



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

Press Release

Date: 04th June, 2023

Time of Issue: 1315 hours IST

Subject: Heat wave conditions likely to continue over Bihar, northeast Jharkhand and West Bengal & Sikkim during next 5 days.

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

Advance of southwest monsoon:

- ❖ The Northern Limit of Southwest Monsoon continues to pass through 10°N/65°E, 9°N/70°E, Minicoy, 7°N/81°E, 11°N/87°E, 14°N/90°E, 17°N/93°E & 19°N/95°E. ([Annexure II](#)).

Significant Meteorological features:

- ❖ The Western Disturbance as a trough in middle tropospheric westerlies runs roughly along Long. 77°E and to the north of Lat. 24° and another Western Disturbance as a cyclonic circulation lies over Iran & neighbourhood.
- ❖ A cyclonic circulation lies over northwest Rajasthan & neighbourhood in lower tropospheric levels.
- ❖ A cyclonic circulation likely to develop over southeast Arabian Sea around 05th June. Under its influence a Low Pressure Area is likely to form over the same region during subsequent 48 hours.
- ❖ The cyclonic circulation over Eastcentral Bay of Bengal off Myanmar coast persists in middle tropospheric levels.

Forecast and warning over the country during next 5 days:

- ❖ Light/moderate scattered to fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely over Kerala, Lakshadweep, South Interior Karnataka and isolated to scattered activity over Tamil Nadu and Andhra Pradesh during next 5 days.
- ❖ Light/moderate isolated to scattered rainfall with thunderstorm/lightning/gusty winds very likely over Western Himalayan Region during next 5 days and over plains of northwest India on 04th and 05th June.
- ❖ **Hailstorm** with thunderstorm/lightning/gusty winds very likely over West Madhya Pradesh, Odisha and Madhya Maharashtra on 04th June.
- ❖ **Heavy rainfall** very likely at isolated places over Tamil Nadu, Puducherry & Karaikal, Kerala and Andaman & Nicobar Islands on 04th & 05th June.

Maximum Temperatures and Heat Wave warning (Graphics in Annexure III):

- ❖ Yesterday, **Maximum Temperatures** recorded in the range of 40-43°C over many parts of central, east & north Peninsular India.
- ❖ Yesterday, **Heat Wave to Severe Heat Wave conditions** prevailed in some pockets over East Bihar and Heat Wave conditions in some pockets over Sub-Himalayan West Bengal & Sikkim and **in isolated pockets** over Gangetic West Bengal. This is 4th day of Heat Wave conditions over the above areas.
- ❖ Rise in maximum temperatures by 3-5°C very likely over plains of Northwest India during next 5 days.
- ❖ **Heat wave to severe heat wave conditions** very likely to continue in some pockets over Bihar during 04th to 08th June.
- ❖ **Heat wave conditions** very likely to continue in isolated pockets over West Bengal & Sikkim and Northeast Jharkhand during 04th-08th June; over Coastal Andhra Pradesh & Yanam on 04th & 05th June; over Telangana during 04th to 6th June; over Vidarbha during 06th to 08th June and over East Uttar Pradesh 07th & 08th June.
- ❖ Due to humid air & high temperature, **Hot and Discomfort weather** is very likely over Odisha and Tamilnadu on 03rd & 04th June.

No significant weather is likely over rest parts of the country during next 5 days.

For more details kindly refer:

https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

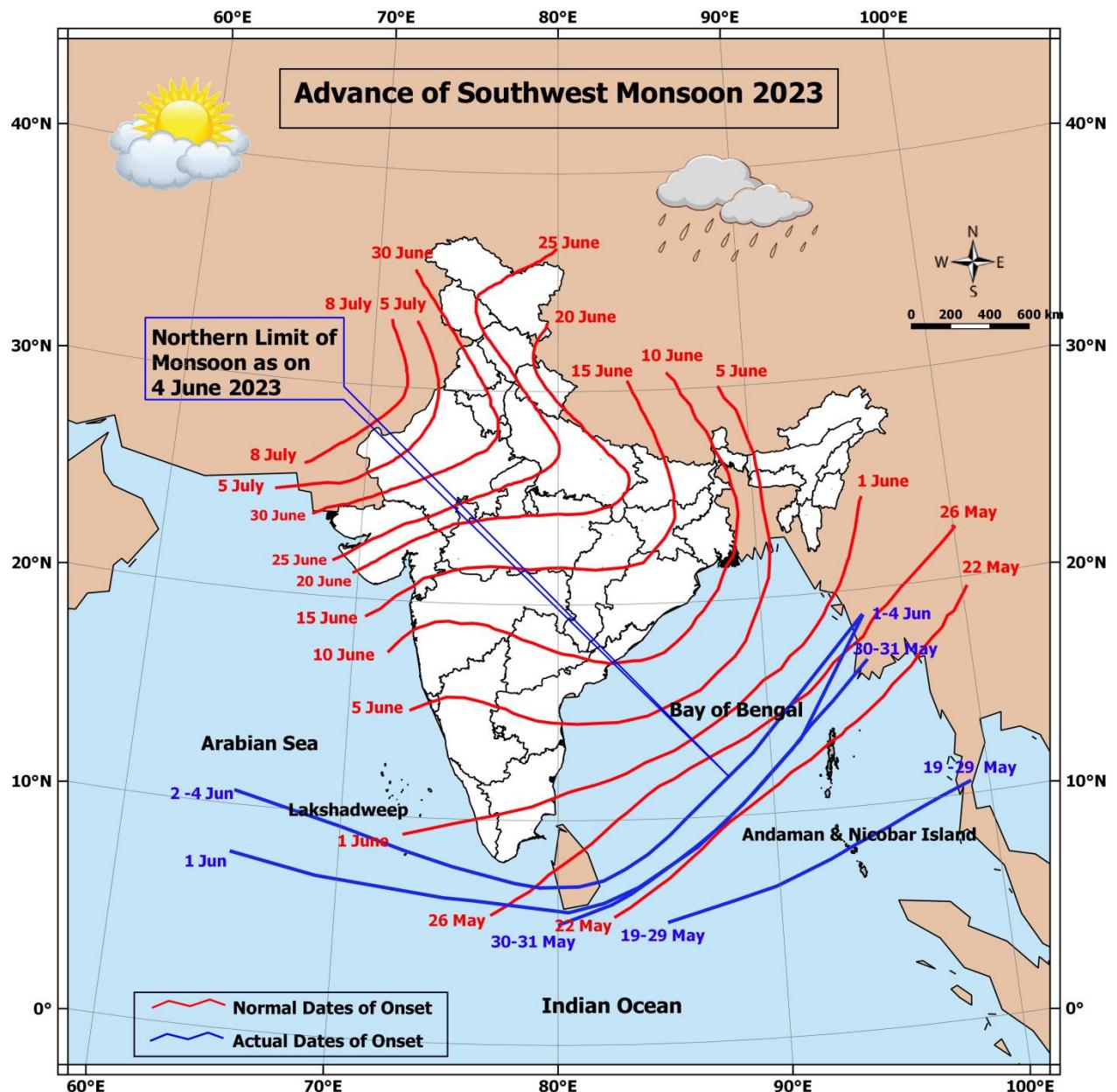
<https://mausam.imd.gov.in/responsive/districtWiseNowcast.php>

