trough** runs from eastcentral Arabian sea to south Chhattisgarh across the cyclonic circulation associated with the **depression** area over eastcentral Arabian sea and adjoining south coastal Maharashtra coast in lower tropospheric levels.

❖ An **upper air cyclonic circulation** lies over West Rajasthan in lower tropospheric levels and a **trough** runs from this cyclonic circulation to West Vidarbha in lower tropospheric levels.

❖ A **cyclonic circulation** lies over north coastal Odisha & neighbourhood in lower tropospheric levels.

❖ A **cyclonic circulation** lies over Manipur & neighbourhood in lower tropospheric levels.

❖ A **low-pressure area** is likely to form over westcentral and adjoining North Bay of Bengal around 27th May.

❖ 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 at a few places with very heavy & extremely rainfall at isolated places very** likely over Kerala & Mahe during 24th-26th May and **heavy to very heavy rainfall** thereafter during 27th -30th May; heavy to very heavy rainfall with **extremely heavy rainfall** at isolated places very likely over Coastal & South Interior Karnataka during 24th-27th; and heavy to very heavy rainfall thereafter during 28th -30th May and heavy to very heavy rainfall over North Interior Karnataka during 24th-27th May and **heavy rainfall** during 28th-30th May. Heavy to very heavy rainfall also very likely over Tamil Nadu, Puducherry & Karaikal on 24th & 27th with isolated extremely heavy rainfall on 25th & 26th May, 2025.
- ✓ **Scattered to fairly widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Coastal Andhra Pradesh & Yanam, Rayalaseema and Telangana during next 5 days with **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Coastal Andhra Pradesh & Yanam, Rayalaseema on 27th & 28th May and **Isolated heavy rainfall** likely over Lakshadweep during 24th -26th; Coastal Andhra Pradesh & Yanam during 24th-30th; Rayalaseema on 26th & 27th; Telangana during 24th-28th May.

West India:

- ✓ **Fairly widespread to widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph with heavy to very heavy rainfall at a few places with extremely heavy rainfall at a few places over coastal Maharashtra & Goa and Ghat areas of Madhya Maharashtra on 24th and heavy to very heavy rainfall during 25th -30th May.**
- ✓ **Scattered to Fairly widespread** rainfall over Gujarat State and Marathwada during 24th-27th May with **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Gujarat Region on 24th May.

Northeast India:

- ✓ **Fairly widespread to widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph over** Northeast India during next 7 days. **Isolated heavy rainfall** likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura during 24th-30th May with isolated **very heavy rainfall** likely over Assam & Meghalaya on 29th & 30th and Nagaland, Manipur, Mizoram & Tripura on 27th & 28th May.

East & Central India:

- ✓ **Scattered to fairly widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Vidarbha, Chhattisgarh, Gangetic West Bengal, Jharkhand during 24th-28th; Sub-Himalayan West Bengal & Sikkim during 24th-26th; Odisha during 24th-30th May. **Isolated to scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Madhya Pradesh during 24th-28th**;** Bihar during 24th-30th May with **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Bihar on 25th & 26th May.
- ✓ **Isolated heavy rainfall** likely over Andaman & Nicobar Islands during 24th-26th; West Bengal & Sikkim during 28th -30th; Bihar on 25th & 26th; Jharkhand on 30th; Odisha on 24th, 25th & during 27th-30th May with isolated **very heavy rainfall** over Andaman & Nicobar Islands on 25th May, 2025.

Northwest India:

- ✓ **Scattered to fairly widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph** likely over Himachal Pradesh during 24th-29th; Uttarakhand during 24th-30th and **isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 27th-30th; Punjab & Uttar Pradesh and Rajasthan during 24th-30th; Haryana, Chandigarh during 24th-29th May with **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over Himachal Pradesh on 24th and West Rajasthan on 24th & 25th May.
- ✓ **Isolated hailstorm** over Himachal Pradesh on 24th and Uttarakhand on 24th & 25th May.
- ✓ **Isolated heavy rainfall** also likely over Uttarakhand on 24th, 25th & during 28th-30th May.
- ✓ **Duststorm (40-50 kmph)** also very likely over West Rajasthan during 24th-27th and East Rajasthan on 24th & 25th May.

Maximum Temperature Forecast:

- ❖ Rise by about 2°C in maximum temperatures likely over Northwest India during next 24 hours and no significant change thereafter for subsequent 6 days.
- ❖ No significant change in maximum temperatures likely over Central India during next 2 days and gradual rise by 2-3°C thereafter for subsequent 5 days.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

Heat wave and Warm Night warnings:

- ❖ **Heat wave to severe heat wave conditions** in many places of West Rajasthan during 24th-27th and in isolated pockets of East Rajasthan during 24th-26th May.
- ❖ **Heat wave conditions** very likely in isolated pockets of Jammu during 24th-26th; Punjab & Haryana Chandigarh during 24th-27th May.
- ❖ **Warm night conditions** very likely in few pockets of Punjab, Haryana Chandigarh & Delhi during 24th-27th; West Rajasthan during 24th – 26th May.

FISHERMEN WARNINGS (Graphics in Annexure VI)

Fishermen are advised not to venture into

(A) Eastcentral & South Arabian Sea and adjoining Northeast Arabian Sea, Lakshadweep & Comorin area and along & off Kerala, Karnataka, coastal Maharashtra-Goa & adjoining south Gujarat, Daman & Diu, Dadar & Nagar Haveli coasts till 27th May 2025.

(B) Small ships/shipping activities are to be monitored and regulated during 24th to 27th May 2025.

(C) Judicious regulation of tourism and recreational activities during 24th to 27th May 2025.

