

Report on Impending Cyclone over Bay of Bengal

Dt. 25.05.2021

Time -5.00PM

Status of Cyclone (IMD Forecast):

Yesterday's cyclonic storm "YAAS" over east central BoB moved north-northwest wards and intensified into a severe cyclonic storm in the same midnight (2330 hrs IST of 24th May). Further moving north-northwest wards, it lay centred at 0830 hrs IST of today, the 25th May, 2021 over West central and adjoining East central & north Bay of Bengal near latitude 18.3°N and longitude 88.3°E, about 280 km south-southeast of Paradip (Odisha), 380 km south-southeast of Balasore (Odisha), 370 km south-southeast of Digha (West Bengal) and 370 kms south-southwest of Sagar Islands (West Bengal).

It is very likely to move north-northwest wards, intensify further into a Very Severe Cyclonic Storm during next 12 hours. It would continue to move north-northwest wards, intensify further and reach Northwest Bay of Bengal near north Odisha coast very close to Chandbali-Dhamra port by the early morning of Wednesday, the 26th May.

It is very likely to cross north Odisha-West Bengal coasts between Paradip and Sagar Island close to north of Dhamra and south of Balasore, during noon of Wednesday, the 26th May as a Very Severe Cyclonic Storm.

Wind warning:

Gale winds speed reaching 100-110 kmph gusting to 120 kmph is prevailing over major parts of central Bay of Bengal and adjoining north Bay of Bengal and would increase gradually becoming 125-135 gusting to 140 kmph from today evening.

Squally wind speed reaching 55-65 kmph gusting 75 kmph is prevailing over North Bay of Bengal and along and off north Andhra Pradesh-Odisha-West Bengal-Bangladesh coasts. It would further increase becoming 65-75 kmph gusting to 85 kmph over northwest Bay of Bengal and along & off north Odisha and adjoining West Bengal coasts including Jagatsinghpur, Kendrapara, Puri, Bhadrak, Balasore of Odisha and east Medinipur, south 24 Parganas, Kolkata districts of West Bengal from 25th May evening.

Squally wind speed reaching 40-50 kmph gusting 60 kmph would prevail over Ganjam, Khurda, Cuttack, Jajpur & Mayurbhanj Districts of Odisha and Howrah, Hooghly, north 24 Parganas Districts of West Bengal from 25th evening.

It would further increase becoming gale wind speed 155-165 kmph gusting to 185 kmph over northwest Bay of Bengal and along & off north Odisha and adjoining West Bengal coasts including Jagatsinghpur, Kendrapara, Bhadrak, from early

morning of 26th May and will extend to Balasore district of Odisha from the forenoon of 26th May, 120-130kmph gusting to 145 kmph over Mayurbhanj district of Odisha from early morning of 26th May.

Gale wind speed reaching 80-90 kmph gusting to 100 kmph would prevail over Puri, Cuttack, Khurda, Jajpur and Nayagarh districts of Odisha during same period. The wind speed reaching 60-80 kmph gusting to 90 kmph would prevail along and off Ganjam and remaining interior districts of north Odisha.

Storm surge warning.

Tidal waves of height 2-4 meters above astronomical tide are likely to inundate low lying low laying areas of Medinipur, Balasore, Bhadrak and about 2 meters above astronomical tide are likely to inundate low lying low laying areas of South 24 Parganas, Kendrapara & Jagatsinghpur Districts around the time of landfall.

Dissemination of IMD warnings & Bulletins:

- IMD weather Bulletins & cyclone warnings are being disseminated to Collectors, Departments and stake holders at regular intervals.

Rainfall during past 24 Hours:

DISTRICT AVERAGE RAINFALL 25TH MAY, 2021		
(Rainfall in mm)		
Sl. No.	District	25.05.2021
1	Jagatsinghpur	74.6
2	Kendrapara	70.1
3	Bhadrak	62.3
4	Jajpur	45.6
5	Puri	42.5
6	Balasore	41.7
7	Cuttack	36.3
8	Khordha	33.5
9	Mayurbhanj	14.5
10	Dhenkanal	13.7
11	Nayagarh	12.3
12	Keonjhar	6.2
13	Ganjam	1.2
14	Angul	1.2
Remaining 16 Districts		Nil
State Average		15.2

