



**India Meteorological Department  
Earth System Science Organisation  
(Ministry of Earth Sciences)**

**BULLETIN NO.: 06 (BAY OF BENGAL 01/2020)**

**TIME OF ISSUE: 2300 HOURS IST**

**DATED: 16.05.2020**

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**Sub: The Cyclonic Storm 'AMPHAN' (pronounced as UM-PUN) over Southeast Bay of Bengal and neighbourhood. Cyclone Watch for West Bengal and North Odisha Coasts: Yellow Message.**

The Cyclonic Storm '**AMPHAN**' (pronounced as **UM-PUN**) over Southeast Bay of Bengal and neighbourhood moved northwestwards slowly during past 06 hours and lay centred over the same region at 2030 hrs IST of today, the 16<sup>th</sup> May, 2020 near latitude 11.0°N and longitude 86.2°E, about 1030 km south of Paradip (Odisha), 1190 km south-southwest of Digha (West Bengal) and 1290 km south-southwest of Khepupara (Bangladesh). It is very likely to intensify further into a Severe Cyclonic Storm during next 12 hours and into a Very Severe Cyclonic Storm by 18<sup>th</sup> morning. It is very likely to move north-northwestwards initially till 17<sup>th</sup> May and then re-curve north-northeastwards across northwest Bay of Bengal towards West Bengal and adjoining North Odisha coasts during 18<sup>th</sup> to 20<sup>th</sup> May 2020.

Forecast track and intensity are given in the following table:

<b>Date/Time(IST)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (Kmph)</b>	<b>Category of cyclonic disturbance</b>
16.05.20/2030	11.0/86.2	65-75 gusting to 85	Cyclonic Storm
16.05.20/2330	11.1/86.1	70-80 gusting to 90	Cyclonic Storm
17.05.20/0530	11.7/86.0	80-90 gusting to 100	Cyclonic Storm
17.05.20/1130	12.2/86.0	90-100 gusting to 110	Severe Cyclonic Storm
17.05.20/1730	12.8/86.0	105-115 gusting to 125	Severe Cyclonic Storm
18.05.20/0530	14.0/86.0	125-135 gusting to 150	Very Severe Cyclonic Storm
18.05.20/1730	15.1/86.1	145-155 gusting to 170	Very Severe Cyclonic Storm
19.05.20/0530	16.7/86.4	160-170 gusting to 190	Extremely Severe Cyclonic Storm
19.05.20/1730	18.3/86.8	160-170 gusting to 190	Extremely Severe Cyclonic Storm
20.05.20/0530	20.1/87.4	155-165 gusting to 180	Very Severe Cyclonic Storm
20.05.20/1730	22.2/88.0	135-145 gusting to 160	Very Severe Cyclonic Storm
21.05.20/0530	24.4/88.5	80-90 gusting to 100	Cyclonic Storm
21.05.20/1730	26.0/89.0	40-50 gusting to 100	Depression

**Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%**

**Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.**

## Warnings:

### (i) Rainfall (over Andaman & Nicobar Islands):

- Light to moderate rainfall at most places with heavy falls at isolated places is very likely over Andaman & Nicobar Islands during next 12 hours.

### • Rainfall (over Odisha & Gangetic West Bengal)

Coastal Odisha is likely to experience light to moderate rainfall at many places with heavy falls at isolated places from 18<sup>th</sup> May evening, heavy to very heavy rainfall at a few places on 19<sup>th</sup> May and isolated heavy rainfall over northeast Odisha on 20<sup>th</sup> May 2020. Coastal districts of Gangetic West Bengal are likely to experience light to moderate rainfall at many places with heavy falls at a few places on 19<sup>th</sup> May, heavy to very heavy falls at a few places with extremely heavy falls at isolated places over Gangetic West Bengal on 20<sup>th</sup> May.

