



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

**Press Release  
Date: 25<sup>th</sup> October, 2023  
Time of Issue: 1245 hours IST**

**Subject:**

**(i) Cyclone “Hamoon” (pronounced as Hamoon) crossed Bangladesh coast to the south of Chittagong near latitude 21.9°N and longitude 91.9°E between 0130 hours IST & 0230 hours IST of today, the 25<sup>th</sup> October as a Cyclonic Storm with wind speed of 75-85 kmph gusting to 95 kmph.**

**(ii) No significant weather over the country during next 5 days except over extreme south peninsular and Northeast India.**

**Rainfall recorded during past 24 hours till 0830 hours IST of today (25<sup>th</sup> Oct. 2023): (Annexure I)**

**Significant Weather features:**

- ❖ Yesterday’s **Very Severe Cyclonic Storm “Hamoon” (pronounced as Hamoon)** over Northwest & adjoining Northeast Bay of Bengal moved nearly northeastwards and weakened into a Severe Cyclonic Storm at 1730 hours IST of yesterday over the same region; weakened further into a Cyclonic Storm.
  - It crossed Bangladesh coast to the south of Chittagong near latitude 21.9°N and longitude 91.9°E between 0130 hours IST & 0230 hours IST of today, the 25<sup>th</sup> October as a Cyclonic Storm with wind speed of 75-85 kmph gusting to 95 kmph.
  - It further **weakened into a Deep Depression and lay centered at 0830 hours IST of 25<sup>th</sup> October** over southeast Bangladesh & adjoining Mizoram near latitude 22.4°N and longitude 92.4°E, about 60 km east of Chittagong (Bangladesh) and 150 km south-southeast of Aizawl (Mizoram). It is very likely to move northeastwards and weaken further into a Depression during next 06 hours and into a Well Marked Low Pressure Area during subsequent 06 hours. **(Refer Annexures III, IV & V)**
  
- ❖ Yesterday’s **Severe Cyclonic Storm “Tej” (pronounced as Tej)** over Yemen coast moved west-northwestwards and weakened into a Cyclonic Storm at 1130 hours IST; into a Deep Depression at 1430 hours IST; into a Depression at 1730 hours IST and into a Well Marked Low Pressure Area at 2030 hours IST of yesterday, the 25<sup>th</sup> October. It further moved west-northwestwards and weakened into a **Low Pressure Area** at 0530 hours IST of today, the 25<sup>th</sup> October over the same region with an associated cyclonic circulation extending upto middle tropospheric levels. This system has now become unimportant.

## Weather forecast & warnings for next 5 days: (Graphics in Annexure II)

### South India:

- ❖ Light to moderate rainfall at many places with thunderstorm, lightning & gusty winds very likely over Kerala & Mahe during next 5 days. Isolated heavy rainfall also very likely on 25<sup>th</sup> & 29<sup>th</sup> October.
- ❖ Light to moderate rainfall at some places with isolated heavy rainfall accompanied with thunderstorm & lightning likely over Tamil Nadu on 29<sup>th</sup> October.

### Northeast India:

**Manipur, Mizoram & Tripura and south Assam & Meghalaya:** Light to moderate rainfall is very likely at many places over the above region with isolated **heavy rainfall** over Mizoram on 25<sup>th</sup> October. Light to moderate rainfall is very likely at many places over Nagaland, Manipur and east Arunachal Pradesh on 25<sup>th</sup> & 26<sup>th</sup> October.

## Weather warnings in association with the Deep Depression [remnant of Cyclonic Storm “Hamon” (pronounced as Hamoon)] over southeast Bangladesh & adjoining Mizoram:

### (i) Rainfall Warning:

**Manipur, Mizoram & Tripura and south Assam & Meghalaya:** Light to moderate rainfall is very likely at many places over the above region with isolated **heavy rainfall** over Mizoram on 25<sup>th</sup> October. Light to moderate rainfall is very likely at many places over Nagaland, Manipur and east Arunachal Pradesh on 25<sup>th</sup> & 26<sup>th</sup> October.

