



India Meteorological Department
(Ministry of Earth Sciences)

BULLETIN NO. : 23 (BOB/02/2021)

TIME OF ISSUE: 1700 HOURS IST

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

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Sub: Very Severe Cyclonic Storm 'Yaas' (pronounced as 'Yass') over northwest Bay of Bengal, weakened into a Severe Cyclonic Storm over northeast Odisha.

The Very Severe Cyclonic Storm 'Yaas' (pronounced as 'Yass') over north coastal Odisha moved north-northwestwards with a speed of about 10 kmph during past 6 hours, weakened into a **Severe Cyclonic Storm** and lay centred at 1430 hrs IST of today, the 26th May, 2021 over northeast Odisha, near latitude 21.6°N and longitude 86.7°E, about 25 km west-northwest of Balasore (Odisha) and 35 km south-southwest of Baripada (Odisha).

The system is very likely to move northwestwards and weaken into a Cyclonic Storm during next 3 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
26.05.21/1430	21.6/86.7	90-100 gusting to 110	Severe Cyclonic Storm
26.05.21/1730	21.8/86.5	60-70 gusting to 80	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 during next 24 hours and isolated heavy to very heavy rainfall over Balasore, Bhadrak, Kendrapara, Jagatsinghpur, on 26th 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 90-100 kmph gusting 110 kmph is likely to prevail over Northwest Bay of Bengal and along & off north Odisha coast and Gale wind speed reaching 70-80 kmph gusting 90 kmph along & off West Bengal coast during next 3 hours and improve gradually thereafter.
- Gale wind speed reaching 80-90 kmph gusting 100 kmph would prevail over Mayurbhanj District 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 till 26th early night. 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 40-50 kmph gusting 60 kmph is very likely to prevail over south Jharkhand during next 6 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 High over northwest Bay of Bengal along & off Odisha–West Bengal coasts till 26th evening 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.

Action Suggested for coastal districts of North Odisha, West Bengal and adjoining interior districts of these states on 26th May:

- 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.
- 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 2030 hrs IST of today, the 26th May, 2021.

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

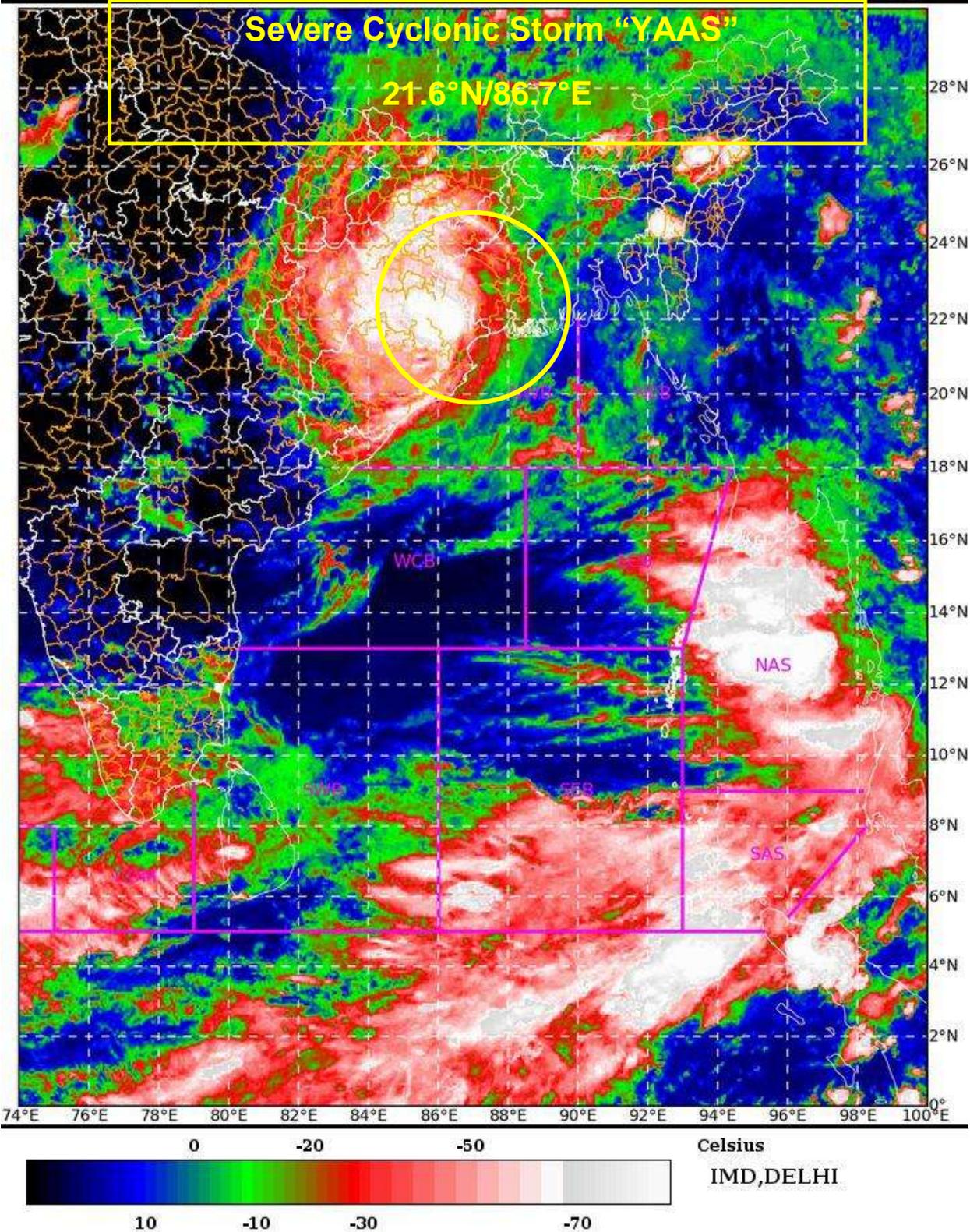
Copy to: ACWC Kolkata/ Chennai/ CWC Bhubaneswar/CWC Visakhapatnam

