



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 07th May, 2022
Time of Issue: 1430 hrs IST

Subject:

- i) The Depression over Southeast Bay of Bengal likely to intensify further into a cyclonic storm on 08th May, 2022**
- ii) Fresh spell of Heat wave conditions likely to commence over parts of Northwest India from 08th May, 2022.**

Weather observed during past 24 hours:

- ✓ **Maximum Temperatures** (as on 06/05/2022) were **42-44°C** over many parts of Vidarbha, West Madhya Pradesh & West Rajasthan; in some parts of and **40-42 ° C** over most parts of Telangana; many parts of East Madhya Pradesh & Gujarat State; in some parts of East Rajasthan, south Haryana, Marathwada, Rayalaseema & Madhya Maharashtra & and in isolated pockets of East Uttar Pradesh, Jharkhand, Chhattisgarh, northern Tamil Nadu and in northern parts of Odisha.
- ✓ **Chief amount of rainfall (in cm): Andaman-Nicobar Islands:** North & Middle Andaman: Long Island-15, Maya Bandar-11; **Sub-Himalayan West Bengal:** Cooch Behar-9; **Coastal Andhra Pradesh:** Nellore: Udayagiri-8; **Tamilnadu:** Pudukkottai: Manamelkudi-7, Ariyalur: Jayamkondam-7.
- ✓ Isolated **heavy rainfall** observed over Sub-Himalayan West Bengal, Coastal Andhra Pradesh, Andaman-Nicobar Islands and Tamilnadu.

Maximum Temperature forecast and Heat Wave warning:

- ✓ Rise in maximum temperatures by 2-4°C very likely over most parts of Northwest & Central 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 in isolated pockets over:

- ✓ Vidarbha during 07th-11th and West Rajasthan during 08th-11th;
- ✓ south Haryana & East Rajasthan during 09th -11th;
- ✓ West Madhya Pradesh on 08th & 09th;
- ✓ south Punjab & Jammu Division on 10th & 11th May, 2022.

Rainfall/thunderstorm Forecast & Warnings:

Yesterday's Low Pressure Area over South Andaman Sea & adjoining Southeast Bay of Bengal lay as a **Well Marked Low Pressure Area** over Southeast Bay of Bengal and adjoining South Andaman Sea at 0830 hrs IST of today. The Well **Marked Low Pressure Area** over Southeast Bay of Bengal and adjoining Andaman Sea moved northwestwards, concentrated into a depression and lay centered at 1130 hours IST of today, the 07th May, over the same region near latitude 9.4°N and longitude 91.3°E, about

170 km west of Car Nicobar (Nicobar Islands), 300 km south-southwest of Port Blair (Andaman Islands), 1270 km southeast of Visakhapatnam (Andhra Pradesh) and 1300 km south-southeast of Puri (Odisha).

It is very likely to move northwestwards and intensify into a **Cyclonic Storm** over eastcentral Bay of Bengal on 8th May. It is very likely to continue to move northwestwards till 10th 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. Under its influence;

(i) Rainfall (Graphics Enclosed)

7th May: Rainfall at most places with heavy rainfall at isolated places very likely over Andaman & Nicobar Islands.

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

11th May: Rainfall at a few places with heavy rainfall at isolated places likely over coastal Odisha and adjoining coastal areas of north Andhra Pradesh and West Bengal.

(ii) Wind warning

- **7th May:** Squally wind speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail over Andaman & Nicobar Islands, Andaman Sea and adjoining Southeast & Eastcentral Bay of Bengal.
- **8th May:** Squally wind speed reaching 55-65 kmph gusting to 75 kmph is likely to prevail over Southeast & adjoining Eastcentral Bay of Bengal and would gradually increase becoming gale wind speed reaching 65-75 gusting to 85 kmph over the same region from 8th May evening. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail over Andaman Sea and Andaman & Nicobar Islands.
- **9th May:** Gale wind speed reaching 65-75 kmph gusting to 85 kmph is likely to prevail over central parts of Bay of Bengal.
- **10th May:** Gale wind speed reaching 80-90 kmph gusting to 100 kmph is likely to prevail around the system center over Westcentral and adjoining Northwest & Eastcentral Bay of Bengal. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely over coastal districts of north Andhra Pradesh.
- **11th May:** Gale wind speed reaching 70-80 kmph gusting to 90 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 over coastal districts of Odisha and adjoining coastal north Andhra Pradesh.

