

## SPECIAL BULLETIN - 25

DATE: 26.05.2021  
TIME: 1230 HRS IST

**Sub:** The Very Severe Cyclonic Storm 'Yaas' (pronounced as 'Yass') over northwest Bay of Bengal, close to north Odisha coast – (Cyclone Warning for Odisha – West Bengal coasts- Red Message)

The Very Severe Cyclonic Storm 'Yaas' (pronounced as 'Yass') over northwest Bay of Bengal moved north-northwestwards with a speed of about 17 kmph during past 6 hours, and lay centred at 0830 hrs IST of today, the 26th May, 2021 over northwest Bay of Bengal, close to north Odisha coast, near latitude 21.2°N and longitude 87.3°E, about 45 km north-northeast of Dhamra, 40 km south-southeast of Balasore (Odisha) and 60 km southwest of Digha (West Bengal).

As per the latest observations, the landfall process has commenced. The system would cross north Odisha coast to the south of Balasore during next 3 hours as a Very Severe Cyclonic Storm with a maximum sustained wind speed of 130 -140 kmph gusting to 155 kmph.

The Cyclone is being tracked by the surface meteorological observatories over Odisha & West Bengal coasts as well as by Doppler Weather RADAR at Paradip. As per the observations at 0830 hrs IST of today, the 26th May 2021, Balasore reported wind speed of 83 kmph, Chandbali- 56 kmph, Paradip – 44 kmph, Digha – 44 kmph and Bhubaneswar- 33 kmph.

The significant amount of rainfall during past 24 hours ending at 0830 hrs IST of today:

Chandbali – 28.8 cm, Kendrapara – 25.1 cm, Jagatsinghpur – 22.6 cm. (Annexure –I)

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
26.05.21/0830	21.2/87.1	130-140 gusting to 155	VERY SEVERE CYCLONIC STORM
26.05.21/1130	21.4/86.9	120-130 gusting to 145	VERY SEVERE CYCLONIC STORM
26.05.21/1730	21.8/86.6	90-100 gusting to 110	SEVERE CYCLONIC STORM
26.05.21/2330	22.3 /86.2	60-70 gusting to 80	CYCLONIC STORM
27.05.21/0530	22.9/85.6	45-55 gusting to 65	DEPRESSION

### Warnings:

#### (i) Rainfall:

Days	Forecast	Heavy Rainfall Warning
<b>Day-1:</b> Valid from 0830 Hrs IST of 26.05.21 to 0830 Hrs IST of 27.05.21	Light to moderate rain or thundershower very likely to occur at most places over the districts of north Odisha, at a few over the districts of south Odisha.	<b>Red Warning (Take Action)</b> Heavy to very heavy rainfall at a few places with isolated extremely heavy fall very likely to occur over the districts of Balasore, Bhadrak, Jajpur, Kendrapada, Jagatsinghpur, Cuttack, Mayurbhanj, Keonjhar and Dhenkanal. <b>Yellow Warning (Be updated)</b> Heavy very heavy rainfall very likely to occur at isolated places over the districts of Anugul, Deogarh, Sundergarh and Sambalpur
<b>Day-2:</b> Valid from 0830 Hrs IST of 27.05.21 to	Light to moderate rain or thundershower very likely to occur at many places over the districts of north interior Odisha, at a few	<b>Yellow Warning (Be updated)</b> Heavy rainfall very likely to occur at isolated places over the districts of Sundergarh, and Keonjhar.

0830 Hrs IST of 28.05.21.	over the districts of north coastal Odisha and at one or two places over the districts of south Odisha.	
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**(ii) Wind warning**

- Gale wind speed reaching 130-140 kmph gusting 155 kmph is prevailing over Northwest Bay of Bengal and along & off north Odisha coast and adjoining West Bengal coast including Jagatsinghpur, Kendrapara, Bhadrak, Balasore districts of Odisha.
- Squally wind speed reaching 100-110 kmph gusting 120 kmph would prevail over Jajpur & Mayurbhanj Districts of Odisha and till 26th noon.
- Gale wind speed reaching 60-80 kmph gusting to 90 kmph would prevail over Cuttack, , Dhenkanal and Keonjhar districts of Odisha till 26th noon.
- Squally wind speed reaching 50-60 kmph gusting to 70 kmph would prevail over Khurda,,Puri, Angul, Deogarh & Sundergarh districts of Odisha during same period.

**(iii) Sea condition**

Sea condition is Phenomenal over northwest Bay of Bengal along & off Odisha–West Bengal-Bangladesh coasts and High to very High over adjoining westcentral Bay of Bengal and rough to very rough along & off north Andhra Pradesh coasts till 26<sup>th</sup> Afternoon.

**(iv) Fishermen Warning**

The fishermen are advised not to venture into sea along and off Odisha coast and North Bay of Bengal till 27<sup>th</sup> May, 2021.

**(v)Port Warning:**

Keep hoisted Great Danger Signal No. 10(GD10) at Paradip and Dhamra Ports of Odisha, Great Danger Signal No. 8(GD8) at Puri Port and Local Cautionary Signal No. 3 (LC3) at Gopalpur Port of Odisha.

**(vi) Storm surge warning.**

Tidal waves of height 2-3 meters above astronomical tide are likely to inundate low lying areas of Balasore, Bhadrak and about 2 meters above astronomical tide are likely to inundate low lying areas of Kendrapara & Jagatsinghpur Districts around the time of landfall.

**Damage Expected for coastal districts of North Odisha, and adjoining interior districts:**

- ❖ 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.
- ❖ Flooding of escape routes.
- ❖ 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.
- ❖ Visibility severely affected

**Action Suggested for coastal districts of North Odisha, and adjoining interior districts:**

- Suspension of fishing operation and movement of ships in disturbed areas.
- Ports along the east coast of India may take necessary pre-cautions.
- Naval base operations may maintain necessary pre-cautions
- Tourism activities may be restricted over these areas.
- Mobilise evacuation from coastal areas of West Bengal & North Odisha.
- Judicious regulation of rail and road traffic.
- People in affected areas to remain indoors.
- Preparatory action before the cyclones.

### **Post landfall outlook for north interior districts of Odisha**

After the landfall the system is very likely to move northwestwards across interior districts of Odisha and weaken gradually. It is likely to maintain the intensity of Cyclonic Storm till the early morning of 27th May and thereafter it will weaken gradually into a Depression over Jharkhand.

### **Damage expected over north interior districts of Odisha:**

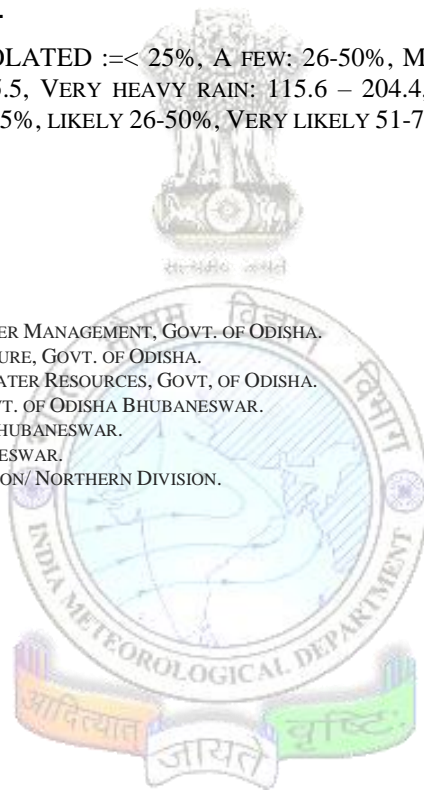
- Major damage to thatched houses/ huts. Roof tops may blow off. Unattached metal sheets may fly.
- Minor damage to power and communication lines.
- Major damage to Kutcha and some damage to Pucca roads. Flooding of escape routes.
- Breaking of tree branches, uprooting of trees. Damage to banana and papaya trees. Dead limbs blown from trees.
- Major damage to coastal crops.

**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. PROBABILISTIC FORECAST: UNLIKELY :=< 25%, LIKELY 26-50%, VERY LIKELY 51-75%, MOST LIKELY > 75%

To

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.

Dr.H.R. Biswas,  
Head & Scientist-E,  
Met .Centre Bhubaneswar



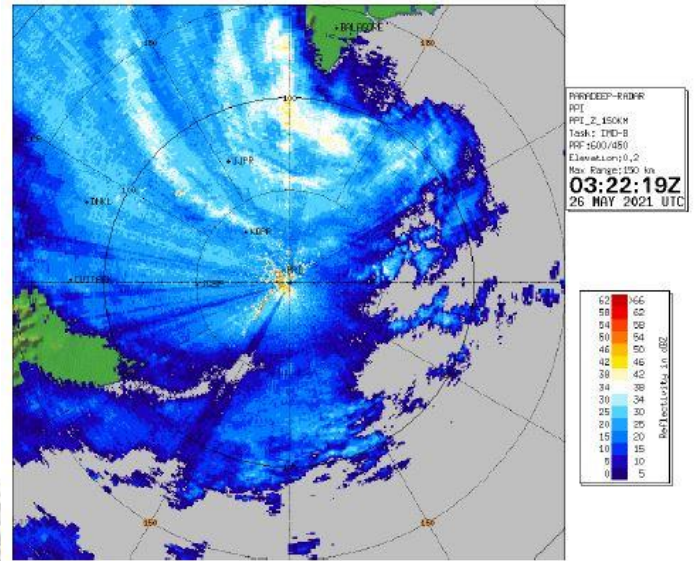
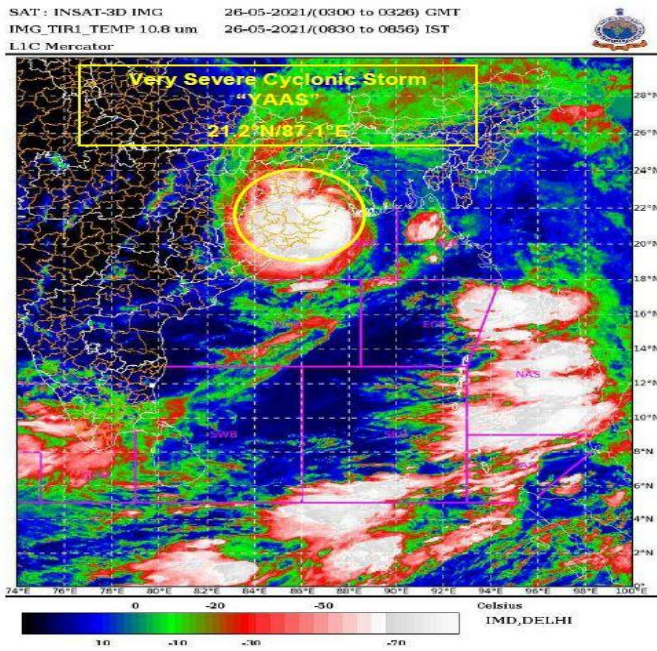
Realised rainfall (mm) over Odisha during past 24 hours ending at 0830 hrs IST of today the 26<sup>th</sup> May 2021.