### (ii) Wind warning (Graphics in Annexure VI):

- **Northeast Bay of Bengal: Squally wind** speed reaching **50-60 kmph gusting to 70 kmph** is prevailing and likely to decrease gradually becoming **35-45 kmph gusting to 55 kmph** by 25<sup>th</sup> evening and would decrease thereafter.
- **Along & off Bangladesh and north Myanmar coasts: Squally wind** speed reaching **50-60 kmph gusting to 70 kmph** is prevailing **along & off Bangladesh and adjoining north Myanmar coast** and likely to decrease gradually become **35-45 kmph gusting to 55 kmph** by 25<sup>th</sup> evening and would decrease further thereafter.
- **Mizoram, Tripura, south Assam and Manipur: Squally wind** speed reaching **30-40 kmph gusting to 50 kmph** is likely to prevail over Mizoram and Tripura and Strong wind speed reaching **25-35 kmph gusting to 45 kmph** over Manipur on 25<sup>th</sup> October.

### (iii) Sea Condition

**Northeast Bay of Bengal and along & off Bangladesh & adjoining north Myanmar coasts:** **Very rough to rough sea condition** would prevail during next 06 hours and would improve thereafter.

### (iv) Fishermen Warning (Graphics in Annexure VI):

Fishermen are advised not to venture into **Northeast Bay of Bengal and along & off Bangladesh & north Myanmar coasts** till 25<sup>th</sup> October evening.

(Kindly visit <https://rsmcnewdelhi.imd.gov.in/index.php?lang=en> for detailed forecast & warnings regarding the above cyclonic disturbance.)

**No significant weather likely over rest parts of the country.**

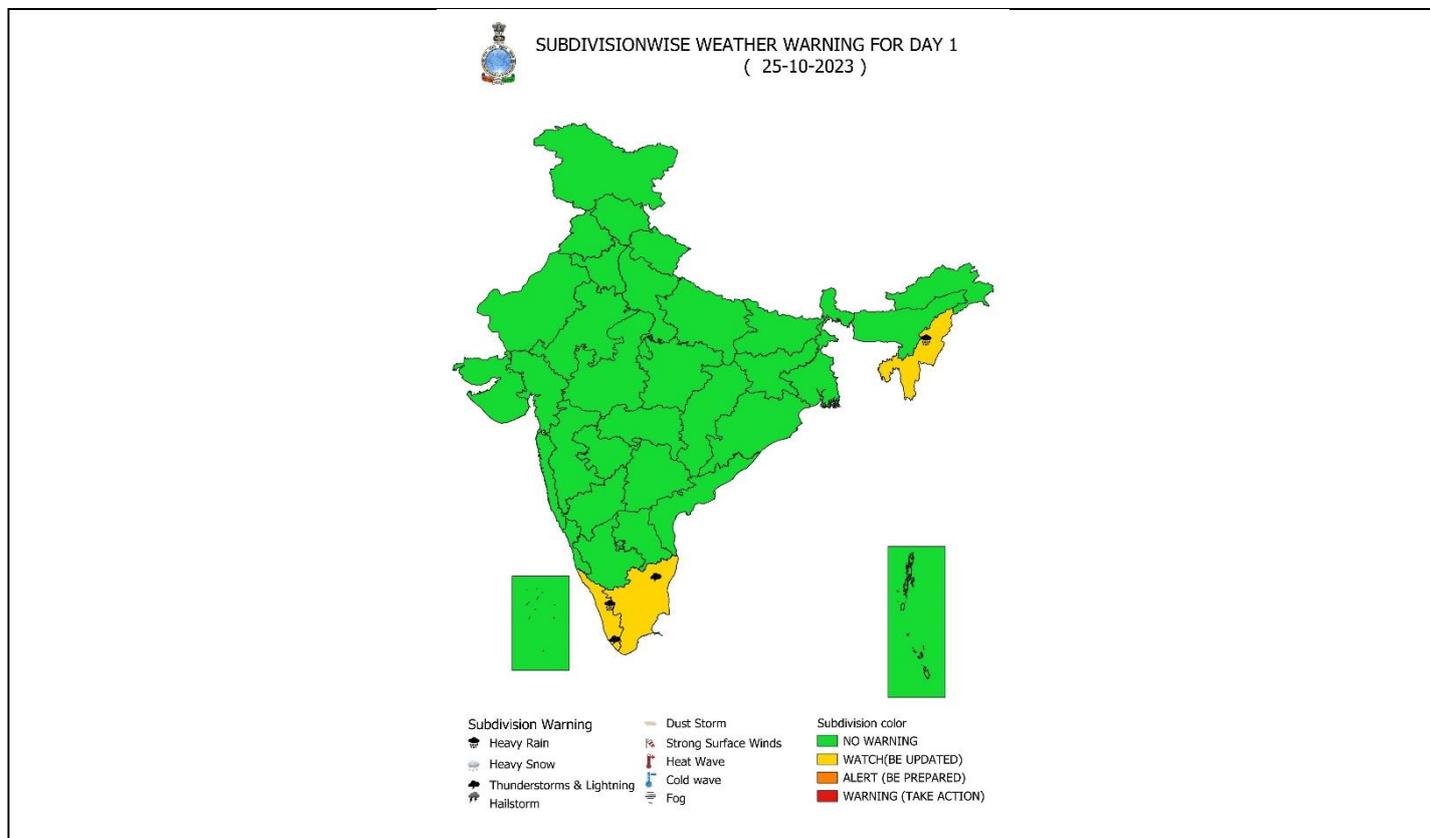
For more details kindly refer: <https://mausam.imd.gov.in/responsive/all india forecast bulletin.php>

## Annexure I

**Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 25<sup>th</sup> October, 2023):**

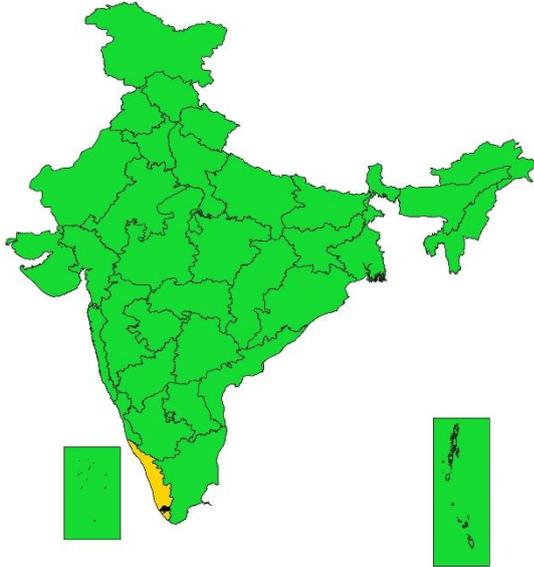
- ❖ **Heavy rainfall recorded** at isolated places over Kerala.
- ❖ **Significant rainfall recorded (in cm):**
  - **Kerala & Mahe:** Kayamkulam (dist Alapuzha) 10, Kayamkulam\_Agri (dist Alapuzha) 10, Piravam (dist Ernakulam) 9, Myladumpara\_agri (dist Idukki) 9, Pampadumpara Aws (dist Idukki) 8, Neeleswaram Arg (dist Ernakulam) 7, Kottayam (dist Kottayam) 7, Thycauttussery Aws (dist Alapuzha) 5, Karumadi Aws (dist Alapuzha) 5, Vadavathur Aws (dist Kottayam) 5, Odakali Aws (dist Ernakulam) 5, Idamalayar Dam Aws (dist Ernakulam) 5, Vyanthala Arg (dist Thrissur) 5, Peringalkuthu Aws (dist Thrissur) 5;
  - **Tamil Nadu:** Bodinaickanur (dist Theni) 5.

## Annexure II





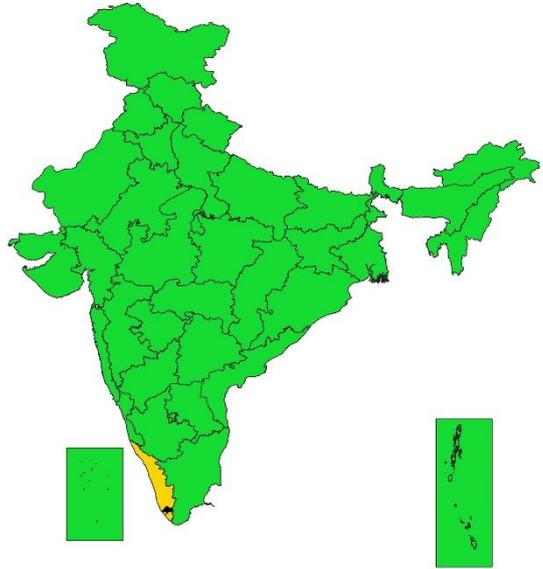
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 2  
( 26-10-2023)**



