REGIONAL SPECIALISED METEOROLOGICAL CENTRE-TROPICAL CYCLONES, NEW DELHI

TROPICAL CYCLONE ADVISORY BULLETIN NO. 37

FROM: RSMC –TROPICAL CYCLONES, NEW DELHI

TO: STORM WARNING CENTRE, NAYPYI TAW (MYANMAR)
STORM WARNING CENTRE, BANGKOK (THAILAND)
STORM WARNING CENTRE, COLOMBO (SRILANKA)
STORM WARNING CENTRE, DHAKA (BANGLADESH)
STORM WARNING CENTRE, KARACHI (PAKISTAN)
METEOROLOGICAL OFFICE, MALE (MALDIVES)
OMAN METEOROLOGICAL DEPARTMENT, MUSCAT (THROUGH RTH JEDDAH)
YEMEN METEOROLOGICAL SERVICES, REPUBLIC OF YEMEN (THROUGH RTH JEDDAH)
NATIONAL CENTRE FOR METEOROLOGY, UAE (THROUGH RTH JEDDAH)
PRESIDENCY OF METEOROLOGY AND ENVIRONMENT, SAUDI ARABIA (THROUGH RTH JEDDAH)
IRAN METEOROLOGICAL ORGANISATION, (THROUGH RTH JEDDAH)
QATAR METEOROLOGICAL DEPARTMENT (THROUGH RTH JEDDAH)

TROPICAL CYCLONE ADVISORY NO. 37 FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 120 HOURS ISSUED AT 0300 UTC OF 21.05.2020 BASED ON 0000 UTC OF 21.05.2020.

SUB: SUPER CYCLONIC STORM '**AMPHAN**' (PRONOUNCED AS **UM-PUN**) LAY AS A CYCLONIC STORM OVER **BANGLADESH**

THE SUPER CYCLONIC STORM '**AMPHAN**' (PRONOUNCED AS **UM-PUN**) MOVED NORTH-NORTHEASTWARDS WITH A SPEED OF 27 KMPH DURING PAST 06 HOURS, FURTHER WEAKENED INTO A CYCLONIC STORM AND LAY CENTERED AT 0000 UTC OF TODAY, THE 21ST MAY 2020 OVER BANGLADESH NEAR LAT. 24.7°N AND LONG. 89.5°E ABOUT 270 KM NORTH-NORTHEAST OF KOLKATA(42807), 150 KM SOUTH OF DHUBRI (42404) AND 110 KM SOUTH-SOUTHEAST OF RANGPUR (41984).

IT IS VERY LIKELY TO CONTINUE TO MOVE NORTH-NORTHEASTWARDS AND WEAKEN FURTHER INTO A DEEP DEPRESSION DURING NEXT 03 HOURS AND INTO A DEPRESSION DURING SUBSEQUENT 06 HOURS.

FORECAST TRACK AND INTENSITY ARE GIVEN IN THE FOLLOWING TABLE:

DATE/TIME(UTC)	POSITION (LAT. ^{0}N/ LONG. ^{0}E)	MAXIMUM SUSTAINED SURFACE WIND SPEED (KMPH)	CATEGORY OF CYCLONIC DISTURBANCE
21.05.20/0000	24.87/89.5	60-70 GUSTING TO 80	CYCLONIC STORM
21.05.20/0600	26.2/90.7	40-50 GUSTING TO 50	DEPRESSION

REMARKS:

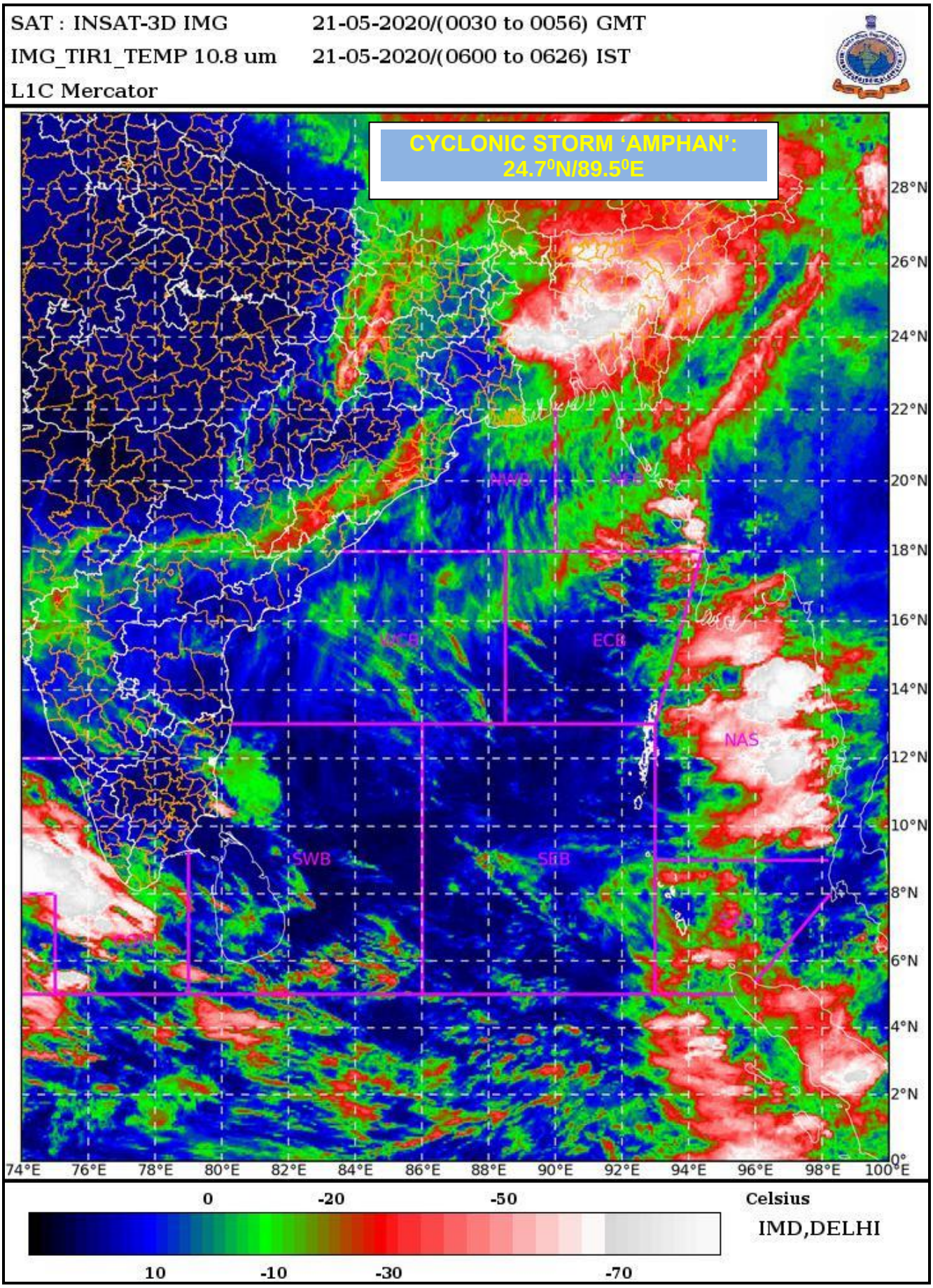
AS PER INSAT-3D SATELLITE IMAGERY BASED ON 0000 UTC OF 21TH MAY SHOWS THE VORTEX LIES OVER THE LAND IN AEAS OF WEST BENGAL COAST ASSOCIATED BROKEN LOW/MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER BAY BETWEEN LATITUDE 20.0°N TO 28.0°N LONGITUDE 85.0°E TO 92.5°E. WALL CLOUDS MINIMUM CLOUD TOP TEMPERATURE -83 DEG C.

THE ESTIMATED MAXIMUM SUSTAINED WIND SPEED IS 50 KNOTS GUSTING TO 60 KNOTS. THE ESTIMATED CENTRAL PRESSURE IS **990** HPA.

AT 0000 UTC OF 21TH MAY, KOLKATTA (43049) REPORTED MEAN SEA LEVEL PRESSURE OF 993.8 HPA AND WIND DIRECTION/SPEED AS 230°/06 KNOTS . CHUADANGA (41926), REPORTED MEAN SEA LEVEL PRESSURE OF 986.0 HPA AND WIND DIRECTION/SPEED AS 130°/15 KNOTS,

(V R DURAI)
SCIENTIST-E, RSMC, NEW DELHI

PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)
NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%