Rainfall more than 50 mm :

RAINFALL REPORTS OF DIFFERENT BLOCKS ON 25TH MAY, 2021			
(Rainfall in mm.)			
Sl. No.	District	Block	25.05.2021
Rainfall above 100 mm			
1	Bhadrak	Chandbali	104.9
2	Jagatsinghpur	Kujanga	110.0
3	Kendrapara	Rajnagar	115.0
4		Kendrapara	104.0
5	Puri	Astarang	115.0
Rainfall between 50 mm and 100 mm			
1	Balasore	Bhograi	65.2
2		Soro	59.0
3		Baliapal	58.0
4		Bahanaga	56.0
5		Nilagiri	53.0
6	Bhadrak	Dhamnagar	90.0
7		Bhadrak	63.0
8		Tihidi	63.0
9		Basudevpur	60.0
10	Cuttack	Salepur	73.0
11		Kantapada	55.0
12		Niali	51.0
13	Jagatsinghpur	Naugaon	99.0
14		Balikuda	96.0
15		Tirtol	92.0
16		Erasama	88.0
17	Jajpur	Dasarathpur	82.0
18		Bari	75.0
19		Binjharpur	62.0
20		Badachana	52.0
21	Kendrapara	Rajkanika	97.0
22		Marshaghai	64.0
23		Derabis	56.0
24		Pattamundai	55.0
25		Mohakalpara	52.0
26	Khordha	Balipatna	62.0
27		Bolagarh	56.0
28	Mayurbhanj	Betanati	82.0
29	Puri	Kakatpur	97.0
30		Puri	51.0

Preparatory Action Taken:**Functioning of Control Room:**

- State and District Emergency Operation Centre and Control Rooms of other offices are functioning round the clock in three shifts with a senior officer in charge of each shift.

Identification of Shelters:

- Facility verification check has been conducted in all the Multi Purpose Cyclone and flood shelters in the coastal & adjoining districts.
- Large number of alternate shelters has been identified to accommodate evacuees observing COVID protocol. Three Govt. functionaries have been identified for each shelter to coordinate evacuation to their designated shelters.
- **No. of Shelters identified- 6891 (Cyclone/ flood shelters- 860, Addl. Shelters- 6031)**

SL. NO.	DISTRICT	No. of shelters identified
1	BALASORE	1240
2	BHADRAK	623
3	CUTTACK	1204
4	DHENKANAL	134
5	GAJAPATI	136
6	GANJAM	1093
7	JAGATSINGHPUR	223
8	JAJPUR	408
9	KENDRAPADA	520
10	KEONJHAR	87
11	MAYURBHANJ	425
12	NAYAGARH	214
13	PURI	584
TOTAL		6891

Evacuation Plan:

- Evacuation Plan has been made for evacuation of people from the vulnerable locations. PRIs and WSHGs will be involved in evacuation and Shelter management.
- One 3 ply face mask to be provided to each evacuee to use it during the entire period of stay in the shelter.
- Collectors of coastal districts have been instructed to evacuate the vulnerable people / people living in kutcha houses and shift them to Multipurpose cyclone/ flood shelters and other safe shelters.

Free Kitchen Arrangements

- Cooked food through free kitchen, safe drinking water, lighting with alternate power supply, health & sanitation facilities have been arranged for evacuated people at the shelters.

Status of evacuation:

- **No. of people evacuated- 248049**
- **No. of shelters opened – 5523**
- **No. of free kitchen center opened – 651** (Kendrapara-568, Jagatsinghpur- 83)

Sl.	District	No. of shelters opened	No. of people evacuated
1	Balasore	1412	79558
2	Bhadrak	774	73103
3	Cuttack	762	1915
4	Jagatsinghpur	179	11184
5	Jajpur	120	3623
6	Kendrapara	800	62009
7	Keonjhar	12	453
8	Mayurbhanj	427	10281
9	Dhenkanal	30	979
10	Puri	166	3500
11	Khordha	841	1444
	Total	5523	248049

Deployment of Response Forces:

52 teams of NDRF, 60 teams of ODRAF, 206 Fire Service teams and 86 wood cutting teams of Forest & Environment Department (Total- 404 Teams) have been pre-positioned in 10 coastal & adjoining districts for search and rescue and road clearance.