MAJOR RAINFALL IN MM		26 May 2021	
REGION	DISTRICTS	STATION	RAINFALL
NCO	BHADRAK	CHANBALI	288.3
NCO	KENDRAPADA	RAJAKANIKA *	251.0
NCO	KENDRAPADA	GARADPUR	245.0
NCO	KENDRAPADA	MARSHAGHAI	229.0
NCO	JAGATSINGHPUR	KUJANGA	226.0
NCO	JAGATSINGHPUR	TIRTOL	207.0
NCO	JAIPUR	BINJHARPUR	206.0
NCO	JAGATSINGHPUR	PARADEEP	200.3
NCO	KENDRAPADA	PATAMUNDAI *	195.0
NCO	JAGATSINGHPUR	BALIKUDA	193.0
NCO	KENDRAPADA	DERABIS	185.0
SCO	PURI	ASTARANGA	180.0
NCO	BHADRAK	BHADRAK	167.0
NCO	KENDRAPADA	KENDRAPADA *	164.0
NCO	BALASORE	SORO	160.0
NCO	BHADRAK	DHAMNAGAR	160.0
NCO	JAGATSINGHPUR	JAGATSINGHPUR	150.0
NCO	BHADRAK	TIHIDI	142.0
NCO	JAIPUR	BARI	140.8
NCO	JAIPUR	JAIPUR	135.0
NCO	BALASORE	NILGIRI *	128.0
NCO	BHADRAK	AKHUAPADA	127.6
NCO	BHADRAK	BASUDEVPUR	125.0
NCO	JAIPUR	CHANDIKHOL	121.0
NCO	BHADRAK	BONTH	117.0
NCO	JAIPUR	KOREI	114.4
SCO	PURI	KAKATPUR *	110.1
NCO	JAIPUR	DANAGADI	96.0
NCO	JAIPUR	JENAPUR	93.0
NCO	CUTTACK	NISCHINTAKOILI	89.3
NCO	BALASORE	BHOGORAI	86.3
NCO	CUTTACK	NIALI	84.0
NIO	KEONJHAR	ANANDPUR	80.6
NIO	MAYURBHANJ	KAPTIPADA	78.0
NIO	MAYURBHANJ	JOSHIPUR *	75.1
NCO	BALASORE	JALESWAR	71.0
NCO	CUTTACK	MAHANGA	70.0
NCO	CUTTACK	SALIPUR	70.0
NIO	MAYURBHANJ	CHANDANPUR	69.2
NCO	BALASORE	NH-5,GOVINDPUR	69.0
NIO	MAYURBHANJ	BALIMUNDALI	67.2
NIO	MAYURBHANJ	BETANATI	66.0
NCO	BALASORE	BALASORE	65.0
NIO	KEONJHAR	JHUMPURA *	64.8

Legend: NCO – North Coastal Odisha;  
SCO – south Coastal Odisha  
NIO – North Interior Odisha

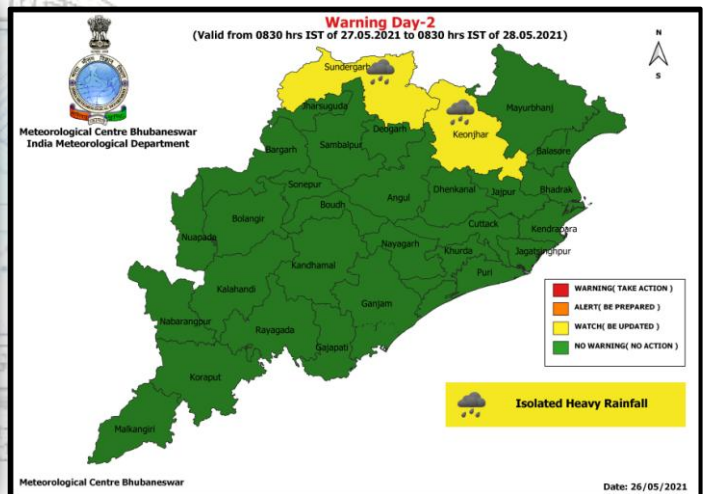
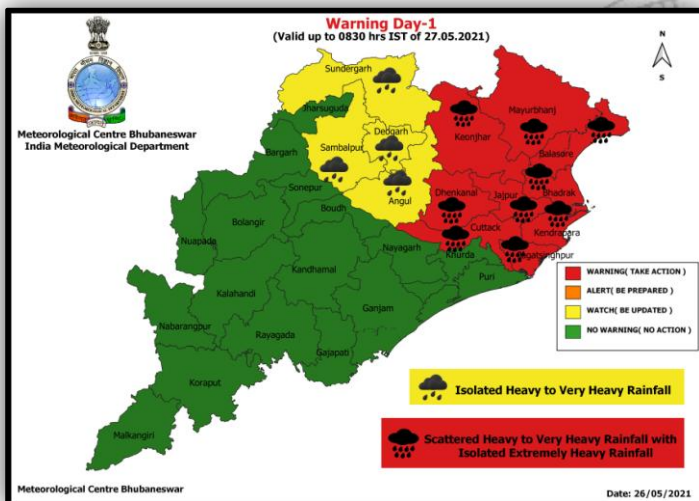