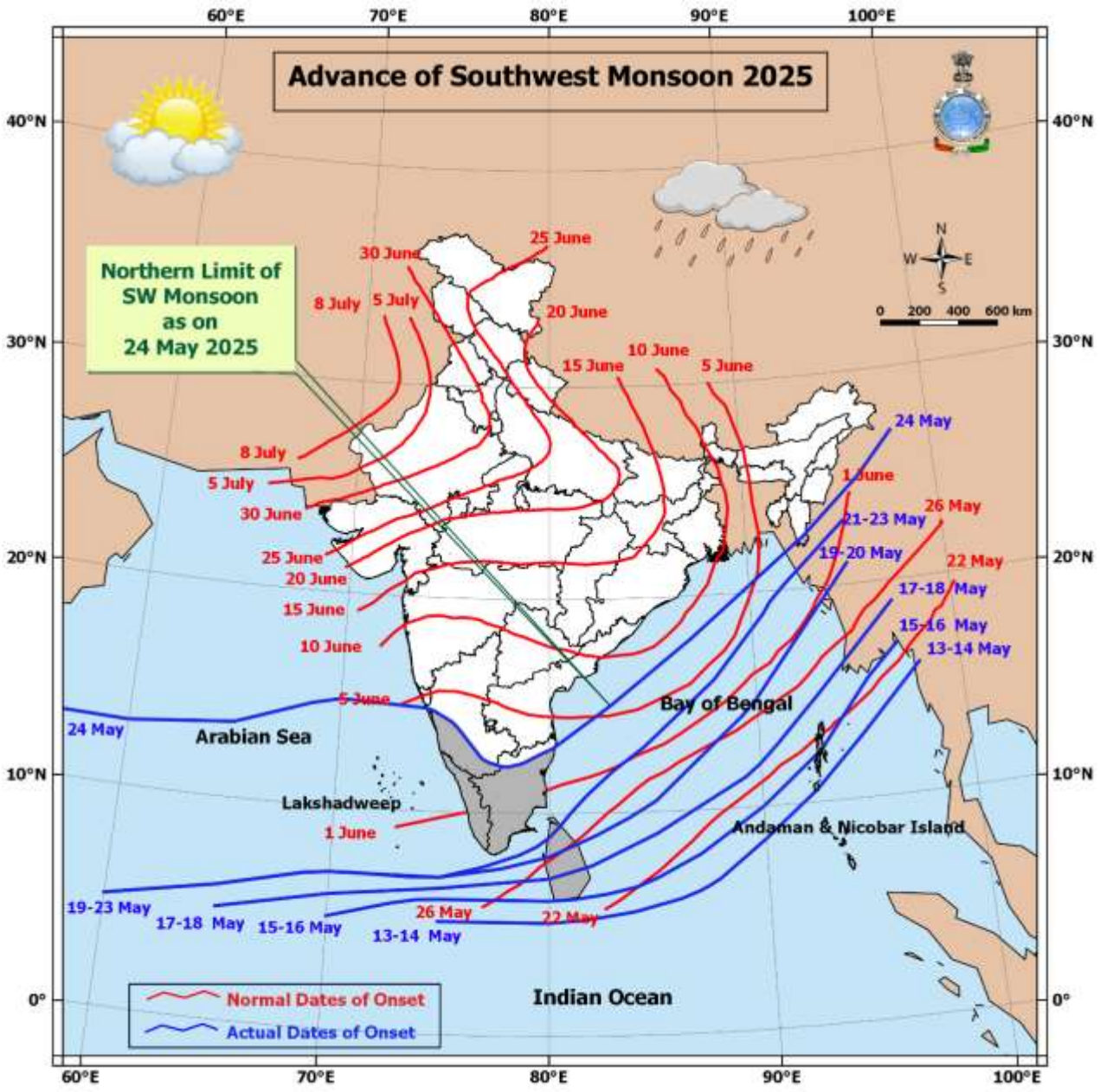
(D) Fishermen are advised not to venture over Gulf of Mannar, Comorin Area, along & off Andhra Pradesh coast & adjoining westcentral Bay of Bengal from 24th to 29th May and over Andaman Sea and adjoining parts of eastcentral Bay of Bengal from 25th to 29th May; over eastcentral Bay of Bengal on 25th & 26th; over central Bay of Bengal on 27th & 28th May; along and off west Bengal coast and parts of north Bay of Bengal on 28th May.

iv. Weather conditions and forecast over Delhi/NCR during 24th May to 27th May, 2025 (Annexure VII)

For more details, kindly refer National Weather Bulletin:
https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php
For District wise warnings refer: https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php

For Depression Bulletins refer:
https://rsmcnewdelhi.imd.gov.in/uploads/archive/1/1_fba0b7_02.National%20Bulletin%20No%2002-24May2025_0830IST.pdf

ANNEXURE I


Advance of Southwest Monsoon 2025
Northern Limit of SW Monsoon as on 24 May 2025
60°E
70°E
80°E
90°E
100°E
40°N
30°N
20°N
10°N
0°
N
W
E
S
0 200 400 600 km
25 June
30 June
8 July
5 July
20 June
15 June
10 June
5 June
24 May
1 June
26 May
21-23 May
19-20 May
22 May
17-18 May
15-16 May
13-14 May
Bay of Bengal
Arabian Sea
Lakshadweep
Andaman & Nicobar Island
Indian Ocean
Normal Dates of Onset
Actual Dates of Onset

ANNEXURE II

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

- **Light/moderate Rainfall with thunderstorm & lightning** observed at most places over Andaman & Nicobar Islands, Vidarbha, Coastal Karnataka, Kerala & Mahe and Lakshadweep; at many places over Arunachal Pradesh, Sub Himalayan West Bengal & Sikkim, Konkan & Goa, Marathwada, Telangana, Tamil Nadu, Puducherry & Karaikal, North Interior Karnataka and South Interior Karnataka; at a few places over Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha, Jharkhand, Madhya Maharashtra and Coastal Andhra Pradesh & Yanam; at isolated places over Assam & Meghalaya, Bihar, East Uttar Pradesh, Himachal Pradesh, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Chhattisgarh and Rayalaseema.

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

- **Bihar**: Raghunathpur (dist Siwan) 18, Nawada (dist Nawada) 6, Bausi (dist Banka) 6;
- **Coastal Karnataka:** Castle Rock (dist Uttara Kannada) 16, Belthangadi (dist Dakshina Kannada) 9, Manki (dist Uttara Kannada) 9, Mangaluru Ap Obsy (dist Dakshina Kannada) 8, Gersoppa (dist Uttara Kannada) 8, Kundapur (dist Udupi) 7, Mani (dist Dakshina Kannada) 7, Kumta (dist Uttara Kannada) 7, Dharmasthala (dist Dakshina Kannada) 7, Gokarna (dist Uttara Kannada) 7, Ankola (dist Uttara Kannada) 7;
- **South Interior Karnataka:** Kottigehara (dist Chikkamagaluru) 16, Bhagamandala (dist Kodagu) 10, Kalasa (dist Chikkamagaluru) 7;
- **Konkan & Goa:** Kankavli (dist Sindhudurg) 13, Devgad (dist Sindhudurg) 10, Rajapur (dist Ratnagiri) 9, Sangameshwar Devrukh (dist Ratnagiri) 9, Ratnagiri - Imd Obsy (dist Ratnagiri) 9, Vaibhavwadi (dist Sindhudurg) 8, Lanja (dist Ratnagiri) 8, Ponda (dist North Goa) 8, Rameshwar_agri (dist Sindhudurg) 7;
- **Kerala & Mahe:** Kumarakom(dist Kottayam) 12, Choondy(dist Ernakulam) 11, Peermade To (dist Idukki)10, Kalamassery(dist Ernakulam) 10, Chalakudi (dist Thrissur) 10, Trivandrum (dist Thiruvananthapuram) 10, Kodungallur (dist Thrissur) 9, Vaikkom(dist Kottayam) 9, Mahe (dist Mahe) 9, Idukki (dist Idukki) 9, Thodupuzha (dist Idukki) 9, Piravam (dist Ernakulam) 9, Thennala(dist Malappuram) 9, Thiruvananthapuram (dist Thiruvananthapuram) 9, Vyttiri (dist Wynad) 9, Angadipuram (dist Malappuram) 9, Munnar (dist Idukki) 9, Ponnani (dist Malappuram) 8, Urumi(dist Kozhikode) 8, Kunnamkulam (dist Thrissur) 8, Irinjalakuda (dist Thrissur) 8, Karipur Ap. (dist Malappuram) 8, Kochi I.a.f. (dist Ernakulam) 8, Ottapalam (dist Palakkad) 7, Pattembi (dist Palakkad) 7, Lower Sholayar(dist Thrissur) 7, Vadakara (dist Kozhikode) 7, Quilandi (dist Kozhikode) 7, Vadakkancherry (dist Thrissur) 7, Athirappalli(dist Thrissur) 7, Vadakara(dist Kozhikode) 7, Myladumpara_ (dist Idukki) 7, Mattanchery(dist Ernakulam) 7, Cherthala (dist Alapuzha) 7, Peechi(dist Thrissur) 7, Palluruthy (dist Ernakulam) 7, Idamalayar Dam(dist Ernakulam) 7, Ottapalam(dist Palakkad) 7, Chavara(dist Kollam) 7, Chittur (dist Palakkad) 7, Thritla (dist Palakkad) 7;
- **Odisha:** Patrapur (dist Ganjam) 12, Tensa (dist Sundargarh) 9, Sankheimundi (dist Ganjam) 8, Bhuban (dist Dhenkanal) 7;
- **Tamilnadu Puducherry & Karaikal:** Avalanche (dist Nilgiris), Taluk Office Pandalur (dist Nilgiris) 11 Each; Chinnakalar (dist Coimbatore) 9; Devala (dist Nilgiris) 8; Nagapattinam (dist Nagapattinam), Nalumukku (dist Tirunelveli), Oothu (dist Tirunelveli) 7 Each;
- **Madhya Maharashtra:** Baramati (PUNE) 12; Gaganbawada (dist Kolhapur) 10, Radhanagari (dist Kolhapur) 9, Phaltan (dist Satara) 8, Shahuwadi (dist Kolhapur) 7;
- **Saurashtra & Kutch:** Amreli (state data) 9, Amreli (dist Amreli) 7;
- **Vidarbha:** Gadchiroli 8;
- **Uttarakhand:** Ganganagar7, Chamoli 4

Realised Gusty Winds (KMPH) during past 24hours ending at 0300 UTC of today i.e. 24.05.2025;

- **Tamil Nadu, Puducherry & Karaikal:** Aduthurai 76; Ranipet 67; Kovilpatti 61; Natham 59;
- **Madhya Maharashtra:** Mahabaleshwar 67; Lavasa (Pune) 39; Nisam (Pune) 41;
- **East Madhya Pradesh:** Rewa 65;
- **Kerala & Mahe:** Thiruvananthapuram 59, Alapuzha 54, Wayanad 52, Kasargod 50, Idukki 48, Kannur 46;
- **Himachal Pradesh:** Reckong Peo 56, Tabo & Kotkhai 41each, Bajaura & Seobagh 39(each) and Narkanda 37;
- **Bihar**: Buxar 54; Rajgir 52;
- **Konkan:** Palghar 54; Devgad-Sindhudurg 43;
- **Andaman & Nicobar Islands:** Sri Vijayapuram 50;
- **Punjab:** Sangrur 48;
- **Haryana**: Karnal 46;
- **Marathwada:** Jalna 46;
- **Odisha:** Mayurbhanj 43;
- **Jharkhand:** Daltonganj 39; Pakur 37;
- **West Uttar Pradesh:** Farrukhabad 39;

- **Uttarakhand:** Pantnagar 37;
- **Nagaland, Manipur, Mizoram & Tripura:** Thoubal 36; Champai 34;
- **Gangetic West Bengal:** Murshidabad 37; Diamond Harbour, Jagatballavpur, Kalyani 33 each; Durgapur 31;
- **West Bengal**: Malda 30