Sl No	Name of the District where Deployment is made	NDRF	ODRAF	Fire Services	OFDC	Total Teams
1.	Balasore	9	12	40	23	84
2.	Bhadrak	10	9	20	6	45
3.	Mayurbhanj	7	6	29	5	47
4.	Kendrapada	5	6	15	4	30
5.	Jagatsinghpur	3	3	14	2	22
6.	Jajpur	4	6	15	1	26
7.	Cuttack	-	-	19	2	21
8.	Puri	1	3	12	3	19
9.	Khordha	-	3	13	4	20
10	Keonjhar	5	3	12	4	24
11	Dhenkanal	-	-	10	1	11
12	Angul	-	-	7	1	8
13	Reserve	8	9	-	30	47
	Grand Total	52	60	206	86	404

Satellite Phones:

Satellite phones of all Collectors are in readiness for communication if telecommunication fails.

Arrangements for temporary shelter materials:

Arrangement for providing temporary shelter materials (polythene sheet) have been made for the households if houses will be damaged due to effect of cyclonic wind/ heavy rain.

Other Measures:

- Collectors have been instructed to make back-up power arrangement/ generators arrangements with adequate fuel at different utility services like Drinking water supply, petrol pumps, health institutions, telecom facilities, electrical grid/ sub stations, police stations and others.
- Adequate power back up/ stock of essential medicines/ food stuff arranged in all hospitals/Covid Care Centres/ Cluster TMCs/ TMCs.
- Inventory of search and rescue equipment have been done by the concerned district administration.
- Collectors have been instructed for alternate arrangement of drinking water during and aftermath of the cyclone.
- All the telephone service providers have been asked to keep their manpower and equipment in readiness for quick restoration of the telephone lines.
- Go-NGO coordination meeting has been taken at district level.

Preparatory Measures taken by Departments

Engineering Departments like Works, Rural Development, Housing and Urban Development, Energy, Water Resources and Panchayati Raj and Drinking Water (PR&DW) have made arrangement for immediate restoration infrastructure.

Agriculture Department: Crop advisories have been issued.

Works Department:

- **154 Quick Reaction Teams** (NHAI-20 teams, CE, NH- 20 teams, CE Roads- 114 teams) have been constituted for clearing of roads / immediate restoration of roads for relief line clearance.(Balasore- 24 teams, Bhadrak- 11 teams, Mayurbhanj- 15 teams, Keonjhar- 14 teams, Kendrapara-14 teams, Jagatsinghpur- 11 teams, Jajpur-14 teams, Khordha-28 teams, Puri-10 teams)

- Machineries & Equipment in readiness : **JCB- 336, Excavator-16, Loader-17, Tipper-95, Dozer-6, Tractor-460, Sand Bag-78880, Proclain- 4, Truck- 52, Cutter/ Power shaw- 305, Gas cutter- 521, Bullah-11695, Bamboo mat-3652, Roller-50, Generator-82, Water tanker-36, Pump-32, Sand- 6156 cum, Moorum-1314 cum, Stone aggregates- 2704 cum, Diesel-5626 ltr)**

Rural Development Department:

- 313 Quick Response Teams are in readiness for clearing of roads / immediate restoration of roads for relief line clearance.(Balasore- 49 teams, Bhadrak- 16 teams, Mayurbhanj- 58 teams, Keonjhar- 16 teams, Kendrapara-25 teams, Jagatsinghpur- 11 teams, Jajpur-20 teams, Khordha-18 teams, Puri-24 teams, Cuttack-42, Dhenkanal- 13, Ganjam-21)
- Machineries & Equipment in readiness : **JCB- 369, Tractor-425, Cutter - 72, Crane- 12)**

Water Resources Department:

- Machineries & Equipment in readiness : **JCB- 201, Excavator-154, Truck/ Tipper-273, Tractor-597, Cutter/ Power shaw- 50, Generator-67, Water tanker-67, Haiwa- 4)**
- Flood Fighting Materials in readiness: **Sand- 1,18,391 cum, Empty cement bags- 23,78,829 nos., Bamboo- 4500 nos, Bullah- 1844 nos.**
- Flood Control Room in the office of EIC is functioning round the clock
- OCC has been requested to share the list of machinery
- Executive Engineers have been instructed to keep tree cutting machines available with them.
- Instruction has been given to Ex. Engineers to keep readiness of generators with fuel.
- CE, drainage has been instructed for clearance of weeds, causeways for free flow of water.
- Flood fighting materials have been kept in readiness at some strategic locations.
- Keeping close watch on reservoir level & operation of gates.
- All officers have been instructed not to leave HQrs
- Senior level Engineers have been deputed to different districts to assist Collectors and field officers.