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <b>Subdivision Warning</b> | Dust Storm           | <b>Subdivision color</b> |
| 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)    |



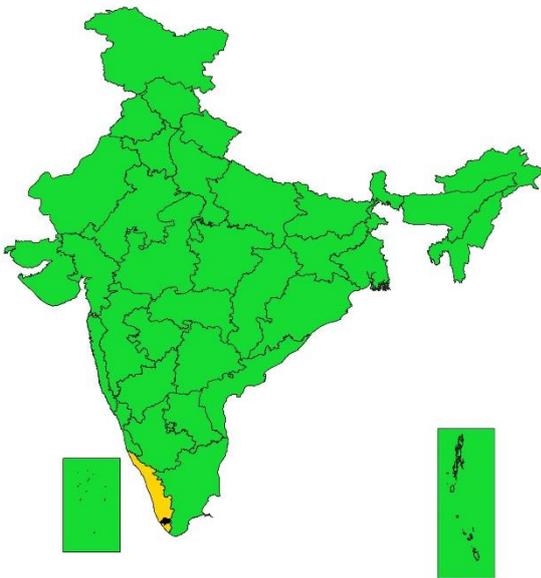
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 3  
( 27-10-2023)**



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <b>Subdivision Warning</b> | Dust Storm           | <b>Subdivision color</b> |
| 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)    |



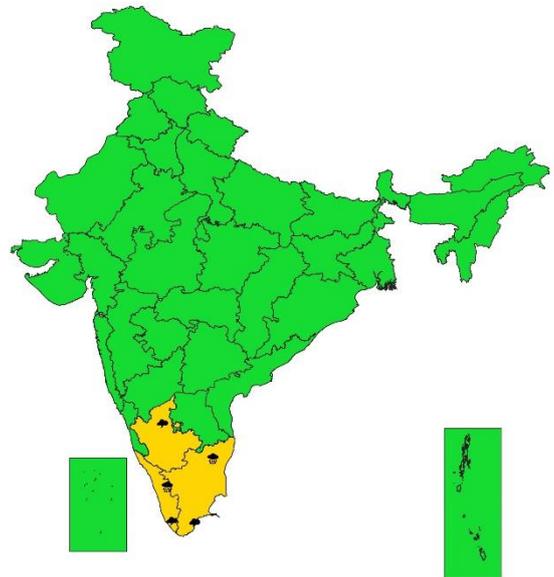
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 4  
( 28-10-2023)**



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <b>Subdivision Warning</b> | Dust Storm           | <b>Subdivision color</b> |
| 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)    |



