



**Government of India
Ministry of Earth Sciences
India Meteorological Department**

**Press Release
Date: 20th October, 2022
Time of Issue: 1400 hrs IST**

- Subject:** (i) **Low Pressure Area over north Andaman Sea and adjoining areas of south Andaman Sea & Southeast Bay of Bengal and it is likely gradually intensify into a cyclonic storm over westcentral & adjoining eastcentral Bay of Bengal by 24th October, 2022.**
- (ii) **Conditions are very likely to become favourable for further withdrawal of Southwest Monsoon from some more parts of Maharashtra; remaining parts of Chhattisgarh, Odisha and North Bay of Bengal; some parts of Telangana, Andhra Pradesh & Yanam and Central Bay of Bengal during next 2 days.**

Weather observed during past 24 hours ending at 0830 hrs IST of today: (Refer Annexure I)

Withdrawal of Southwest Monsoon: (Withdrawal Map in Annexure II)

- Southwest Monsoon has further withdrawn from some more parts of Vidarbha, Chhattisgarh; many parts of Odisha; remaining parts of Jharkhand, West Bengal, Assam, Tripura; entire Mizoram, Manipur, Nagaland, Arunachal Pradesh and many parts of North Bay of Bengal today, the 20th October, 2022. The withdrawal line of Southwest Monsoon now passes through 20.0°N, 93.0°E, Puri, Kanker, Buldana, Dahanu, Long. 71.0° E/Lat. 19.5° N.
- Conditions are very likely to become favourable for further withdrawal of Southwest Monsoon from some more parts of Maharashtra; remaining parts of Chhattisgarh, Odisha and North Bay of Bengal; some parts of Telangana, Andhra Pradesh & Yanam and Central Bay of Bengal during next 2 days.

Weather systems, rainfall/thunderstorm Forecast & Warnings: (Warning Graphics in Annexure III)

- Under the influence of yesterday's cyclonic circulation over north Andaman Sea & neighbourhood, a Low Pressure Area has formed over north Andaman Sea & adjoining areas of south Andaman Sea & Southeast Bay of Bengal in the morning of today, the 20th October, 2022.

It is very likely to move west-northwestwards and concentrate into a **Depression** over eastcentral & adjoining southeast Bay of Bengal around 22nd October and into a **Deep Depression** on 23rd October. Subsequently, it is very likely to recurve northwards and intensify into a **Cyclonic Storm** over westcentral & adjoining eastcentral Bay of Bengal by

24th October. Thereafter, it is likely to move gradually north- northeastwards and reach near West Bengal - Bangladesh coasts on 25th October, skirting Odisha coast.

- A trough runs from the cyclonic circulation associated with Low Pressure Area over north Andaman Sea and adjoining areas of south Andaman Sea & Southeast Bay of Bengal to Tamil Nadu coast across South Bay of Bengal in lower tropospheric level.
- A cyclonic circulation lies over southeast Arabian Sea & adjoining Kerala coast and extends upto mid tropospheric levels.
- A Western Disturbance as a trough in mid-tropospheric westerlies runs roughly along Long 72°E to the north of Lat 32°N.
- **Under the influence of above systems;**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Tamil Nadu, Puducherry & Karaikal during 20th - 22nd; over Kerala & Mahe during 20th-23rd and South Interior Karnataka and Lakshadweep on 20thOctober, 2022.
 - Scattered to fairly/widespread rainfall with **isolated heavy to very heavy falls & thunderstorm/lightning** very likely over Odisha and Gangetic West Bengal on 24th & 25th October, 2022.
 - Widespread light/moderate rainfall with **isolated heavy falls** very likely over Andaman & Nicobar Islands during 20th-23rd October, 2022.
 - Isolated light rainfall/snowfall over Western Himalayan Region during next 2 days.
 - **Dry weather very likely to prevail over most parts of Northwest & central India.**
- **Fishermen Warnings;**
 - **20th October: Squally weather** (wind speed 40-45 kmph gusting to 55 kmph) very likely over Southeast Arabian sea and along & off Kerala coast, Lakshadweep, Maldives, Comorin area, Gulf of Mannar; Andaman Sea and adjoining South Bay of Bengal. Fishermen are advised not to venture into these seas.
 - **21st October: Squally weather** (wind speed 40-45 kmph gusting to 55 kmph) very likely over Southeast Arabian sea and along & off Kerala coast, Lakshadweep, Maldives, Comorin area, Gulf of Mannar; **wind speed reaching 40-50 kmph gusting to 60 kmph** over Andaman Sea and adjoining South Bay of Bengal. Fishermen are advised not to venture into these seas.
 - **22nd October: Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) very likely over along & off Lakshadweep, Maldives, Comorin area, Gulf of Mannar and adjoining Southeast Arabian sea; **wind speed reaching 45-50 kmph gusting to 60 kmph** over Andaman sea and adjoining North, Eastcentral, Westcentral & Southeast Bay of Bengal. Fishermen are advised not to venture into these seas.
 - **23rd October: Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) very likely over along & off Lakshadweep, Maldives, Comorin area, Gulf of Mannar and adjoining Southeast Arabian sea; **wind speed reaching 50-60 kmph gusting to 70 kmph** over Andaman sea, Odisha-West Bengal coasts, North Bay of Bengal and

adjoining Central & Southeast Bay of Bengal. Fishermen are advised not to venture into these seas.