Legend: WCB – Westcentral Bay of Bengal
NWB – Northwest Bay of Bengal

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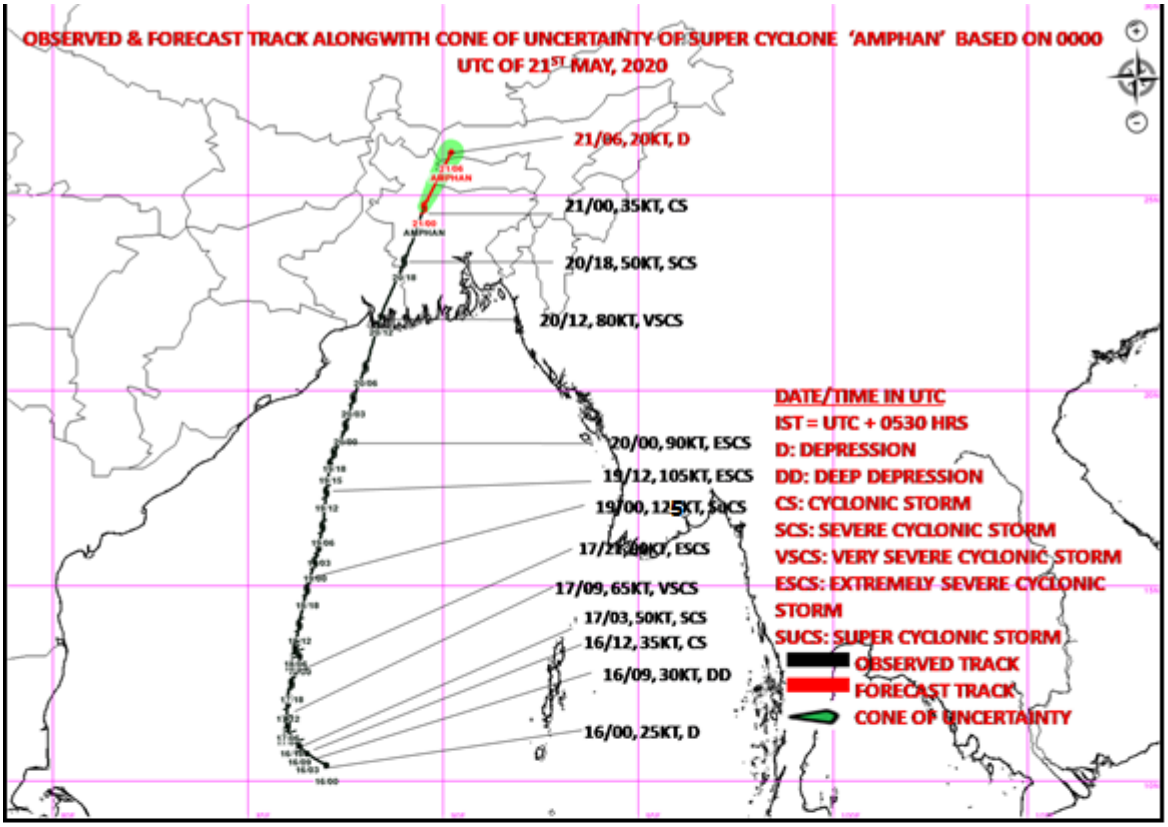

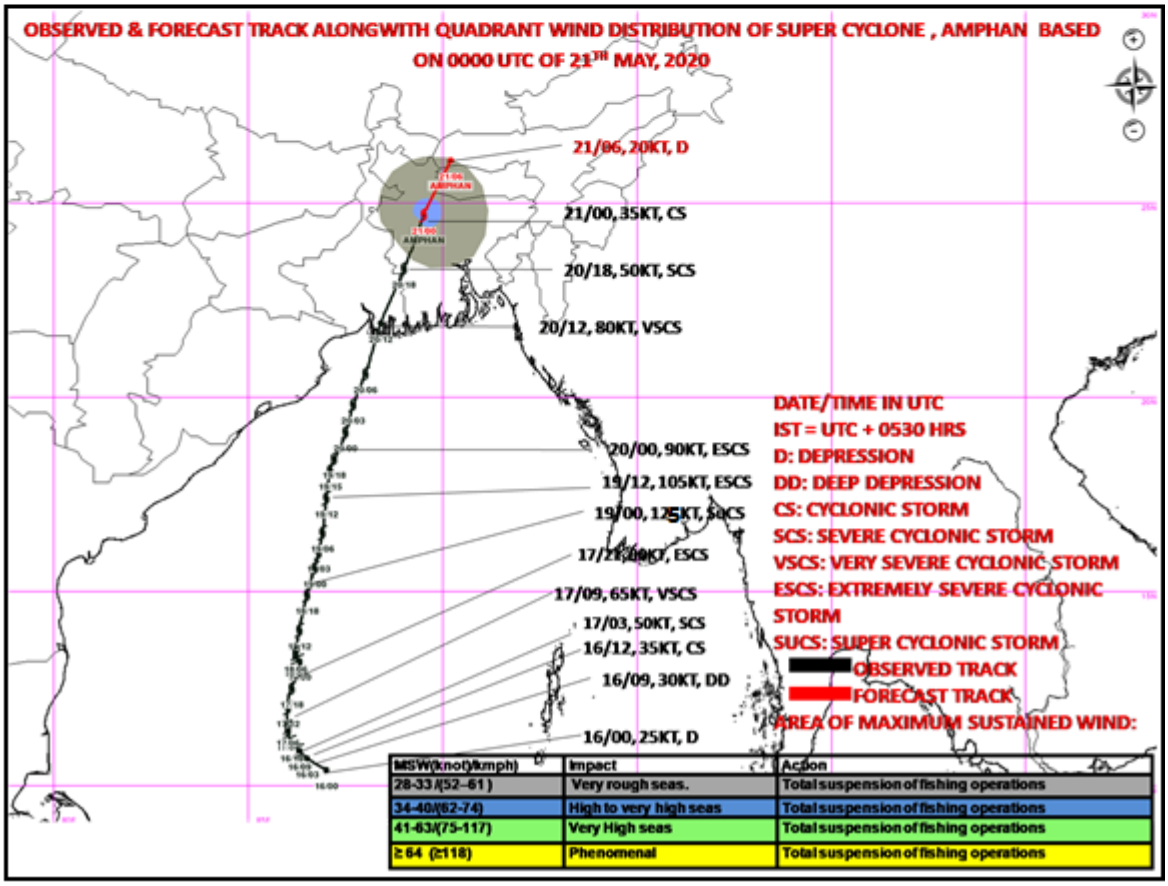

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