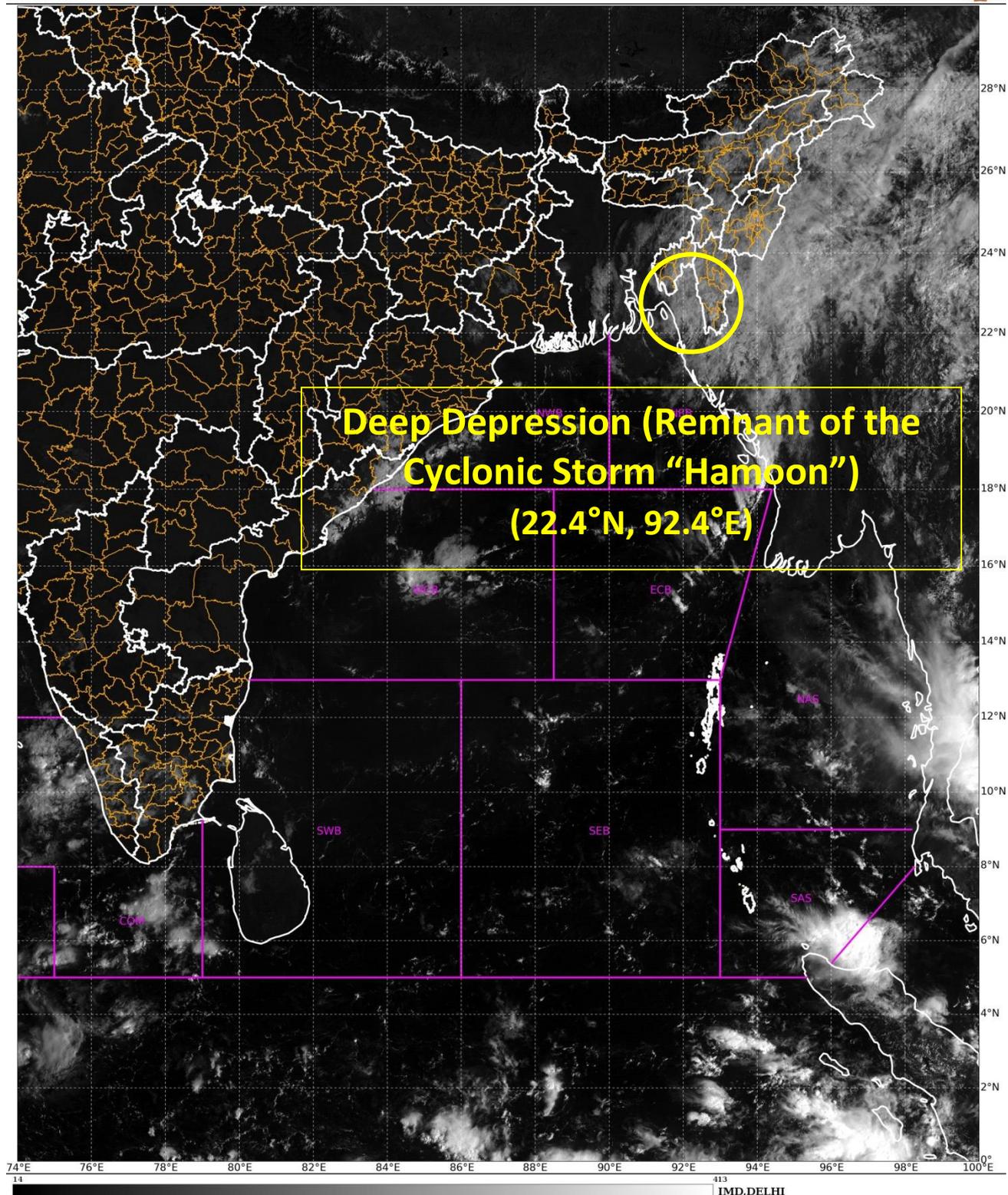
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 5  
( 29-10-2023)**



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <b>Subdivision Warning</b> | Dust Storm           | <b>Subdivision color</b> |
| 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)    |

SAT : INSAT-3D IMG  
Visible Count 0.65 um  
LIC Mercator

25-10-2023/(0230 to 0256) GMT  
25-10-2023/(0800 to 0826) IST





**OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEEP DEPRESSION (REMNANT OF CYCLONIC STORM HAMOON) OVER SOUTHEAST BANGLADESH & ADJOINING MIZORAM BASED ON 0300 UTC (0830 IST) OF 25<sup>TH</sup> OCTOBER 2023.**



DATE/TIME IN UTC

IST=UTC + 0530

L: LOW PRESSURE AREA

WML: WELL MARKED LOW PRESSURE AREA

D: DEPRESSION (17-27 KT)

DD: DEEP DEPRESSION (28-33 KT)

CS: CYCLONIC STORM (34-47 KT)

SCS: SEVERE CYCLONIC STORM (48-63KT)