### (ii) Wind warning

- Squally wind speed reaching 45 to 55 kmph gusting to 65 kmph is likely to commence along and off south Odisha coast from 18<sup>th</sup> evening, extent over to north Odisha coast from 19<sup>th</sup> morning and along and off West Bengal coast from 19<sup>th</sup> afternoon. The wind speed will gradually increase becoming gale wind speed reaching 75 to 85 kmph gusting to 95 kmph from 20<sup>th</sup> morning along and off north Odisha and West Bengal coast. It will gradually increase thereafter.
- Squally wind speed reaching 45 to 55 kmph gusting to 65 kmph is likely over Andaman Sea during next 36 hours.
- Squally wind speed reaching 65 to 75 kmph gusting to 85 kmph is prevailing over southeast and adjoining southwest Bay of Bengal. It is likely to increase becoming 90-100 gusting to 110 kmph over eastcentral and adjoining west central Bay of Bengal by 17<sup>th</sup> evening, 125-135 gusting to 150 kmph over southern parts of central Bay of Bengal by 18<sup>th</sup> morning, 160-170 gusting to 190 kmph over northern parts of central Bay of Bengal and adjoining north Bay of Bengal on 19<sup>th</sup>, and 155-165 gusting to 180 kmph over north Bay of Bengal by 20<sup>th</sup> morning.

### (iii) Sea condition

Sea condition will be high over southwest and adjoining central Bay of Bengal during next 12 hours, very high over the same region from 17<sup>th</sup> morning. It will become phenomenal over southern parts of central Bay of Bengal on 18<sup>th</sup>, over northern parts of central Bay of Bengal and adjoining north Bay of Bengal on 19<sup>th</sup> May and over north Bay of Bengal on 20<sup>th</sup> May 2020.

### (iv) Fishermen Warning

- The fishermen are advised not to venture into south Bay of Bengal till 17<sup>th</sup> May, to central Bay of Bengal during 17<sup>th</sup> to 18<sup>th</sup> May and north Bay of Bengal during 19 to 20<sup>th</sup> May 2020.
- Also, fishermen are advised not to venture into north Bay of Bengal along and off North Odisha, West Bengal and adjoining Bangladesh coast during 18<sup>th</sup> to 20<sup>th</sup> May 2020.

Kindly visit [www.rsmcnewdelhi.imd.gov.in](http://www.rsmcnewdelhi.imd.gov.in) and [www.mausam.imd.gov.in](http://www.mausam.imd.gov.in) for updates on the system.

