



**SPECIAL BULLETIN NO.-16**

**DATE: 18.05.2020  
TIME: 1000 HRS IST**

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

The **Extremely Severe Cyclonic Storm 'AMPHAN'** (pronounced as **UM-PUN**) over central parts of South Bay of Bengal and adjoining central Bay of Bengal moved nearly northwards with a speed of 13 kmph during past 06 hours and lay centred at 0530 hrs IST of today, the 18<sup>th</sup> May, 2020 over **west-central and adjoining central parts of South Bay of Bengal** near latitude 13.2°N and longitude 86.3°E, about 790 km nearly south of Paradip (Odisha), 940 km south-southwest of Digha (West Bengal) and 1060 km south-southwest of Khepupara (Bangladesh). It is very likely to intensify further into a Super Cyclonic Storm during next 12 hours. It is very likely to move north-northeastwards 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 with maximum sustained wind speed of 155-165 kmph gusting to 185 kmph.

**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
18.05.20/0530	13.2/86.3	180-190 gusting to 210	EXTREMELY SEVERE CYCLONIC STORM
18.05.20/1130	14.0/86.4	200-210 gusting to 230	EXTREMELY SEVERE CYCLONIC STORM
18.05.20/1730	14.6/86.5	220-230 gusting to 255	SUPER CYCLONIC STORM
18.05.20/2330	15.2/86.6	230-240 gusting to 265	SUPER CYCLONIC STORM
19.05.20/0530	15.9/86.8	220-230 gusting to 255	SUPER CYCLONIC STORM
19.05.20/1730	17.6/87.2	200-210 gusting to 230	EXTREMELY SEVERE CYCLONIC STORM
20.05.20/0530	19.9/87.8	180-190 gusting to 210	EXTREMELY SEVERE CYCLONIC STORM
20.05.20/1730	22.1/88.6	145-155 gusting to 170	VERY SEVERE CYCLONIC STORM
21.05.20/0530	24.0/89.3	80-90 gusting to 100	CYCLONIC STORM
21.05.20/1730	25.9/90.0	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 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 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.	<b>ORANGE WARNING (BE PREPARED):</b> 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.	<b>YELLOW WARNING (BE UPDATED):</b> 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:**

**Orange Warning (Be prepared):** -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.

**Red Warning (Take action):**

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 180-190 gusting to 210 kmph is prevailing over west-central and adjoining central parts of south Bay of Bengal. It is likely to increase becoming 220-230 gusting to 250 kmph over northern parts of central Bay of Bengal and adjoining North Bay of Bengal from tonight to 19<sup>th</sup> May morning, likely to increase further becoming 230-240 gusting to 255 kmph by tonight. Gale wind speed reaching 220-230 gusting to 255 kmph over north Bay of Bengal from 19<sup>th</sup> morning and gradually decrease becoming 155- 165 kmph gusting to 180 kmph by 20<sup>th</sup> evening.

**Sea condition**

Sea condition will be Phenomenal over west-central and adjoining central parts of south Bay of Bengal during next 24 hours. It will become Phenomenal 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 till today and into North Bay of Bengal till 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 till 21<sup>st</sup> May,2020.**

**Port Warning:**

**Keep Hoisted Local Cautionary Signal No.3 (LC-3) at Gopalpur and Puri Ports and 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 18<sup>th</sup> 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.



भारत सरकार  
पृथ्वी विज्ञान मंत्रालय  
भारत मौसम विज्ञान विभाग  
मौसम विज्ञान केंद्र  
भुवनेश्वर, ओडिशा - 751020



GOVERNMENT OF INDIA  
MINISTRY OF EARTH SCIENCES  
INDIA METEOROLOGICAL DEPARTMENT  
METEOROLOGICAL CENTRE  
BHUBANESWAR, ODISHA-751020

SAT : INSAT-3D IMG 18-05-2020/(0130 to 0156) GMT  
IMG\_TIR1\_TEMP 10.8 um 18-05-2020/(0700 to 0726) IST  
LIC Mercator



