



**India Meteorological Department
(Ministry of Earth Sciences)**

SPECIAL MESSAGE (BOB/02/2022)

TIME OF ISSUE:1300 HOURS IST

DATED: 19.03.2022

FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)

TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23012284, 23018638)

PS TO HON'BLE MINISTER FOR S & T AND EARTH SCIENCES (FAX NO.23316745)

SECRETARY, MOES (FAX NO. 24629777)

H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)

DIRECTOR GENERAL, DOORDARSHAN (23385843)

DIRECTOR GENERAL, AIR (23421105, 23421219)

PIB MOES (FAX NO. 23389042)

UNI (FAX NO. 23355841)

D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX NO. 26105912, 2436 3260)

DIRECTOR, PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)

ADMINISTRATOR, ANDAMAN & NICOBAR ISLANDS (FAX NO. 03192- 232656)

CHIEF SECRETARY, TAMIL NADU (FAX NO 044-25672304)

CHIEF SECRETARY, PUDUCHERRY (FAX NO 0413-2334145)

CHIEF SECRETARY, ANDHRA PRADESH (FAX NO. 0863-2441029, 08645-246600)

CHIEF SECRETARY, ODISHA (FAX NO. 0674-2536660)

CHIEF SECRETARY, WEST BENGAL (FAX NO. 033-22144328)

Sub: Well-marked low pressure area over southeast Bay of Bengal and south Andaman Sea & it's likely intensification into a cyclonic storm by 21st March, 2022

The low pressure area over southeast Bay of Bengal and adjoining south Andaman Sea & east Equatorial Indian Ocean moved east-northeastwards and lay as a well-marked low pressure area over southeast Bay of Bengal and adjoining south Andaman Sea at 0530 hours IST of today, the 19th March. It persisted over same area at 0830 hours IST of today the 19th March.

It is likely to move nearly northwards along & off Andaman & Nicobar Islands, intensify into a depression by morning of 20th March and into a cyclonic storm on 21st March. Thereafter, it is likely to move nearly north-northeastwards and reach near north Myanmar - southeast Bangladesh coasts on 22nd March, 2022.

Realized Weather:

(i) Rainfall: Light to moderate rainfall at many places with isolated heavy rainfall occurred over Nicobar Islands during last 24 hours. Light to moderate rainfall at a few places occurred over Andaman Islands during same period.

24-Hours accumulated rainfall (in mm) realized during 0830 hrs IST of 18th March to 0830 hrs IST of today 19th March: Car Nicobar IAF: 86.2, Car Nicobar IMD: 70.2, Nancowary:39, Long Island:13, Hut Bay:17

- (ii) **Wind:** Squally winds speed reaching 40-50 kmph gusting to 60 kmph prevailed over southeast Bay of Bengal, south Andaman Sea and Nicobar Islands during past 24 hours.

Warnings:

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

19th March: Light to moderate rainfall/thundershower at most places with **heavy to very heavy rainfall at a few places** very likely over Andaman & Nicobar Islands and **isolated Extremely Heavy rainfall** very likely over Nicobar Islands and south Andaman Islands.

20th March: Light to moderate rainfall/thundershower at most places with **heavy to very heavy rainfall at a few places and isolated extremely heavy rainfall** are very likely over Andaman Islands and **isolated heavy rainfall** over Nicobar Islands.

21st March: Light to moderate rainfall/thundershower at most places with **heavy to very heavy rainfall at a few places and isolated extremely heavy rainfall** are very likely over Andaman Islands. Light to moderate rainfall at a few places is likely over Nicobar Islands.

