



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

**Press Release**  
**Date: 08<sup>th</sup> May, 2022**  
**Time of Issue: 1230 hrs IST**

**Subject:**

- i) Cyclonic Storm 'ASANI' over southeast Bay of Bengal**
- ii) Fresh spell of Heat wave conditions likely to commence over Northwest & Central India from 09<sup>th</sup> May, 2022.**

**Weather observed during past 24 hours:**

- ✓ **Maximum Temperatures** (as on 07/05/2022) were **42-44°C** over many parts of Vidarbha, West Madhya Pradesh, Rajasthan, Telangana; in isolated pockets of north Madhya Maharashtra and **40-42°C** over most parts of East Madhya Pradesh, Gujarat State, Rayalaseema; in some parts of south Haryana, Marathwada, south Madhya Maharashtra & and in isolated pockets of southeast Uttar Pradesh, Jharkhand, Chhattisgarh, northern Tamil Nadu and interior parts of Odisha.
- ✓ **Chief amount of rainfall (in cm): Andaman-Nicobar Islands:** North & Middle Andaman: Long Island-9, Maya Bandar-6; **Tamilnadu:** Tiruppur: Palladam-5
- ✓ Isolated **heavy rainfall** observed over Andaman-Nicobar Islands.
- ✓ **Thundersquall** reported at isolated places over Andaman & Nicobar Islands.

**Maximum Temperature forecast and Heat Wave warning:**

- ✓ Rise in maximum temperatures by 2-3°C very likely over many parts of Northwest India during next 3 days and no significant change thereafter.
- ✓ No significant change in maximum temperatures very likely over rest parts of the country.

**Heat wave conditions:**

**Heat Wave conditions** very likely in isolated/some pockets over:

- ✓ Rajasthan during 08<sup>th</sup>-12<sup>th</sup> May
- ✓ North Madhya Maharashtra on 08<sup>th</sup> & 09<sup>th</sup> May
- ✓ Vidarbha & West Madhya Pradesh during 09<sup>th</sup>-12<sup>th</sup> May
- ✓ south Haryana-Delhi & south Punjab during 10<sup>th</sup>-12<sup>th</sup> May, 2022.

**Rainfall/thunderstorm Forecast & Warnings:**

Yesterday's **depression** over Southeast Bay of Bengal & adjoining Andaman Sea, concentrated into a **deep depression** in the evening of yesterday (07 May, 2022) and into a **cyclonic storm 'Asani' (pronounced as Asani)** over Southeast Bay of Bengal on today. It lay centred at 0830 hours IST of today, the 08<sup>th</sup> May, over Southeast Bay of Bengal near latitude 11.4°N and longitude 89.1°E, about 480 km west-northwest of Car Nicobar (Nicobar Islands), 400 km west of Port Blair (Andaman Islands), 940 km southeast of Visakhapatnam (Andhra Pradesh) and 1000 km south-southeast of Puri (Odisha).

It is very likely to move northwestwards and intensify further into a **Severe Cyclonic Storm** over eastcentral Bay of Bengal during next 12 hours. It is very likely to continue to move northwestwards till 10<sup>th</sup> May evening and reach Westcentral and adjoining Northwest Bay of Bengal off North Andhra Pradesh & Odisha coasts. Thereafter, it is very likely to recurve north-northeastwards and move towards Northwest Bay of Bengal off Odisha coast.

### **Warnings associated with Cyclonic Storm 'Asani':**

#### **(i) Rainfall warning (warning graphics enclosed)**

**10<sup>th</sup> May:** Light to moderate rainfall at a few places with **heavy rainfall** at isolated places is likely over coastal Odisha and adjoining areas of north coastal Andhra Pradesh from 10<sup>th</sup> evening.

**11<sup>th</sup> May:** Light to moderate rainfall at a few places with **heavy rainfall** at isolated places is likely over coastal Odisha and adjoining coastal areas of north Andhra Pradesh and West Bengal.

**12<sup>th</sup> May:** Light to moderate rainfall likely at a few places with **heavy rainfall** at isolated places is likely over coastal areas of Odisha and West Bengal.

#### **(ii) Wind warning**

**8<sup>th</sup> May:** Gale wind speed reaching 70-80 kmph gusting to 90 kmph is likely to prevail over Southeast & adjoining Eastcentral Bay of Bengal and would gradually increase reaching 95-105 kmph gusting to 115 kmph over the same region during 8<sup>th</sup> May night. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely over Andaman Islands.

**9<sup>th</sup> May:** Gale wind speed reaching 105-115 kmph gusting to 125 kmph is likely to prevail over central parts of Bay of Bengal.

**10<sup>th</sup> May:** Gale wind speed reaching 95-105 kmph gusting to 115 kmph is likely to prevail around the system center over Westcentral and adjoining Northwest Bay of Bengal. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely along and off north Andhra Pradesh coast.

**11<sup>th</sup> May:** Gale wind speed reaching 80-90 kmph gusting to 100 kmph is likely to prevail over northwest and adjoining Westcentral Bay of Bengal. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely along and off Odisha and adjoining north Andhra Pradesh coasts.

**12<sup>th</sup> May:** Gale wind speed reaching 60-70 kmph gusting to 80 kmph is likely to prevail over northwest Bay of Bengal. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely along and off Odisha coast.

#### **(iii) Sea condition**

**8<sup>th</sup> May:** Sea condition is very likely to become high to very high over Southeast & adjoining Eastcentral Bay of Bengal. The sea condition over Andaman Sea would gradually improve becoming rough.

**9<sup>th</sup> May:** Sea condition is likely to become high to very high over central parts of Bay of Bengal.

**10<sup>th</sup> May:** Sea condition is likely to become high to very high over Westcentral & adjoining Northwest and Eastcentral Bay of Bengal.

**11<sup>th</sup> May:** Sea condition is likely to become high to very high over Northwest and adjoining Westcentral Bay of Bengal.

**12<sup>th</sup> May:** Sea condition is likely to become high to very high over Northwest Bay of Bengal.

#### **(iv) Fishermen Warning (Graphics enclosed)**

- Fishermen are advised not to venture into Eastcentral & Southeast Bay of Bengal and adjoining Andaman Sea on 8<sup>th</sup> May.
- Fishermen are advised not to venture into central parts of Bay of Bengal on 09<sup>th</sup> & 10<sup>th</sup> May and over Northwest Bay of Bengal from 10<sup>th</sup> May to 12<sup>th</sup> May.
- Fishermen out at sea are advised to return to coast.

**(v) ACTION SUGGESTED for Andaman and Nicobar Islands on 08<sup>th</sup> May**

- Total suspension of fishing and tourism activities.
- 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.
- Regulate off-shore activities.

