



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

BULLETIN NO. : 27(BOB/02/2021)

TIME OF ISSUE: 0530 HOURS IST

DATED: 27.05.2021

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

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Sub: Deep Depression over south Jharkhand

The **Deep Depression** over south Jharkhand and adjoining north interior Odisha moved north-northwestwards with a speed of about 15 kmph during past 6 hours and lay centred at 0230 hrs IST of today, the 27th May, 2021 over south Jharkhand and adjoining north interior Odisha, near latitude 22.6°N and longitude 85.5°E, about 70km south-southwest of Jamshedpur and 80 km south south-east of Ranchi.

The system is very likely to move further northwestwards and weaken gradually into a Depression during next 06 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
27.05.21/0230	22.6/85.5	35-45 gusting to 55	Depression
27.05.21/0530	22.9/85.1	35-45 gusting to 55	Depression
27.05.21/1130	23.5/84.6	25-35 gusting to 45	Low pressure area

Warnings:

(i) Rainfall:

Odisha: Light to moderate rainfall at most places with heavy to very heavy rains at a few places over north interior Odisha during next 12 hours and isolated heavy falls over the districts of north coastal Odisha (Balasore, Bhadrak, Kendrapara, Jagatsinghpur) during next 12 hours.

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 and **extremely heavy falls** at isolated places on 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:

- Squally wind speed reaching 50-60 kmph gusting 70 kmph is likely to prevail over Northwest Bay of Bengal and along & off north Odisha and West Bengal coast during next 6 hours and improve gradually thereafter.
- Squally wind speed reaching 55-65 kmph gusting 75 kmph would prevail over north interior Districts of Odisha and adjoining areas of West Bengal during next 6 hours and decrease gradually thereafter.
- Squally 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 45-55 kmph gusting to 65 kmph would prevail over remaining interior districts of north Odisha and Bankura, Purulia, Howrah, Hooghly, Nadia & Burdhaman districts of West Bengal and reduce gradually during next 12 hours.
- 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.

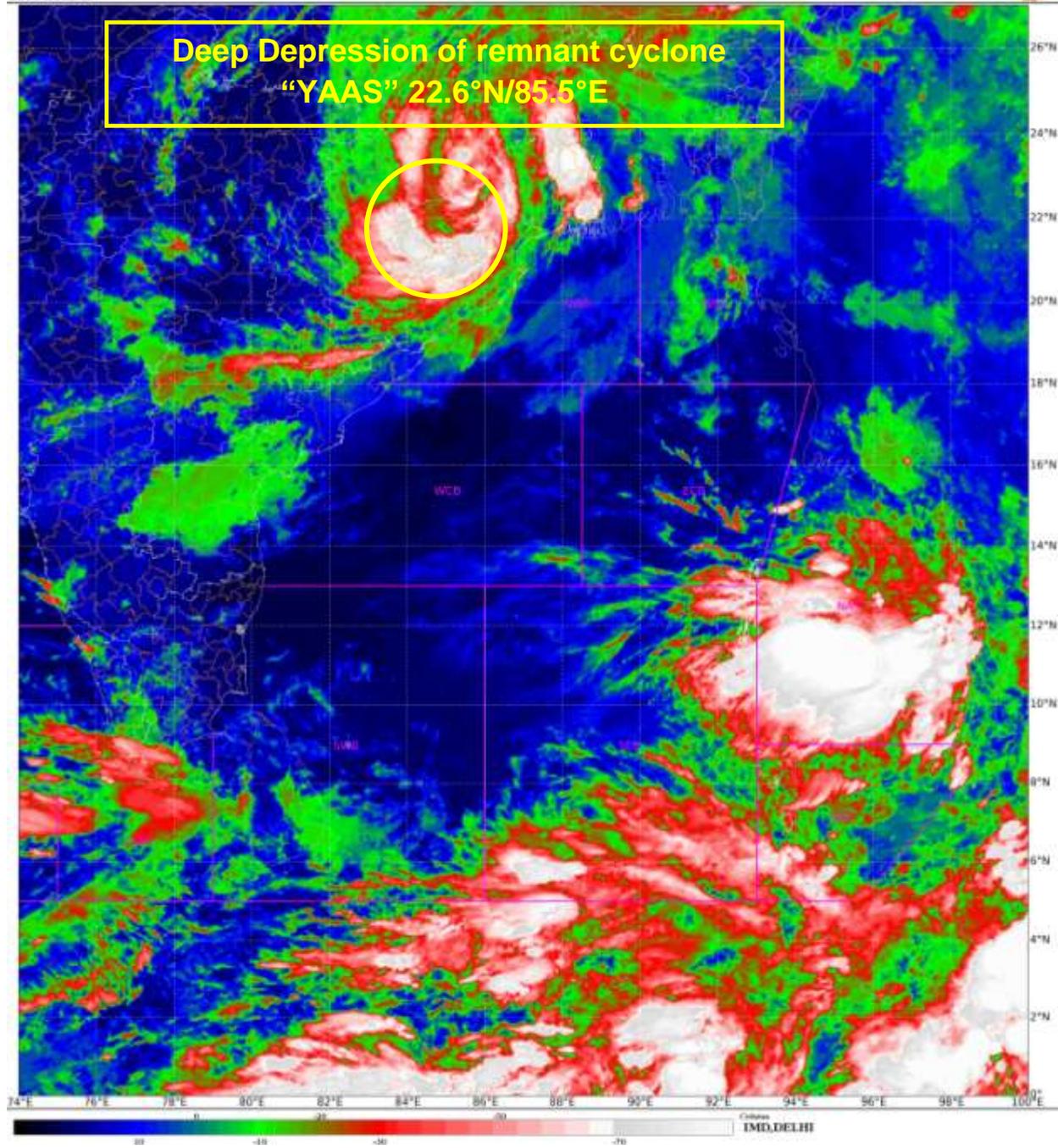
Damage expected & action suggested for Jharkhand and adjoining north interior districts of Odisha during next 6 hours:

- 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 0830 hrs IST of today, the 27th May, 2021.