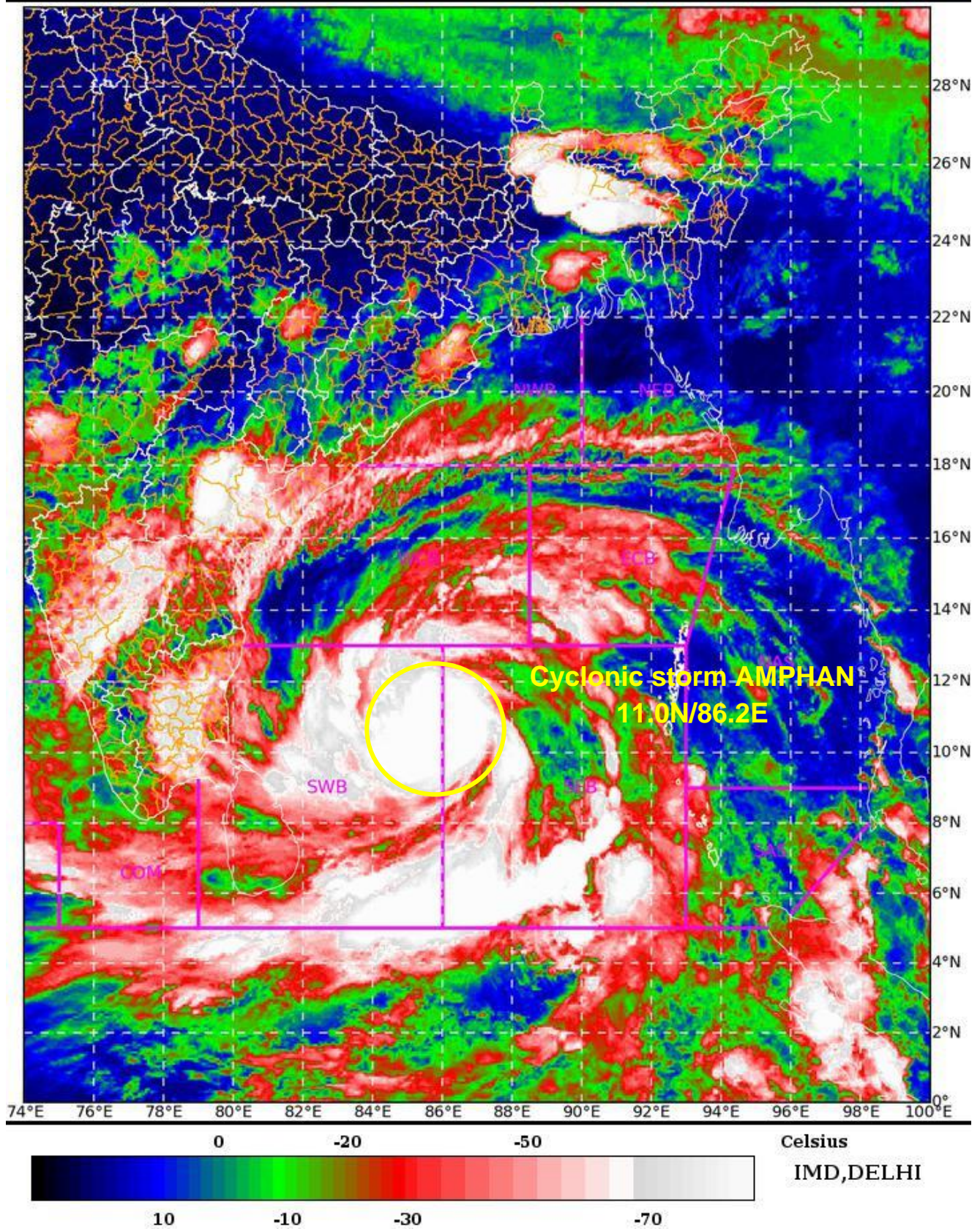
**Next Bulletin will be issued at 0230 hours IST of 17<sup>th</sup> May, 2020.**