(ii) **Wind warning**

- **19th March:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph are very likely to prevail over Andaman and Nicobar Islands, Andaman Sea and southeast Bay of Bengal.
- **20th March:** Squally winds speed reaching 55-65 kmph gusting to 75 kmph are very likely to prevail over Andaman and Nicobar Islands, Andaman Sea and adjoining southeast Bay of Bengal from forenoon and would gradually increase thereafter.
- **21st March:** Gale winds speed reaching 70-80 kmph gusting to 90 kmph are very likely to prevail over Andaman and Nicobar Islands, eastcentral Bay of Bengal and adjoining southeast Bay of Bengal.
- **22nd March:** Gale winds speed reaching 60-70 kmph gusting to 80 kmph are very likely to prevail over eastcentral Bay of Bengal and along & off Myanmar coast. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail over north Andaman Islands, north Andaman Sea and adjoining southeast Bay of Bengal, northeast Bay of Bengal and along & off southeast Bangladesh coast.

(iii) **Sea condition**

- Sea condition is very likely to become rough to very rough over Andaman Sea and adjoining southeast Bay of Bengal during 19th March. It would become very rough over the same region on 20th March.
- Sea condition is very likely to become very rough to high over Andaman Sea, southeast and adjoining eastcentral Bay of Bengal on 21st, over eastcentral and adjoining southeast & northeast Bay of Bengal and north Andaman Sea and along & off Myanmar coast on 22nd March. It would be rough to very rough over northeast Bay of Bengal and along & off southeast Bangladesh coast during the same period.

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

Fishermen are advised not to venture

- Into southeast Bay of Bengal during 19th – 21st March.

- Into Andaman Sea and along & off Andaman and Nicobar Islands during 19th to 22nd March.
- Into eastcentral Bay of Bengal during 21st to 22nd March and into northeast Bay of Bengal on 22nd March.

(v) EXPECTED IMPACT & ACTION SUGGESTED for Andaman and Nicobar Islands

A. Impact Expected

- Breaking of tree branches and uprooting of small trees.
- Partial disruption of power and communication lines.
- Localized Flooding of roads, inundation and water logging in low lying areas.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic due to water logging in roads leading to increased travel time.
- Adverse impact on marine and tourist activities along the coasts.
- Damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to squally wind and inundation.

B. Action Suggested

- Total suspension of fishing and tourism activities during 19th to 22nd March.
- Avoid going to areas that face the water logging problems often.
- People are advised to be in safe areas and avoid staying in vulnerable structure.
- Regulate off-shore activities from 19th and suspension of off-shore activities during 20th to 22nd March.
- Regulate air-traffic on 20th and 21st March, 2022.
- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.

Next message will be issued at 1130 hours IST of tomorrow, the 20th March, 2022.

