



India Meteorological Department
(Ministry of Earth Sciences)

BULLETIN NO. : 24 (BOB/02/2021)

TIME OF ISSUE: 1925 HOURS IST

DATED: 26.05.2021

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

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Sub: Severe Cyclonic Storm 'Yaas' (pronounced as 'Yass') over northeast Odisha, weakened into a Cyclonic Storm over north Odisha.

The Severe Cyclonic Storm 'Yaas' (pronounced as 'Yass') over northeast Odisha moved northwestwards with a speed of about 10 kmph during past 6 hours, weakened into a **Cyclonic Storm** and lay centred at 1730 hrs IST of today, the 26th May, 2021 over north Odisha, near latitude 21.8°N and longitude 86.5°E, about 55 km west-northwest of Balasore (Odisha) and 30 km west-southwest of Baripada (Odisha).

The system is very likely to move further northwestwards and weaken into a Deep Depression during next 3-4 hours.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surfac wind speed (Kmph)	Category of cyclonic disturbance
26.05.21/1730	21.8/86.5	75-85 gusting to 95	Cyclonic Storm
26.05.21/2330	22.3 /86.1	55-65 gusting to 75	Deep Depression
27.05.21/0530	22.8/85.7	35-45 gusting to 55	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, Deogarh, Sundergarh and Angul and isolated heavy to very heavy rainfall over Balasore, Bhadrak, Kendrapara, Jagatsinghpur during next 12 hours and heavy falls at isolated places in extreme 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 60-70 kmph gusting 80 kmph is likely to prevail over Northwest Bay of Bengal and along & off north Odisha coast and squally wind speed reaching 50-60 kmph gusting 70 kmph along & off West Bengal coast during next 3 hours and improve gradually thereafter.
- Gale wind speed reaching 75-85 kmph gusting 95 kmph would prevail over north interior Districts of Odisha and adjoining areas of West Bengal during next 3 hours and decrease gradually thereafter.
- Gale wind speed reaching 40-50 kmph gusting to 60 kmph would prevail over Puri, Cuttack, Khurda, Nayagarh, Dhenkanal and Keonjhar districts of Odisha during next 3 hours and decrease thereafter. Squally 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 during next 3 hours and reduce gradually from tonight.
- Squally wind speed reaching 40-50 kmph gusting 60 kmph is very likely to prevail over south Jharkhand during next 3 hours and increase gradually becoming 55-65 kmph gusting to 75 kmph over south Jharkhand during 26th night to 27th early morning and decrease thereafter.

(iii) Sea condition

- Sea condition would be very rough to High over northwest Bay of Bengal along & off Odisha– West Bengal coasts during next 6 hours and improve gradually thereafter.

(iv) Fishermen Warning

- The fishermen are advised not to venture into north Bay of Bengal and along & off north Odisha– West Bengal coasts till 27th morning.

Damage expected & action suggested for north interior districts of Odisha and interior districts of Gangetic West Bengal during next 6 hours:

- Major damage to thatched houses/ huts. 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.
- Judicious regulation of rail and road traffic.
- People in affected areas to remain indoors.

The next bulletin will be issued at 2330 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