Annexure I

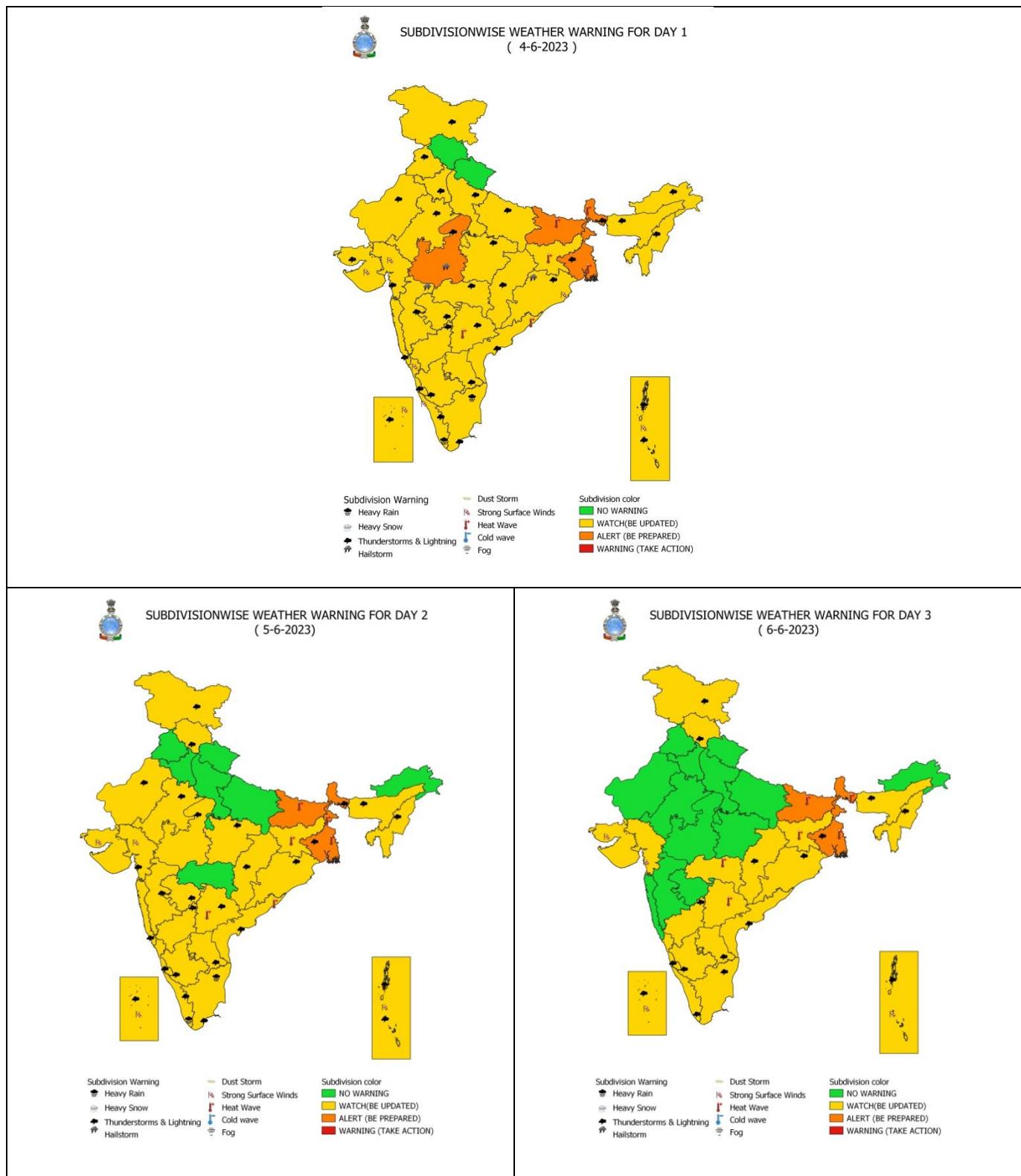
Weather Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):

