



सत्यमेव जयते

STATE METEOROLOGICAL CENTRE Directorate of Science and Technology Government of Mizoram

DATE

Cyclone Warning

May 14, 2020

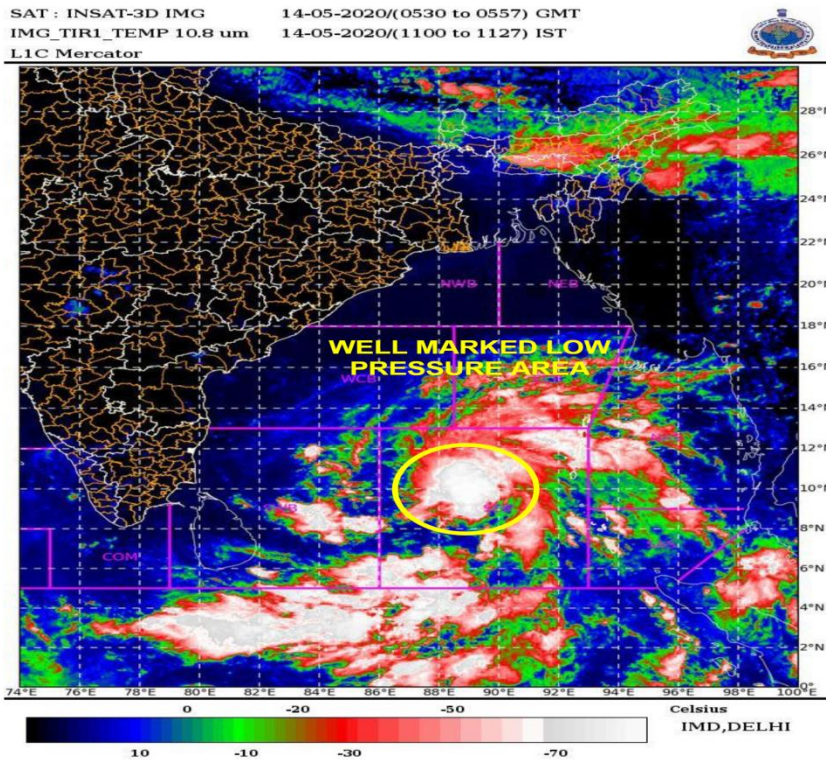
Bay of Bengal-ah Cyclone Insiam Thei A Awm

Time of Issue : 5:00 PM

Nimin lama Bay of Bengal tuipui chhim chhak-a thli insiam tan chu naktuk May ni 15 (Zirtawpni)ah hian Cyclone note (Depression) insiam tannin May ni 16-ah chuan Cyclone tak tak chang chho tura ngaih a ni. May ni 17 thleng khian hmar thlang lam panin, May ni 18 leh ni 19 atang chuan hmar chhak lama inher chhoin hmar lam a pan tura ngaih a ni bawk. **Tun dinhmunah chuan Mizoram tan ralkhelh chiamna tur a la awm rih lo.** State Meteorological Centre, Directorate of Science and Technology chuan Cyclone chetvel dan hi uluk takin a thlithlai reng a ni.

PROBABILITY OF CYCLOGENESIS DURING NEXT 120 HRS:

24 HOURS	24-48 HOURS	48-72 HOURS	72-96 HOURS	96-120 HOURS
NIL	MODERATE	HIGH	HIGH	HIGH



STATE METEROLOGICAL CENTRE
Directorate of Science and Technology, Government of Mizoram
Mizoram New Capital Complex - 796005
Aizawl, Mizoram
Email: metmizoram@gmail.com

Website: www.dst.mizoram.gov.in



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STATE METEOROLOGICAL CENTRE Directorate of Science and Technology Government of Mizoram

DATE

Cyclone Warning

May 15, 2020

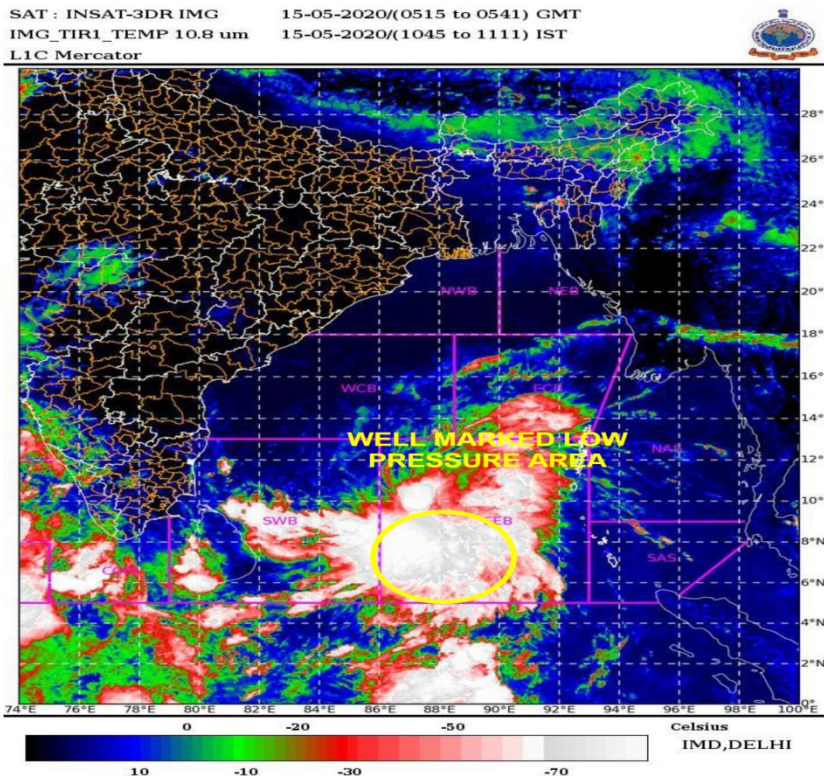
Bay of Bengal-ah Cyclone Note(depression) A Insiam Mek

Time of Issue : 3:00 PM

Nimin lama Bay of Bengal tuipei chhim chhak-a thli insiam ñan chu vawiin May ni 15 (Zirtawpni)ah hian a awmna hmun ngaiah danglam lutuk lovin a la awm reng a, tun aţanga darkar 12 chung vel hian Cyclone note (Depression)-ah insiam ñannin May ni 16-ah chuan Cyclone tak tak chang chho tura ngaih a ni. May ni 17 thleng khian hmar thlang lam panin, May ni 18 aţanga May ni 19 aţang chuan hmar chhak lama inher chhoin hmar lam a pan tura ngaih a ni bawk. **Tun dinhmunah chuan Mizoram tan ralkhelh chiamna tur a la awm rih lo.** State Meteorological Centre, Directorate of Science and Technology chuan Cyclone chetvel dan hi uluk takin a thlithlai reng a ni.