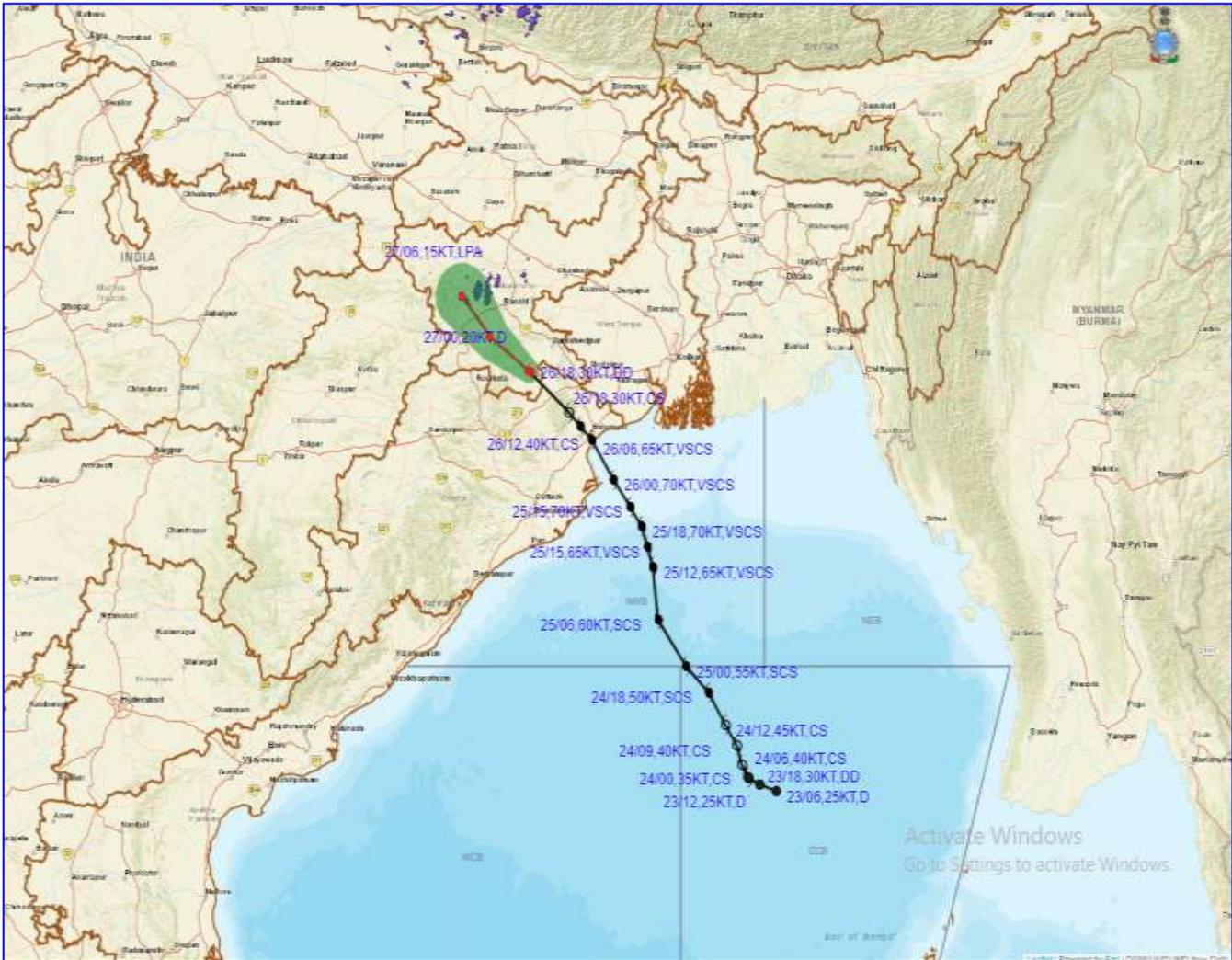
(D R Pattanaik)
Scientist-F, RSMC, New Delhi

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





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEEP DEPRESSION (REMNANT OF VERY SEVERE CYCLONIC STORM “YAAS”) OVER SOUTH JHARKHAND AND ADJOINING NORTH INTERIOR ODISHA BASED ON 1800 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 (≥ 20 KT)

● LESS THAN 34 KT

⊙ 34.47 KT

⊙ ≥ 48 KT

— OBSERVED TRACK

— FORECAST TRACK

▲ CONE OF UNCERTAINTY



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEEP DEPRESSION (REMNANT OF VERY SEVERE CYCLONIC STORM "YAAS") OVER SOUTH JHARKHAND AND ADJOINING NORTH INTERIOR ODISHA BASED ON 1800 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