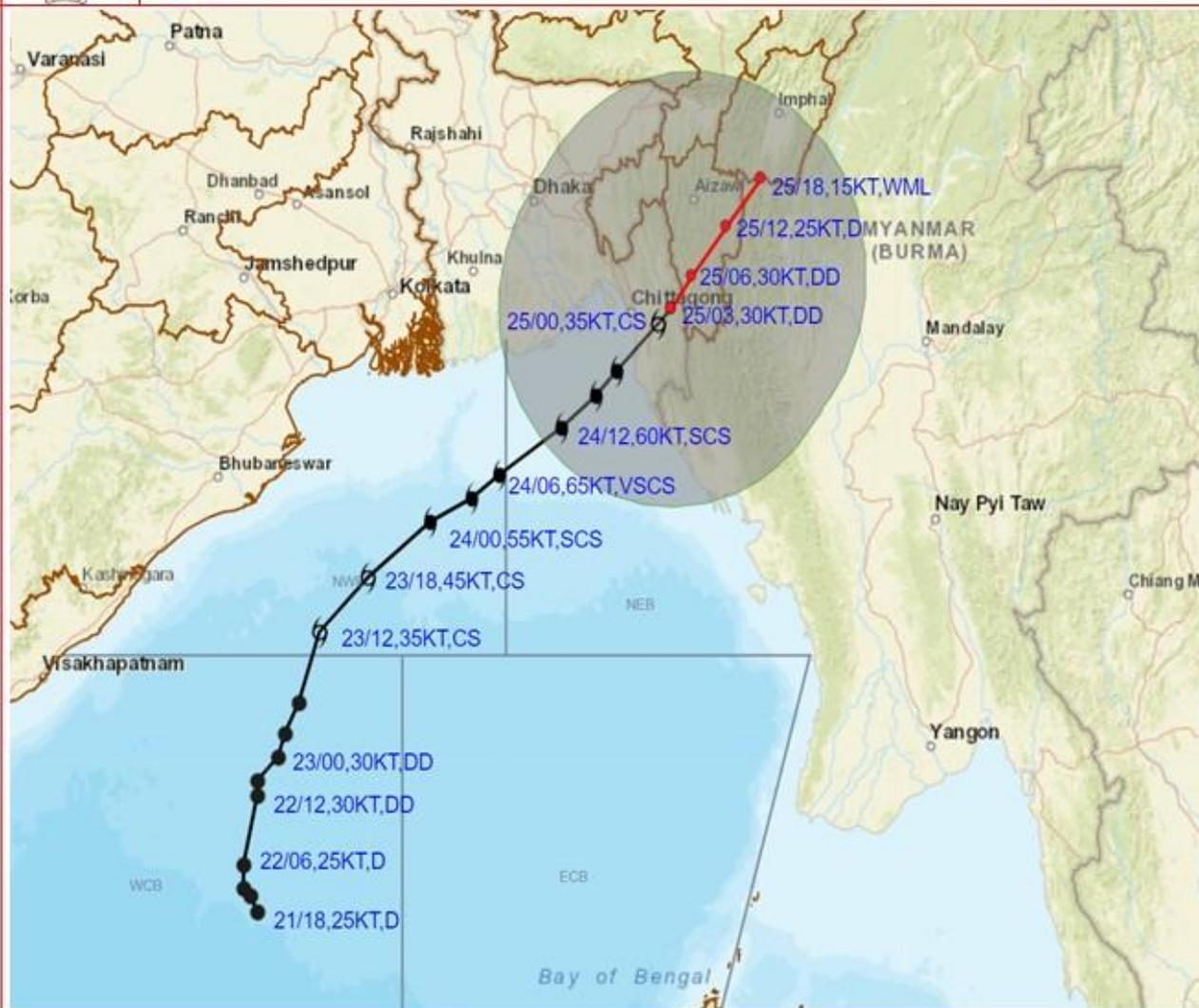
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)

ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

-  LESS THAN 34 KT
-  34-47 KT
-  ≥ 48 KT
-  OBSERVED TRACK
-  FORECAST TRACK
-  CONE OF UNCERTAINTY

 **OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEEP DEPRESSION (REMNANT OF CYCLONIC STORM HAMOON) OVER SOUTHEAST BANGLADESH & ADJOINING MIZORAM BASED ON 0300 UTC (0830 IST) OF 25<sup>TH</sup> OCTOBER 2023.**