PROBABILITY OF CYCLOGENESIS DURING NEXT 120 HRS:

24 HOURS	24-48 HOURS	48-72 HOURS	72-96 HOURS	96-120 HOURS
MODERATE	HIGH	HIGH	HIGH	HIGH



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DATE

Cyclone Warning

May 18, 2020

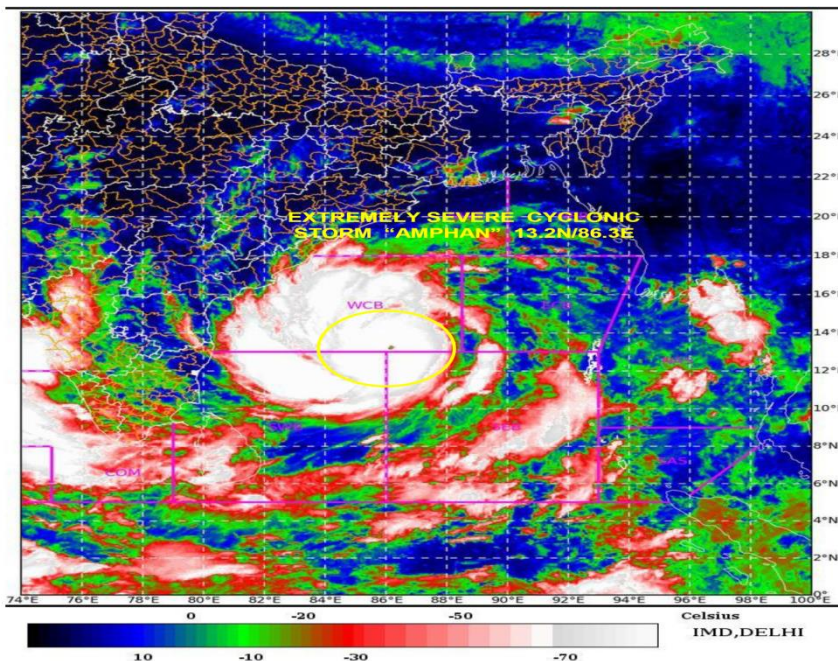
Cyclone Amphan Chuan Hmar Lam A Pan Zel

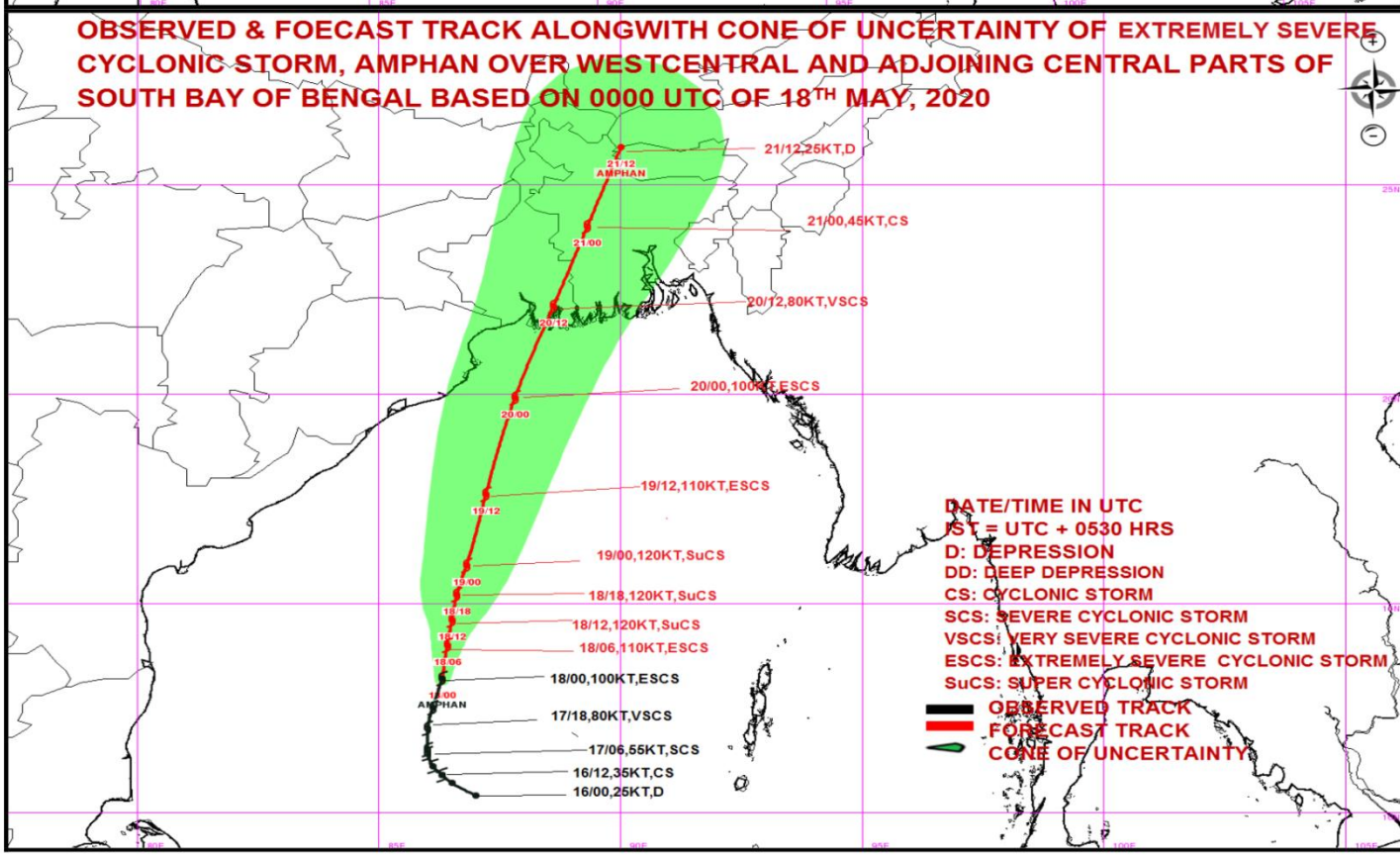
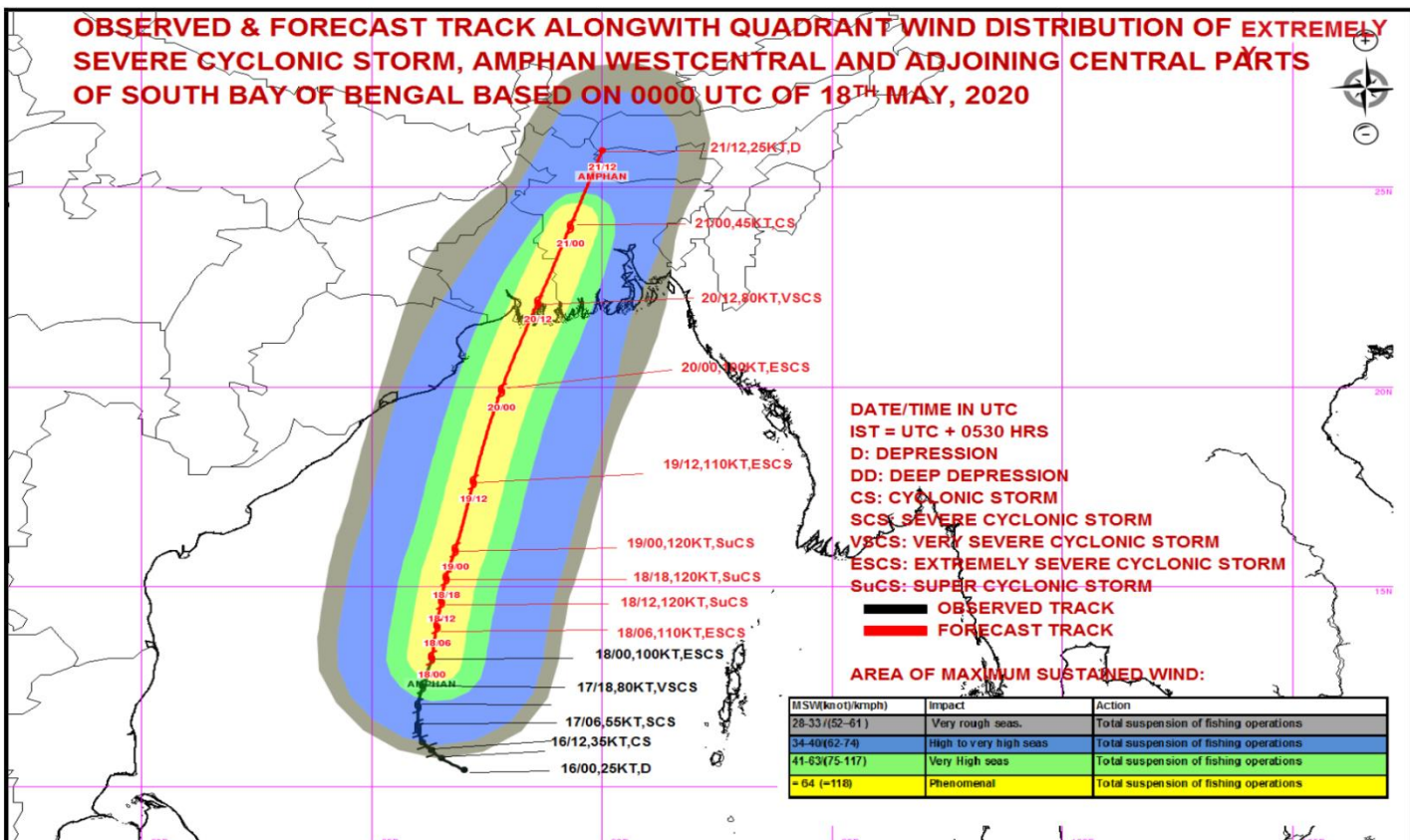
Time of Issue : 1:30 PM

Bay of Bengal tuipui chhim lama insiam Cyclone Amphan chuan hmar lam a pan zel a, vawiin May ni 18 hian Odisha aṅanga chhim lam KM 790, West Bengal aṅanga chhim thlang lam KM 940 vel leh Bangladesh aṅanga chhim thlang lam KM 1060 velah na tak(extremely severe cyclonic storm)-in a thawk mek a, tun aṅanga darkar 12 chhung vel hian a aia na zawka tleh chhunzawm tura rin a ni. Bay of Bengal hmar thlang lam leh West Bengal tuipui kam leh Bangladesh tupui kam vel hrutin hmar chhak lam pan zel tura rin a ni a, May ni 20(Nilai ni) velah hian thlipui na tak, darkar khata KM 155 aṅanga darkar khata KM 185 inkar vela nain tleh chhunzawm tura ngaih a ni bawk. **Tun dinhmunah chuan Thlipui na tak chuan Mizoram chu nuai ve lo tura ngaih a ni a, Cyclone them kan tih ang leh ruah chu kan dawng ve maithei bawk.** State Meteorological Centre, Directorate of Science and Technology chuan Cyclone chetvel dan hi uluk takin a thlithlai reng a ni.

FORECAST TRACK AND INTENSITY ARE GIVEN IN THE FOLLOWING TABLE:

DATE/TIME(UTC)	POSITION (LAT. °N/ LONG. °E)	MAXIMUM SUSTAINED SURFACE WIND SPEED (KMPH)	CATEGORY OF CYCLONIC DISTURBANCE
18.05.20/0000	13.2/86.3	180-190 GUSTING TO 210	EXTREMELY SEVERE CYCLONIC STORM
18.05.20/0600	14.0/86.4	200-210 GUSTING TO 230	EXTREMELY SEVERE CYCLONIC STORM
18.05.20/1200	14.6/86.5	220-230 GUSTING TO 255	SUPER CYCLONIC STORM
18.05.20/1800	15.2/86.6	230-240 GUSTING TO 265	SUPER CYCLONIC STORM
19.05.20/0000	15.9/86.8	220-230 GUSTING TO 255	SUPER CYCLONIC STORM
19.05.20/1200	17.6/87.2	200-210 GUSTING TO 220	EXTREMELY SEVERE CYCLONIC STORM
20.05.20/0000	19.9/87.8	180-190 GUSTING TO 210	EXTREMELY SEVERE CYCLONIC STORM
20.05.20/1200	22.1/88.6	145-155 GUSTING TO 170	VERY SEVERE CYCLONIC STORM
21.05.20/0000	24.0/89.3	80-90 GUSTING TO 100	CYCLONIC STORM
21.05.20/1200	25.9/90.0	40-50 GUSTING TO 60	DEPRESSION





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STATE METEOROLOGICAL CENTRE Directorate of Science and Technology Government of Mizoram

DATE

Cyclone Warning

May 19, 2020

Cyclone Amphan

Time of Issue : 11:00 AM

Source : Regional Specialised Meteorological Centre, New Delhi (https://mausam.imd.gov.in/imd_latest/contents/cyclone.php)

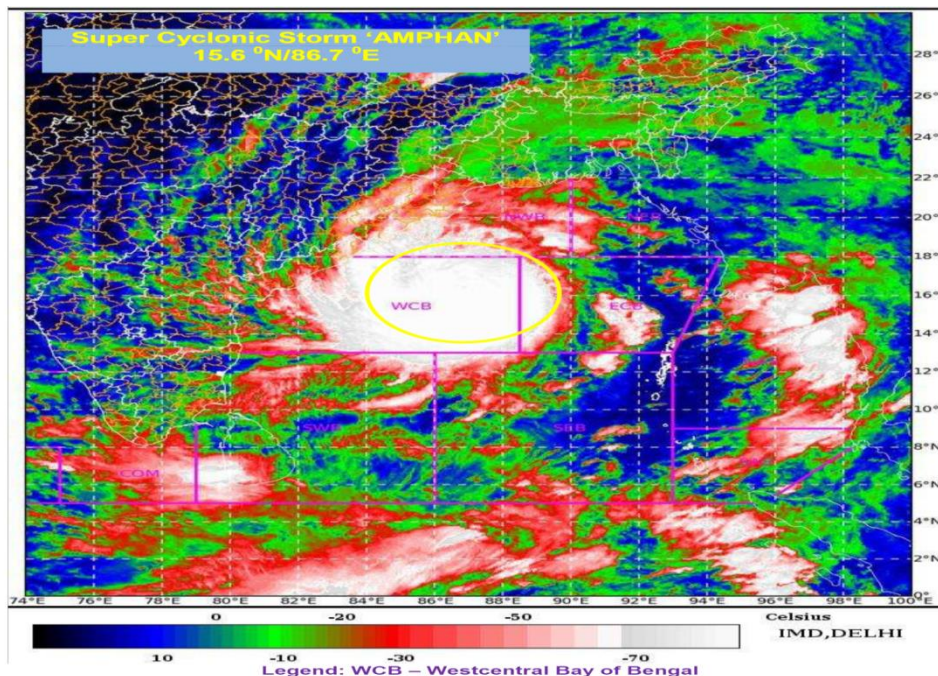
Bay of Bengal tuipui chhim lama Cyclone na tak(Super Cyclonic Storm) Amphan chuan tukin zing khan darkar khata KM 14 vela chakin hmar lam atangin hmar chhak lam a pan a, tukin dar 5:30 AM velah khan Odisha atanga chhim lam KM 520, West Bengal atanga chhim thlang lam KM 670 vel leh Bangladesh atanga chhim thlang lam KM 800 velah a thawk a ni. Vawiin chawhma lam hian tlema na lo deuh zawk(extremely severe cyclonic storm)-in tleh chhunzawm tura rin a ni. Bay of Bengal hmar thlang lam leh West Bengal tuipui kam leh Bangladesh tupui kam vel hrutin hmar chhak lam pan zel tura rin a ni a, May ni 20(Nilaini) velah hian thlipui na tak, darkar khata KM 155 atanga darkar khata KM 185 inkar vela nain Sunderbans velah tleh chhunzawm tura ngaih a ni bawk. **Tun dinhmunah chuan Thlipui na tak chuan Mizoram chu nuai ve lo tura ngaih ni mah se, Cyclone siper leh ruah chu kan dawn ve rin a ni. Chuvang chuan chhiatna kan tawh loh nan a theih ang anga lo inralrin ve ni se.** State Meteorological Centre, Directorate of Science and Technology chuan Cyclone chetvel dan hi uluk takin a thlithlai reng a ni.

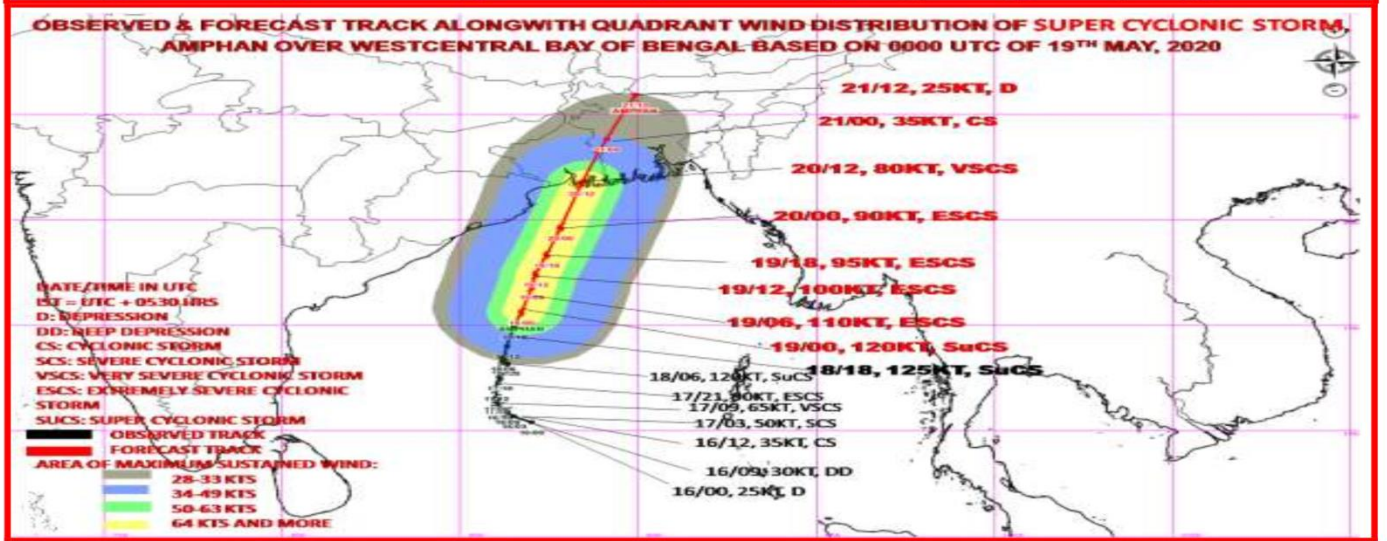
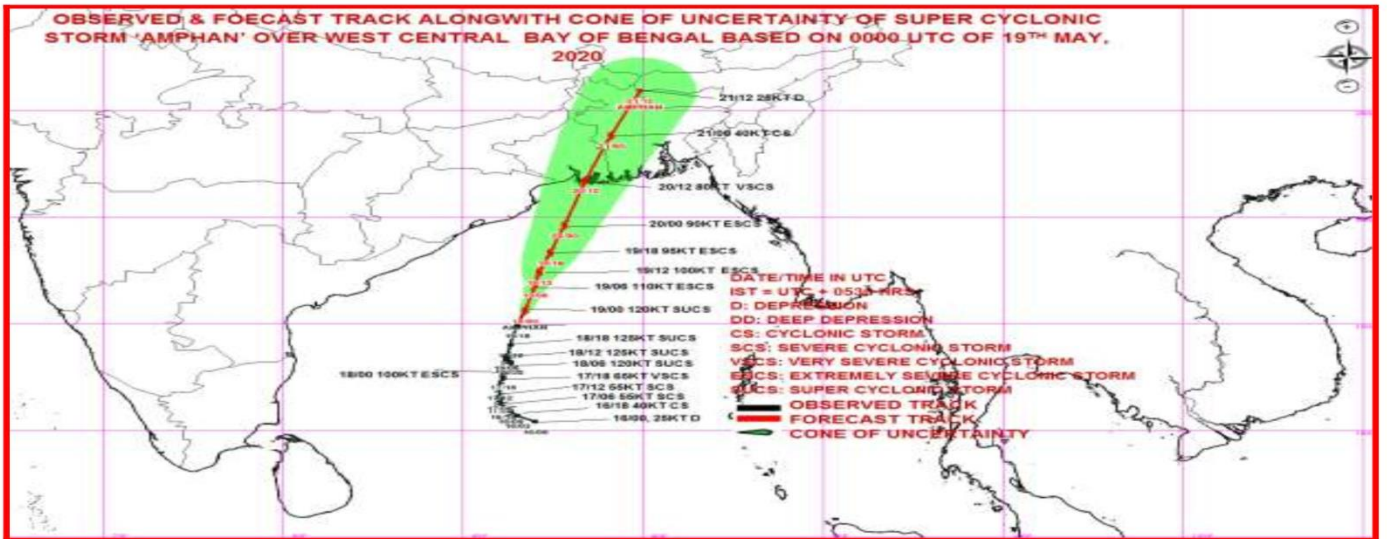
FORECAST TRACK AND INTENSITY ARE GIVEN IN THE FOLLOWING TABLE:

DATE/TIME(IST)	POSITION (LAT. °N/ LONG. °E)	MAXIMUM SUSTAINED SURFACE WIND SPEED (KMPH)	CATEGORY OF CYCLONIC DISTURBANCE
19.05.20/0000	15.6/86.7	225-235 GUSTING TO 255	SUPER CYCLONIC STORM
19.05.20/0600	16.8/87.0	200-210 GUSTING TO 230	EXTREMELY SEVERE CYCLONIC STORM
19.05.20/1200	17.4/87.1	190-200 GUSTING TO 220	EXTREMELY SEVERE CYCLONIC STORM
19.05.20/1800	18.3/87.4	180-190 GUSTING TO 210	EXTREMELY SEVERE CYCLONIC STORM
20.05.20/0000	19.6/87.8	170-180 GUSTING TO 200	EXTREMELY SEVERE CYCLONIC STORM
20.05.20/1200	21.7/88.4	135-145 GUSTING TO 160	VERY SEVERE CYCLONIC STORM
21.05.20/0000	23.8/89.1	60-70 GUSTING TO 80	CYCLONE
21.05.20/1200	25.9/89.9	40-50 GUSTING TO 60	DEPRESSION

PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)

NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%





MSW(knot)/kmph)	Impact	Action
28-33 / (52-61)	Very rough seas.	Total suspension of fishing operations
34-40/(62-74)	High to very high seas	Total suspension of fishing operations
41-63/(75-117)	Very High seas	Total suspension of fishing operations
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations

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



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STATE METEOROLOGICAL CENTRE Directorate of Science and Technology Government of Mizoram

DATE

Cyclone Warning

May 20, 2020

Cyclone Amphan

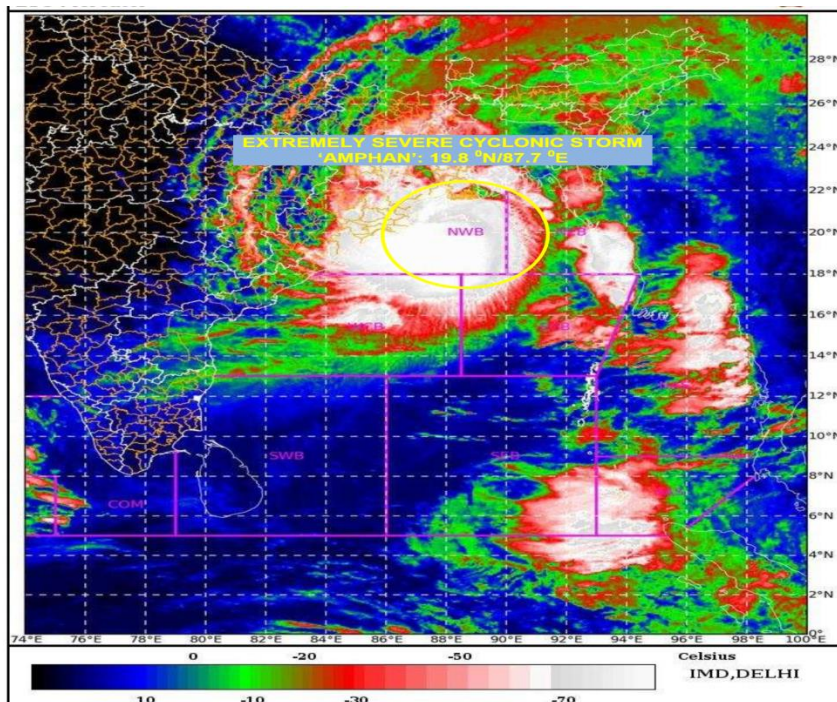
Time of Issue : 11:15 AM

Source : Regional Specialised Meteorological Centre, New Delhi (https://mausam.imd.gov.in/imd_latest/contents/cyclone.php)

Bay of Bengal tuipui hmar thlang lama Cyclone na tak(Super Cyclonic Storm) Amphan tleh mek chuan tukin zing khan darkar khata KM 22 vela chakin hmar chhak lam a pan a, tukin dar 8:30 AM velah khan Odisha atanga chhim chhak lam KM 120, West Bengal atanga chhim lam KM 200 vel leh Bangladesh atanga chhim thlang lam KM 360 velah thli na ve tak (extremely severe cyclonic storm)-in a thawk a. Bay of Bengal hmar thlang lam leh West Bengal tuipui kam leh Bangladesh tupui kam vel hrutin hmar chhak lam pan zel tura rin a ni a, Vawiin, May ni 20(Nilaini) chawhnu velah hian thlipui na tak, darkar khata KM 155 atanga darkar khata KM 185 inkar vela nain Sunderbans velah tleh chhunzawm tura ngaih a ni bawk. **Tun dinhmunah chuan Thlipui na tak chuan Mizoram chu nuai ve lo tura ngaih ni mah se, Cyclone siper leh ruah chu kan dawn ve rin a ni. Chuvang chuan chhiatna kan tawh loh nan a theih ang anga lo inralrin ve ni se.** State Meteorological Centre, Directorate of Science and Technology chuan Cyclone chetvel dan hi uluk takin a thlithlai reng a ni.

FORECAST TRACK AND INTENSITY ARE GIVEN IN THE FOLLOWING TABLE:

Date/Time(UTC)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
20.05.20/0300	19.8/87.7	165-175 gusting to 195	Extremely Severe Cyclonic Storm
20.05.20/0600	20.5/88.0	160-170 gusting to 190	Extremely Severe Cyclonic Storm
20.05.20/1200	22.0/88.4	150-160 gusting to 180	Very Severe Cyclonic Storm
20.05.20/1800	23.2/88.8	110-120 gusting to 135	Severe Cyclonic Storm
21.05.20/0000	24.6/89.3	60-70 gusting to 80	Cyclonic Storm
21.05.20/1200	26.0/90.3	30-40 gusting to 50	Depression



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

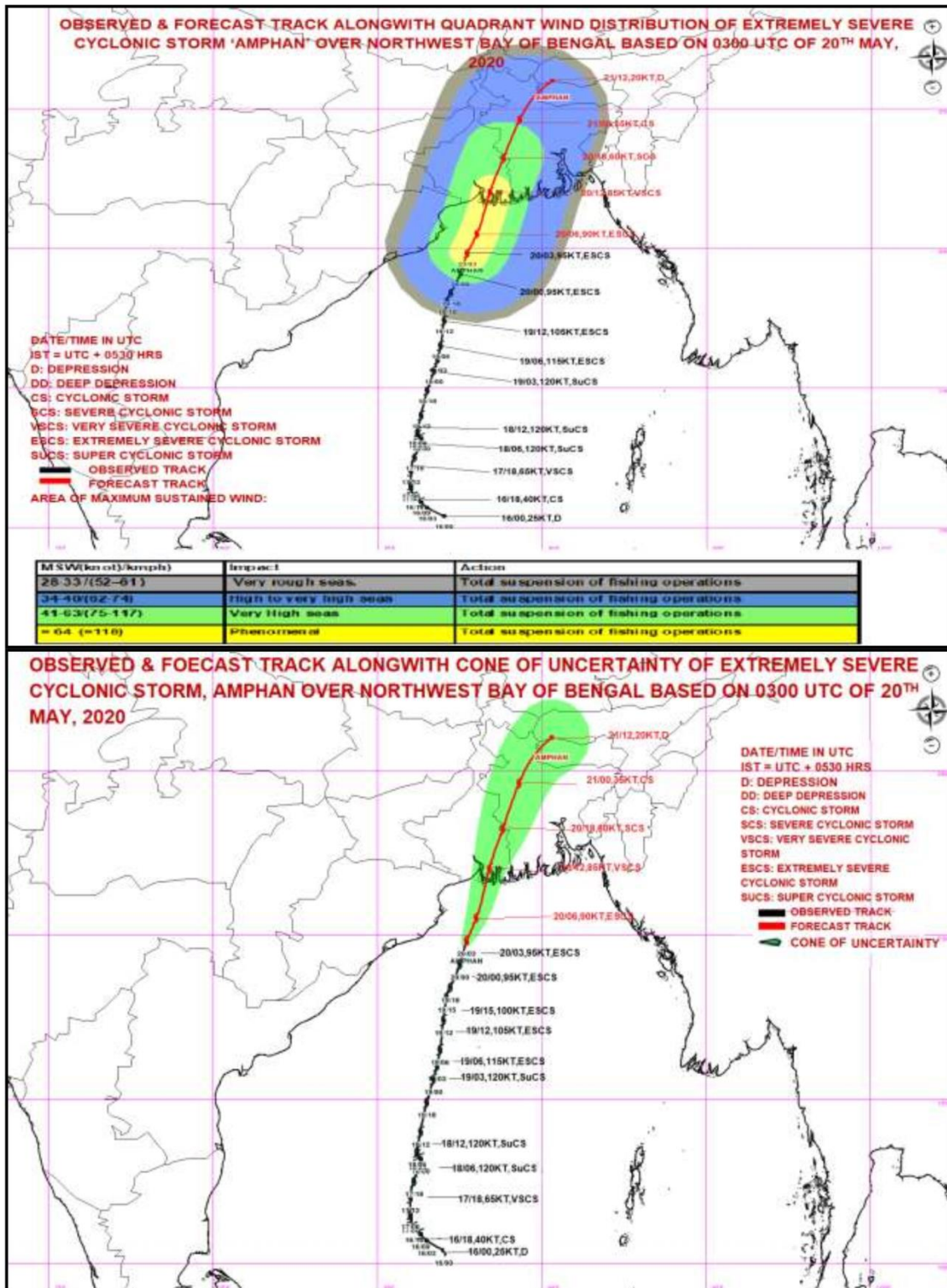


Figure: Storm Surge forecast from INCOIS issued at 0818 IST of 20th May 2020



STATE METEOROLOGICAL CENTRE
Directorate of Science and Technology
Government of Mizoram

DATE

Cyclone Warning

May 21, 2020

Cyclone Amphan A Tleh Zo Tan

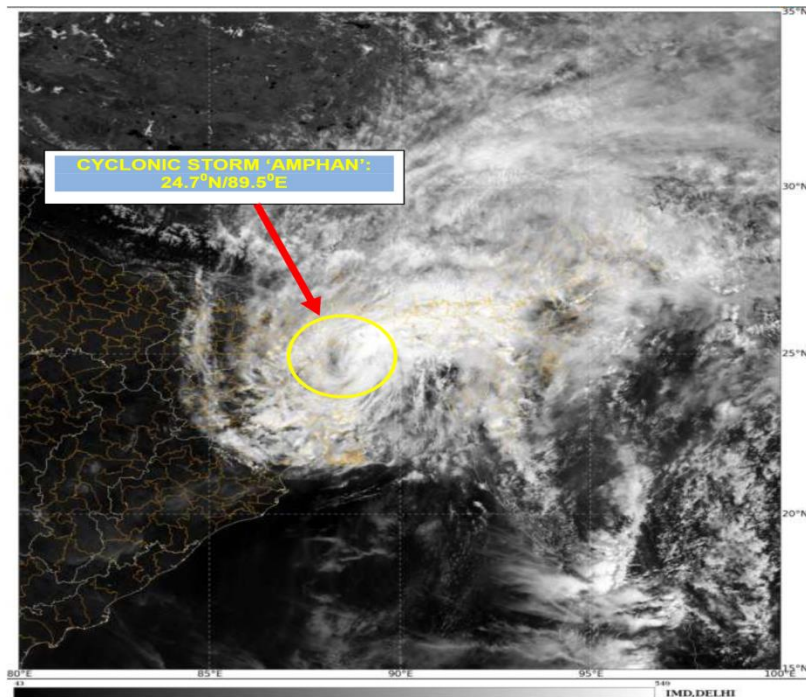
Time of Issue : 2:00 PM

Source : Regional Specialised Meteorological Centre, New Delhi (https://mausam.imd.gov.in/imd_latest/contents/cyclone.php)

Bay of Bengal tuipui aţanga insiam Cyclone na tak(Super Cyclonic Storm) Amphan tleh mek chuan tukin zing khan darkar khata KM 10 vela chakin hmar chhak lam a pan a, tukin dar 8:30 AM velah khan Kolkata aţanga hmar chhak lam KM 270, Dhubri(Assam) aţanga chhim lam KM 150 vel leh Rangpur(Bangladesh) aţanga chhim chhak lam KM 110 velah thlipui na lo deuh zawk (cyclonic storm)-in a thawk a. **Cyclone siper hian Mizoram hmar lam pawh na vak loin tukin khan a hrut ve a, Aizawla State Meteorological Centre, Directorate of Science and Technology Observatory-ah chuan thli nat zawng hi darkar khata KM 40 bawr velin teh a ni.** Cyclone Amphan hian hmar lam aţanga hmar chhak lam pan zel tura ngaih niin vawiin lamah chuan thlipui pangngai ang ni tawh loin cyclone note(atmospheric depression), darkar khata KM 30 – 50 inkar vel chauha nain thawk tawh tura ngaih a ni. **Mizoram tan phei chuan hlauhawm awm tawh lo tura ngaih a ni.** State Meteorological Centre, Directorate of Science and Technology chuan Cyclone chetvel dan hi uluk takin a thlithlai reng a ni.

