



**SPECIAL BULLETIN NO.-14**

**DATE: 17.05.2020  
TIME: 2330 HRS IST**

**SUB: Very 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 West Bengal and north Odisha coasts: 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 10 kmph during past 06 hours and lay centred at 2030 hrs IST of today, the 17<sup>th</sup> May, 2020 over **central parts of South Bay of Bengal and adjoining central Bay of Bengal** near latitude 12.2°N and longitude 86.2°E, about 900 km south of Paradip (Odisha), 1060 km south-southwest of Digha (West Bengal) and 1170 km south-southwest of Khepupara (Bangladesh). It is very likely to intensify further into an Extremely Severe Cyclonic Storm during next 24 hours. It is very likely to move nearly northwards slowly during next 12 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 20<sup>th</sup> 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
17.05.20/2030	12.2/86.2	135-145 gusting to 160	VERY SEVERE CYCLONIC STORM
17.05.20/2330	12.7/86.3	145-155 gusting to 170	VERY SEVERE CYCLONIC STORM
18.05.20/0530	13.5/86.3	150-160 gusting to 175	VERY SEVERE CYCLONIC STORM
18.05.20/1130	14.0/86.4	160-170 gusting to 185	EXTREMELY SEVERE CYCLONIC STORM
18.05.20/1730	14.6/86.4	160-170 gusting to 185	EXTREMELY SEVERE CYCLONIC STORM
19.05.20/0530	15.9/86.5	170-180 gusting to 200	EXTREMELY SEVERE CYCLONIC STORM
19.05.20/1730	17.5/86.9	170-180 gusting to 200	EXTREMELY SEVERE CYCLONIC STORM
20.05.20/0530	19.6/87.4	160-170 gusting to 190	EXTREMELY SEVERE CYCLONIC STORM
20.05.20/1730	21.8/88.0	145-155 gusting to 170	VERY SEVERE CYCLONIC STORM
21.05.20/0530	23.4/88.4	95-105 gusting to 115	SEVERE CYCLONIC STORM
21.05.20/1730	25.2/88.9	60-70 gusting to 80	CYCLONIC STORM
22.05.20/0530	26.8/89.4	30-40 gusting to 50	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.	<b>YELLOW WARNING (BE UPDATED):</b> 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.	<b><u>ORANGE WARNING (BE PREPARED):</u></b> Heavy to very heavy rainfall very likely to occur at a few places over the districts of Balasore, Bhadrak, Jajpur, <b>Jagatsinghpur Kendrapara</b> and Mayurbhanj and isolated heavy rainfall likely over Cuttack, Khurda and Puri of 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.	<b><u>YELLOW WARNING (BE UPDATED):</u></b> Heavy rainfall very likely to occur at isolated places over the district of Balasore, Bhadrak,,Jajpur, Kendrapara, Keonjhar and Mayurbhanj .
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 18<sup>th</sup> evening and it will extends extend to along & off north Odisha coast from 19<sup>th</sup> 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 20<sup>th</sup> 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 20<sup>th</sup> 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 20<sup>th</sup> 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 18<sup>th</sup> morning, 170-180 gusting to 200 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 during 20<sup>th</sup> 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 19<sup>th</sup> May and over north Bay of Bengal on 20<sup>th</sup> 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 17<sup>th</sup> to 18<sup>th</sup> May and into North Bay of Bengal during 18<sup>th</sup> to 20<sup>th</sup> 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 18<sup>th</sup> to 21<sup>st</sup> May,2020.**

**Port Warning:**

**Keep hoisted Distant Warning Signal No.2 (DW-2) at all 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 20<sup>th</sup> 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.