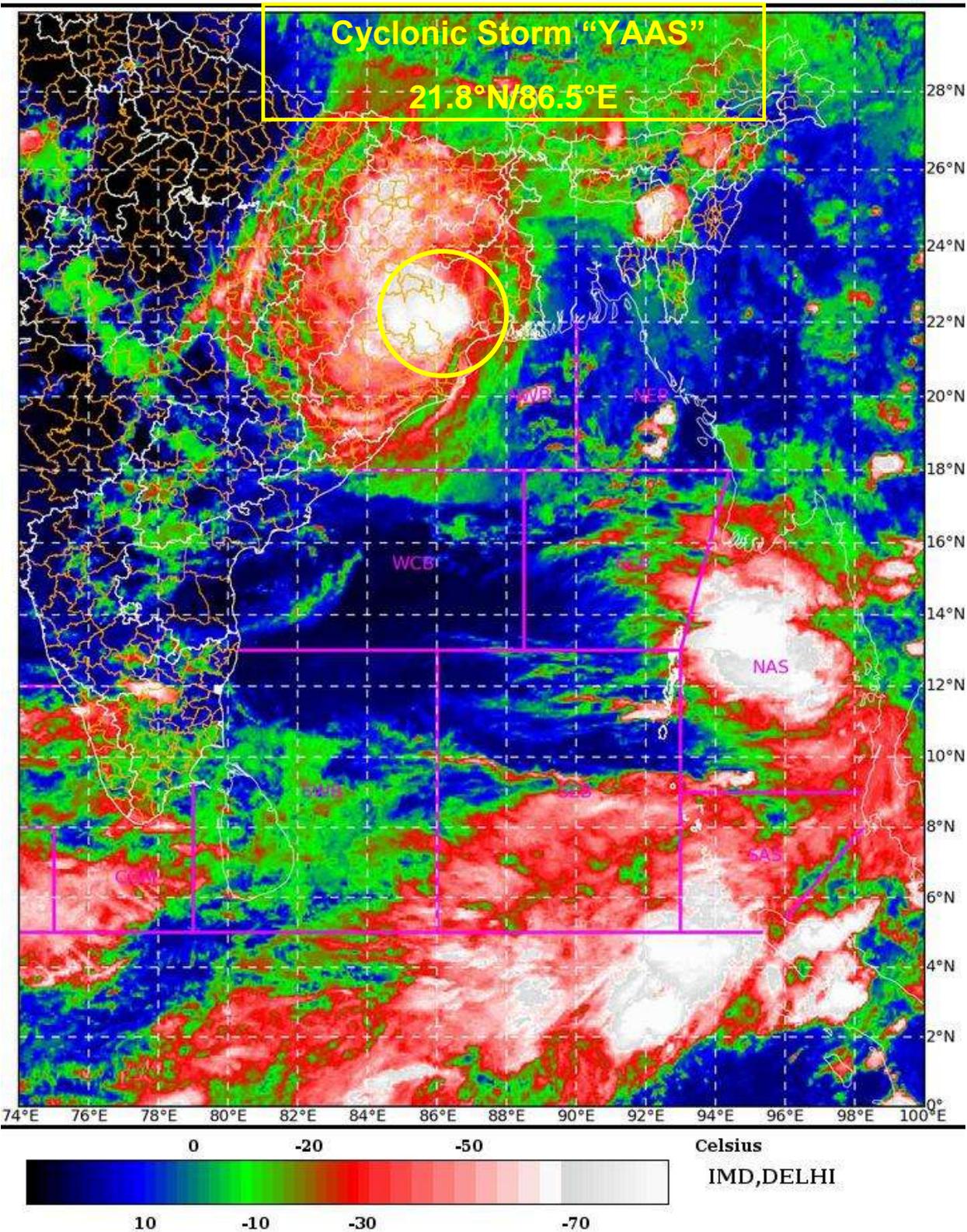
SAT : INSAT-3D IMG

26-05-2021/(1230 to 1256) GMT

IMG_TIR1_TEMP 10.8 um

26-05-2021/(1800 to 1826) IST

L1C Mercator





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF CYCLONIC STORM "YAAS" OVER NORTH ODISHA BASED ON 1200 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

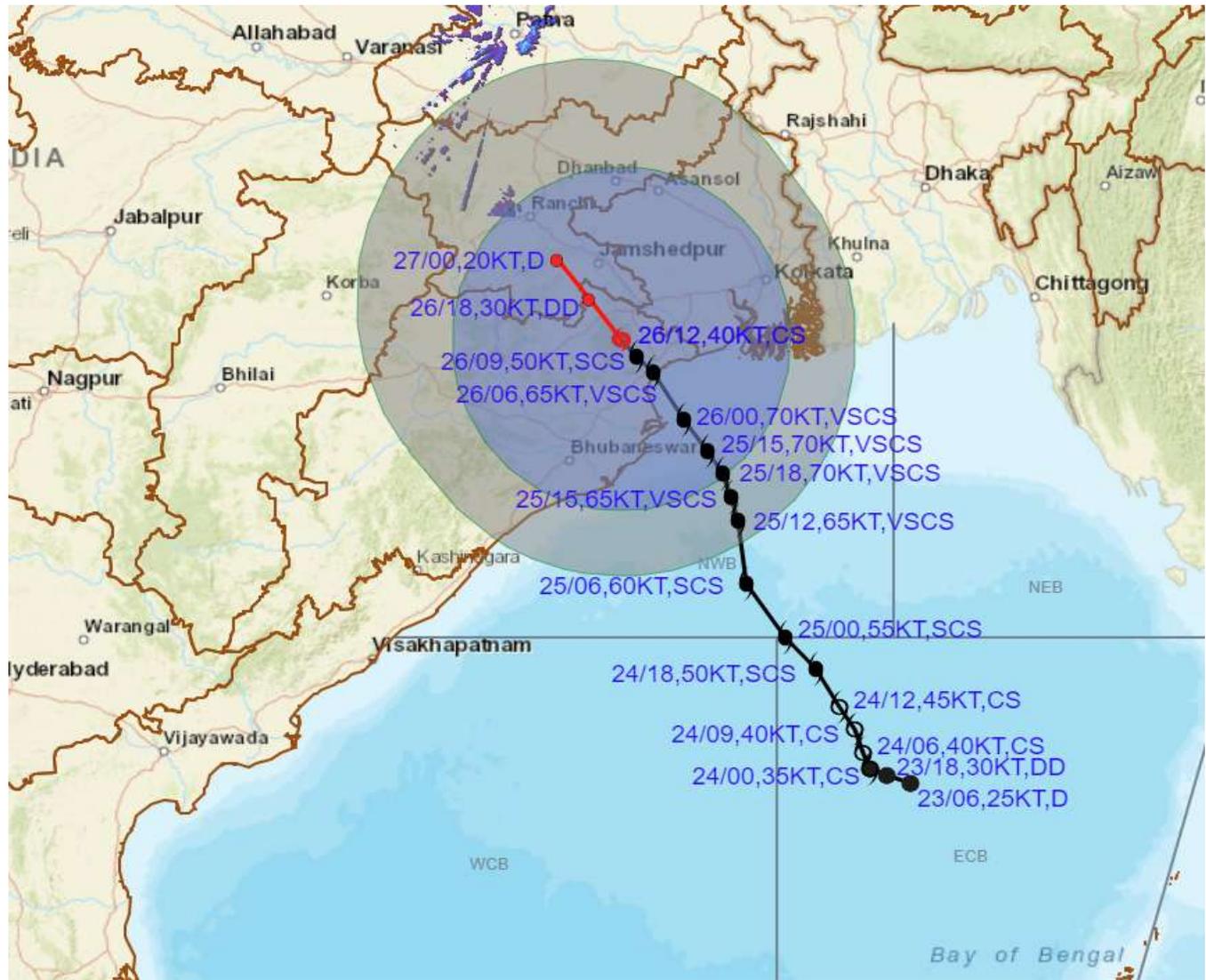
— OBSERVED TRACK

— FORECAST TRACK

▲ CONE OF UNCERTAINTY



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF CYCLONIC STORM "YAAS" OVER NORTH ODISHA BASED ON 1200 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