



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

**BULLETIN NO. : 28(BOB/02/2021)**

**TIME OF ISSUE: 0745 HOURS IST**

**DATED: 27.05.2021**

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

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CHIEF SECRETARY, JHARKHAND (FAX NO. 0651-2400255)  
CHIEF SECRETARY, BIHAR (FAX NO. 0612-22217083/ 2217085)**

**Sub: Deep Depression over south Jharkhand and neighborhood**

The **Deep Depression** over south Jharkhand and adjoining north interior Odisha moved northwestwards with a speed of about 07 kmph during past 6 hours and lay centred at 0530 hrs IST of today, the 27<sup>th</sup> May, 2021 over south Jharkhand and neighbourhood, near latitude 22.7°N and longitude 85.5°E, about 70km west-southwest of Jamshedpur and 70 km south south-east of Ranchi.

The system is very likely to move nearly northwards and weaken gradually into a Depression during next 06 hours.

**Warnings:**

**(i) Rainfall:**

**Odisha:** Light to moderate rainfall at most places with heavy to very heavy rains at isolated places over Sundergarh, Deogarh and Keonjhar districts on 27<sup>th</sup> May.

**Jharkhand:** Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places on 27<sup>th</sup> May.

**West Bengal:** Light to moderate rainfall at most places with heavy rainfall at isolated places on 27<sup>th</sup> May.

**Bihar and adjoining East Uttar Pradesh:** Light to moderate rainfall at many places with heavy to very heavy rainfall from 27<sup>th</sup> evening to 28<sup>th</sup> evening.

**(ii) Wind warning:**

- Squally wind speed reaching 50-60 kmph gusting to 70 kmph would prevail over south Jharkhand and adjoining districts of north interior Districts of Odisha and West Bengal during next 6 hours and decrease gradually thereafter.

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

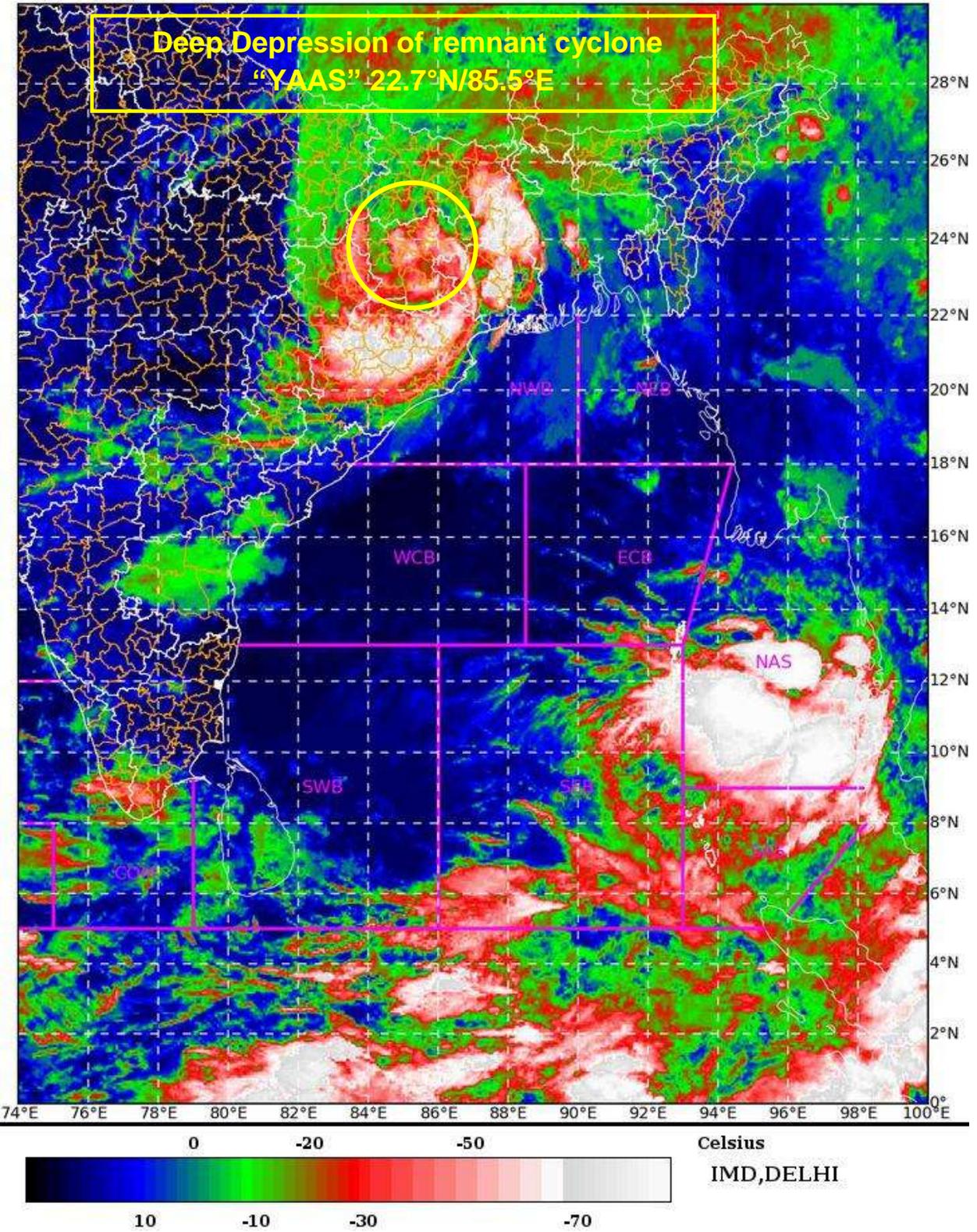
- Minor damage to thatched houses/ huts.
- Minor damage to power and communication lines.
- Minor damage to Kutcha and some damage to Pucca roads.
- Breaking of tree branches. Damage to banana and papaya trees.
- Judicious regulation of rail and road traffic.