(iii) Sea condition

- **7th May:** Sea condition is very likely to become rough to very rough over Andaman Sea and adjoining southeast Bay of Bengal.
- **8th May:** Sea condition is very likely to become high over Southeast & adjoining Eastcentral Bay of Bengal. The sea condition over Andaman Sea would gradually improve becoming rough.
- **9th- 10th May:** Sea condition is likely to become high over central parts of Bay of Bengal on 9th May and over Westcentral & adjoining Northwest and Eastcentral Bay of Bengal on 10th May.
- **11th May:** Sea condition is likely to become high over Northwest and adjoining Westcentral Bay of Bengal.

(iv) Fishermen Warning (Graphics Enclosed)

- Fishermen are advised not to venture into Andaman Sea and adjoining Southeast Bay of Bengal during 7th-8th May.
- Fishermen are advised not to venture into Eastcentral Bay of Bengal on 8th May.
- Fishermen are advised not to venture into central parts of Bay of Bengal on 9th & 10th May and over Northwest Bay of Bengal on 10th & 11th May.
- Fishermen out at sea are advised to return to coast.

(v) ACTION SUGGESTED for Andaman and Nicobar Islands during 7th – 8th 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

- Fairly widespread to widespread light/moderate rainfall with isolated **heavy falls** very likely over Arunachal Pradesh, Assam-Meghalaya and Mizoram-Tripura during 09th-11th May.
- Isolated **thunderstorm/lightning** over Assam-Meghalaya & Nagaland-Manipur-Mizoram-Tripura during 07th-09th May.

Under the influence of lower level easterlies:

- ✓ Isolated light rainfall very likely over Uttarakhand & East Uttar Pradesh during next 5 days.
- ✓ Isolated light rainfall very likely over Jammu-Kashmir & Himachal Pradesh during next 24 hours and dry weather thereafter.