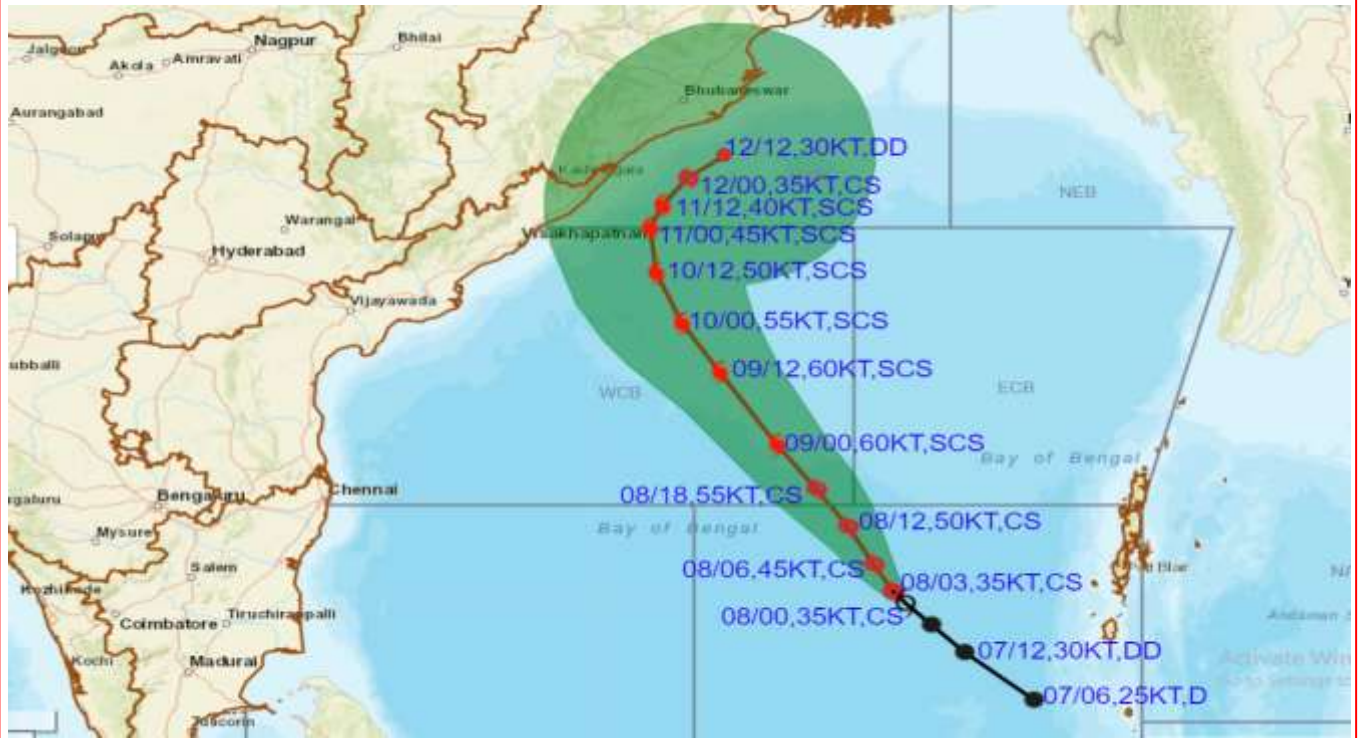
✓ **Rainfall warning for Northeast India:**

Fairly widespread to widespread light/moderate rainfall with thunderstorm/lightning/gusty winds very likely over Northeast India during next 5 days. Isolated **heavy falls** very likely over Arunachal Pradesh during 10<sup>th</sup>-12<sup>th</sup> and over Assam-Meghalaya & Mizoram-Tripura during 09<sup>th</sup>-12<sup>th</sup> May.

**For more details refer:** [https://mausam.imd.gov.in/imd\\_latest/contents/subdivisionwise-warning.php](https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php)



**FORECAST TRACK AND INTENSITY OF CYCLONIC STORM 'ASANI' ALONGWITH CONE OF UNCERTAINTY OVER SOUTHEAST BAY OF BENGAL BASED ON 0300 UTC OF 8<sup>TH</sup> MAY 2022**