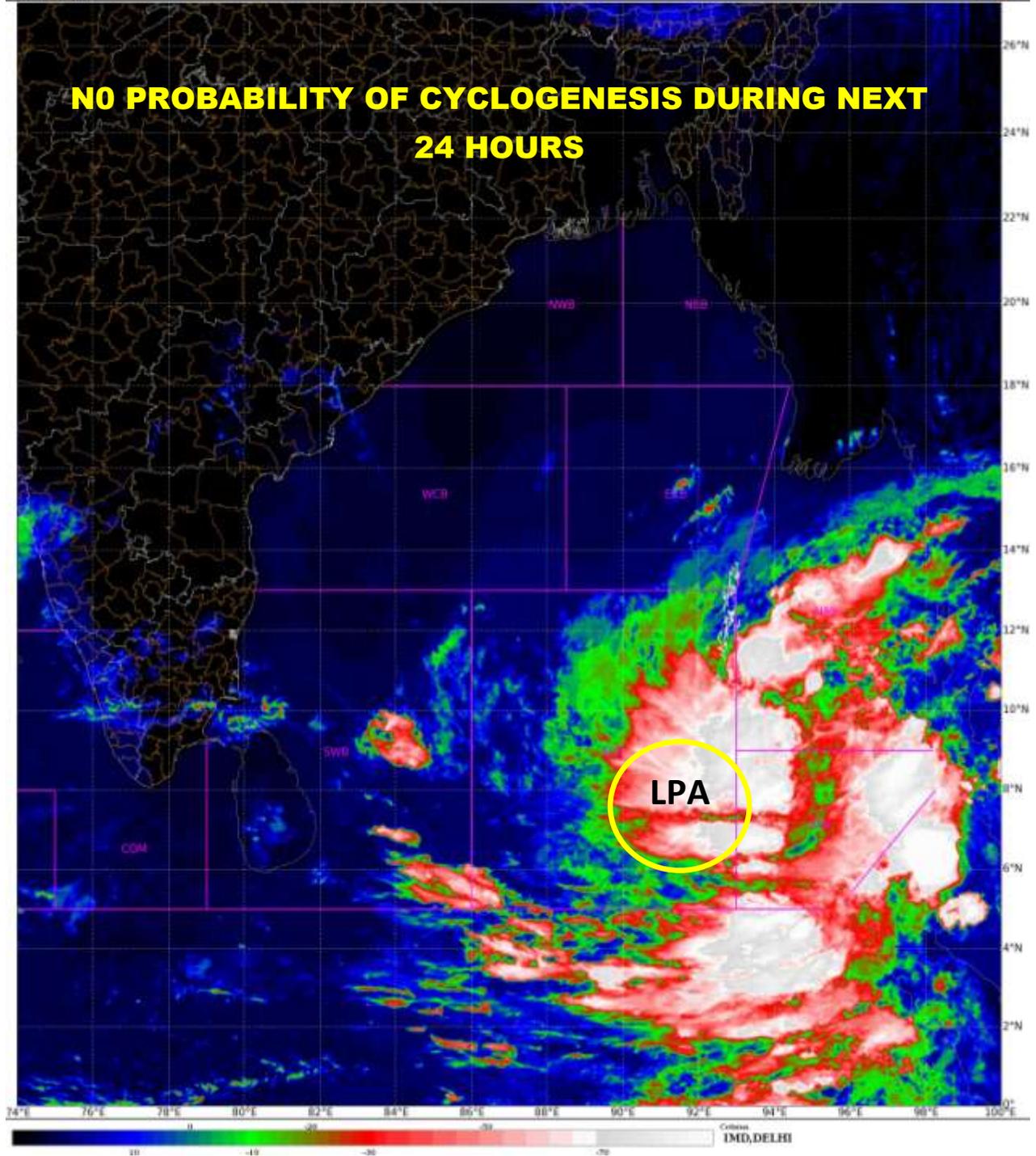
(Ananda Kumar Das)
Scientist-E, RSMC, New Delhi

Copy to: ACWC Kolkata/ ACWC Chennai/ CWC Bhubaneswarr/CWC Vishakhapatnam/MO Port Blair

LEGEND: Heavy Rainfall: 64.5 to 115.5mm, **Very Heavy Rainfall:** 115.6 to 204.4mm **Most Places:** more than 76% of total stations, **Isolated Places:** Less than 25% of total