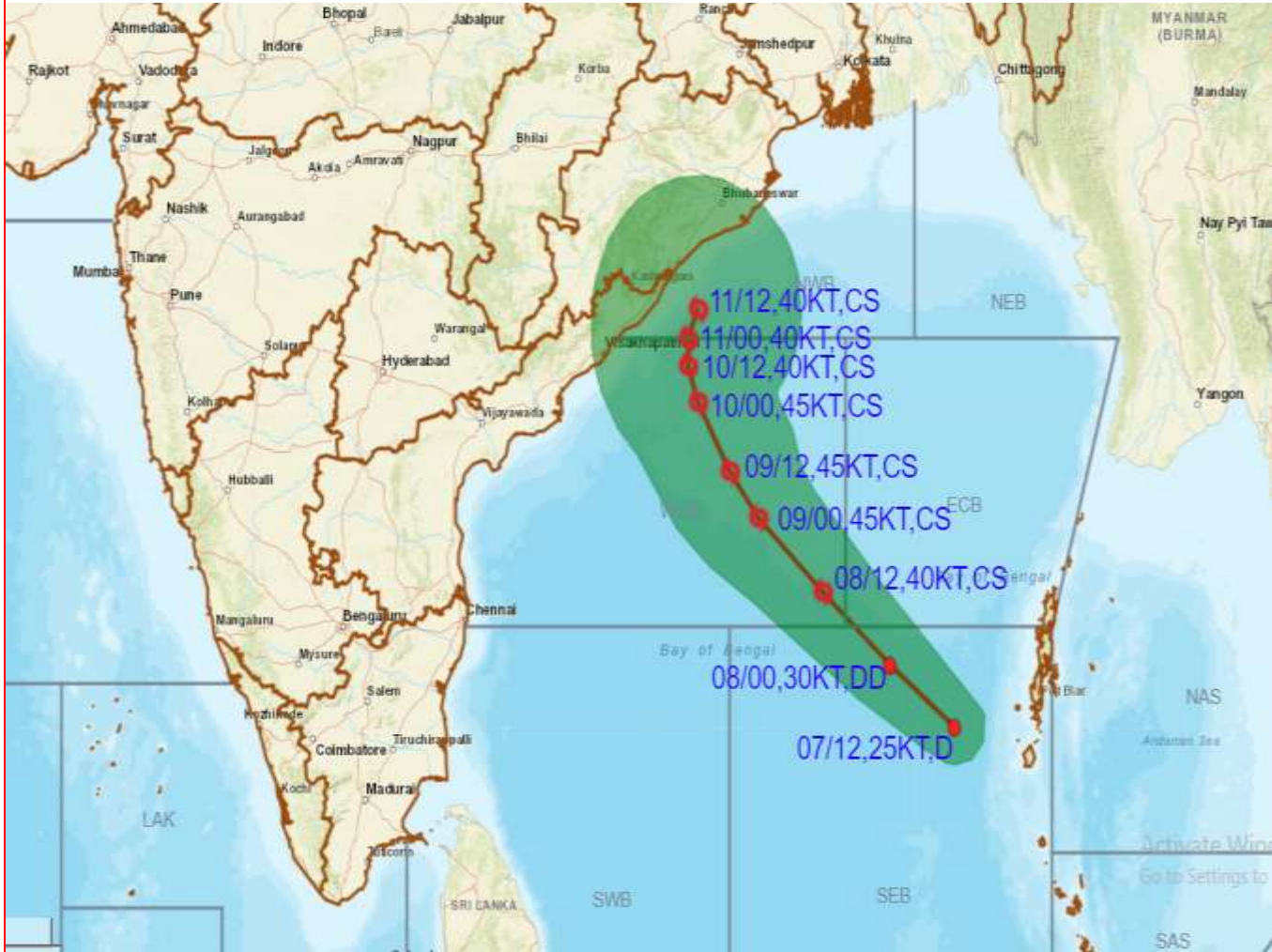
Due to trough/wind discontinuity over peninsular India in lower tropospheric levels:

- ✓ Scattered to fairly widespread light/moderate rainfall with **thunderstorm/lightning/gusty winds** very likely over Kerala-Mahe, Coastal & South Interior Karnataka during next 5 days; and isolated to scattered light/moderate rainfall over Tamil Nadu-Puducherry-Karaikal & Andhra Pradesh during next 2-3 days.
- ✓ **Isolated heavy rainfall** very likely over Tamilnadu on 09th May.

For more details refer: https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php



EXPERIMENTAL PRE-GENESIS TRACK AND INTENSITY FORECAST ALONGWITH CONE OF UNCERTAINTY ISSUED AT THE STAGE OF LOW PRESSURE AREA OVER SOUTHEAST BAY OF BENGAL AND ADJOINING SOUTH ANDAMAN SEA ON 0300 UTC OF 7TH 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 (\geq 120 KT)