**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

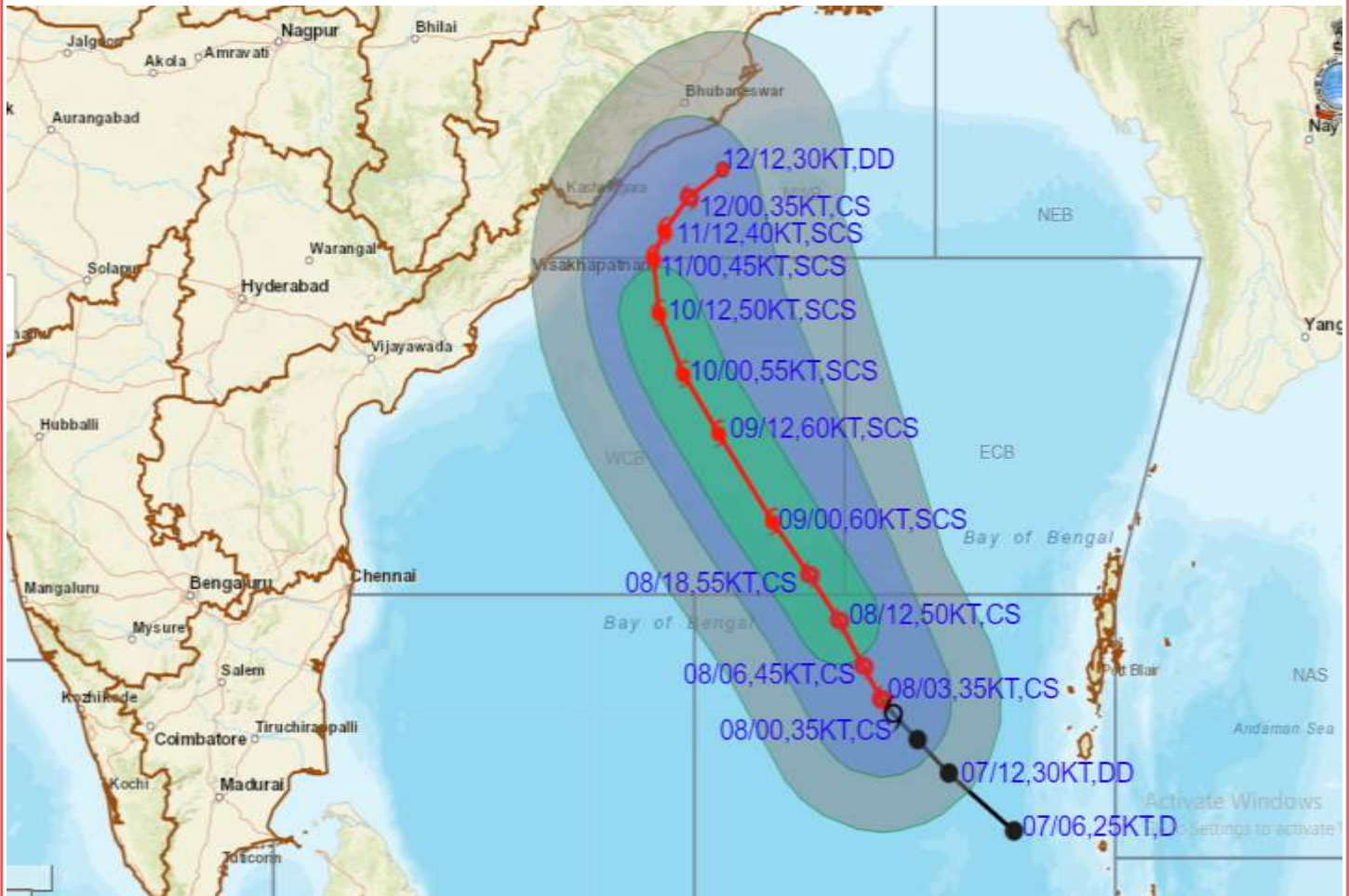
STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS		
	09.05.22/0000	10.05.22/0000	11.05.22/0000
CAR NICOBAR	820,NW	1100,NW	1280,NW
PORT BLAIR	650,WNW	910,NW	1060,NW
VISHAKHAPATNAM	590,SE	310,ESE	210,E
PURI	650,SSE	390,S	210,SSW