ANNEXURE III

Temperatureobservationsduringpast24hourstill0830hoursISToftoday:

- Yesterday, Maximum Temperatures were in the range of 40-48°C in many parts of Rajasthan; at a few places over Gujarat state; in isolated parts of north Madhya Pradesh, East Uttar Pradesh; in the range 36-40°C in many parts of Haryana-Chandigarh-Delhi, south Madhya Pradesh; at a few places of Punjab, West Uttar Pradesh, southwest Bihar, Tamil Nadu, Puducherry & Karaikal; in isolated parts of Odisha, Coastal Andhra Pradesh & Yanam, Gangetic West Bengal and they were less than 36°C elsewhere over remaining parts of the country. Yesterday, the highest maximum temperature of 48.0°C was reported at **Jaisalmer (West Rajasthan).**
- Yesterday, Maximum temperatures were **markedly above normal (> 5.1°C)** at many places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at a few places over West Rajasthan; at isolated places over Assam & Meghalaya and Himachal Pradesh; **appreciably above normal (3.1°C to 5.0°C)** at most places over Arunachal Pradesh; at a few places over Nagaland, Manipur, Mizoram & Tripura and Saurashtra & Kutch; at isolated places over Gangetic West Bengal, West Uttar Pradesh, East Rajasthan, East Madhya Pradesh and Tamil Nadu, Puducherry & Karaikal; **above normal (1.6°C to 3.0°C)** at a few places over Gujarat Region and Lakshadweep; at isolated places over Bihar and **near normal (-1.5°C to 1.5°C)** at many places over Andaman & Nicobar Islands, Sub Himalayan West Bengal & Sikkim and Uttarakhand; at a few places over Odisha, East Uttar Pradesh, Haryana-Chandigarh-Delhi, West Madhya Pradesh, Konkan & Goa and Kerala & Mahe; at isolated places over Punjab and Coastal Andhra Pradesh & Yanam. **(Fig.2).**

Fig.1: Maximum Temperatures

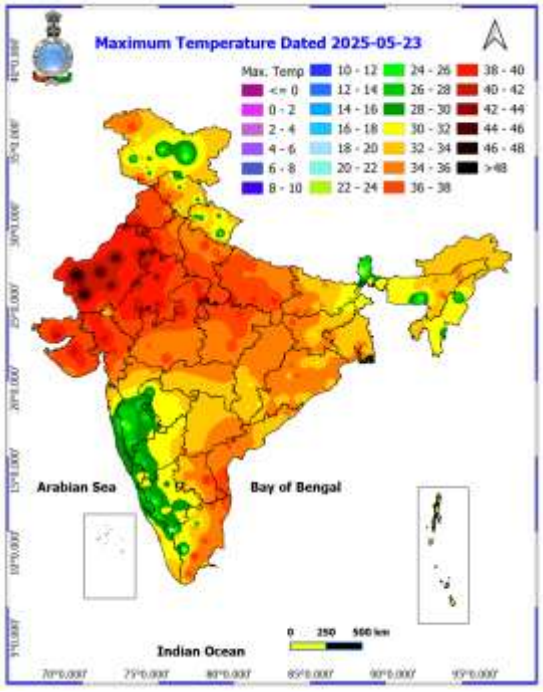
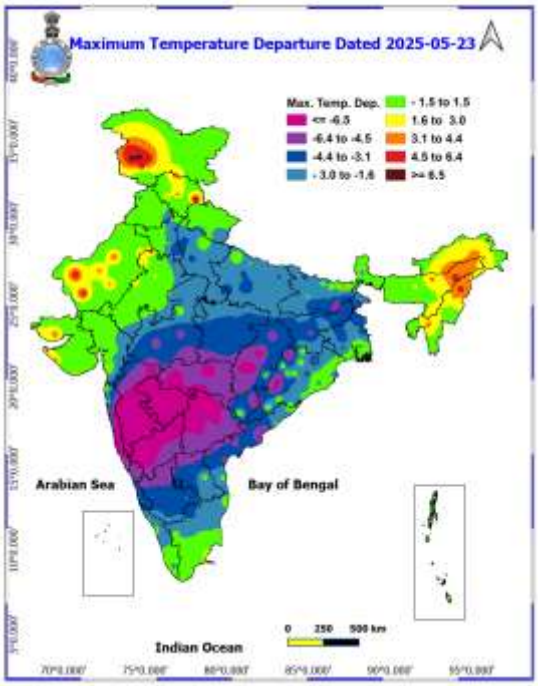