● LESS THAN 34 KT

○ 34-47 KT

○ \geq 48 KT

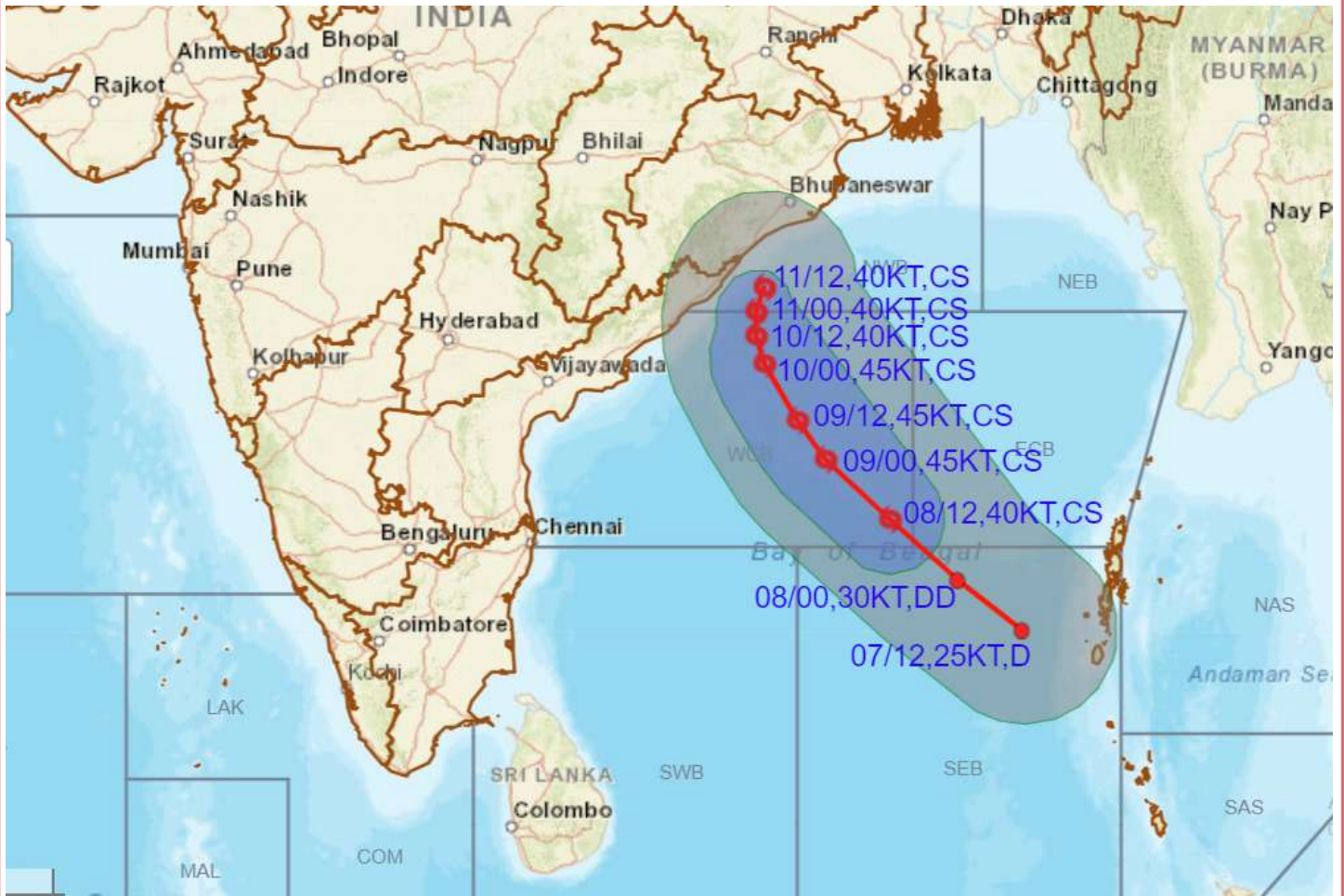
— OBSERVED TRACK

— FORECAST TRACK

▲ CONE OF UNCERTAINTY



EXPERIMENTAL PRE-GENESIS TRACK AND INTENSITY FORECAST ALONGWITH QUADRANT WIND DISTRIBUTION ISSUED AT THE STAGE OF LOW PRESSURE AREA OVER SOUTHEAST BAY OF BENGAL & ADJOINING SOUTH ANDAMAN SEA ON 0300 UTC OF 7TH MAY 2022