Forecast distance (km) and direction of the centre from nearest 5 coastal stations								
Forecast Date and Time	Lead Period	Lat	Lon	Station 1	Station 2	Station 3	Station 4	Station 5
08.05.22/0300	0	11.4	89.1	HUT BAY (388,WNW)	PORT BLAIR (396,W)	LONG ISLAND (433,WSW)	MAYA BANDAR (448,WSW)	CAR NICOBAR (479,WNW)
08.05.22/0600	3	11.9	88.8	PORT BLAIR (428,W)	LONG ISLAND (435,W)	MAYA BANDAR (453,WSW)	CAR NICOBAR (462,NW)	NANCOWRY (536,NW)
08.05.22/1200	9	12.6	88.4	LONG ISLAND (481,W)	MAYA BANDAR (492,W)	CAR NICOBAR (493,NW)	NANCOWRY (505,NW)	KONDUL (617,NW)
08.05.22/1800	15	13.3	87.9	MAYA BANDAR (546,W)	CAR NICOBAR (554,NW)	NANCOWRY (555,NW)	KONDUL (590,NW)	PATHEIN (690,WSW)
09.05.22/0000	21	14.1	87.3	CAR NICOBAR (580,NW)	NANCOWRY (585,NW)	KONDUL (588,NW)	PATHEIN (622,WSW)	VISHAKHAPATNAM/ WALTAIR (624,SE)
09.05.22/1200	33	15.4	86.4	NANCOWRY (406,NW)	KONDUL (417,NW)	PATHEIN (419,W)	VISHAKHAPATNAM/ WALTAIR (460,SE)	KALINGAPATAM (465,SE)
10.05.22/0000	45	16.3	85.8	KONDUL (287,NW)	PATHEIN (307,W)	VISHAKHAPATNAM/ WALTAIR (309,ESE)	KALINGAPATAM (344,SE)	VISHAKHAPATNAM (365,ESE)
10.05.22/1200	57	17.2	85.4	PATHEIN (184,W)	VISHAKHAPATNAM/ WALTAIR (229,ESE)	KALINGAPATAM (230,SE)	VISHAKHAPATNAM (236,ESE)	KAKINADA (293,E)
11.05.22/0000	69	18	85.3	VISHAKHAPATNAM/ WALTAIR (129,E)	KALINGAPATAM (148,ESE)	VISHAKHAPATNAM (208,E)	KAKINADA (214,ENE)	TUNI (215,ENE)
11.05.22/1200	81	18.4	85.5	KALINGAPATAM (116,E)	VISHAKHAPATNAM (145,ENE)	KAKINADA (159,ENE)	TUNI (209,ENE)	SANDOWAY (235,W)
12.05.22/0000	93	18.9	85.9	VISHAKHAPATNAM	KAKINADA (114,ENE)	TUNI (150,ENE)	SANDOWAY (174,W)	YANGON (176,WNW)

**N:NORTH, NNE:NORTH-NORTHEAST, NE:NORTHEAST, ENE:EAST-NORTHEAST, E:EAST, SE:SOUTHEAST, SSE:SOUTH-SOUTHEAST, S:SOUTH, SSW:SOUTH-SOUTHWEST, SW:SOUTHWEST, WSW:WEST-SOUTHWEST, W:WEST, WNW:WEST-NORTHWEST, NW:NORTHWEST, NNW:NORTH-NORTHWEST**



## FORECAST TRACK AND INTENSITY ALONGWITH QUADRANT WIND DISTRIBUTION CYCLONIC STORM 'ASANI' OVER SOUTHEAST BAY OF BENGAL BASED ON 0300 UTC OF 8<sup>TH</sup> MAY 2022

