



SPECIAL BULLETIN NO.-15

DATE: 18.05.2020

TIME: 0800 HRS IST

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

The **Very Severe Cyclonic Storm 'AMPHAN'** (pronounced as **UM-PUN**) over central parts of South Bay of Bengal moved north-northeastwards with a speed of 13 kmph during past 06 hours, intensified into an **Extremely Severe Cyclonic Storm** and lay centred at 0230 hrs IST of today, the 18th May, 2020 over **central parts of South Bay of Bengal and adjoining central Bay of Bengal** near latitude 12.9°N and longitude 86.4°E, about 820 km nearly south of Paradip (Odisha), 980 km south-southwest of Digha (West Bengal) and 1090 km south-southwest of Khepupara (Bangladesh). It is very likely to intensify further during next 06 hours. It is very likely to move 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 |
|----------------|---------------------------------|--|-------------------------------------|
| 18.05.20/0230 | 12.9/86.4 | 160-170 gusting to 190 | EXTREMELY SEVERE CYCLONIC STORM |
| 18.05.20/0530 | 13.5/86.5 | 170-180 gusting to 200 | EXTREMELY SEVERE CYCLONIC STORM |
| 18.05.20/1130 | 14.0/86.6 | 180-190 gusting to 210 | EXTREMELY SEVERE CYCLONIC STORM |
| 18.05.20/1730 | 14.6/86.7 | 190-200 gusting to 220 | EXTREMELY SEVERE CYCLONIC STORM |
| 18.05.20/2330 | 15.2/86.8 | 200-210 gusting to 230 | EXTREMELY SEVERE CYCLONIC STORM |
| 19.05.20/1130 | 16.7/87.2 | 200-210 gusting to 230 | EXTREMELY SEVERE CYCLONIC STORM |
| 19.05.20/2330 | 18.5/87.7 | 200-210 gusting to 230 | EXTREMELY SEVERE CYCLONIC STORM |
| 20.05.20/1130 | 21.7/88.3 | 170-180 gusting to 200 | EXTREMELY SEVERE CYCLONIC STORM |
| 20.05.20/2330 | 22.6/88.7 | 135-145 gusting to 160 | VERY SEVERE CYCLONIC STORM |
| 21.05.20/1130 | 23.8/88.9 | 85-95 gusting to 105 | SEVERE CYCLONIC STORM |
| 21.05.20/2330 | 26.0/89.3 | 50-60 gusting to 70 | DEEP DEPRESSION |

WEATHER FORECAST AND WARNING FOR NEXT FIVE DAYS

RAINFALL:

| DAYS | FORECAST | HEAVY RAINFALL WARNING |
|--|--|--|
| Day 1 (Valid 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 2 (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 Balasore, Bhadrak, Jajpur, Jagatsinghpur Kendrapara and Mayurbhanj and isolated heavy rainfall likely over Cuttack, Khurda and Puri of Odisha. |
| Day 3 (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, Keonjhar and Mayurbhanj. |
| Day 4 (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 and it will extend to along & off north Odisha coast from 19th morning.

Orange Warning (Be Prepared):

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 (Jagatsinghpur, Kendrapara, Bhadrak, Balasore and Mayurbhanj districts). It will gradually increase thereafter becoming 110 to 120 kmph gusting to 135 kmph along & off the above mentioned districts of North Odisha from the afternoon of 20th May 2020.

Squally wind speed reaching 55-65 kmph gusting to 75 kmph likely to prevail over Puri, Khordha, Cuttack, Jajpur districts of Odisha during 20th May 2020.

Deep Sea area

Gale wind speed reaching 125-135 gusting to 150 kmph is prevailing over southeast and adjoining southwest Bay of Bengal. It is likely to increase becoming 140-150 gusting to 165 kmph over southern parts of central Bay of Bengal by 18th morning, 170-180 gusting to 200 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 be Phenomenal 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 during next 24 hours, to central Bay of Bengal during 17th to 18th May and into North Bay of Bengal during 18th 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 till 21st May, 2020.

Port Warning:

Replace Distance warning Signal No. 2 (DW-2) by Local Cautionary Signal No.3 (LC-3) at Gopalpur and Puri Ports and replace Distance warning Signal No. 2 (DW-2) by Local warning signal No-4 (LW-4) at Paradip, Chandbali(Dhamra) ports of Odisha.