Drinking water measures:

Urban Water Supply: (Housing & UD Department)

- H&UD Department is taking steps for de-clogging drainage channels & keep pump sets available for dewatering low lying areas

- No. of ASKA lights available in ULBs- 47
- No. of Generators in readiness in ULBs- **36**
- No. of water tankers available- **292**
- No. of PVC tanks available- **1105**
- No. of DG sets available for pipe water supply- **570**
- **No. of DG Sets Installed- 285**

Rural Water Supply: (PR &DW Department)

- No. of Hand pump TW in operational condition- 207621
- No. of vehicles ready for carrying PVC water Tank- **395**
- No. of Mobile repairing unit in readiness- **310**
- No. of PWS functional- 6408
- No. of DG sets in readiness for PWS- **474**
- No. of overhead tanks filled up with water- **3821**
- No. of PVC tanks in readiness- **866**
- No. of water tankers in readiness- **486**
- No. of electrician kept in readiness- **173**
- Qty. of beaching powder available for disinfection- **3420- bags @ 25kg**

District wise Status of TWs & PWS

Sl No	District	Tube Wells in nos.			Pipe Water Supply in nos.		Disinfection
		No. of Hand pump TW in operational condition	No. of vehicles ready for carrying PVC Water Tank	No. of mobile repairing unit	No. of PWS functional	No. of PVC Tanks	Available Quantity of bleaching powder for disinfection in bags
1.	Balasore	20032	88	42	665	80	255
2.	Bhadrak	18222	36	32	325	70	400
3.	Cuttack	23821	54	25	595	74	206
4.	Jagatsingpur	14331	63	29	302	116	280
5.	Jajpur	17341	24	20	371	69	350
6.	Kendrapara	17038	30	18	314	44	310
7.	Khordha	15878	30	20	496	62	70
8.	Mayurbhanj	30735	31	71	688	32	277
9.	Puri	13663	0	13	361	134	222
Total		171061	356	270	4117	681	2370

District wise status of DG Sets & Water Tankers:

District	DG Sets in nos.			Water Tankers in nos.				
	HUD	PR & DW	Total	HUD	PR & DW	WR Deptt	Works	Total
Balasore	66	125	191	18	45	3	3	69

Bhadrak	33	40	73	24	5	3	0	32
Kendrapara	39	47	86	23	53	2	0	78
Mayurbhanj	42	56	98	19	107	2	1	129
Jagatsinghpur	35	25	60	19	7	3	0	29
Jajpur	44	40	84	10	37	4	3	54
Puri		21	21	48	136	7	4	195
Cuttack		43	43	57	58	11	0	126
Keonjhar	26		26	23	0	0	2	25
Khordha		28	28	51	14	2	9	76
Total	285	425	710	292	462	37	22	813

District wise Status of PVC Tanks:

District	PVC Tanks in Nos		
	HUD	PR & DW	Total
Balasore	110	80	190
Bhadrak	92	70	162
Kendrapara	63	44	107
Mayurbhanj	52	32	84
Jagatsinghpur	50	116	166
Jajpur	19	69	88
Puri	67	134	201
Cuttack	166	74	240
Keonjhar	160		160
Khordha	326	62	388
Total	1105	681	1786

Energy Department:

- Energy Department has been instructed to keep their man and machinery in readiness with stocking of additional poles, wires, transformers.
- No. of manpower deployed- **9,990**
- No. of poles available-26,565
- No. of conductor available-2516.2 km
- No. of Distribution Transformers available – 1126
- No. of cranes /Master poles in readiness- 145
- No. of Aska light available- 2
- No. of Generators in readiness-**158**
- No. of vehicles in readiness- **475**

