



SPECIAL BULLETIN NO.-8

DATE: 16.05.2020

TIME: 2100 HRS IST

Sub: Deep Depression over southeast Bay of Bengal intensified into a Cyclonic Storm 'AMPHAN' (pronounced as UM-PUN). Cyclone Watch for West Bengal and North Odisha Coasts: **Yellow Message.**

The deep depression over Southeast Bay of Bengal and neighbourhood remained practically stationary during past 06 hours and rapidly intensified into a Cyclonic Storm 'AMPHAN' (pronounced as UM-PUN). It lay centred over the same region at 1730 hrs IST of today, the 16th May, 2020 near latitude 10.9°N and longitude 86.3°E, about 1040 km south of Paradip (Odisha), 1200 km south-southwest of Digha (West Bengal) and 1300 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 18th morning. It is very likely to move north-northwestwards initially till 17th May and then re-curve north-northeastwards across northwest Bay of Bengal towards West Bengal and adjoining North Odisha coasts during 18th to 20th May 2020.

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
16.05.20/1730	10.9/86.3	60-70 gusting to 80	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

WEATHER FORECAST AND WARNING FOR NEXT FIVE DAYS IN ASSOCIATED OF THIS SYSTEM AS FOLLOWS:

RAINFALL: NO WARNING FOR DAY 1 AND DAY2.

DAYS	FORECAST	HEAVY RAINFALL WARNING
Day 3 (Valid from 0830 hrs IST of 18.05.2020 upto 0830 HRS IST of 19.05.2020)	Light to moderate rain or thundershower very likely to occur at many places over the districts of coastal Odisha and Koraput, Rayagada, at one or two places over rest district of Odisha.	YELLOW WARNING (BE UPDATED): Heavy rainfall very likely to occur at isolated places over the district of Gajapati, Ganjam, Puri, Jagatsinghpur and Kendrapara. Rainfall will commence from 18th May evening.

Day 4 (Valid from 0830 hrs IST of 19.05.2020 up to 0830 HRS IST of 20.05.2020)	Light to moderate rain or thundershower very likely to occur at most places over the districts of coastal Odisha, at a few places over districts of rest Odisha.	<u>ORANGE WARNING (BE PREPARED):</u> Heavy to very heavy rainfall very likely to occur at a few places over the districts of coastal Odisha.
Day 5 (Valid from 0830 hrs IST of 20.05.2020 up to 0830 HRS IST of 21.05.2020)	Light to moderate rain or thundershower very likely to occur at many Place over the district of North Coastal Odisha and at a few places over the rest districts of Odisha.	<u>YELLOW WARNING (BE UPDATED):</u> Heavy rainfall very likely to occur at isolated places over the district of Balasore, Bhadrak, Mayurbhanj and Keonjhar.

WIND WARNING:

Odisha Coast:

Yellow Warning (Be Updated): -Squally wind speed reaching 45 to 55 kmph gusting to 65 kmph is likely to commence along and off south Odisha coast from 18th evening.

Orange Warning (Be Prepared):

Squally wind speed reaching 45 to 55 kmph gusting to 65 kmph is likely along and off Odisha coast from 19th morning. The wind speed will gradually increase becoming gale wind speed reaching 75 to 85 kmph gusting to 95 kmph from 20th morning along and off north Odisha coast. It will gradually increase thereafter.

Bay of Bengal

Squally wind speed reaching 60 to 70 kmph gusting to 80 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 17th evening, 125-135 gusting to 150 kmph over southern parts of central Bay of Bengal by 18th morning, 160-170 gusting to 190 kmph over northern parts of central Bay of Bengal and adjoining north Bay of Bengal on 19th, and 155-165 gusting to 180 kmph over north Bay of Bengal by 20th morning.

Sea condition

Sea condition will be high over southwest and adjoining central Bay of Bengal during the 16th May night and it will be very high over the same region from 17th morning. It will become phenomenal over southern parts of central Bay of Bengal on 18th, over northern parts of central Bay of Bengal and adjoining north Bay of Bengal on 19th May and over north Bay of Bengal on 20th May 2020.

Fishermen Warning

Fishermen warning for deep sea area:

The fishermen are advised not to venture into south Bay of Bengal from 16th to 17th May, to central Bay of Bengal 17th to 18th May and north Bay of Bengal during 19 to 20th May 2020.

Fishermen warning for Odisha Coast: (Red Warning(Take Action))

Fishermen are advised not to venture into the sea along and off Odisha coast from 18th May onwards till further notice. Those who are out of sea are advised to return to the coast by 17th May, 2020.

Port Warning:

Replace Distant Cautionary Signal No. One (DC-I) by Distance Warning Signal No. 2 (DW-2) at all ports of Odisha.

N.B: 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.

(H.R.Biswas)

Scientist 'E' & Head

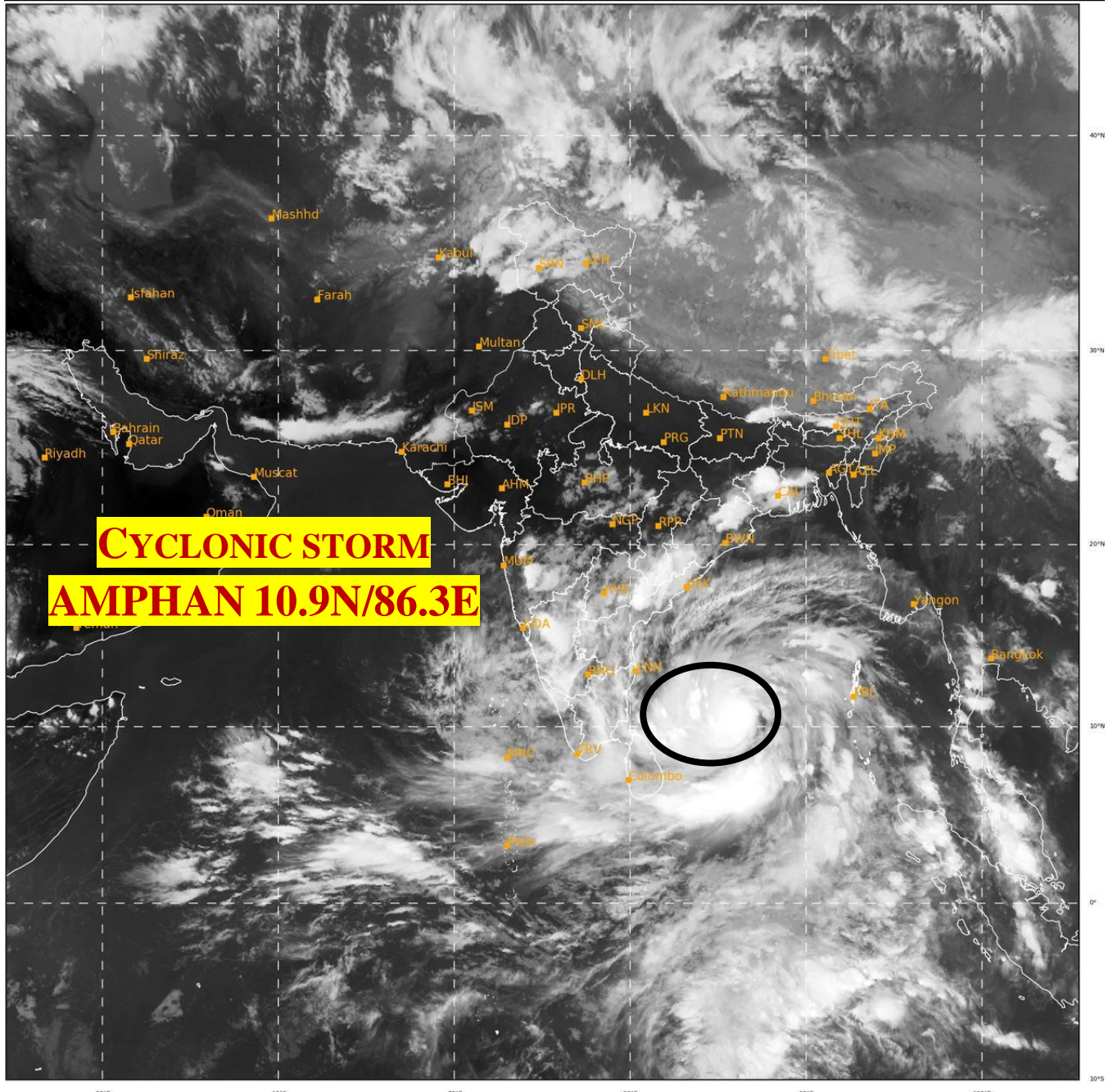
Meteorological Centre, Bhubaneswar

1. Chief Secretary, Govt. of Odisha.
2. Principal Secretary, Revenue & Disaster Management, Govt. of Odisha.
3. Principal Secretary, Dept. of Agriculture, Govt. of Odisha.
4. Principal Secretary, Department of Water Resources, Govt, of Odisha.
5. Special Relief Commissioner (SRC), Govt. of Odisha Bhubaneswar.
6. Revenue Secretary, Govt. of Odisha, Bhubaneswar.
7. M.D., OSDMA, Govt. of Odisha, Bhubaneswar.
8. RDC, Central Division/ Southern Division/ Northern Division.
9. Air Cuttack / Doordarshan.
- 10.