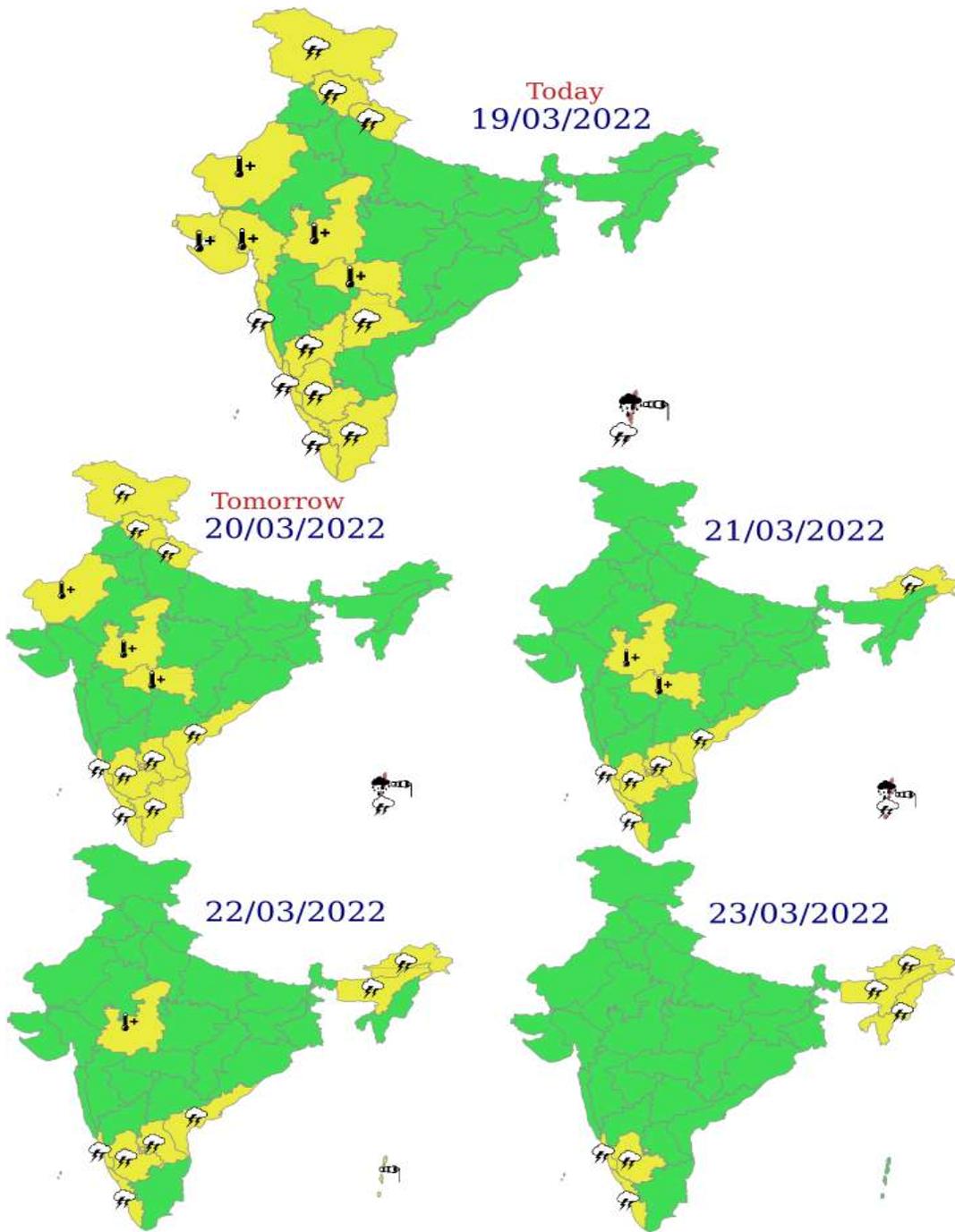


**NO PROBABILITY OF CYCLOGENESIS DURING NEXT
24 HOURS**



LPA: LOW PRESSURE AREA

Rainfall Warning Graphics



WARNING

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

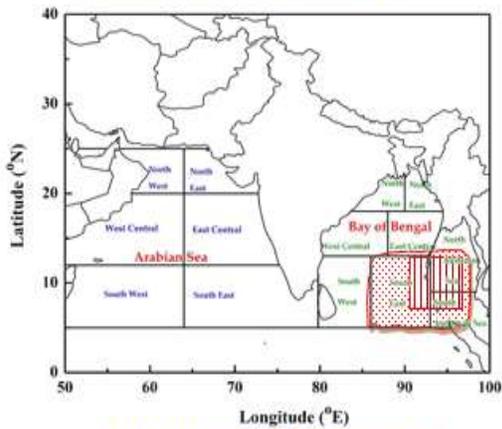
 Heavy Rain

 Strong Winds

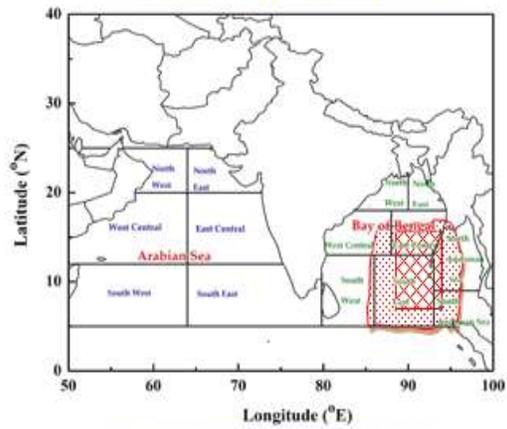
Fishermen warning Graphics