District	Manpower Deployed (Nos)	Poles (Nos)	Conductors (Kms)	Distribution Transformers (Nos)	Cranes/ Pole Master (Nos)	Generators (Nos)	Vehicles (Nos)
Balasore	750	2492	45.2	166	11	17	81
Bhadrak	486	1000	20	70	10	10	41
Jajpur	580	500	10	30	16	10	35

Mayurbhanj	137	500	10	30	3	10	41
Keonjhar	89	500	10	30	2	10	39
Kendrapada	2254	6257	660	355	31	26	66
Jagatsinghpur	1571	2856	221	132	21	15	40
Cuttack	2475	7261	977	167	23	35	80
Puri	1648	5199	563	146	28	25	52
Total	9990	26565	2516.2	1126	145	158	475

Fisheries & ARD Department:

- All the fishing boats which were in the sea have been brought back to the shore and the boats and boatmen are accounted for. No boat would be allowed to venture in to the sea.
- All fishermen have been brought back to the shore.
- Fishermen warnings have been issued
- **120** Mobile Veterinary Units are in readiness (one team at each Block level)
- Each team comprises of one Veterinary Doctor, One Livestock Inspector & one attendant with vehicle and driver.
- Required vaccines, essential medicines are available at veterinary hospitals/ dispensary.
- Buffer stock of medicines is kept at the level of CDVOs.
- **1500 MT** of cattle feed has been kept in readiness by OMFED.

Women & Child Development Department:

- AWW/ASHA have been instructed to take care of Pregnant Women, Children and other vulnerable sections. All pregnant women having EDD in 1st week of June to be shifted to the nearby DHH and SDH
- **4510 pregnant women have been identified** as having their expected date of delivery in 1st week of June.
- **365** nos. of pregnant women have been shifted to hospitals.

Health Measures (Health & FW Department)

- Mobile health and veterinary teams have been kept in readiness at the district level.
- No. of Health Teams mobilized- **308**
- No. of Medical Relief Centers – **635**
- No. of Generators available – **215**
- Essential medicines, ORS packets, Halazone Tablets, Anti Snake Venum injections, PPEs, Triple Layer face masks, bleaching powder are available in District Headquarter Hospitals.

Sl.	District	No. of Health	No. of Medical Relief Centers	No. of Generator Available
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		Teams		
1	Balasore	17	56	14
2	Bhadrak	35	43	7
3	Mayurbhanj	63	63	42
4	Keonjhar	55	88	56
5	Kendrapara	19	56	9
6	Jajpur	16	129	13
7	Cuttack	30	55	24
8	Puri	31	83	21
9	Khordha	22	30	12
	Total	308	635	215

SI No	District	ORS Sachet (Pkt)	Inj. Anti Snake Venom	Anti Rabies Vaccine	Bleaching Powder (25 kg Bag)	Halozen Tablet	Triple layer face mask	PPE	Inj. Rem desivir	Tab. Favi piravir
1.	Balasore	291660	1810	600	11397	775000	43000	2614	260	2690
2.	Bhadrak	513840	4100	500	1000	114000	35050	3440	56	9990
3.	Cuttack	219040	990	300	1000	500000	184500	1325	120	900
4.	Jagatsinghpur	243640	4115	2280	1000	337000	45880	1706	232	1530
5.	Jajpur	174470	2930	700	1000	601000	39230	3538	310	5306
6.	Kendrapara	203460	2494	600	1000	600000	50700	680	440	5778
7.	Mayurbhanj	527115	2335	1220	10323	830000	7950	2055	700	17680
8.	Puri	213250	2515	1020	1000	500000	650	2820	56	1020
9.	Khordha	312320	2031	1320	1000	900000	45000	512	100	4240
10.	Keonjhar	491820	3695	1300	1000	99998	47400	3900	1261	1634
	Total	3190615	27015	9840	29720	5256998	499360	22590	3535	50768

Cancellation of Govt. holidays & leave of Govt. Employees:

To facilitate unaffected districts and State level offices to provide human resource, material and logistics support to the cyclone affected districts,

- Government holidays are cancelled
 - Government officials to stay in headquarters.
 - Leave of all Govt. employees is cancelled till further orders.
 - Govt. employees on leave are called back to duty, if required.
- **The system is being closely monitored.**

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