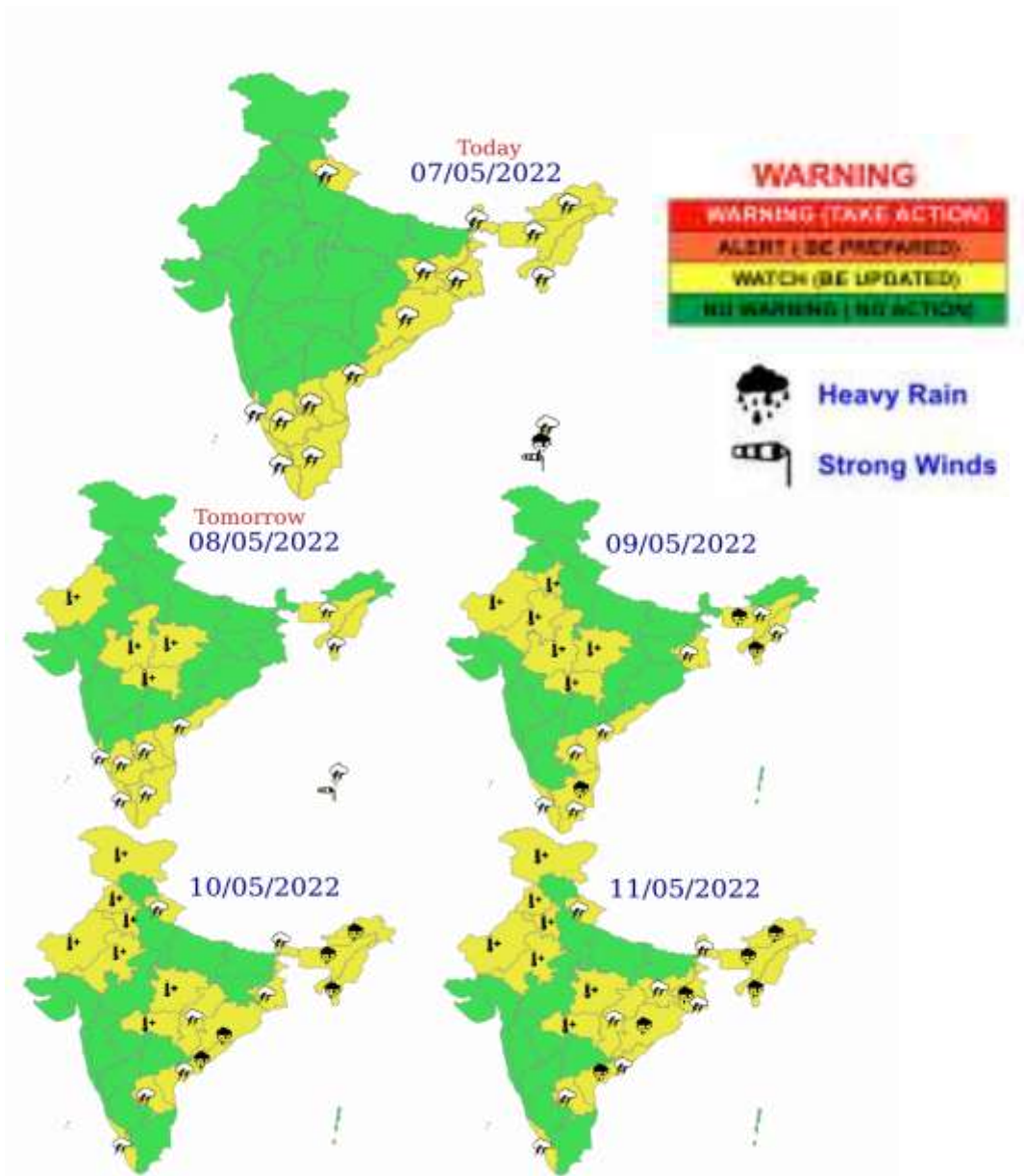
DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM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

● LESS THAN 34 KT
 ○ 34-47 KT
 ● \geq 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)
 ■ \geq 64 KT (\geq 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
\geq 64 (\geq 118)	Phenomenal	Total suspension of fishing operations

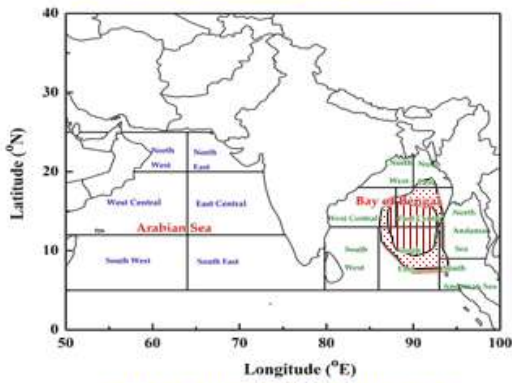
Heavy rainfall warning Graphics



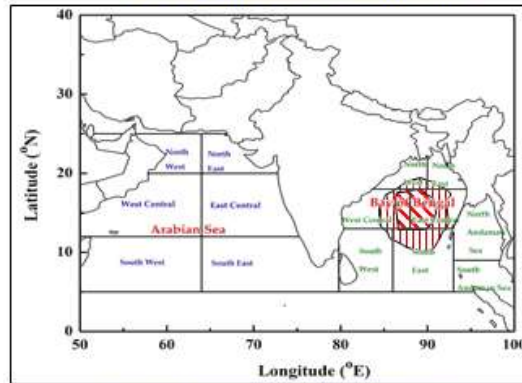
Fishermen Warning Graphics

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

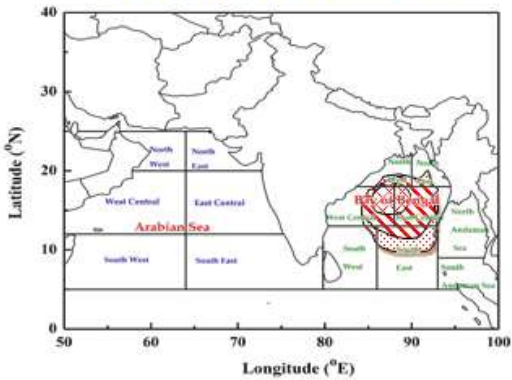
DAY-1: 07.05.2022/0600 UTC TO 08.05.2022/0600 UTC



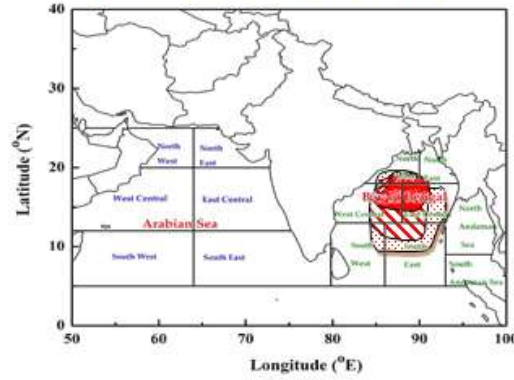
DAY-2: 08.05.2022/0600 UTC TO 09.05.2022/0600 UTC



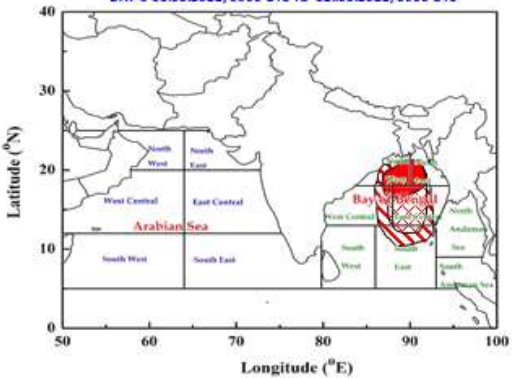
DAY-3: 09.05.2022/0600 UTC TO 10.05.2022/0600 UTC



DAY-4: 10.05.2022/0600 UTC TO 11.05.2022/0600 UTC



DAY-5: 11.05.2022/0600 UTC TO 12.05.2022/0600 UTC



AREA UNDER FISHERMEN WARNING

- 40-50 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
- 45-55 KMPH GUSTING TO 65 KMPH (SQUALLY WEATHER)
- 55-65 KMPH GUSTING TO 75 KMPH
- 65-75 KMPH GUSTING TO 85 KMPH
- 70-80 KMPH GUSTING TO 90 KMPH
- 80-90 KMPH GUSTING TO 100 KMPH