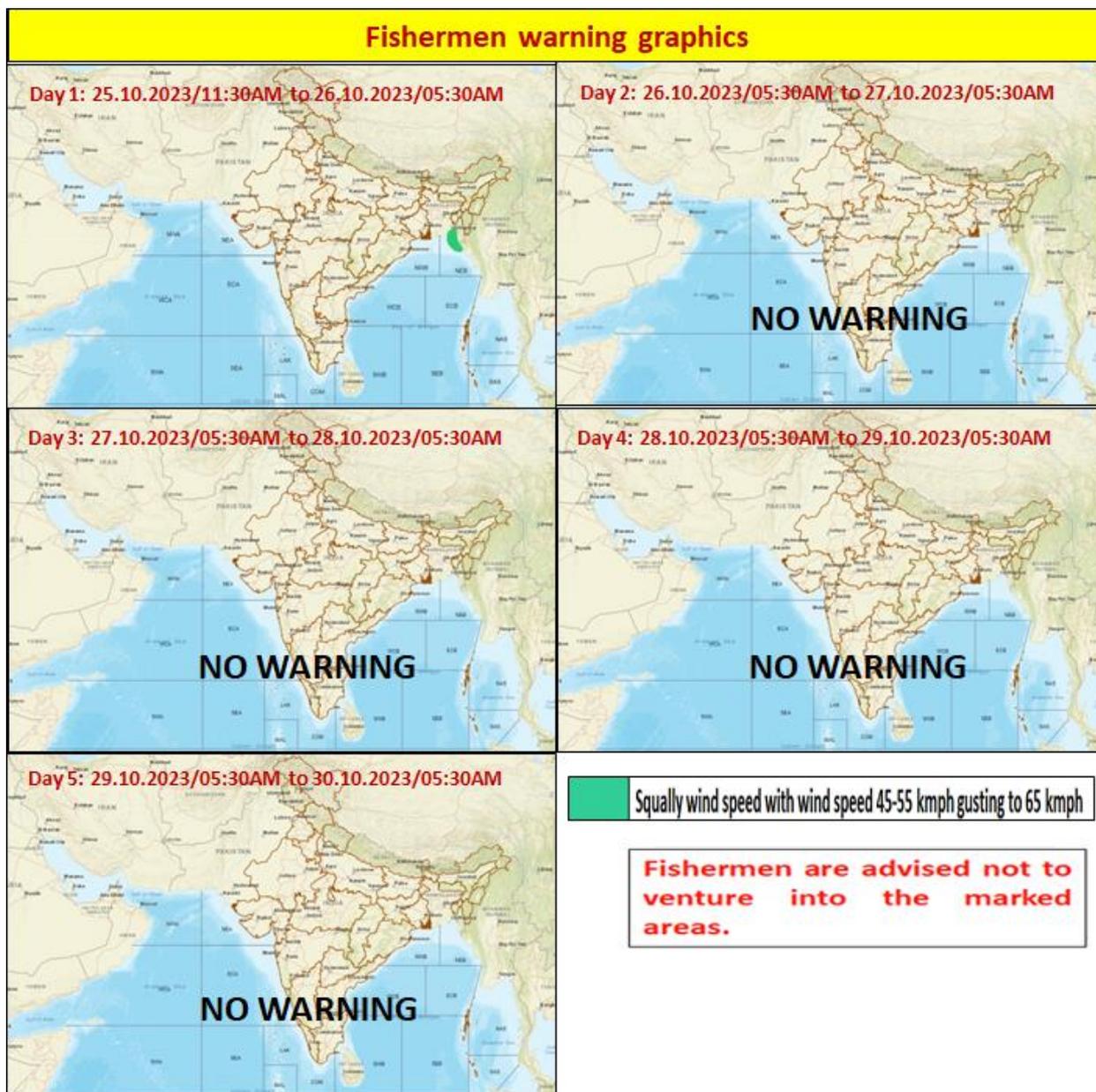


DATE/TIME IN UTC  
 IST=UTC + 0530  
 L: LOW PRESSURE AREA  
 WML: WELL MARKED LOW PRESSURE AREA  
 D: DEPRESSION (17-27 KT)  
 DD: DEEP DEPRESSION (28-33 KT)  
 CS: CYCLONIC STORM (34-47 KT)  
 SCS: SEVERE CYCLONIC STORM (48-63KT)  
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)  
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)  
 SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

● LESS THAN 34 KT  
 ○ 34-47 KT  
 ⊙ ≥ 48 KT  
 — OBSERVED TRACK  
 — FORECAST TRACK  
 ■ CONE OF UNCERTAINTY  
 AREA OF MAXIMUM SUSTAINED WIND SPEED:  
 ■ 28-33 KT (52-61 KMPH)  
 ■ 34-49 KT (62-91 KMPH)  
 ■ 50-63 KT (92-117 KMPH)  
 ■ ≥ 64 KT (≥118 KMPH)

**IMPACT OVER THE SEA**

MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations



**Legends:**

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

Flash Flood Risk	
	High Risk (Take Action)
	Moderate Risk (Be Prepared)
	Low Risk (Be Updated)