*The next bulletin will be issued at 1130 hrs IST of today, the 27<sup>th</sup> May, 2021.*

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

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

SAT : INSAT-3D IMG      27-05-2021/(0100 to 0127) GMT  
IMG\_TIR1\_TEMP 10.8 um    27-05-2021/(0630 to 0657) IST  
L1C Mercator





**OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEEP DEPRESSION (REMNANT OF VERY SEVERE CYCLONIC STORM "YAAS") OVER SOUTH JHARKHAND AND NEIGHBOURHOOD BASED ON 0000 UTC OF 27<sup>th</sup> 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 (≥ 120 KT)

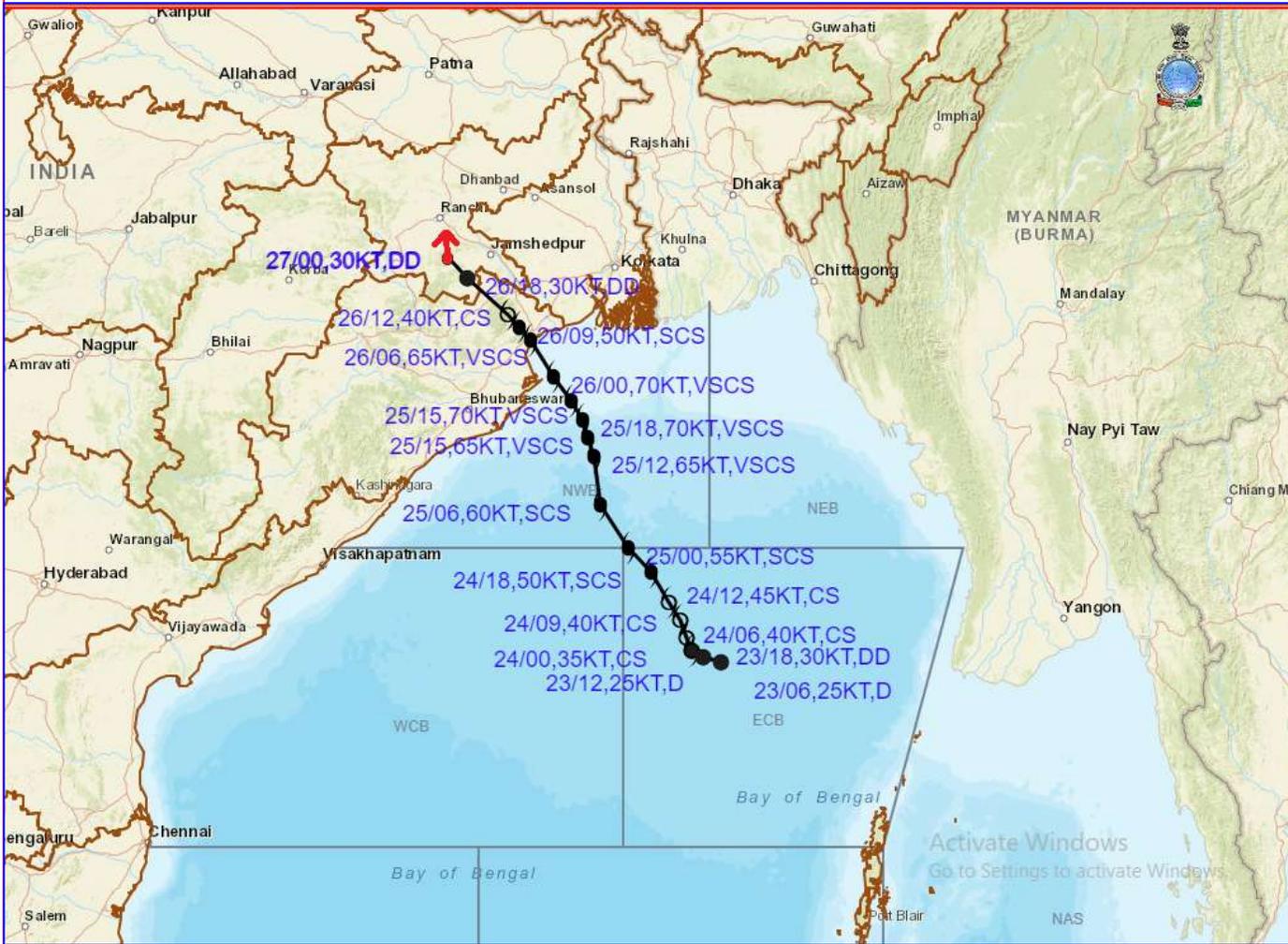
- LESS THAN 34 KT
- 34-47 KT
- ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- ▲ CONE OF UNCERTAINTY
- AREA OF MAXIMUM SUSTAINED WIND SPEED:
- 28-33 KT (52-61 KMPH)
- 34-49 KT (62-91 KMPH)
- 50-63 KT (92-117 KMPH)
- ≥ 64 KT (≥118 KMPH)

**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
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations



**OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEEP DEPRESSION (REMNANT OF VERY SEVERE CYCLONIC STORM "YAAS") OVER SOUTH JHARKHAND AND NEIGHBOURHOOD BASED ON 0000 UTC OF 27<sup>th</sup> MAY, 2021**



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- LESS THAN 34 KT
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- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY