



**India Meteorological Department
(Ministry of Earth Sciences)**

BULLETIN NO. : 22 (BOB/02/2021)

TIME OF ISSUE: 1430 HOURS IST

DATED: 26.05.2021

FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)

**TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23012284, 23018638)
PS TO HON'BLE MINISTER FOR S & T AND EARTH SCIENCES (FAX NO.23316745)
SECRETARY, MOES, (FAX NO. 24629777)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
DIRECTOR GENERAL, DOORDARSHAN (23385843)
DIRECTOR GENERAL, AIR (23421105, 23421219)
PIB MOES (FAX NO. 23389042)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX NO. 26105912, 2436 3260)
DG COAST GUARD: (FAX NO:011- 23383196)
DIRECTOR, PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
CHIEF SECRETARY, WEST BENGAL (FAX NO. 033-22144328)
CHIEF SECRETARY, GOVT. OF ODISHA (FAX NO. 0674 -2536660)
CHIEF SECRETARY, ANDHRA PRADESH (FAX NO. 0863-2441029, 08645-246600)
CHIEF SECRETARY, TAMIL NADU (FAX NO. 044-25672304)
CHIEF SECRETARY, PUDUCHERRY (FAX NO. 0413-2337575, 2334145)
CHIEF SECRETARY, JHARKHAND (FAX NO. 0651-2400255)
CHIEF SECRETARY, BIHAR (FAX NO. 0612-22217083/ 2217085)
CHIEF SECRETARY, ASSAM (FAX NO. 0361-2237200)
CHIEF SECRETARY, MEGHALAYA (FAX NO. 0364-2225978)**

Sub: The Very Severe Cyclonic Storm 'Yaas' (pronounced as 'Yass') over northwest Bay of Bengal, crossed 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 24 kmph during past 6 hours, crossed north Odisha coast around Latitude 21.35°N and Longitude 86.95°E, about 20 km to the south of Balasore as a Very Severe Cyclonic Storm with a maximum sustained wind speed of 130 -140 kmph gusting to 155 kmph between 1030 & 1130 hrs IST of today, the 26th May 2021. It lay centred at 1130 hrs IST of today, the 26th May, 2021 over north coastal Odisha, near latitude 21.4°N and longitude 86.9°E, about 15 km south-southwest of Balasore (Odisha).

The system is very likely to move northwestwards across interior districts of Odisha and weaken gradually into a Severe Cyclonic Storm during next 3 hours and into a Cyclonic Storm during the subsequent 6 hours.

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
26.05.21/1130	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:

Odisha: Light to moderate rainfall at most places with heavy to very heavy rainfall and **extremely heavy rainfall (≥ 20 cm)** at isolated places in Mayurbhanj, Keonjhar, Dhenkanal, Jajpur, isolated heavy to very heavy rainfall over Balasore, Bhadrak, Kendrapara, Jagatsinghpur, Deogarh, Sundergarh and Angul on 26th and heavy falls at isolated places in north interior Odisha on 27th May.

West Bengal: Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places on 26th May and heavy rain at isolated places on 27th May.

Jharkhand: Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places and **extremely heavy falls** at isolated places on 26th and heavy to very heavy rainfall and **extremely heavy falls** at isolated places 27th May.

Bihar: Light to moderate rainfall at most places with heavy to very heavy rainfall and **extremely heavy falls** at isolated places on 27th May.

(ii) Wind warning:

- Gale wind speed reaching 120-130 kmph gusting 145 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 and Gale wind speed reaching 90-100 kmph gusting 110 kmph is prevailing along & off West Bengal coast including east Medinipur and south 24 Parganas districts of West Bengal. It is very likely to reduce gradually becoming 90-100 kmph gusting to 110 kmph from today evening and reduce gradually from tonight.
- Gale wind speed reaching 80-90 kmph gusting 100 kmph would prevail over Ganjam, Khurda, Jajpur & Mayurbhanj Districts of Odisha and Howrah, Hooghly, north 24 Parganas Districts of West Bengal till 26th afternoon and reduce gradually from tonight.
- Gale wind speed reaching 60-80 kmph gusting to 90 kmph would prevail over Puri, Cuttack, Khurda, Nayagarh, Dhenkanal and Keonjhar districts of Odisha till 26th noon. The wind speed reaching 55-65 kmph gusting to 75 kmph would prevail over remaining interior districts of north Odisha and Bankura, Purulia, Howrah, Hooghly, Nadia & Burdhaman districts of West Bengal till today evening and reduce gradually from tonight.
- Squally wind speed reaching 50-60 kmph gusting to 70 kmph would prevail over Angul, Deogarh & Sundergarh districts of Odisha, Birbhum & Murshidabad districts of West Bengal till today evening and start reducing gradually from tonight.
- Squally wind speed reaching 40-50 kmph gusting 60 kmph is very likely to prevail over south Jharkhand during next 6 hours and increase gradually becoming 60-70 kmph gusting to 80 kmph over southeast Jharkhand and 40-50 kmph gusting to 60 kmph over southwest Jharkhand during 26th night to 27th forenoon.

(iii) Sea condition

- Sea condition would be High to very High over northwest Bay of Bengal along & off Odisha–West Bengal coasts till 26th evening.

(iv) Fishermen Warning

- The fishermen are advised not to venture into north Bay of Bengal and along & off north Odisha–West Bengal coasts during next 24 hours.

(v) Storm surge warning.

Tidal waves of height 1-2 meters above astronomical tide are likely to inundate low lying areas of Balasore, Bhadrak, Medinipur, South 24 Parganas, Districts during next 2-3 hours.

Damage Expected for coastal districts of North Odisha, West Bengal and adjoining interior districts of these states:

- ❖ 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.
- ❖ Visibility severely affected

Action Suggested for coastal districts of North Odisha, West Bengal and adjoining interior districts of these states:

- 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.

Damage expected over north interior districts of Odisha and interior districts of Gangetic West Bengal adjoining 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.

The next bulletin will be issued at 1730 hrs IST of today, the 26th May, 2021.

(Sunitha Devi. S)
Scientist-F, RSMC, New Delhi

Copy to: ACWC Kolkata/ Chennai/ CWC Bhubaneswar/CWC Visakhapatnam

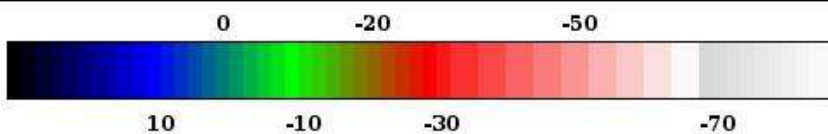
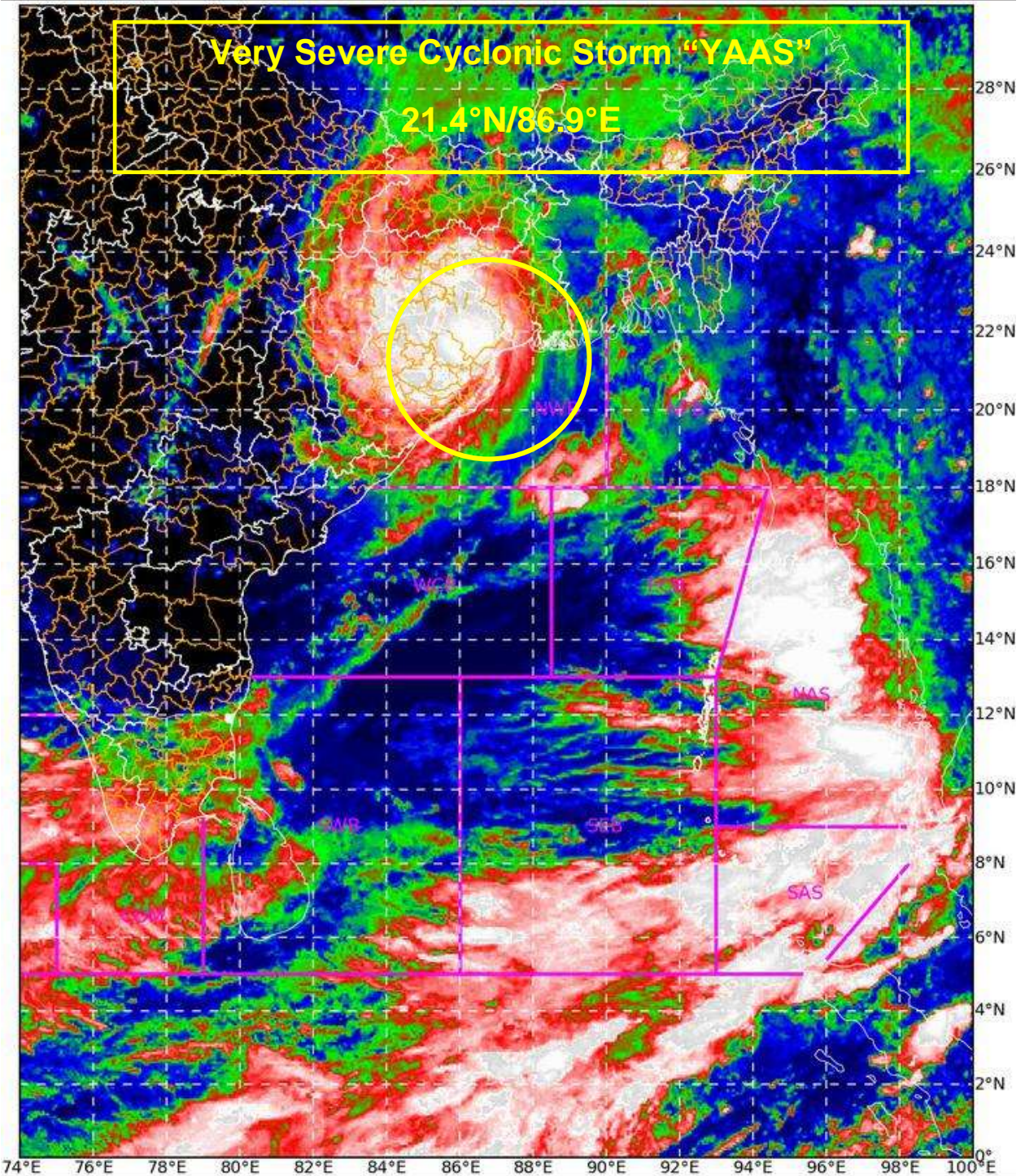
SAT : INSAT-3D IMG

26-05-2021/(0800 to 0827) GMT

IMG_TIR1_TEMP 10.8 um

26-05-2021/(1330 to 1357) IST

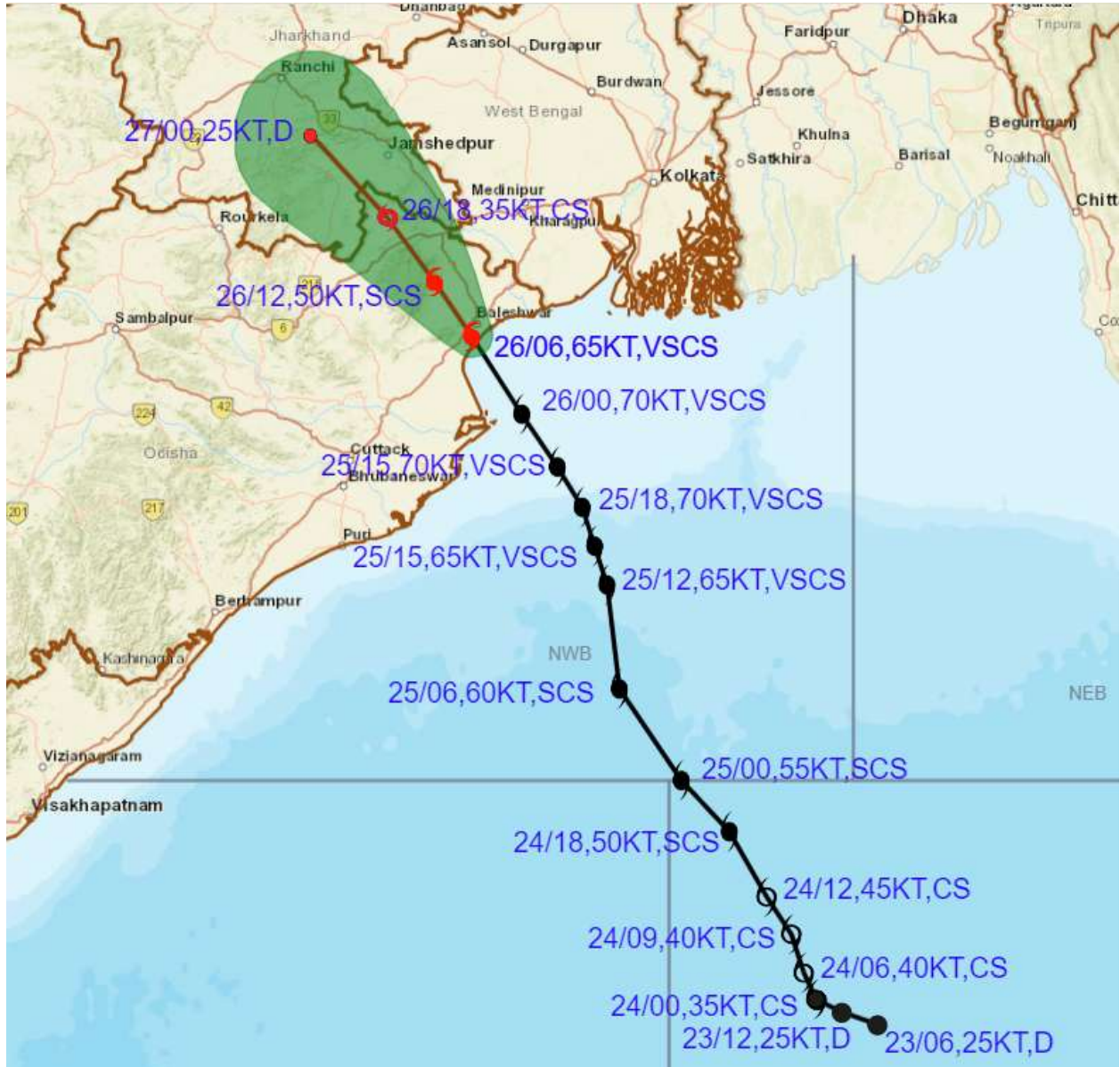
L1C Mercator



Celsius
IMD, DELHI



OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF VERY SEVERE CYCLONIC STORM "YAAS" OVER NORTH COASTAL ODISHA BASED ON 0600 UTC OF 26th MAY, 2021

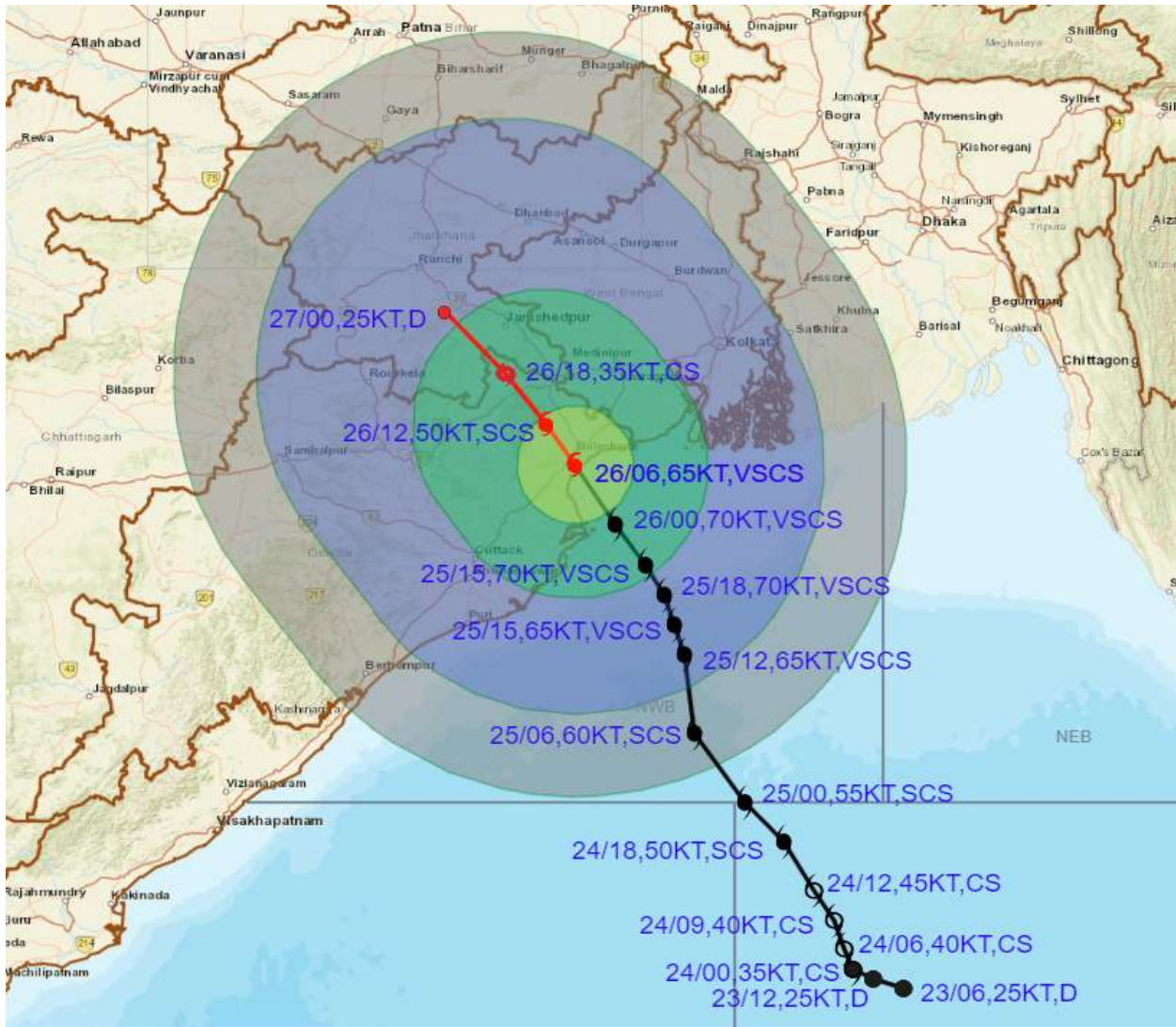


DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
 SuCS: SUPER CYCLONIC STORM (\geq 120 KT)

- LESS THAN 34 KT
- ⦿ 34-47 KT
- ⦿ \geq 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- ▲ CONE OF UNCERTAINTY



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF VERY SEVERE CYCLONIC STORM "YAAS" OVER NORTH COASTAL ODISHA BASED ON 0600 UTC OF 26th MAY, 2021



DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
 SuCS: SUPER CYCLONIC STORM (\geq 120 KT)

● LESS THAN 34 KT
 ○ 34-47 KT
 ● \geq 48 KT
 — OBSERVED TRACK
 — FORECAST TRACK
 — CONE OF UNCERTAINTY
 AREA OF MAXIMUM SUSTAINED WIND SPEED:
 ■ 28-33 KT (52-61 KMPH)
 ■ 34-49 KT (62-91 KMPH)
 ■ 50-63 KT (92-117 KMPH)
 ■ \geq 64 KT (\geq 118 KMPH)

IMPACT OVER THE SEA

MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
\geq 64 (\geq 118)	Phenomenal	Total suspension of fishing operations