



SPECIAL BULLETIN NO.-11

**DATE: 17.05.2020
TIME: 1430 HRS IST**

SUB: Severe Cyclonic Storm 'AMPHAN' (pronounced as UM-PUN) over central parts of South Bay of Bengal: Cyclone Alert for West Bengal and north Odisha coasts: Yellow Message.

The Severe Cyclonic Storm 'AMPHAN' (pronounced as UM-PUN) over Southeast Bay of Bengal and neighbourhood slightly moved and lay centred over central parts of South Bay of Bengal and neighbourhood at 1130 hrs IST of today, the 17th May, 2020 near latitude 11.5°N and longitude 86.0°E, about 980 km south of Paradip (Odisha), 1130 km south-southwest of Digha (West Bengal) and 1250 km south-southwest of Khepupara (Bangladesh). It is very likely to intensify further into a Very Severe Cyclonic Storm during next 12 hours. It is very likely to move nearly northwards slowly during next 24 hours and then re-curve north-northeastwards and move fast across northwest Bay of Bengal and cross West Bengal – Bangladesh coasts between Digha (West Bengal) and Hatiya Islands (Bangladesh) during the Afternoon / Evening of 20th May 2020 as a Very Severe Cyclonic Storm.

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 |
|----------------|------------------------------|---|----------------------------------|
| 17.05.20/1130 | 11.5/86.0 | 95-105 gusting to 115 | SEVERE CYCLONIC STORM |
| 17.05.20/1730 | 12.2/86.0 | 105-115 gusting to 125 | SEVERE CYCLONIC STORM |
| 17.05.20/2330 | 12.9/86.0 | 115-125 gusting to 140 | VERY SEVERE CYCLONIC STORM |
| 18.05.20/0530 | 13.5/86.0 | 125-135 gusting to 150 | VERY SEVERE CYCLONIC STORM |
| 18.05.20/1130 | 14.0/86.1 | 135-145 gusting to 160 | VERY SEVERE CYCLONIC STORM |
| 18.05.20/2330 | 15.2/86.3 | 155-165 gusting to 180 | VERY SEVERE CYCLONIC STORM |
| 19.05.20/1130 | 16.6/86.7 | 170-180 gusting to 200 | EXTREMELY SEVERE CYCLONIC STORM |
| 19.05.20/2330 | 18.4/87.2 | 170-180 gusting to 200 | EXTREMELY SEVERE CYCLONIC STORM |
| 20.05.20/1130 | 20.4/87.7 | 160-170 gusting to 190 | EXTREMELY SEVERE CYCLONIC STORM |
| 20.05.20/2330 | 22.4/88.2 | 125-135 gusting to 150 | VERY SEVERE CYCLONIC STORM |
| 21.05.20/1130 | 24.2/88.7 | 70-80 gusting to 90 | CYCLONIC STORM |
| 21.05.20/2330 | 26.0/89.2 | 40-50 gusting to 60 | DEPRESSION |

WEATHER FORECAST AND WARNING FOR NEXT FIVE DAYS

RAINFALL:

| DAYS | FORECAST | HEAVY RAINFALL WARNING |
|--|--|--|
| Day 1 (Valid upto 0830 HRS IST of 18.05.2020) | Light to moderate rain or thundershower very likely to occur at one or two places over the districts of coastal Odisha and Koraput, Rayagada, Malkangiri, Nawarangpur, Knadhamal, Keonjhar, Mayurbhanj, Dhenkanal and dry weather likely to prevail over rest districts of Odisha. | NIL |
| Day 2 (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 3 (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. | ORANGE WARNING (BE PREPARED): Heavy to very heavy rainfall very likely to occur at a few places over the districts of coastal Odisha. |
| Day 4 (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 most places over the district of North Coastal Odisha, Mayurbhanj and at a few places over the rest districts of Odisha. | YELLOW WARNING (BE UPDATED): Heavy rainfall very likely to occur at isolated places over the district of Balasore, Bhadrak, Jajpur, Kendrapara, Mayurbhanj and Keonjhar. |
| Day 5 (Valid from 0830 hrs IST of 21.05.2020 up to 0830 HRS IST of 22.05.2020) | Light to moderate rain or thundershower very likely to occur at one or two places over the district of North Odisha and dry weather likely to prevail over the district of south Odisha | NIL |

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 on 19th May. 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 becoming 110 to 120 kmph gusting to 135 kmph along & off North Odisha coast from the afternoon of 20th May 2020.

