

SPECIAL BULLETIN - 24

DATE: 26.05.2021
TIME: 0930 HRS IST

Sub: The Very Severe Cyclonic Storm ‘Yaas’ (pronounced as ‘Yass’) over northwest Bay of Bengal – (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 15 kmph during past 6 hours, and lay centred at 0530 hrs IST of today, the 26th May, 2021 over northwest Bay of Bengal near latitude 20.8°N and longitude 87.3°E, about 40 km east of Dhamra, 90 km south-southeast of Balasore (Odisha) and 90 km south-southwest of Digha (West Bengal).

It is very likely to move north-northwestwards and cross north Odisha coast to the north of Dhamra and south of Balasore during noon of today, the 26th May as a Very Severe Cyclonic Storm.

The Cyclone is being tracked by Doppler Weather RADAR at Paradip.

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
26.05.21/0530	20.8/87.3	130-140 gusting to 155	VERY SEVERE CYCLONIC STORM
26.05.21/1130	21.3/86.9	130-140 gusting to 155	VERY SEVERE CYCLONIC STORM
26.05.21/1730	21.8/86.5	95-105 gusting to 115	SEVERE CYCLONIC STORM
26.05.21/2330	22.3 /86.1	60-70 gusting to 80	CYCLONIC STORM
27.05.21/0530	22.9/85.5	40-50 gusting to 60	DEPRESSION
27.05.21/1730	23.9/84.5	20-30 gusting to 40	WELL MARKED LOW

Warnings:

(i) Rainfall:

Days	Forecast	Heavy Rainfall Warning
Day-1: 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 many over the districts of south Odisha.	Red Warning (Take Action) 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. Yellow Warning (Be updated) Heavy rainfall very likely to occur at isolated places over the districts of Anugul, Deogarh, Khurdha, Puri and Sundergarh.
Day-2: Valid from 0830 Hrs IST of 27.05.21 to 0830 Hrs IST of 28.05.21.	Light to moderate rain or thundershower very likely to occur at many places over the districts of north interior Odisha, at a few over the districts of north coastal Odisha and at one or two places over the districts of south Odisha.	Yellow Warning (Be updated) Heavy rainfall very likely to occur at isolated places over the districts of Sundergarh, Deogarh and Keonjhar.

(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 till 26th noon.

- Gale wind speed reaching 60-80 kmph gusting to 90 kmph would prevail over Puri, Cuttack, Khurda, Dhenkanal and Keonjhar districts of Odisha till 26th noon.
- Squally wind speed reaching 50-60 kmph gusting to 70 kmph would prevail over Khurda, Angul, Deogarh & Sundergarh districts of Odisha during same period.

(Wind warning for different districts given in Map below).

(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 26th Afternoon.

(iv) Fishermen Warning

The fishermen are advised not to venture into sea along and off Odisha coast and North Bay of Bengal till 27th 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 2-4 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.

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ପୃଥିବୀବିଜ୍ଞାନମନ୍ତ୍ରାଳୟ
ଭାରତପାଣିପାଗବିଜ୍ଞାନବିଭାଗ
ପାଣିପାଗବିଜ୍ଞାନକେନ୍ଦ୍ର
ଭୁବନେଶ୍ୱର, ଓଡ଼ିଶା-୭୫୧୦୨୦

Damage expected over north interior districts of Odisha:

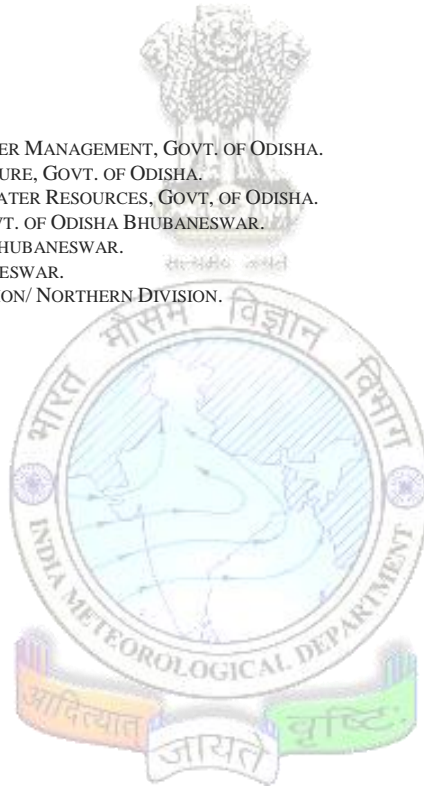
- Major damage to thatched houses/ huts. Roof tops may blow off. Unattached metal sheets may fly.
- Minor damage to power and communication lines.
- Major damage to Kutcha and some damage to Pucca roads. Flooding of escape routes.
- Breaking of tree branches, uprooting of trees. Damage to banana and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