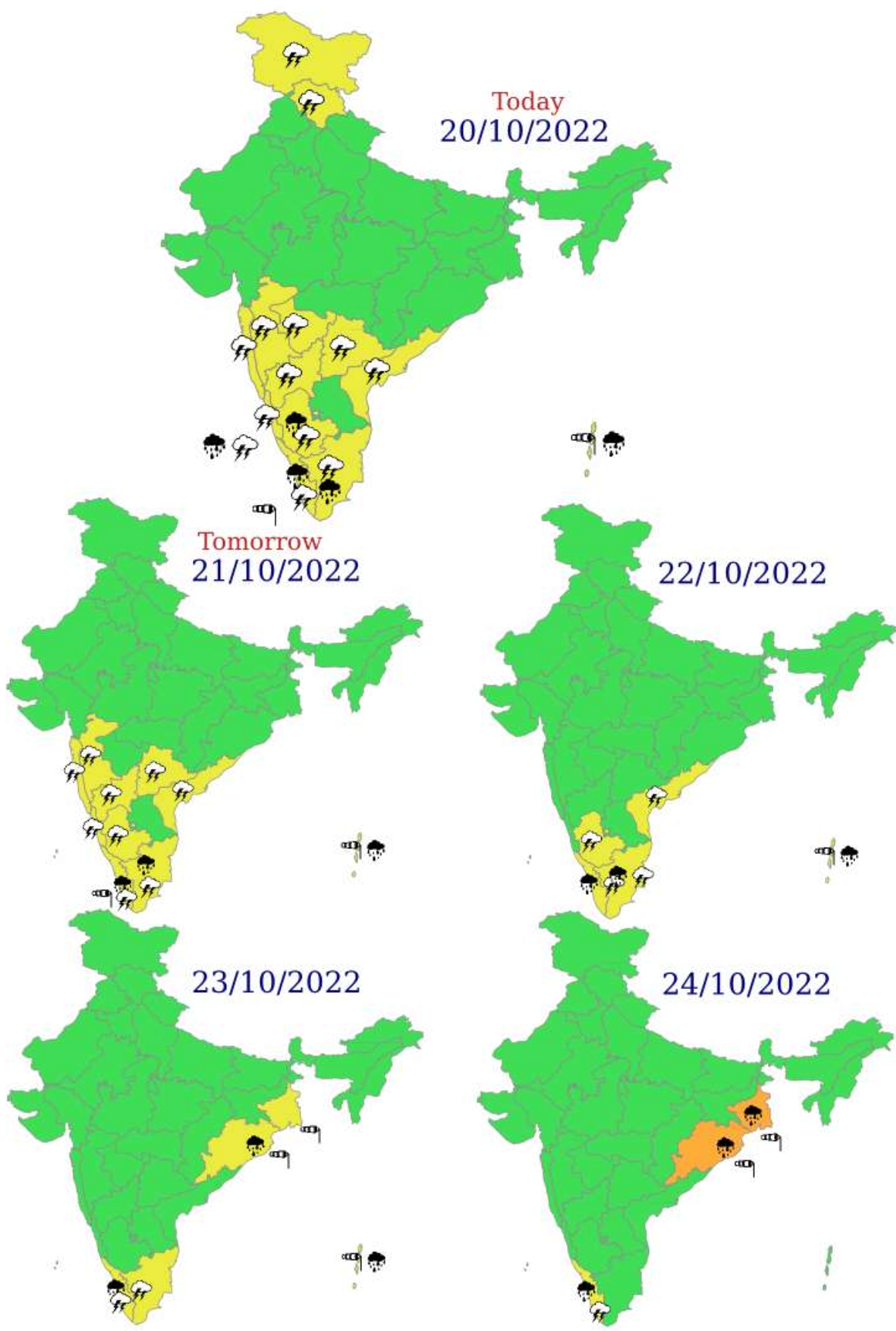
- **24th October:** **Squally weather** (wind speed 60-70 kmph gusting to 80 kmph) very likely over Odisha-West Bengal coasts, North Bay of Bengal and adjoining Central & Southeast Bay of Bengal. Fishermen are advised not to venture into these seas.
- **25th October:** **Squally weather** (wind speed 65-75 kmph gusting to 85 kmph) very likely over Odisha-West Bengal coasts, North Bay of Bengal and adjoining Central & Southeast Bay of Bengal. Fishermen are advised not to venture into these seas.