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

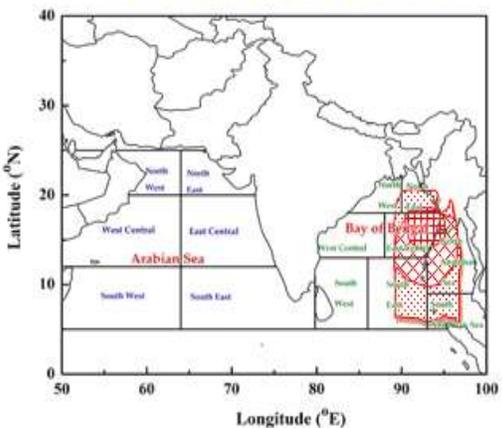
DAY-1: 19.03.2022/0600 UTC TO 20.03.2022/0600 UTC



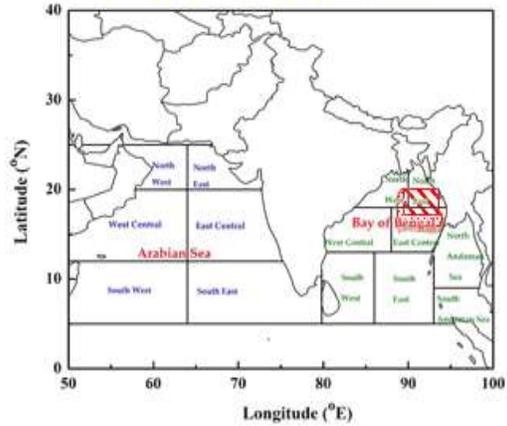
DAY-2: 20.03.2022/0600 UTC TO 21.03.2022/0600 UTC



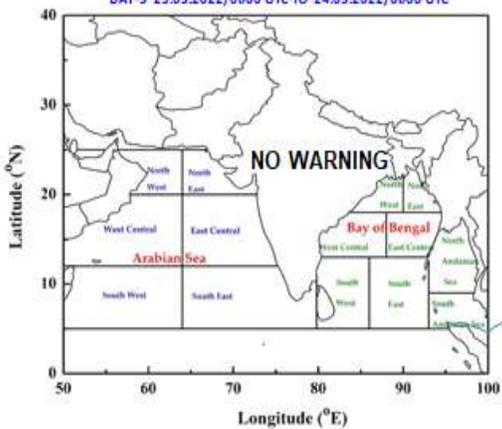
DAY-3: 21.03.2022/0600 UTC TO 22.03.2022/0600 UTC