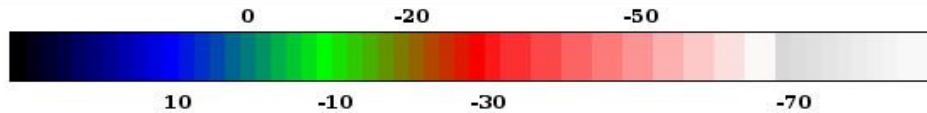
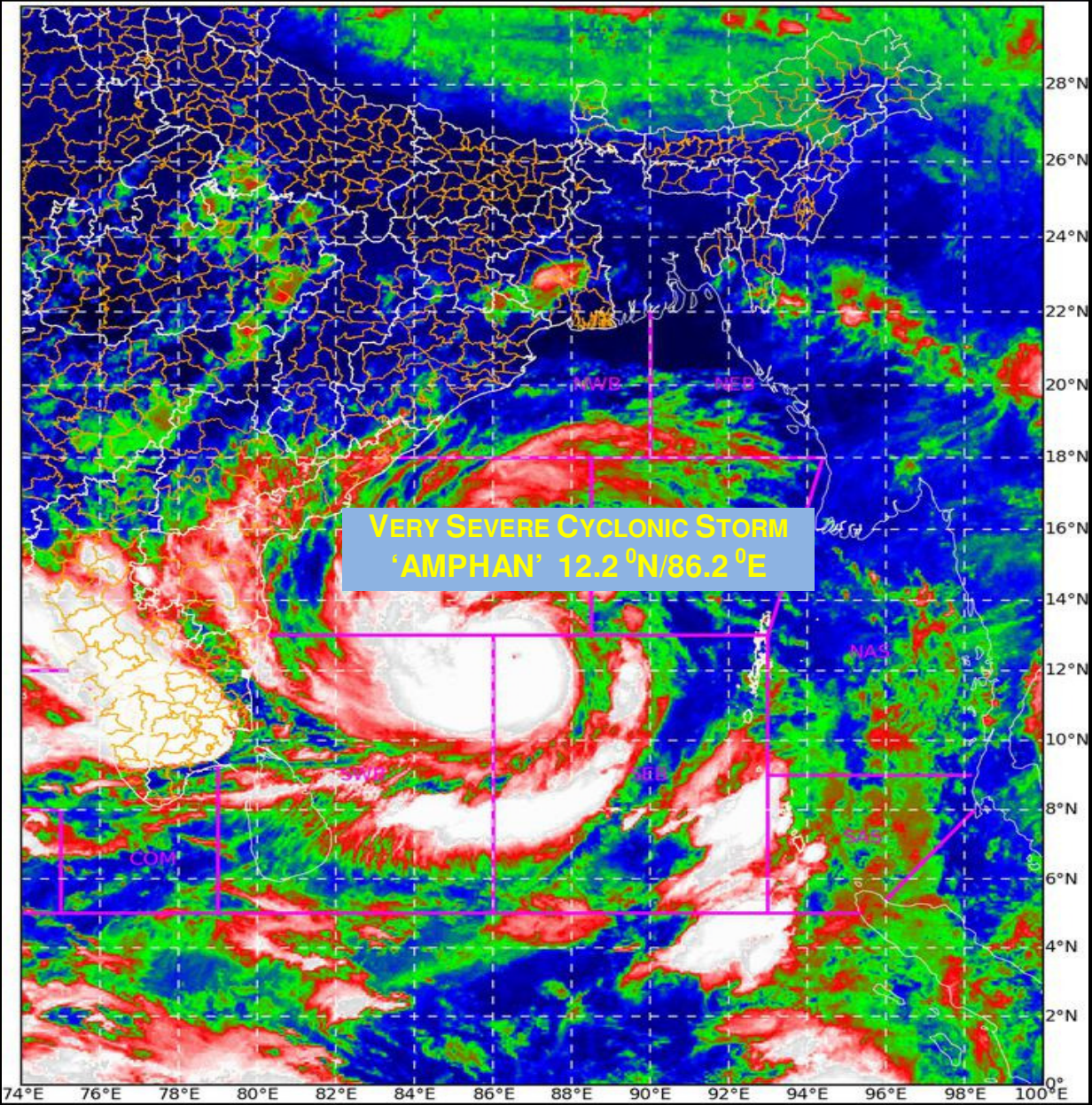
SAT : INSAT-3D IMG

17-05-2020/(1630 to 1656) GMT

IMG\_TIR1\_TEMP 10.8 um

17-05-2020/(2200 to 2226) IST

L1C Mercator



Celsius  
IMD, DELHI