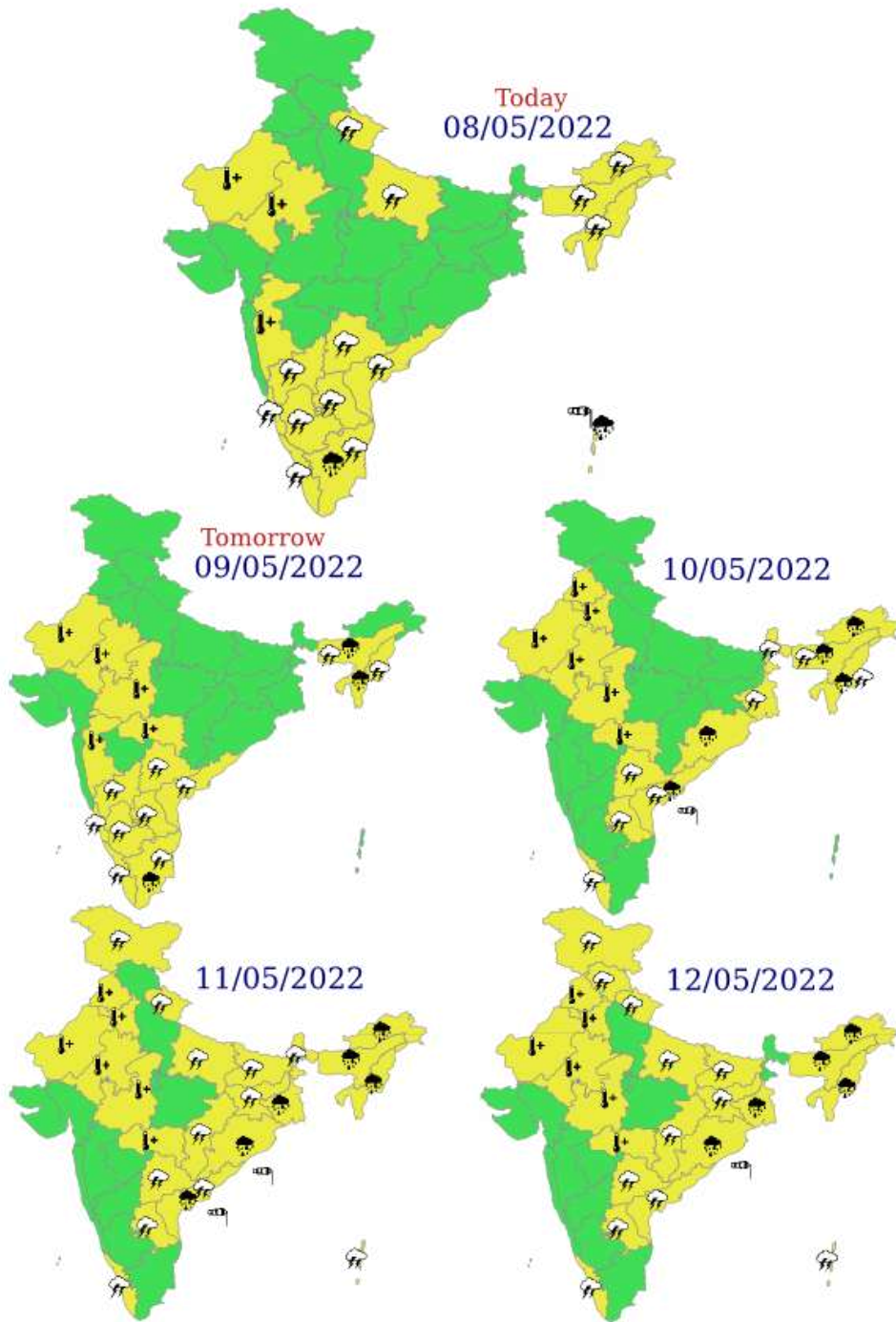


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 SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