**(D. R. Pattanaik)**  
**Scientist-F, RSMC, New Delhi**

**Copy to: CRS, Pune/ ACWC Chennai/ ACWC Kolkata/CWC Bhubaneswar/ /CWC Visakhapatnam**

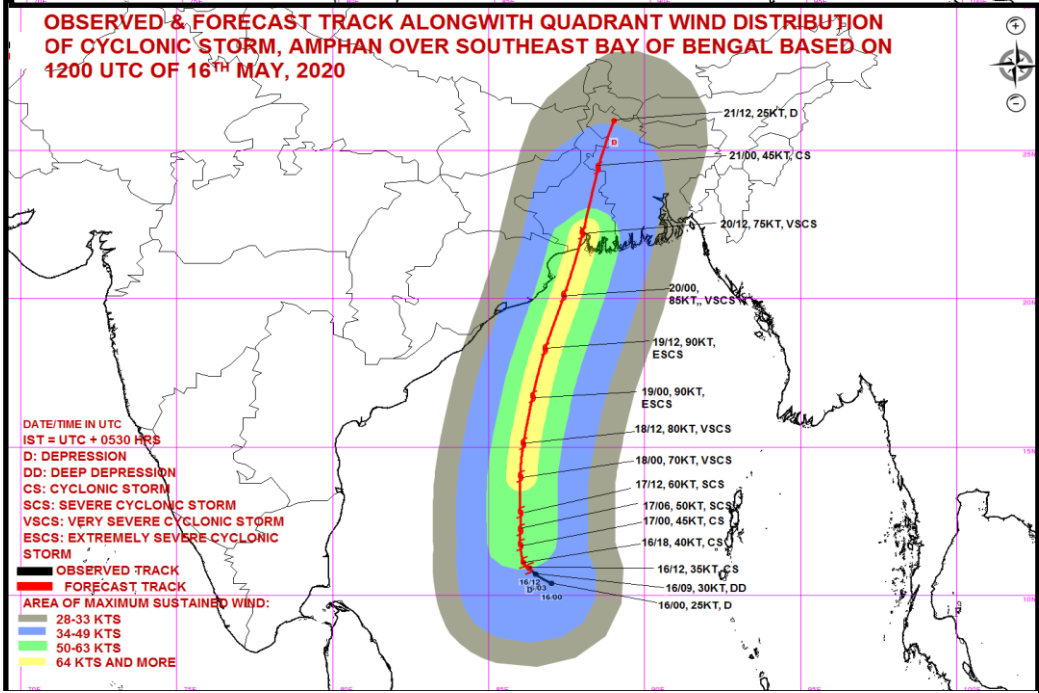
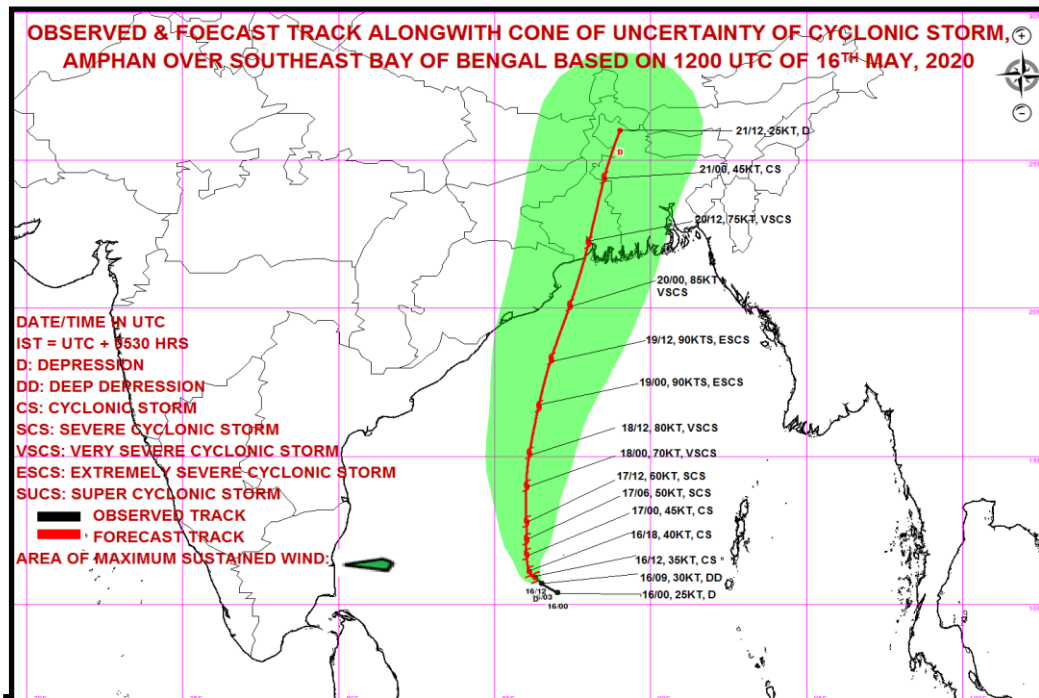


SAT : INSAT-3D IMG      16-05-2020/(1630 to 1656) GMT  
 IMG\_TIR1\_TEMP 10.8 um    16-05-2020/(2200 to 2226) IST  
 L1C Mercator



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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

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