



**SPECIAL BULLETIN NO.-5**

**DATE: 16.05.2020**

**TIME: 1300 HRS IST**

**Sub: Depression over southeast Bay of Bengal and its likely intensification into a Cyclonic Storm: **Pre-cyclone Watch for West Bengal and North Odisha coasts (Yellow Message).****

The Depression over Southeast Bay of Bengal and neighbourhood moved northwestwards with a speed of 20 kmph during past 03 hours and lay centred at 0830 hrs IST of today, the 16<sup>th</sup> May, 2020 near latitude 10.7°N and longitude 86.5°E, about 1060 km south of Paradip (Odisha), 1220 km south-southwest of Digha (West Bengal) and 1310 km south-southwest of Khepupara (Bangladesh). It is very likely to intensify rapidly into a Cyclonic Storm during next 12 hours and further into a severe cyclonic storm during subsequent 24 hours. It is very likely to move north-northwestwards initially till 17<sup>th</sup> May and then re-curve north-northeastwards across northwest Bay of Bengal towards West Bengal coast during 18<sup>th</sup> to 20<sup>th</sup> 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
16.05.20/0830	10.7/86.5	45-55 gusting to 65	DEPRESSION
16.05.20/1130	10.9/86.3	50-60 gusting to 70	DEEP DEPRESSION
16.05.20/1730	11.2/86.2	60-70 gusting to 80	CYCLONIC STORM
16.05.20/2330	11.8/86.1	75-85 gusting to 95	CYCLONIC STORM
17.05.20/0530	12.3/86.0	90-100 gusting to 110	SEVERE CYCLONIC STORM
17.05.20/1730	13.4/86.0	100-110 gusting to 120	SEVERE CYCLONIC STORM
18.05.20/0530	14.3/86.1	120-130 gusting to 145	VERY SEVERE CYCLONIC STORM
18.05.20/1730	15.4/86.2	135-145 gusting to 160	VERY SEVERE CYCLONIC STORM
19.05.20/0530	16.6/86.3	155-165 gusting to 180	VERY SEVERE CYCLONIC STORM
19.05.20/1730	18.2/86.7	170-180 gusting to 200	EXTREMELY SEVERE CYCLONIC STORM
20.05.20/0530	19.8/87.3	160-170 gusting to 190	EXTREMELY SEVERE CYCLONIC STORM
20.05.20/1730	21.8/87.9	145-155 gusting to 170	VERY SEVERE CYCLONIC STORM
21.05.20/0530	24.0/88.5	110-120 gusting to 135	SEVERE CYCLONIC STORM

**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.	<b><u>YELLOW WARNING (BE UPDATED):</u></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 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.	<b>ORANGE WARNING(BE PREPARED):</b> <b>Heavy to very heavy rainfall very likely to occur at a few places over the districts of coastal Odisha.</b>
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 districts of interior Odisha.	<b>YELLOW WARNING (BE UPDATED):</b> <b>Heavy rainfall very likely to occur at isolated places over the district of Balasore, Bhadrak, Mayurbhanj and Keonjhar.</b>

**WIND WARNING:**

**Odisha Coast:**

**Yellow Warning (Be Updated):** Squally winds 40-50 kmph gusting 60 kmph very likely to occur along and off south Odisha coast on 18<sup>th</sup> May evening/night.

**Orange Warning(Be Prepared):**

Squally wind speed reaching 45 to 55 kmph gusting to 65 kmph is likely along and off Odisha coast from 19<sup>th</sup> morning. 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. It will gradually increase thereafter.

**Bay of Bengal**

Squally wind speed reaching 45 to 55 kmph gusting to 65 kmph is prevailing over southeast and adjoining southwest Bay of Bengal. It is likely to increase becoming 90-100 gusting to 110 kmph over east central and adjoining west central Bay of Bengal by 17<sup>th</sup> morning, 120-130 gusting to 145 kmph over southern parts of central Bay of Bengal by 18<sup>th</sup> morning, 155-165 gusting to 180 kmph over northern parts of central Bay of Bengal and adjoining north Bay of Bengal on 19<sup>th</sup>, and 160-170 gusting to 190 kmph over north Bay of Bengal by 20<sup>th</sup> morning.

**Sea condition**

Sea condition will be rough to very rough over south & adjoining central Bay of Bengal and Andaman Sea till 16<sup>th</sup> May afternoon. It will be High over southwest and adjoining central Bay of Bengal from the 16<sup>th</sup> May evening, very high over the same region from 17<sup>th</sup> morning. It will become phenomenal over southern parts of central Bay of Bengal on 18<sup>th</sup>, 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 from 16<sup>th</sup> to 17<sup>th</sup> May, to central Bay of Bengal 17<sup>th</sup> to 18<sup>th</sup> May and north Bay of Bengal during 19 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> May onwards. Those who are out of sea are advised to return to the coast by 17<sup>th</sup> May, 2020.**

**Port Warning:**

**Keep hoisted Distant Cautionary Signal No. One (DC-I) 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.

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SAT : INSAT-3D IMG 16-05-2020/(0500 to 0527) GMT  
IMG\_TIR1\_TEMP 10.8 um 16-05-2020/(1030 to 1057) IST  
L1C Mercator