● 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

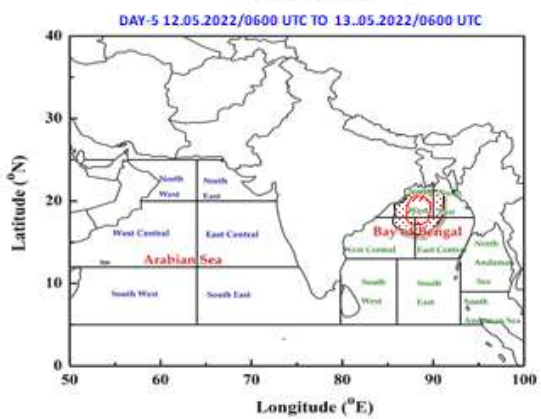
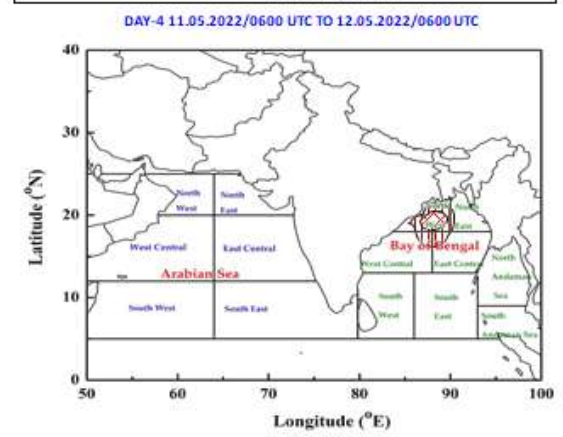
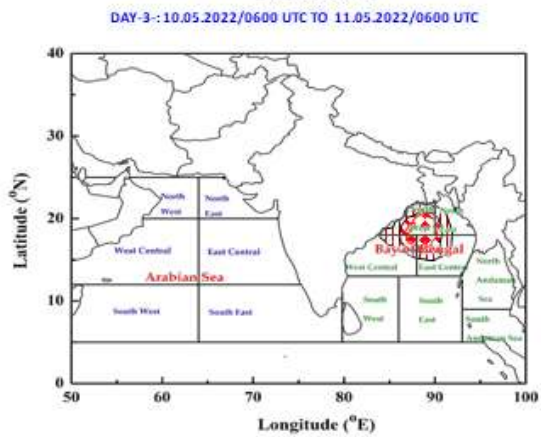
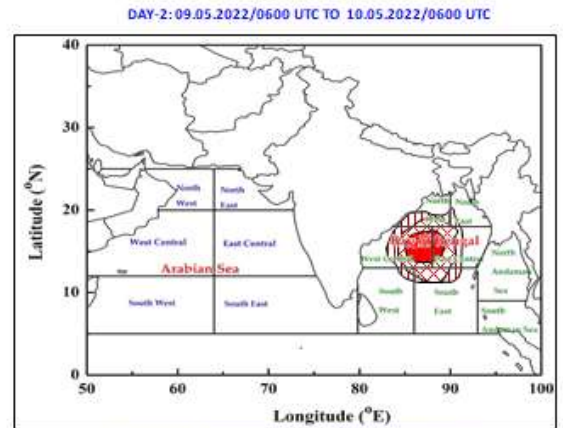
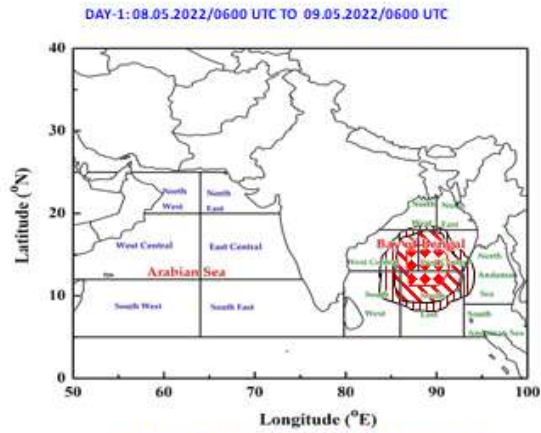


**WARNING**

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

-  Heavy Rain
-  Strong Winds

## INDIA METEOROLOGICAL DEPARTMENT FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA



### 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.

<b>SPATIAL DISTRIBUTION</b> (% 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)



Heavy Rain



Strong Winds

### 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



Thunderstorm with Lightning



Heat Wave