DAY-4: 22.03.2022/0600 UTC TO 23.03.2022/0600 UTC



DAY-5: 23.03.2022/0600 UTC TO 24.03.2022/0600 UTC

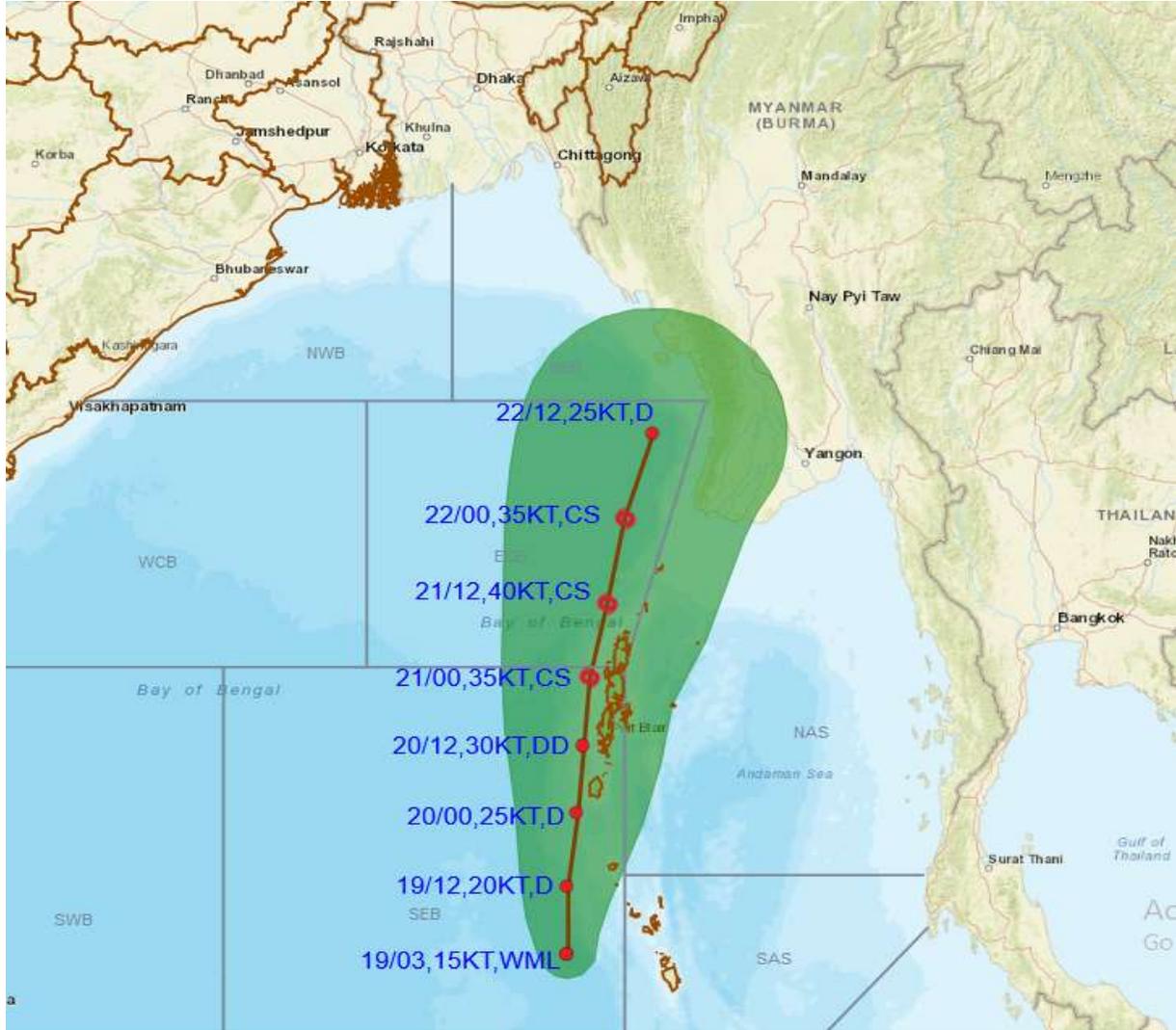


AREA UNDER FISHERMEN WARNING

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



**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 19TH MARCH 