SAT : INSAT-3D IMG 26-05-2021/(1030 to 1056) GMT

IMG_TIR1_TEMP 10.8 um 26-05-2021/(1600 to 1626) IST



L1C Mercator





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF SEVERE CYCLONIC STORM "YAAS" OVER NORTHEAST ODISHA BASED ON 0900 UTC OF 26th MAY, 2021

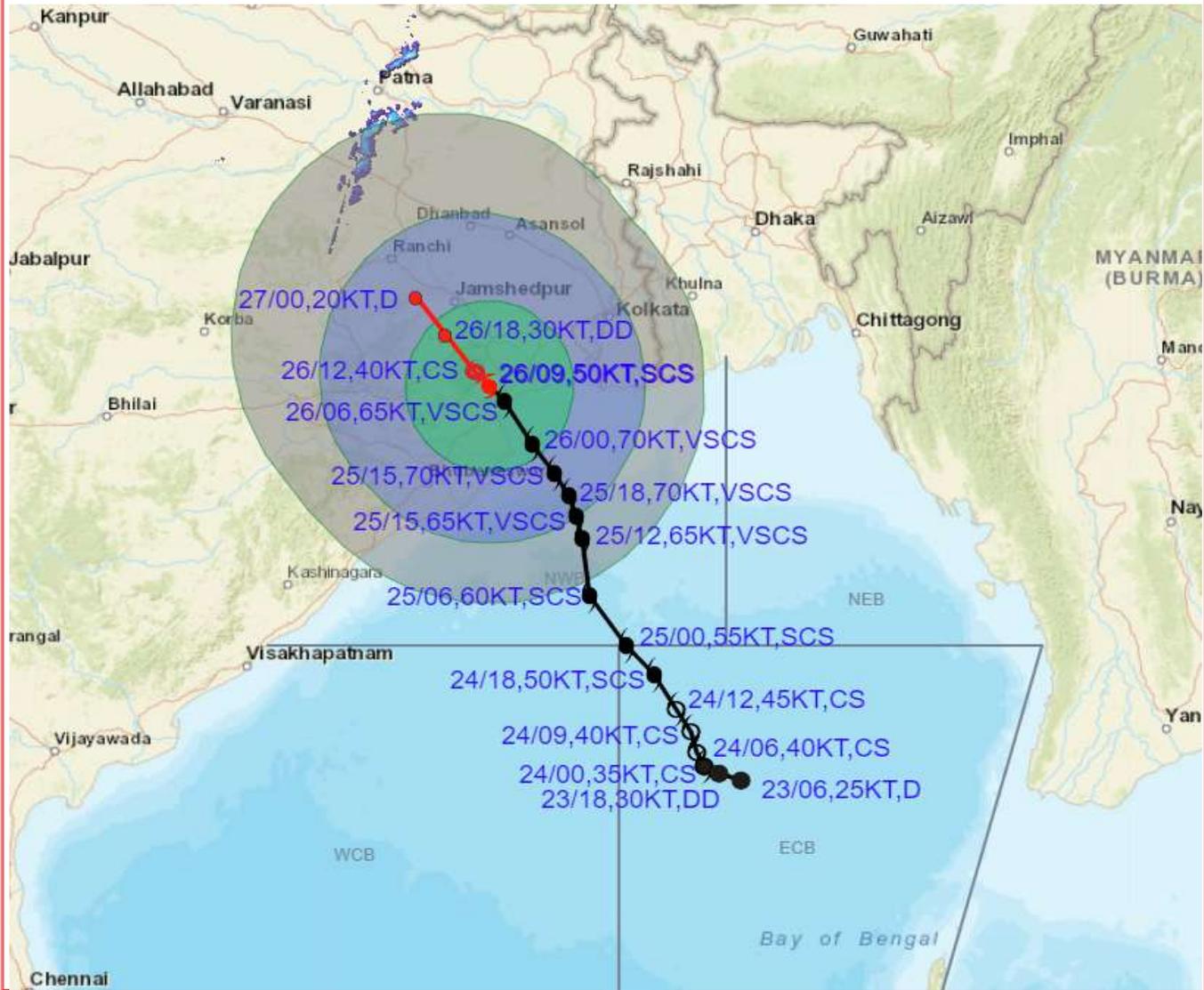


DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (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 SEVERE CYCLONIC STORM "YAAS" OVER NORTHEAST ODISHA BASED ON 0900 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)

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● 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