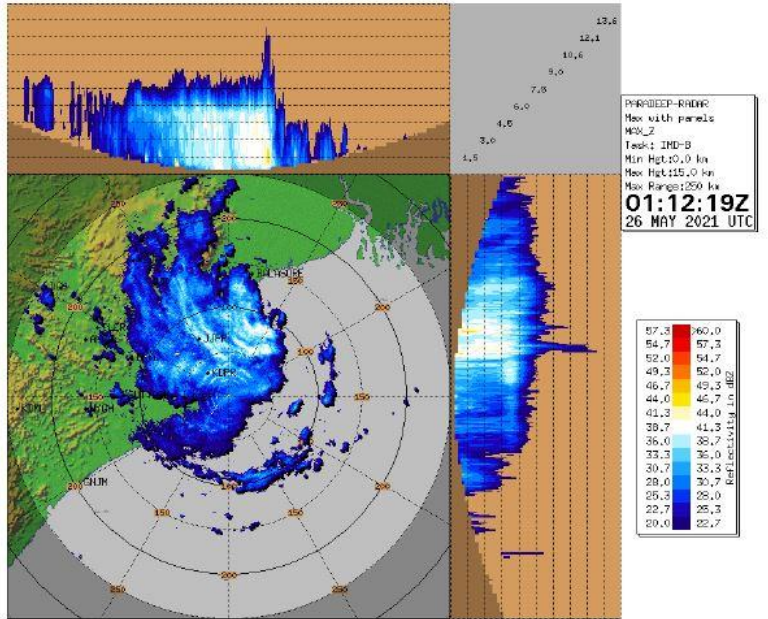
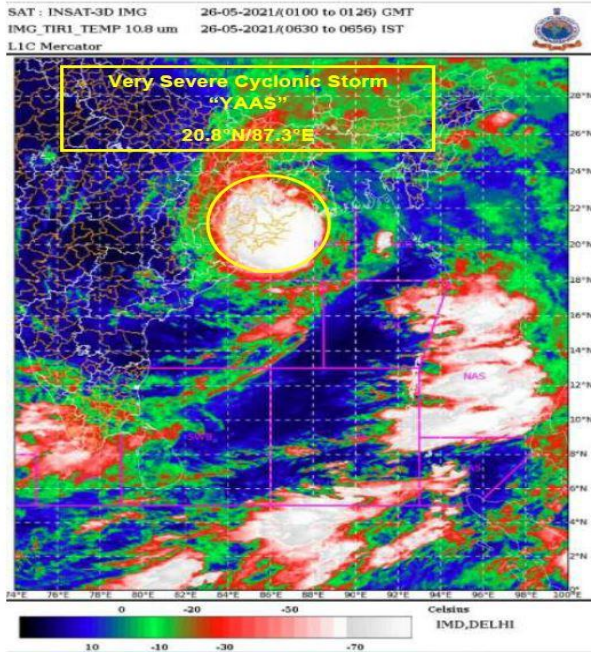
Dr.H.R. Biswas,
Head & Scientist-E,
Met .Centre Bhubaneswar

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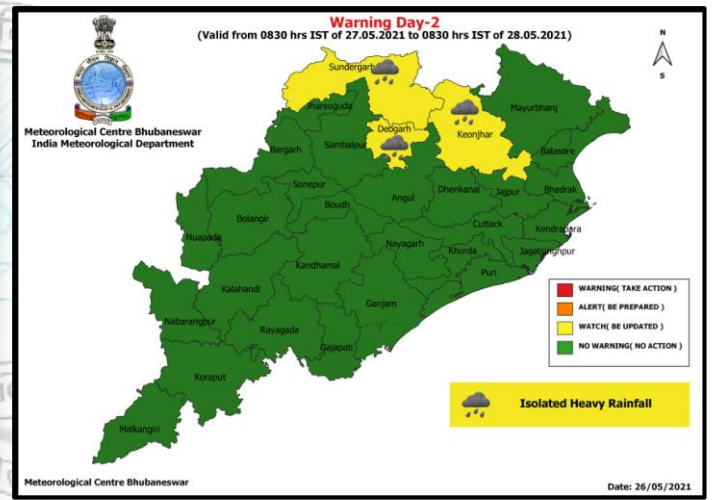
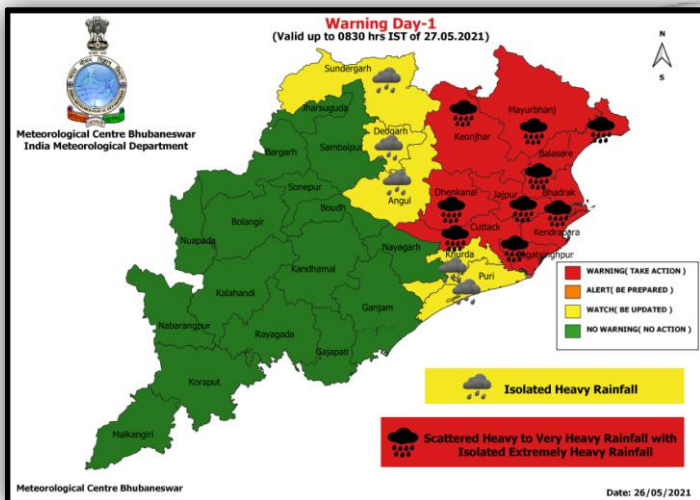
1. CHIEF SECRETARY, GOVT OF ODISHA.
2. PRINCIPAL SECRETARY, REVENUE & DISASTER MANAGEMENT, GOVT. OF ODISHA.
3. PRINCIPAL SECRETARY, DEPT. OF AGRICULTURE, GOVT. OF ODISHA.
4. PRINCIPAL SECRETARY, DEPARTMENT OF WATER RESOURCES, GOVT. OF ODISHA.
5. SPECIAL RELIEF COMMISSIONER (SRC), GOVT. OF ODISHA BHUBANESWAR.
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.

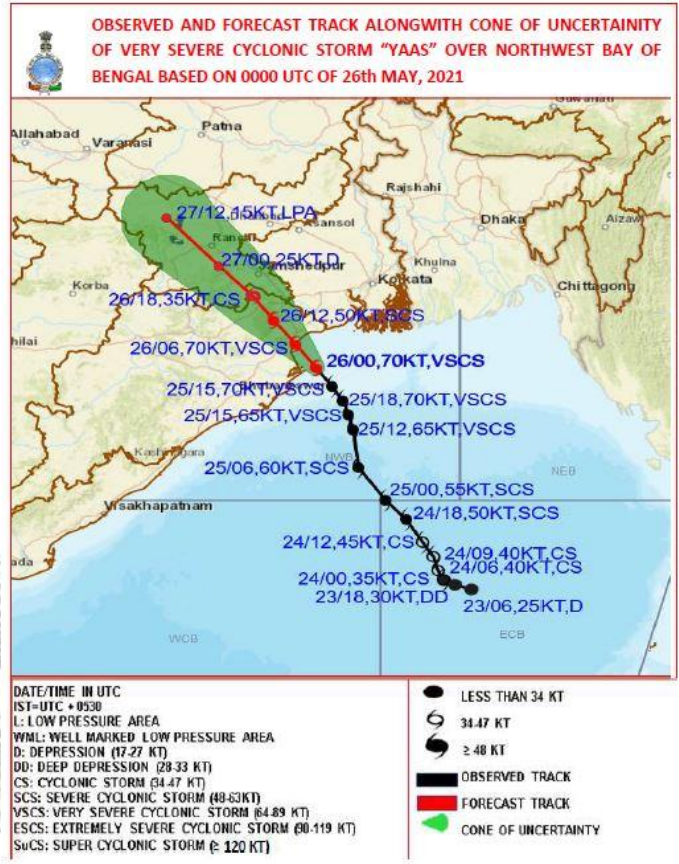
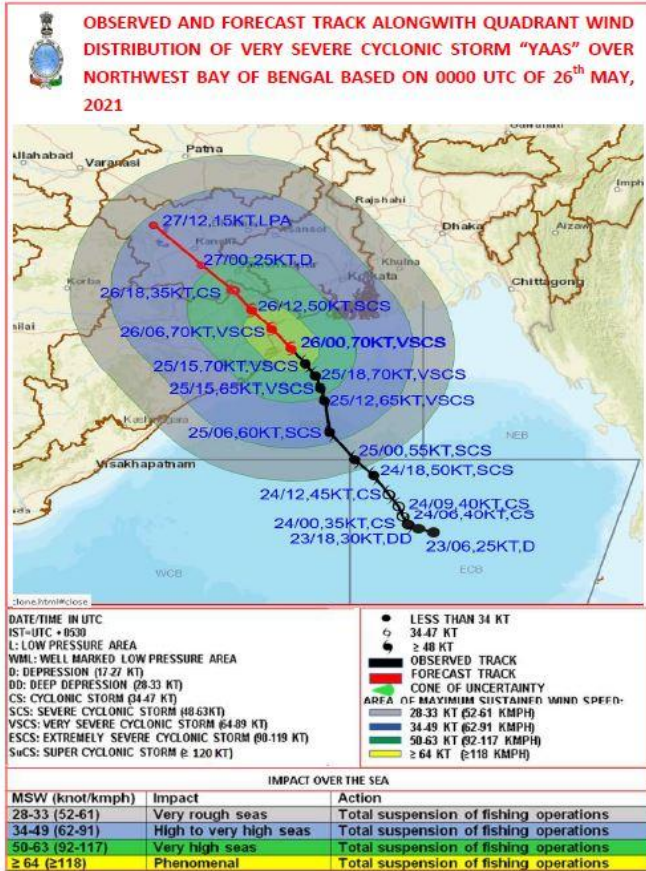


Latest imagery from Doppler Weather RADAR Paradip



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	Kumbhigari	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.