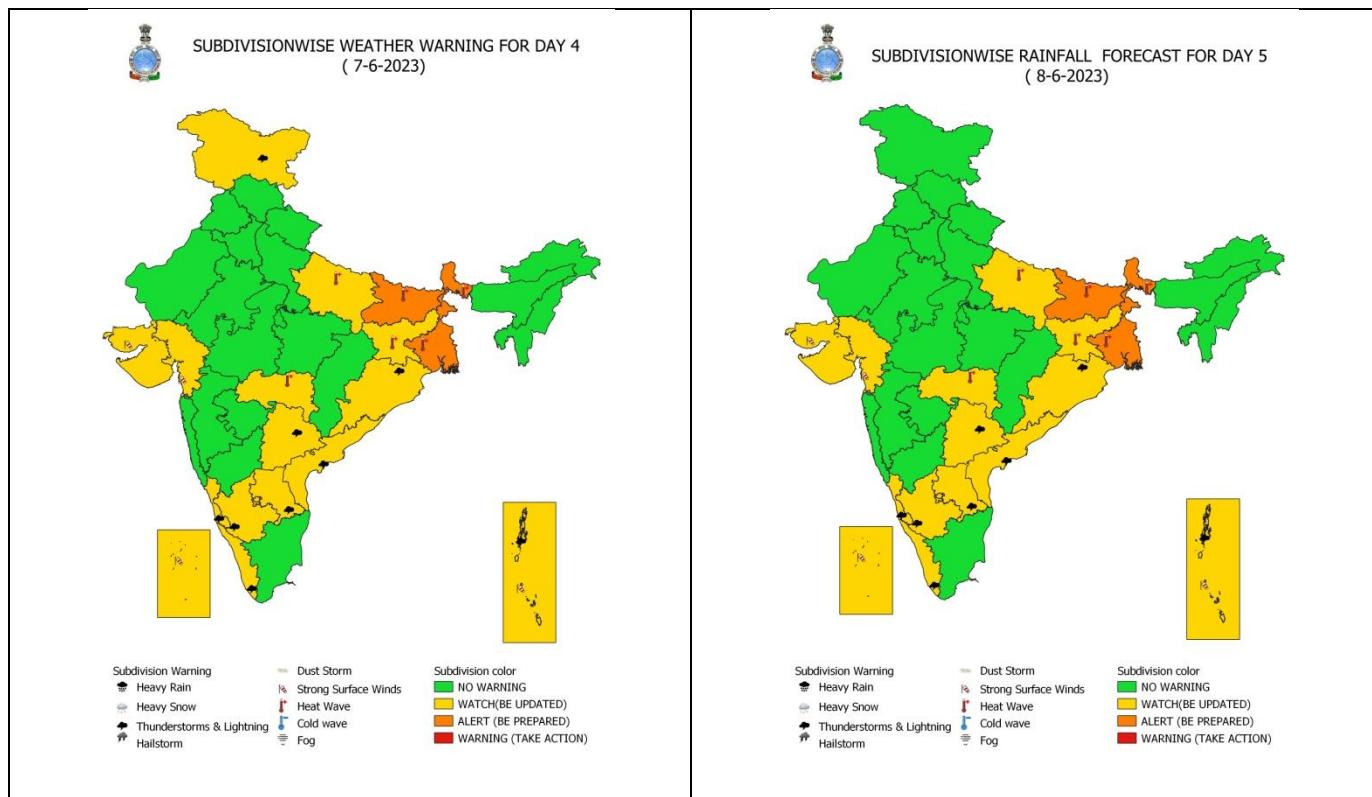
- **Rainfall/thundershowers** observed **at most places** over West Rajasthan, Andaman & Nicobar Islands; **at many places** over Sub-Himalayan West Bengal & Sikkim; **at a few places** over East Rajasthan, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Kerala & Mahe and Lakshadweep and **at isolated places** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Madhya Pradesh, Vidarbha, Gangetic West Bengal, Odisha, Jharkhand, Assam & Meghalaya, Konkan & Goa, Madhya Maharashtra, Gujarat Region, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema . Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.
- **Heavy rainfall observed** at isolated places over East Rajasthan, Rayalaseema and Kerala.
- **Significant rainfall recorded (in cm):** **Kerala:** Venkurinji AWS (Pathanamthitta district) 11, Kollam & Chavara AWS (Kollam district) 7 each, **Rayalaseema:** Kadiri (dist Sri Sathyasai District) 7, **Tamil Nadu:** Perundurai (dist Erode) 5, Hogenekal (dist Dharmapuri) 4, **South Interior Karnataka:** Napoklu (dist Kodagu) 5, **Rajasthan:** Bonli (dist Sawai Madhopur) 6, Chittorgarh (dist Chittorgarh) 4, Rashmi Sr (dist Chittorgarh) 4, Mavli (dist Udaipur) 4, Kumbhalgarh Sr (dist Rajsamand) 4, Sumerpur Sr (dist Pali) 5, Garsana Sr (dist Sri Ganganagar) 5, Shergarh (dist Jodhpur) 5, Pokhran (dist Jaisalmer) 4, **West Madhya Pradesh:** Kurwai (dist Vidisha) 4, Badoda (dist Sheopur) 4, **Sub-Himalayan west Bengal:** Jalpaiguri-4; **Odisha:** Keonjhargarh (dist Keonjhargarh) 4; **Arunachal Pradesh:** Bhalukpong (dist West Kameng) 5, **Assam:** Silapathar Arg (dist Dhemaji) 5, **Andaman & Nicobar Islands:** Hut Bay-3.
- **Hailstorm observed** at isolated places over Odisha, West Rajasthan and Madhya Pradesh.

Annexure II

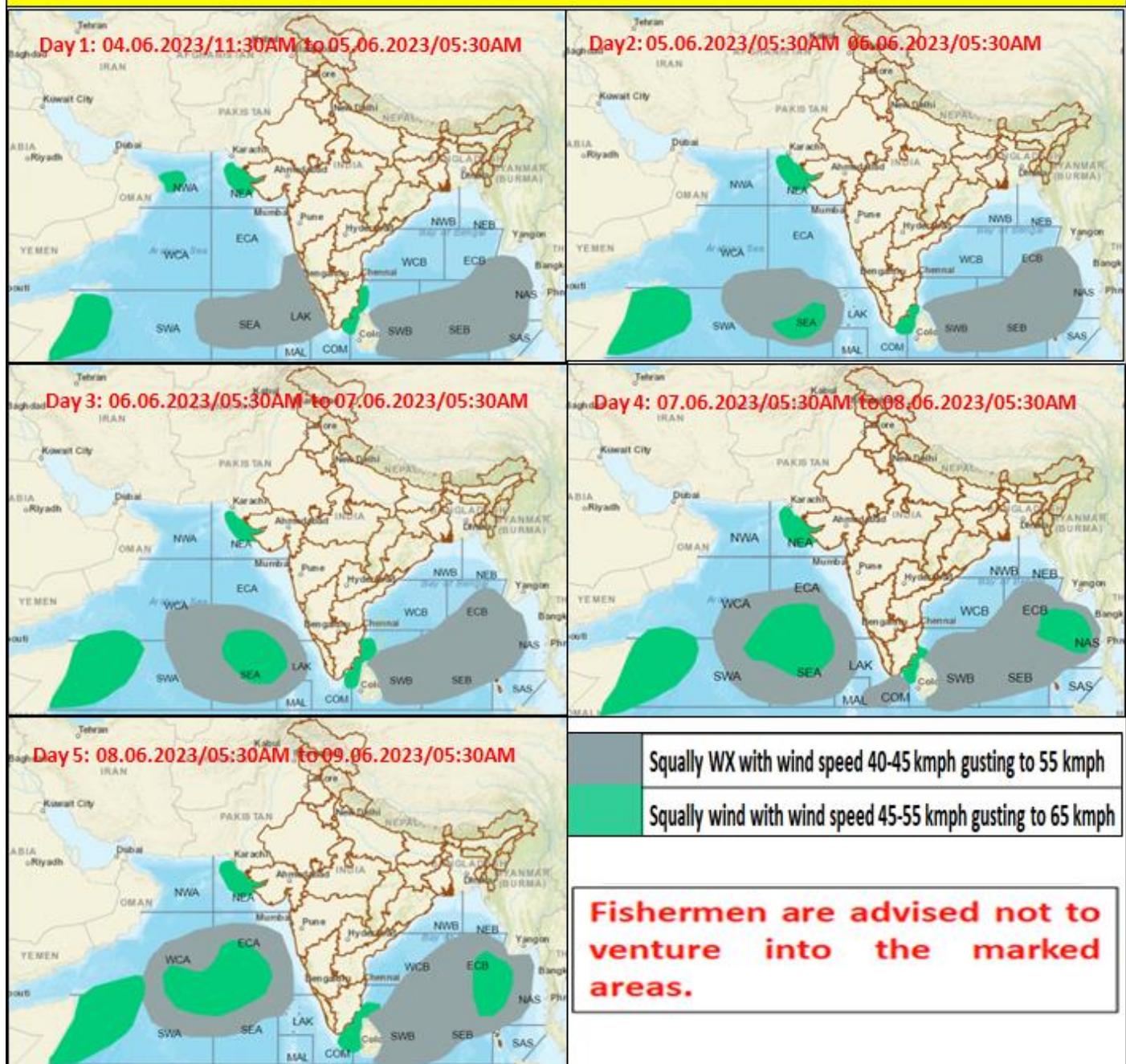


Annexure III





Fishermen warning graphics



Legends:

- ❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **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-Himalaya 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 Marathwada.
 - **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamilnadu, 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 Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)

Subdivision Warning	Dust Storm	Subdivision color
Heavy Rain	Strong Surface Winds	NO WARNING
Heavy Snow	Heat Wave	WATCH(BE UPDATED)
Thunderstorms & Lightning	Cold wave	ALERT (BE PREPARED)
Hailstorm	Fog	WARNING (TAKE ACTION)

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