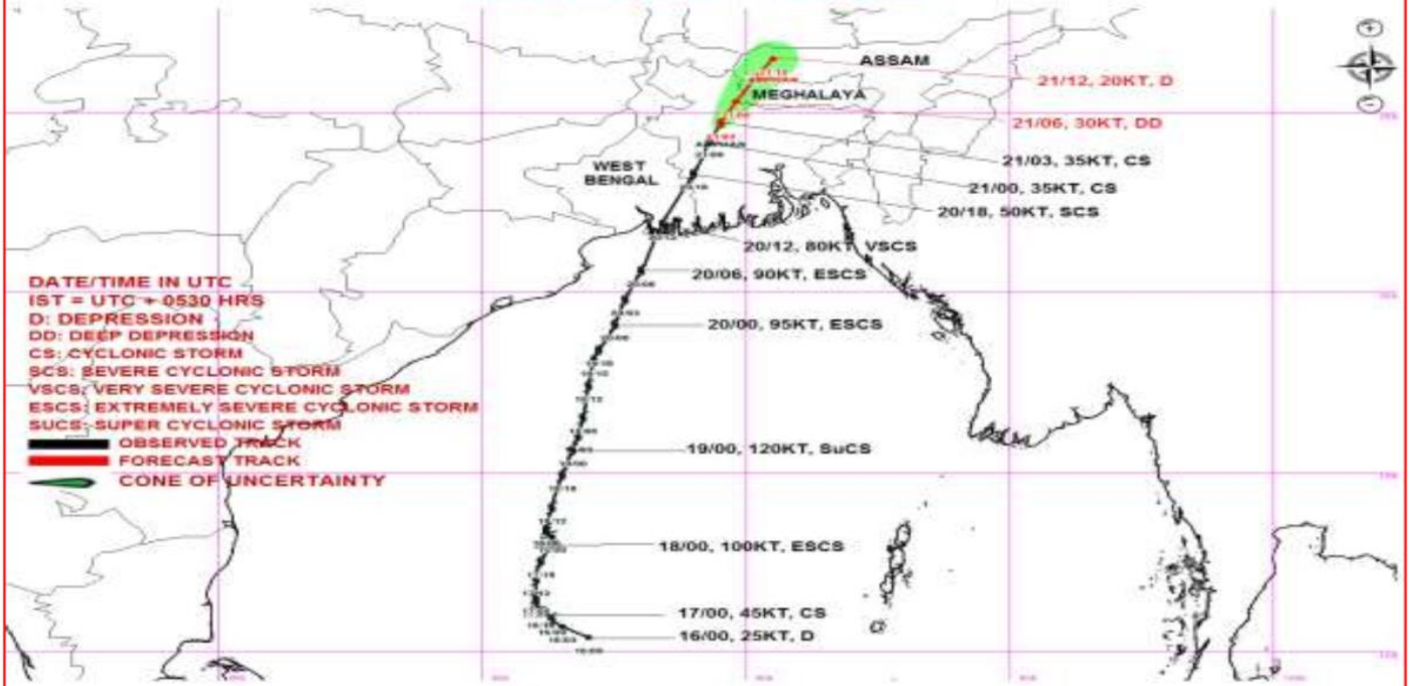
FORECAST TRACK AND INTENSITY ARE GIVEN IN THE FOLLOWING TABLE:

DATE/TIME(UTC)	POSITION (LAT. °N/ LONG. °E)	MAXIMUM SUSTAINED SURFACE WIND SPEED (KMPH)	CATEGORY OF CYCLONIC DISTURBANCE
21.05.20/0300	24.7/89.5	60-70 GUSTING TO 80	CYCLONIC STORM
21.05.20/0600	25.3/89.8	50-60 GUSTING TO 70	DEEP DEPRESSION
21.05.20/1200	26.5/90.5	30-40 GUSTING TO 50	DEPRESSION

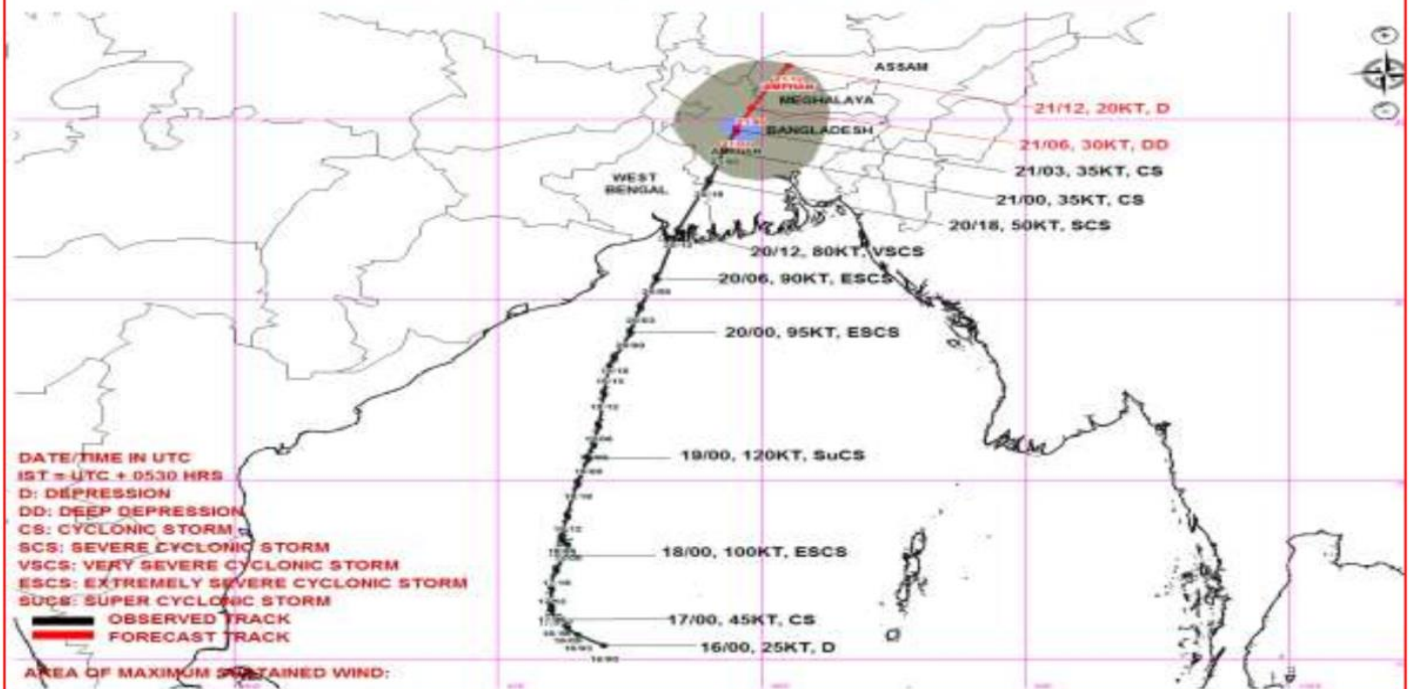


Legend: WCB – Westcentral Bay of Bengal
 NWB – Northwest Bay of Bengal

OBSERVED & FORECAST TRACK OF SUPER CYCLONIC STORM 'AMPHAN' BASED ON 0300 UTC OF 21ST MAY, 2020



OBSERVED & FORECAST TRACK AND WIND DISTRIBUTION OF SUPER CYCLONIC STORM 'AMPHAN' BASED ON 0300 UTC OF 21ST MAY, 2020



MSW(knot)/kmph)	Impact	Action
28-33 ((52-61)	Very rough seas.	Total suspension of fishing operations
34-40/(62-74)	High to very high seas	Total suspension of fishing operations

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