## Latest imagery from Doppler Weather RADAR Paradip

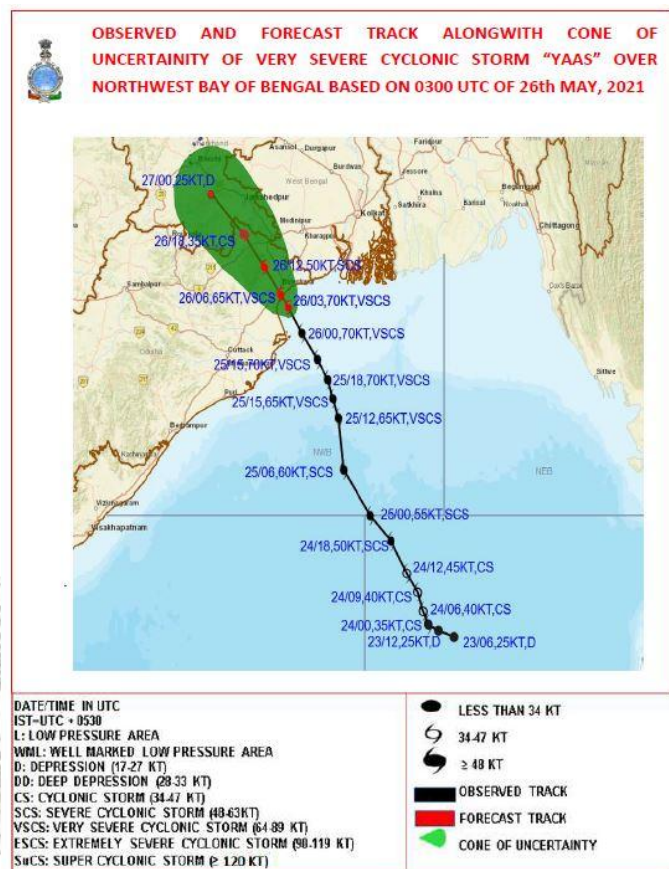
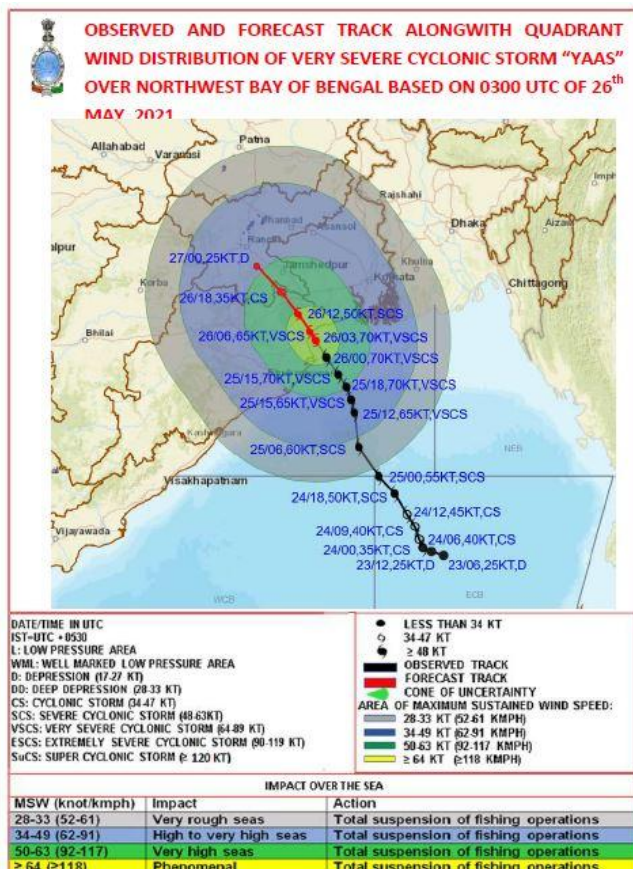


Latest imagery from Doppler Weather RADAR Paradip

## Rainfall Warning Maps for Day-1 to Day-2







### Storm surge information

MANDAL/ TALUK	DISTRICT	NEAREST PLACE OF HABITATION	STORM SURGE(M)*	EXPECTED INUNDATION EXTENT(KM)
Balasore	Balasore	Kumbhargari	1.2-3.3	Upto 3.53
Bhadrak	Bhadrak	Mohanpur	1.0-2.9	Upto 7.50
Kendrapada	Kendrapada	Tikayat Nagar	0.5-1.4	Upto 2.64

\* The below listed surge heights are over and above astronomical tide.