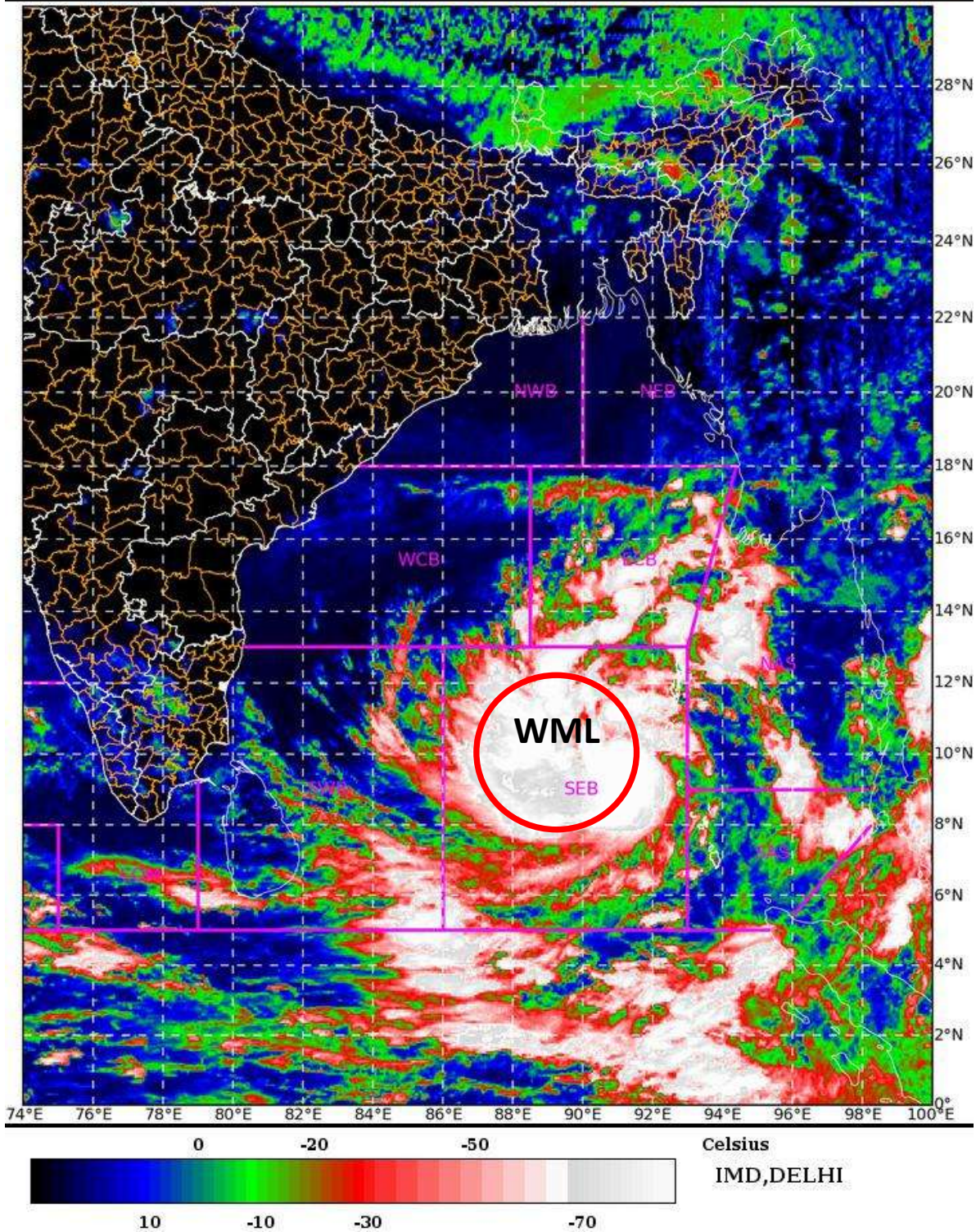
SAT : INSAT-3D IMG

07-05-2022/(0530 to 0556) GMT

IMG_TIR1_TEMP 10.8 um

07-05-2022/(1100 to 1126) IST

L1C Mercator



WML- Well-Marked Low Pressure Area

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)



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