Bay of Bengal

Gale wind speed reaching 95-105 gusting to 115 kmph is prevailing over southeast and adjoining southwest Bay of Bengal. It is likely to increase becoming 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 during 20th May.

Sea condition

Sea condition will very high over central parts of south Bay of Bengal and adjoining central Bay of Bengal during next 24 hours. It will become phenomenal over southern parts of central Bay of Bengal from tonight, 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 till 17th May, to central Bay of Bengal during 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 tonight, 17th May, 2020.

Port Warning:

Keep hoisted Distant 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)

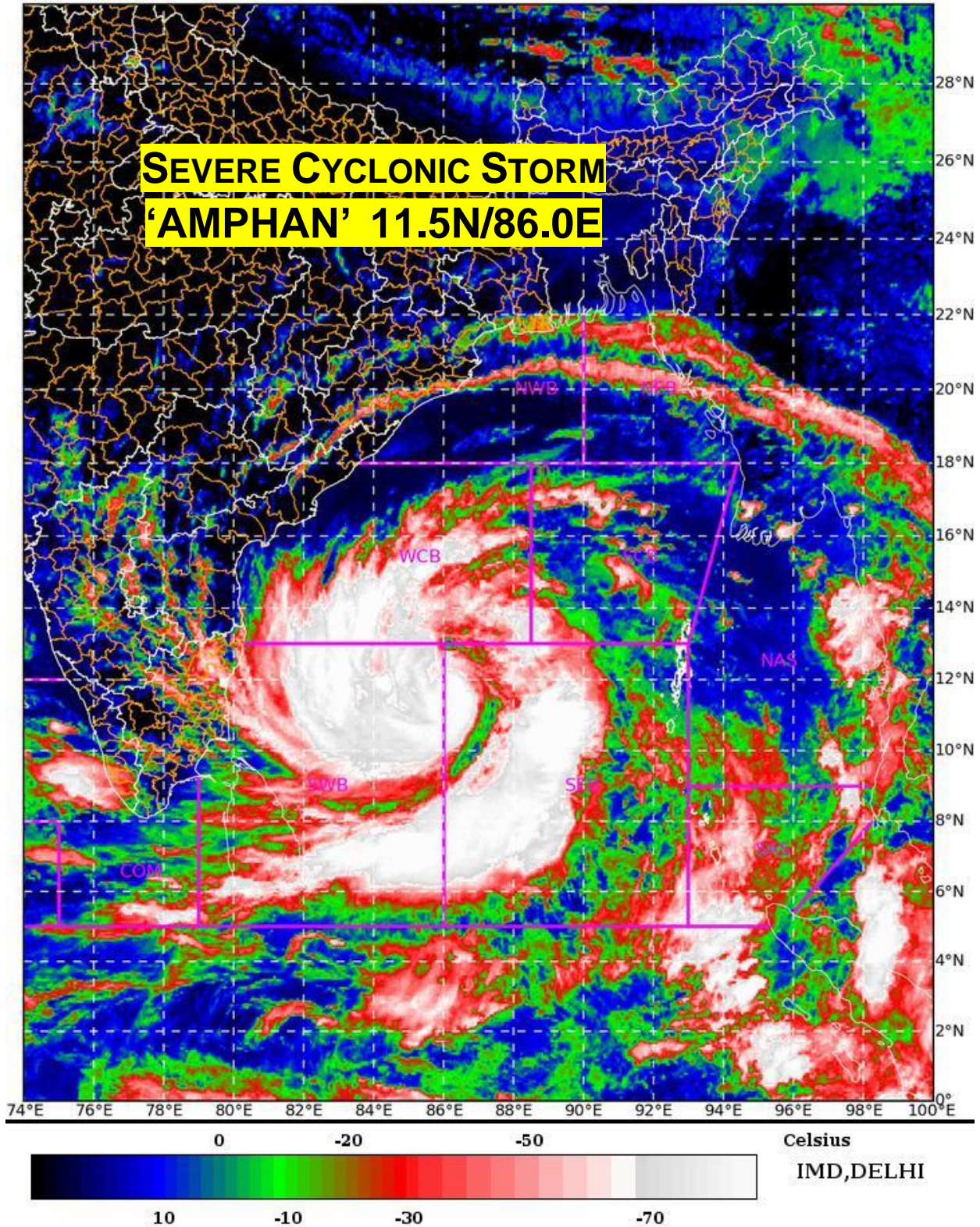
Scientist 'E' & Head

Meteorological Centre, Bhubaneswar

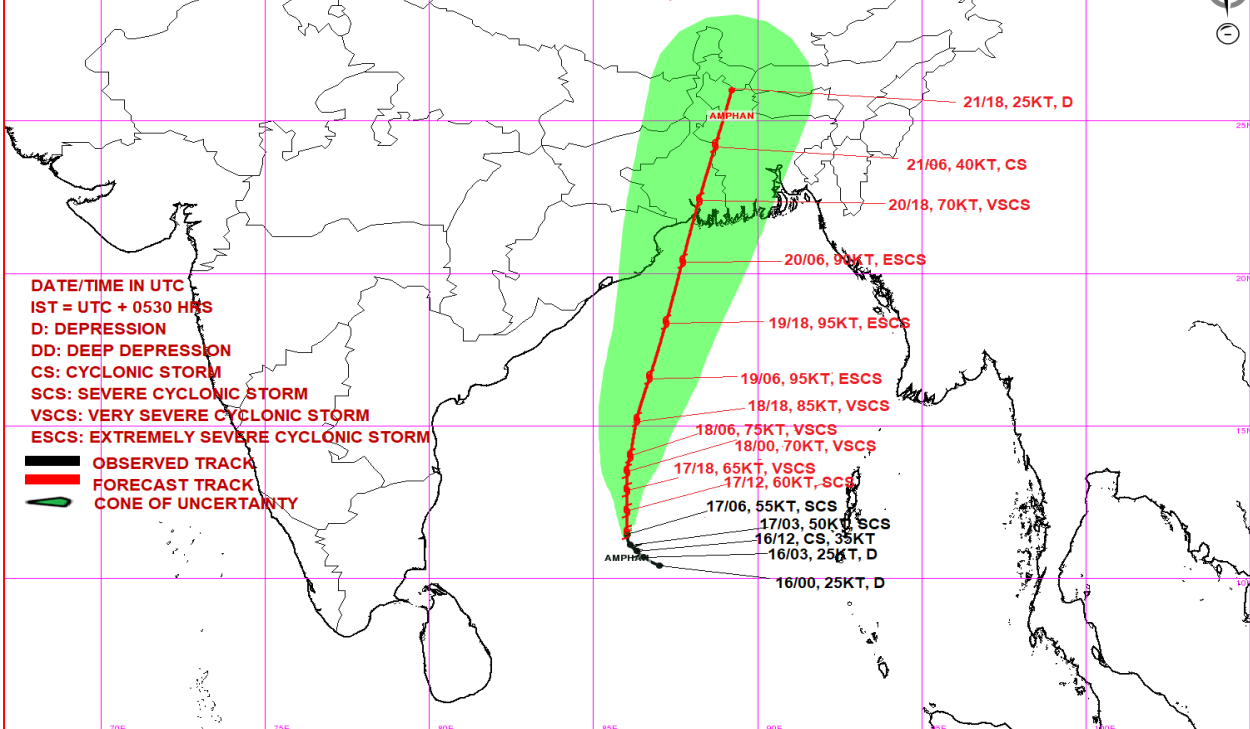
1. Chief Secretary, Govt. of Odisha.
2. Principal Secretary, Revenue & Disaster Management, Govt. of Odisha.
3. Principal Secretary, Dept. of Agriculture, Govt. of Odisha.
4. Principal Secretary, Department of Water Resources, Govt. of Odisha.
5. Special Relief Commissioner (SRC), Govt. of Odisha Bhubaneswar.
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.



SAT : INSAT-3D IMG 17-05-2020/(0600 to 0627) GMT
IMG_TIR1_TEMP 10.8 um 17-05-2020/(1130 to 1157) IST
L1C Mercator



**OBSERVED & FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF SEVERE CYCLONIC STORM, AMPHAN OVER CENTRAL PARTS OF SOUTH BAY OF BENGAL
0600UTC OF 17TH MAY, 2020**



OBSERVED & FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF SEVERE CYCLONIC STORM, AMPHAN OVER CENTRAL PARTS OF SOUTH BAY OF BENGAL BASED ON 0600 UTC OF 17TH MAY, 2020