DAMAGE EXPECTED AND ACTION SUGGESTED

Jagatsinghpur, Kendrapara, Bhadrak, Balasore, Jajpur & Mayurbhanj districts of Odisha

Damage expected:

- Total destruction of thatched houses/ extensive damage to kutcha houses. Some damage to pucca houses. Potential threat from flying objects.
- Bending/ uprooting of power and communication poles.
- Major damage to kutcha and pucca roads. Minor disruption of railways, overhead power lines and signalling systems.
- Widespread damage to standing crops, plantations, orchards, falling of green coconuts and tearing of palm fronds. Blowing down of bushy trees like mango.
- Small boats, country crafts may get detached from moorings.

Fishermen warning & action suggested:

- Total suspension of fishing operations along & off odisha coast during 18th to 20th May 2020.
- Judicious regulation of rail and road traffic.
- People in affected areas to remain indoors.
- Movement in motor boats and small ships unsafe.
- Small fishing boats may get detached and damaged from their moorings.

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/(2230 to 2256) GMT

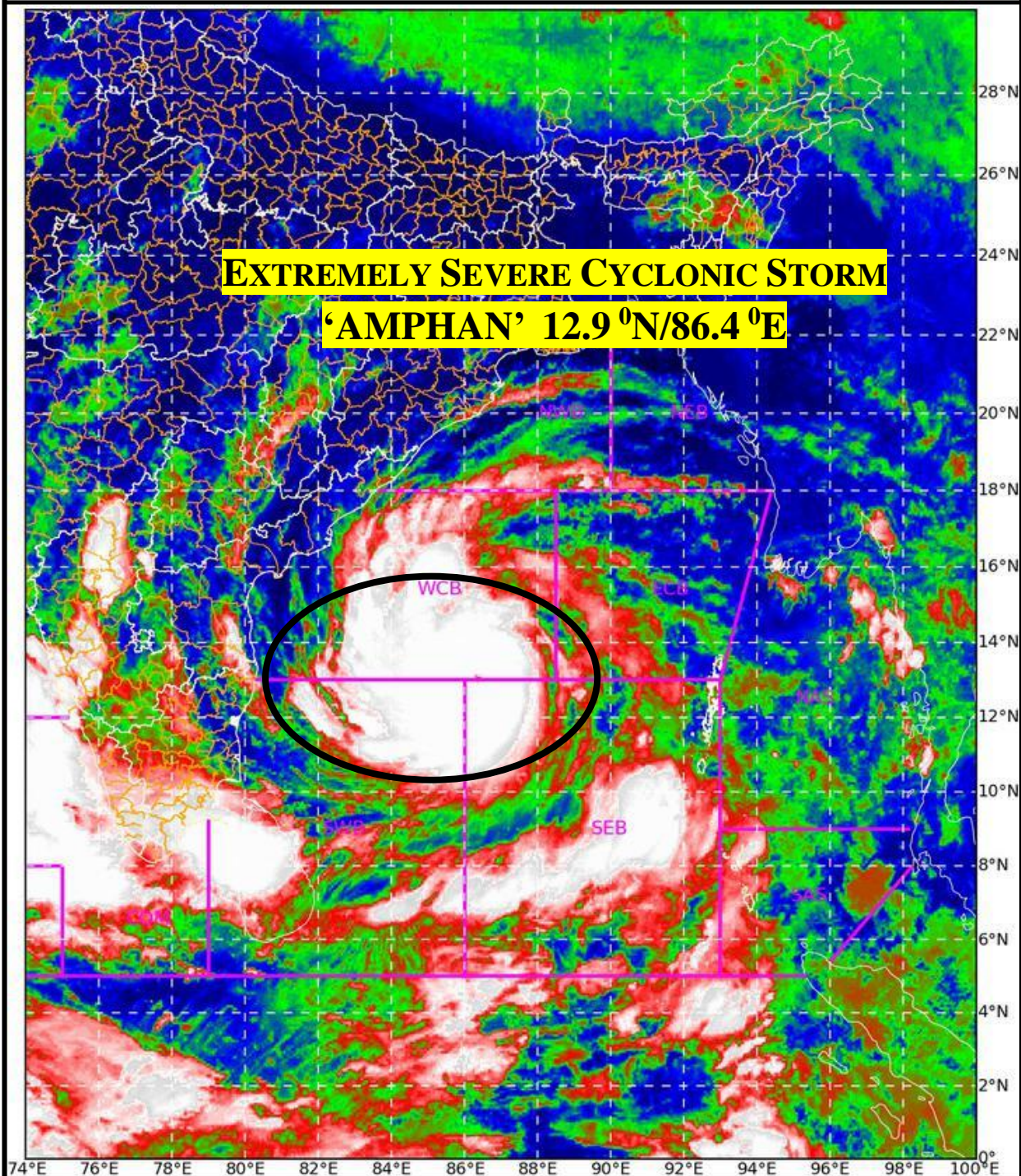
IMG_TIR1_TEMP 10.8 um 18-05-2020/(0400 to 0426) IST

L1C Mercator



EXTREMELY SEVERE CYCLONIC STORM

'AMPHAN' 12.9°N/86.4°E



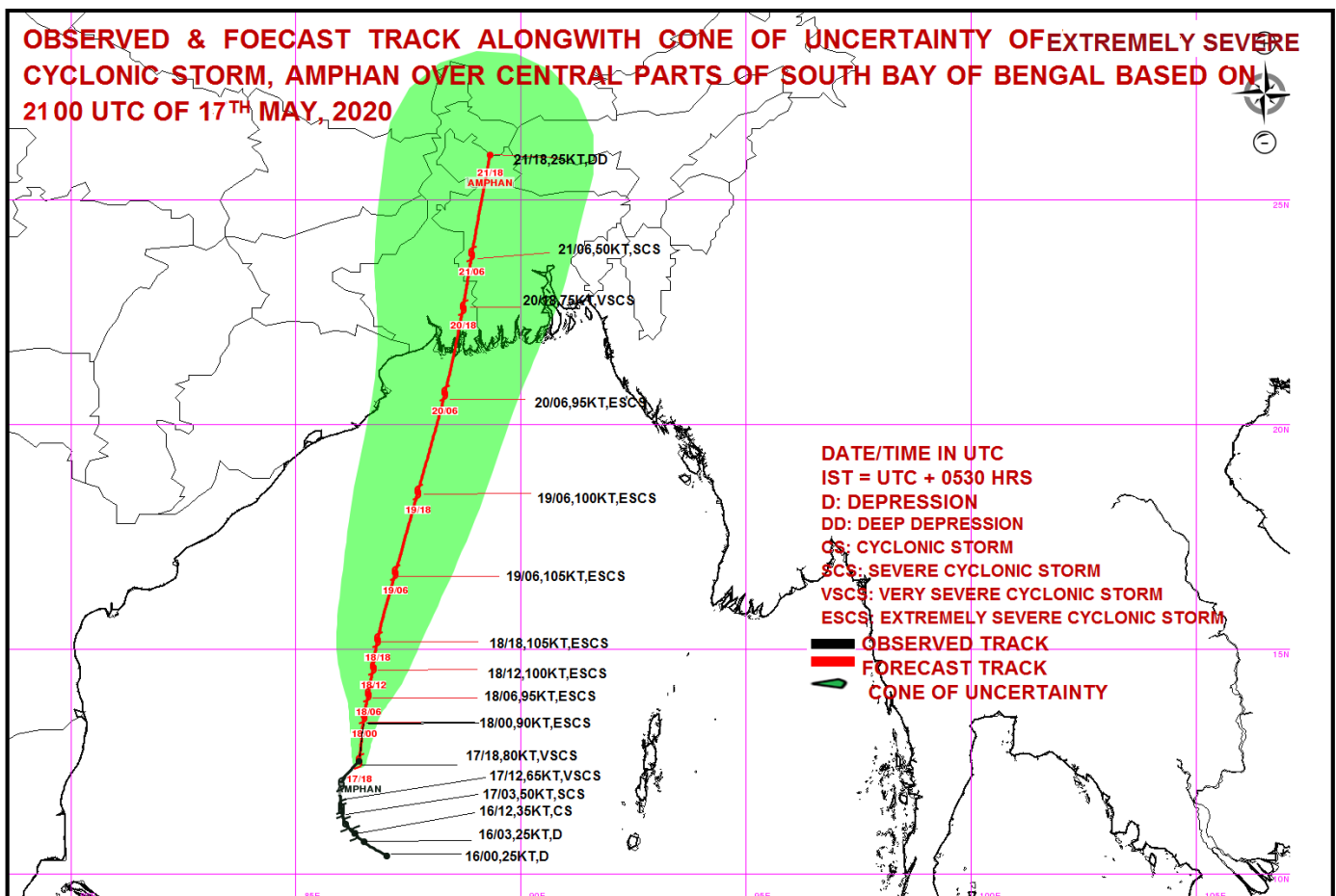
Celsius
IMD, DELHI

भारत सरकार
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OBSERVED & FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF EXTREMELY SEVERE CYCLONIC STORM, AMPHAN OVER CENTRAL PARTS OF SOUTH BAY OF BENGAL BASED ON 2100 UTC OF 17TH MAY, 2020



OBSERVED & FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF EXTREMELY SEVERE CYCLONIC STORM, AMPHAN OVER CENTRAL PARTS OF SOUTH BAY OF BENGAL BASED ON 2100 UTC OF 17TH MAY, 2020