For more details kindly refer:
https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

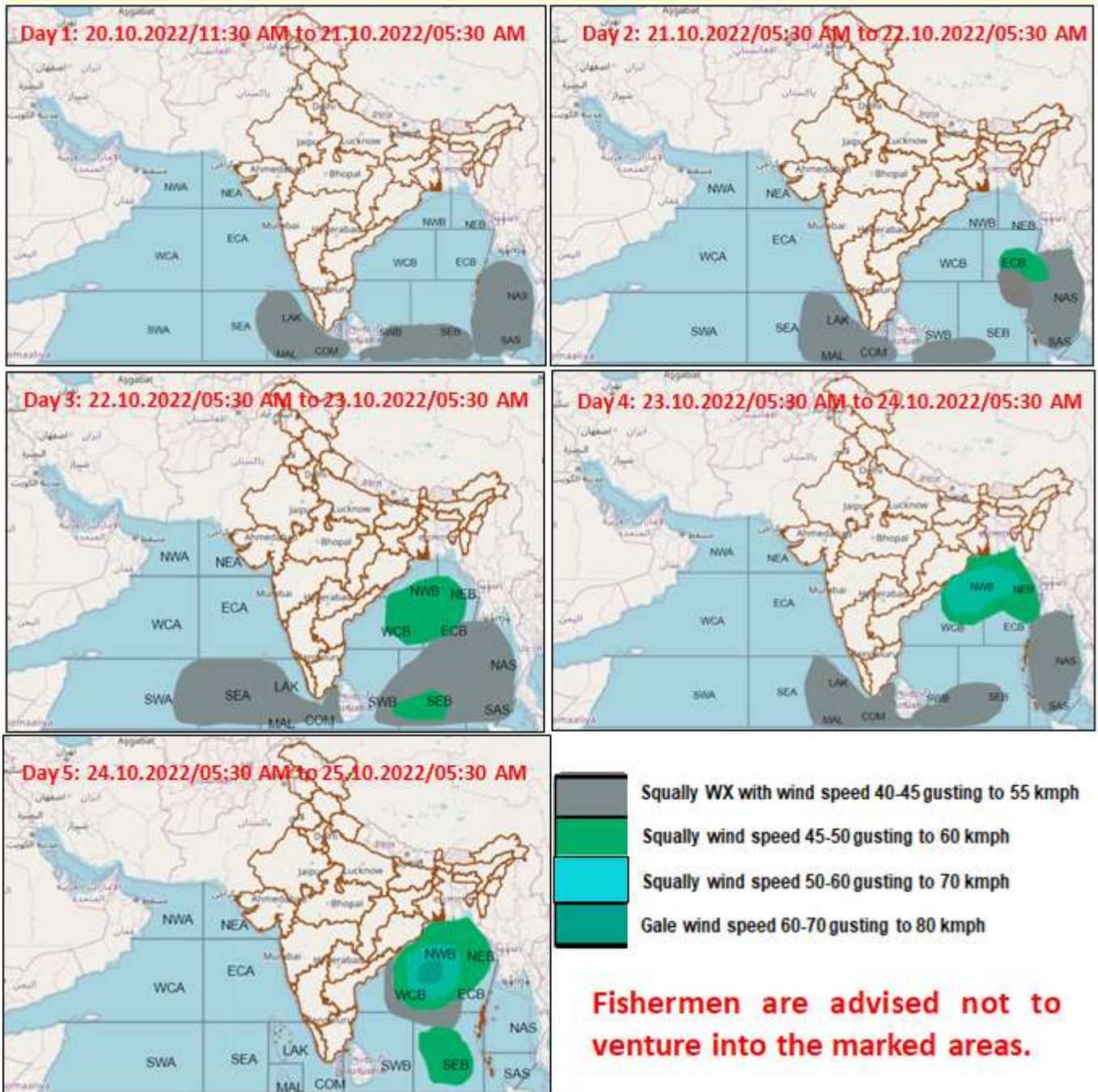
- ❖ **Isolated very heavy rainfall occurred** over Madhya Maharashtra and **heavy rainfall** over Kerala, Tamil Nadu, South Interior Karnataka and Telangana.

Rainfall (in cm):

- ❖ **Madhya Maharashtra:** Rahata (dist Ahmednagar) 15, Kopargaon (dist Ahmednagar) 7, Yeola (dist Nashik) 7, Savliviher_agri (dist Ahmednagar) 7.
- ❖ **Tamil Nadu:** Krishnagiri: Denkanikotai-10, Hosur-7; Ramanathapuram : Rameshwaram-10; Tiruchirappali-9; Tirupathur: Vaniyambadi-8; Salem-7; Thanjavur-7; Dindigul: Nathem-7; Namakkal-7; Coimbatore: Valprai-7.
- ❖ **South Interior Karnataka:** Bangaluru-8.
- ❖ **Telangana:** Hanumakonda: Dharmasagar-10; Jangaon: Raghunathpalle-8.
- ❖ **Kerala:** Wayanad: Mananthavady-8; Kannur: Irikkur-7.



Fishermen warning graphics



Legends:

Heavy Rain: 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4 mm.

Region wise classification of meteorological Sub-Divisions:

- 1) **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.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and 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)



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

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