Fig.2: Departure of Maximum Temperatures

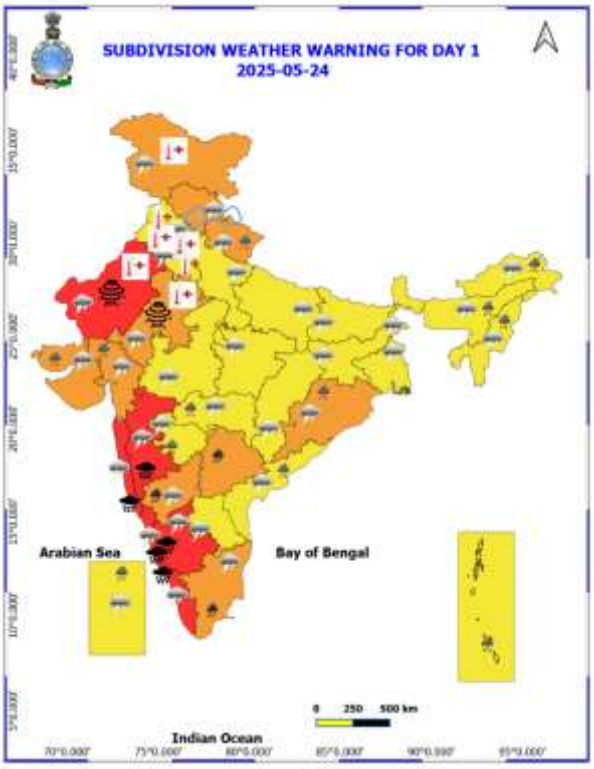


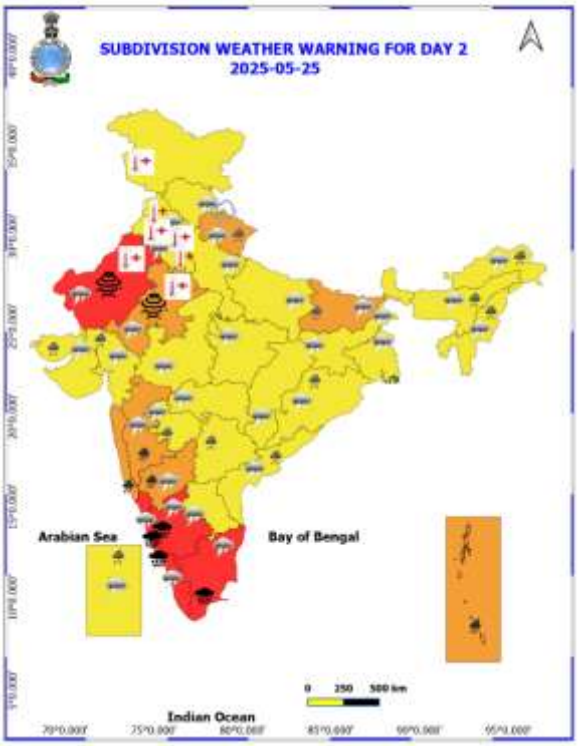
ANNEXURE IV

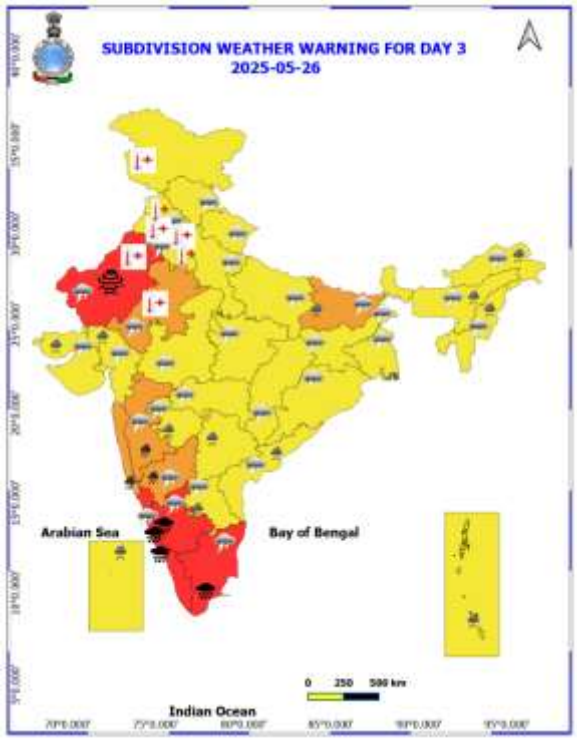
7 Days Rainfall Forecast								
S. No.	Subdivision	24-May	25-May	26-May	27-May	28-May	29-May	30-May
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WS	WS	WS	WS	FWS	FWS	FWS
2	ARUNACHAL PRADESH	FWS	WS	FWS	FWS	FWS	FWS	WS
3	ASSAM & MEGHALAYA	FWS	WS	WS	FWS	FWS	FWS	WS
4	NAGALAND, MANIPUR,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

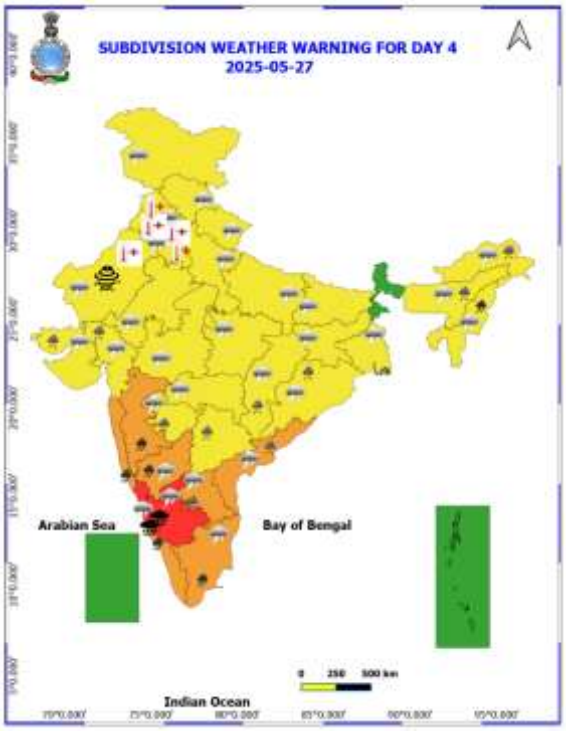
- **As the lead period increases forecast accuracy decreases.**