SAT : INSAT-3D IMG
IMG_TIR1 10.8 um
LIC Mercator

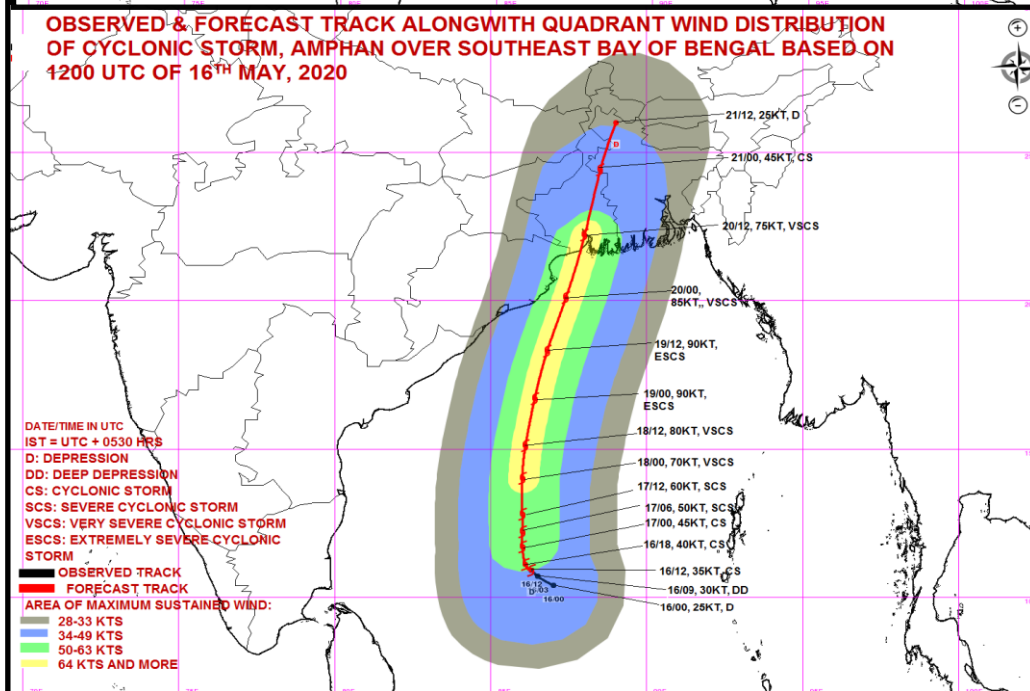
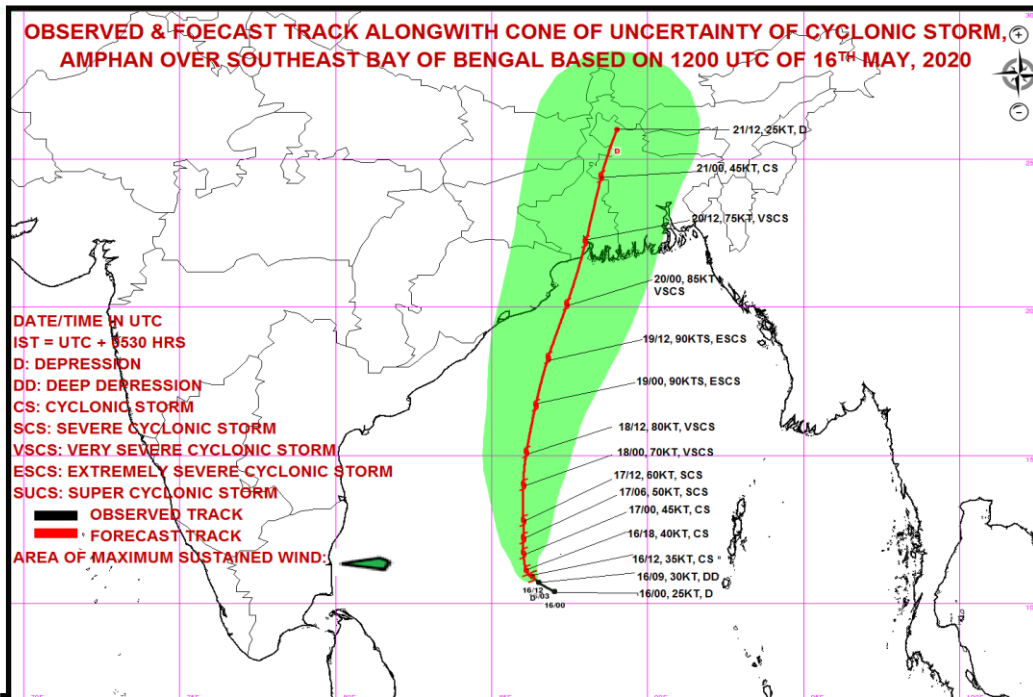
16-05-2020/(1330 to 1356) GMT
16-05-2020/(1900 to 1926) IST



400

949

IMD, DELHI



MSW(knot)/kmph)	Impact	Action
28-33 / (62-61)	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