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



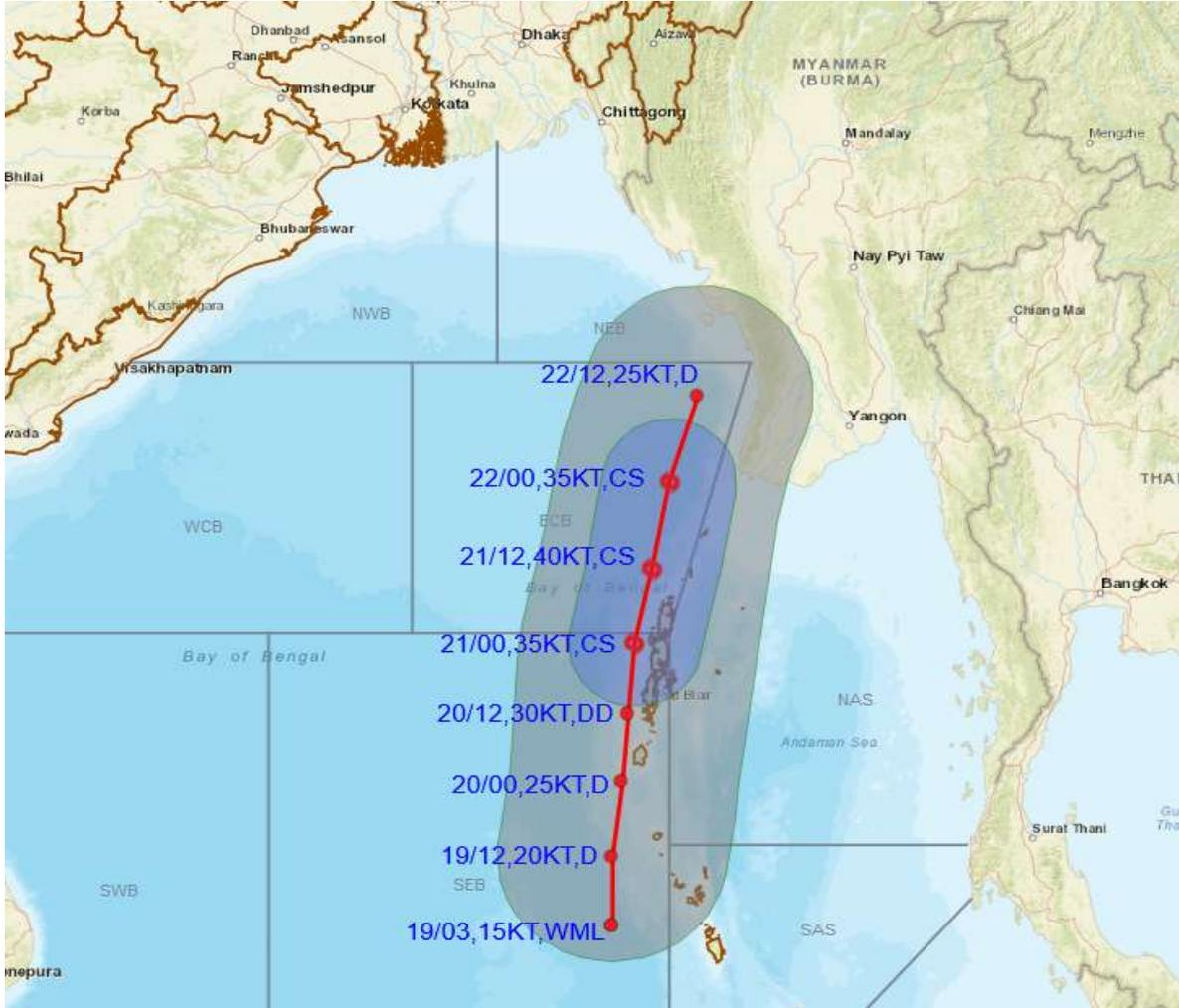
FORECAST TRACK



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 AND
ADJOINING SOUTH ANDAMAN SEA ON 0300 UTC OF 19TH MARCH 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

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