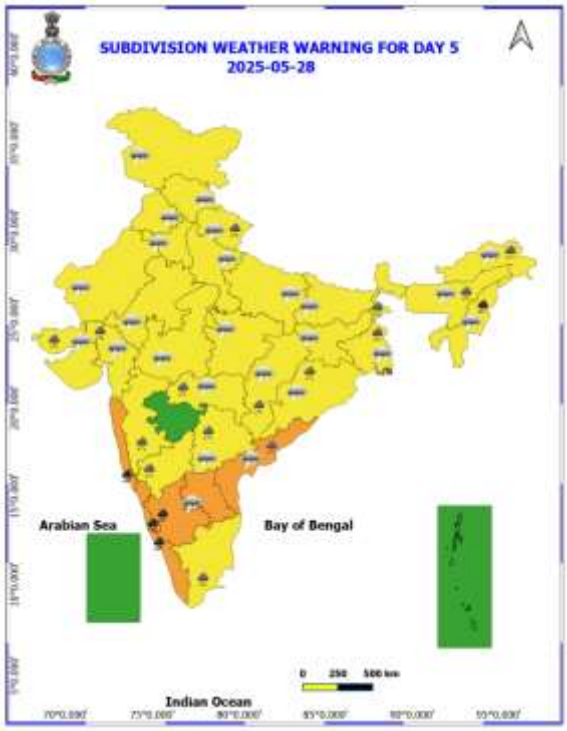
ANNEXURE V

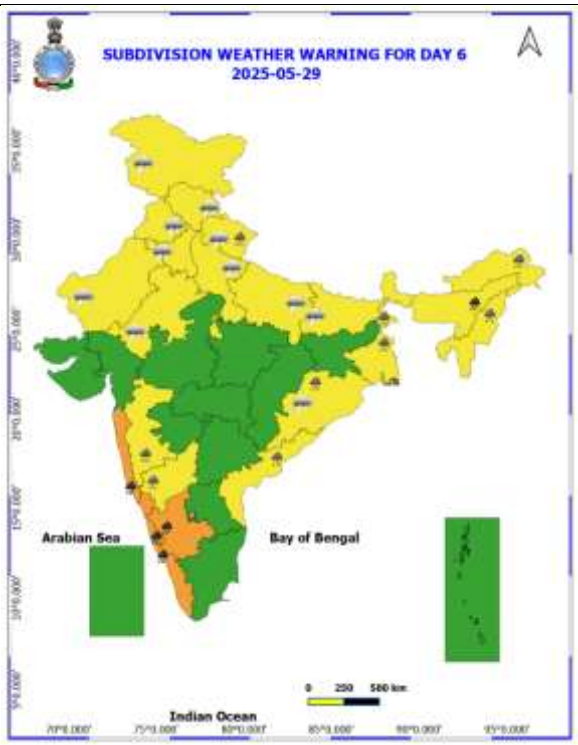

SUBDIVISION WEATHER WARNING FOR DAY 1
2025-05-24
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km

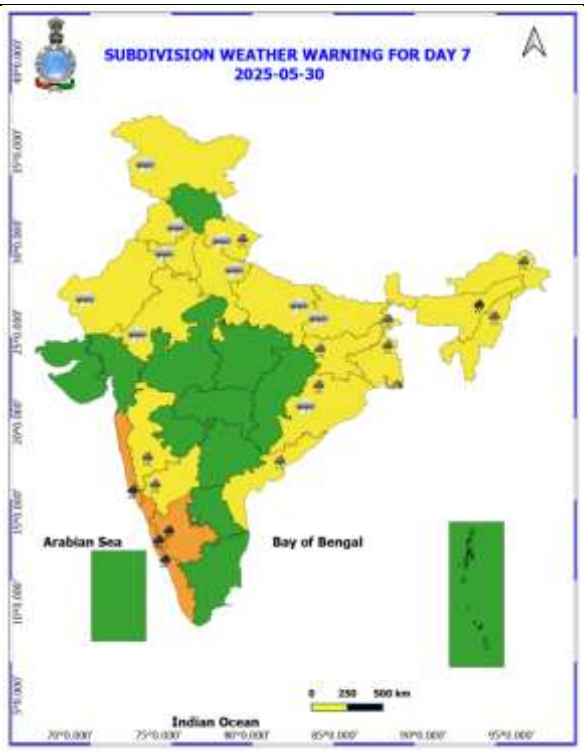

SUBDIVISION WEATHER WARNING FOR DAY 2
2025-05-25
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km


SUBDIVISION WEATHER WARNING FOR DAY 3
2025-05-26
Arabian Sea
Bay of Bengal
Indian Ocean
0 250 500 km





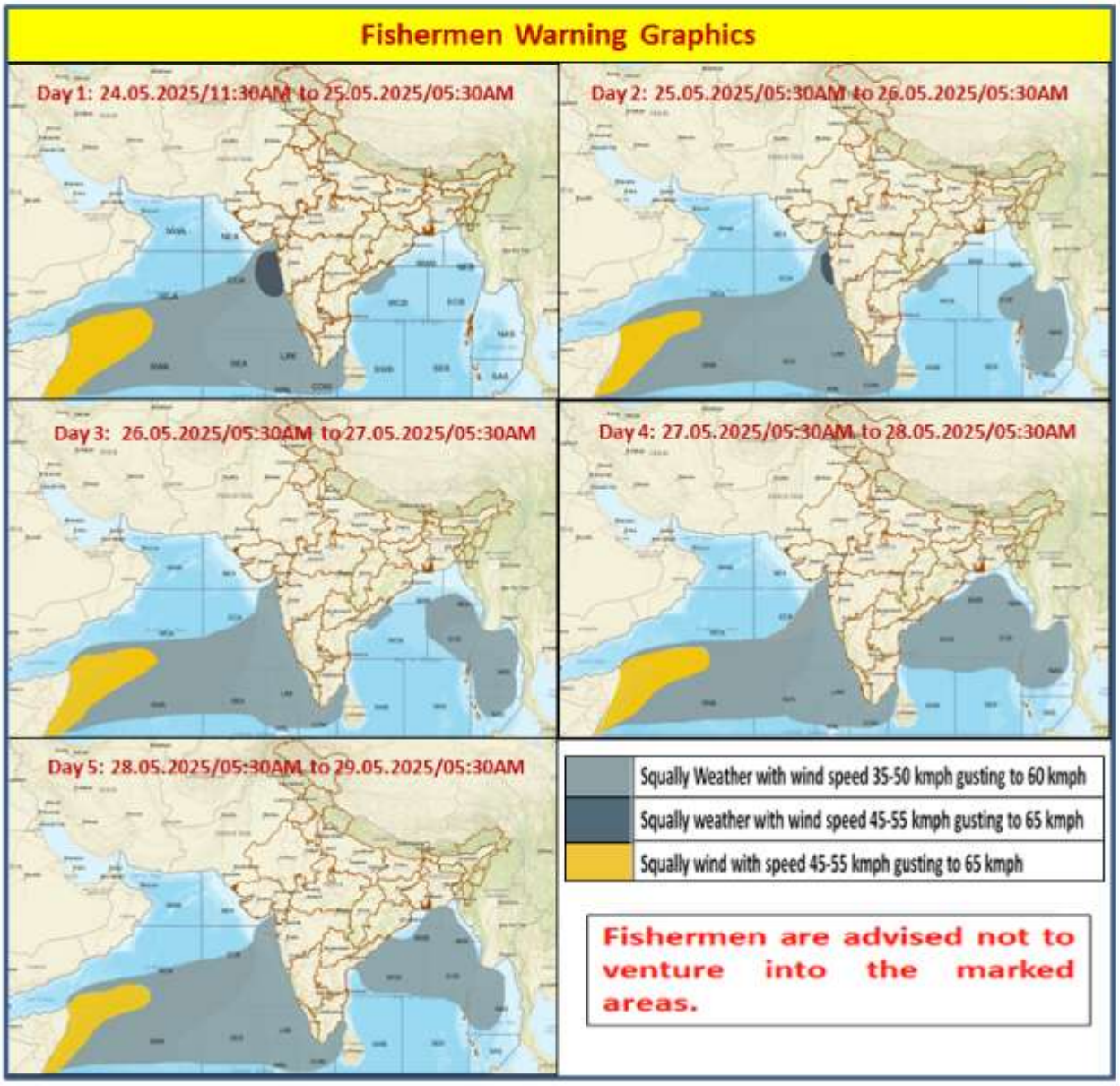




- **Action may be taken based on ORANGE AND REDCOLOUR warnings.**
- **Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.**
- **As the lead period increases forecast accuracy decreases.**

DetaileddistrictwiseMultiHazardweatherwarningfornextfivedaysavailableat
https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php

Annexure VI


Fishermen Warning Graphics
Day 1: 24.05.2025/11:30AM to 25.05.2025/05:30AM
Day 2: 25.05.2025/05:30AM to 26.05.2025/05:30AM
Day 3: 26.05.2025/05:30AM to 27.05.2025/05:30AM
Day 4: 27.05.2025/05:30AM to 28.05.2025/05:30AM
Day 5: 28.05.2025/05:30AM to 29.05.2025/05:30AM
Squally Weather with wind speed 35-50 kmph gusting to 60 kmph
Squally weather with wind speed 45-55 kmph gusting to 65 kmph
Squally wind with speed 45-55 kmph gusting to 65 kmph
Fishermen are advised not to venture into the marked areas.

Annexure VII

Weather forecast over Delhi/NCR during 24th to 27th May 2025

Past Weather:

There has been rise in minimum temperature up to 2°C and rise in maximum temperature up to 3°C over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi are in the range of 36 to 37°C and 27 to 28°C respectively. The minimum temperature was above normal up to 2°C and the maximum temperature was below normal up to 5°C at most places over Delhi/NCR. Partly cloudy sky conditions with predominant surface wind from the southeast/east direction with wind speeds less than 20 kmph prevailed during the past 24 hours. Partly cloudy sky conditions with wind speed less than 20 kmph from the southeast direction prevailed over the region in the forenoon today.

Weather Forecast:

24.05.2025: Partly cloudy sky. Very light rain to light rain accompanied with thunderstorm/lighting and gusty winds (speed 40 – 50 kmph) temporarily reaching to 60 kmph during thunderstorm with dust rising surface winds towards evening/night. The maximum temperatures over Delhi are likely to be in the range of 38 to 40°C. The maximum temperature will be below normal up to 1 - 2°C. The predominant surface wind will likely be from the southeast direction with a wind speed of less than 25 kmph till evening. It would decrease becoming less than 20 kmph from the southeast direction during the night.

25.05.2025: Partly cloudy sky. Possibility of very light rain to light rain accompanied with thunderstorm/lighting and gusty winds (speed 30 – 40 kmph) temporarily reaching to 50 kmph during thunderstorm with dust rising surface winds during morning hours. The maximum and minimum temperatures over Delhi are likely to be in the range of 37 to 39°C and 27 to 29°C respectively. The minimum temperature will be near normal and the maximum temperature will be below normal up to 1 - 3°C. The predominant surface wind will likely be from the southeast direction with a wind speed of 20-30 kmph during morning hours. The wind speed will gradually decrease becoming 15-20 kmph from the southeast direction in the afternoon. It will increase becoming less than 30 kmph from the southeast direction during evening and night.

26.05.2025: Partly cloudy sky. Possibility of thundery development. 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 1 - 3°C and the maximum temperature will be below normal up to 1 - 2°C. The predominant surface wind will likely be from the southeast direction with a wind speed of less than 30 kmph during the morning hours. The wind speed will gradually decrease becoming 15-20 kmph from the southeast direction in the afternoon. It will decrease becoming less than 16 kmph from the southeast direction during evening and night.

27.05.2025: Partly cloudy sky. Possibility of thundery development. The maximum and minimum temperatures over Delhi are likely to be in the range of 39 to 41°C and 28 to 30°C respectively. The minimum temperature will be above normal up to 2 – 4°C, and the maximum temperature will be near normal. 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 increase becoming 20-30 kmph from the southeast direction in the afternoon. It will decrease becoming less than 25 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/lighting and gusty winds (speed 30 – 40 kmph) temporarily reaching to 50 kmph during thunderstorm with dust rising surface winds.
- 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 heavy to very heavy rainfall over (For Red & Orange colour warning areas of Peninsular India & Maharashtra)

- ✓ **Extremely heavy rainfall** at isolated places over Kerala & Mahe during 24th-26th; Coastal & South Interior Karnataka during 24th-27th; Tamilnadu Puducherry & Karaikal 25th & 26th and coastal Maharashtra & Goa and Ghat areas of Madhya Maharashtra on 24th May.
- ✓ **Heavy to very heavy rainfall** very likely Kerala & Mahe during 27th -30th; North Interior Karnataka during 24th-27th; Coastal & South Interior Karnataka during 28th -30th; Tamil Nadu, Puducherry & Karaikal on 24th & 27th 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 Coastal Andhra Pradesh & Yanam, Rayalaseema on 27th & 28th; Gujarat Region on 24th; Bihar on 25th & 26th; Himachal Pradesh on 24th and West Rajasthan on 24th & 25th May.
- ✓ **Isolated hailstorm** over Himachal Pradesh on 24th and Uttarakhand on 24th & 25th 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 to severe heat wave conditions in many places of West Rajasthan during 24th-27th and in isolated pockets of East Rajasthan during 24th-26th May. **Heat wave conditions** very likely in isolated pockets of Jammu during 24th-26th; Punjab & Haryana Chandigarh during 24th-27th May.

Red alert Areas

➢ Very high likelihood of developing heat illness and heat stroke in all ages. ➢ Extreme care needed for vulnerable people.

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.

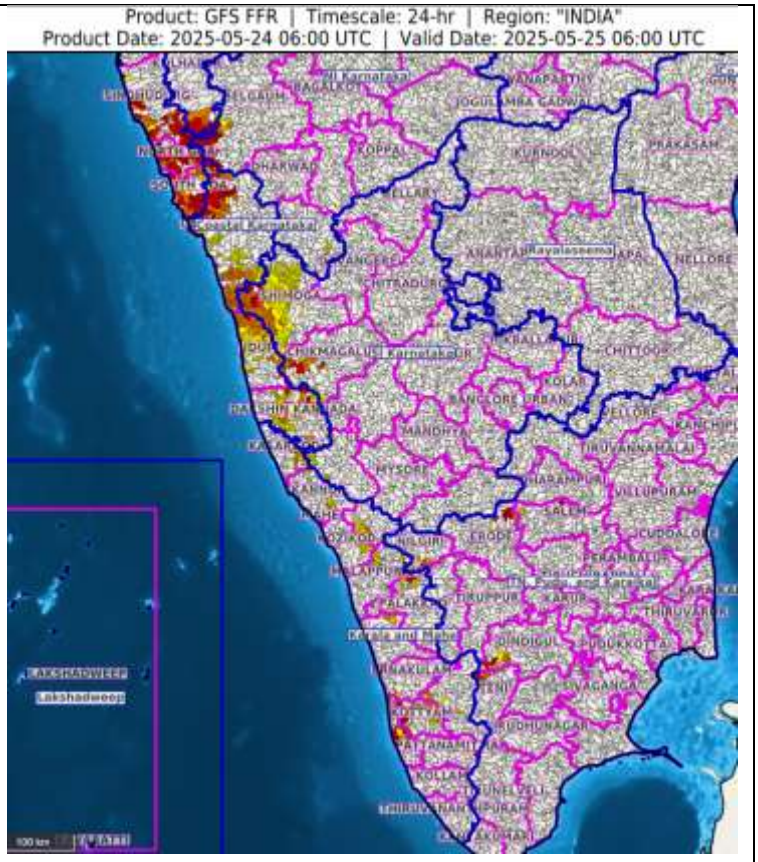
Agromet advisories for likely impact of Heavy Rainfall / Hailstorms / Gusty Winds / Heat Wave

- In **North Eastern States, Andaman & Nicobar Islands, Odisha, Bihar, Uttarakhand, Gujarat, Maharashtra, Tamil Nadu, Kerala, Lakshadweep, Karnataka, Andhra Pradesh and Telangana,** drain out excess water and ensure proper drainage in fields with standing crops and vegetables.
- In **Himachal Pradesh** and **Uttarakhand**, 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 **Jammu & Kashmir, Punjab, 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:

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 25-05-2025: Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours. Coastal Karnataka - Dakshin Kannada, Udupi and Uttar Kannada districts. Kerala & Mahe - Alappuzha, Ernakulam, Idukki, Kannur, Kasargod, Kottyam, Kozikod, Malappuram, Palakkad, Pattanamittia, Trishur and Wayanad districts. Konkan & Goa - North Goa, South Goa and Sindhudurg districts. Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 24 hours.	

Legends & abbreviations:

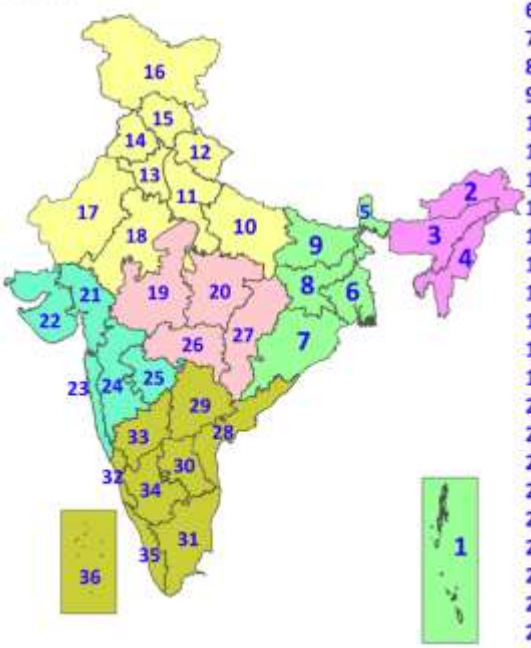
- **Heavy Rain:**64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **Extremely Heavy Rain:** >204.4mm.
- **Obsy:** Observatory; **AWS:** Automatic Weather Station; **ARG:** Automatic Rain Gauge; **dist:** District: **NH:** National Highway; **KVK**: Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **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.

राष्ट्रीय मौसम पूर्वानुमान केन्द्र
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय

National Weather Forecasting Centre
India Meteorological Department
Ministry of Earth Sciences

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)

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पृथ्वी विज्ञान मंत्रालय

National Weather Forecasting Centre
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Ministry of Earth Sciences

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 ≥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)

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