



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

HOURLY UPDATE ON VERY SEVERE CYCLONIC STORM 'YAAS'

**BULLETIN NO. 16**

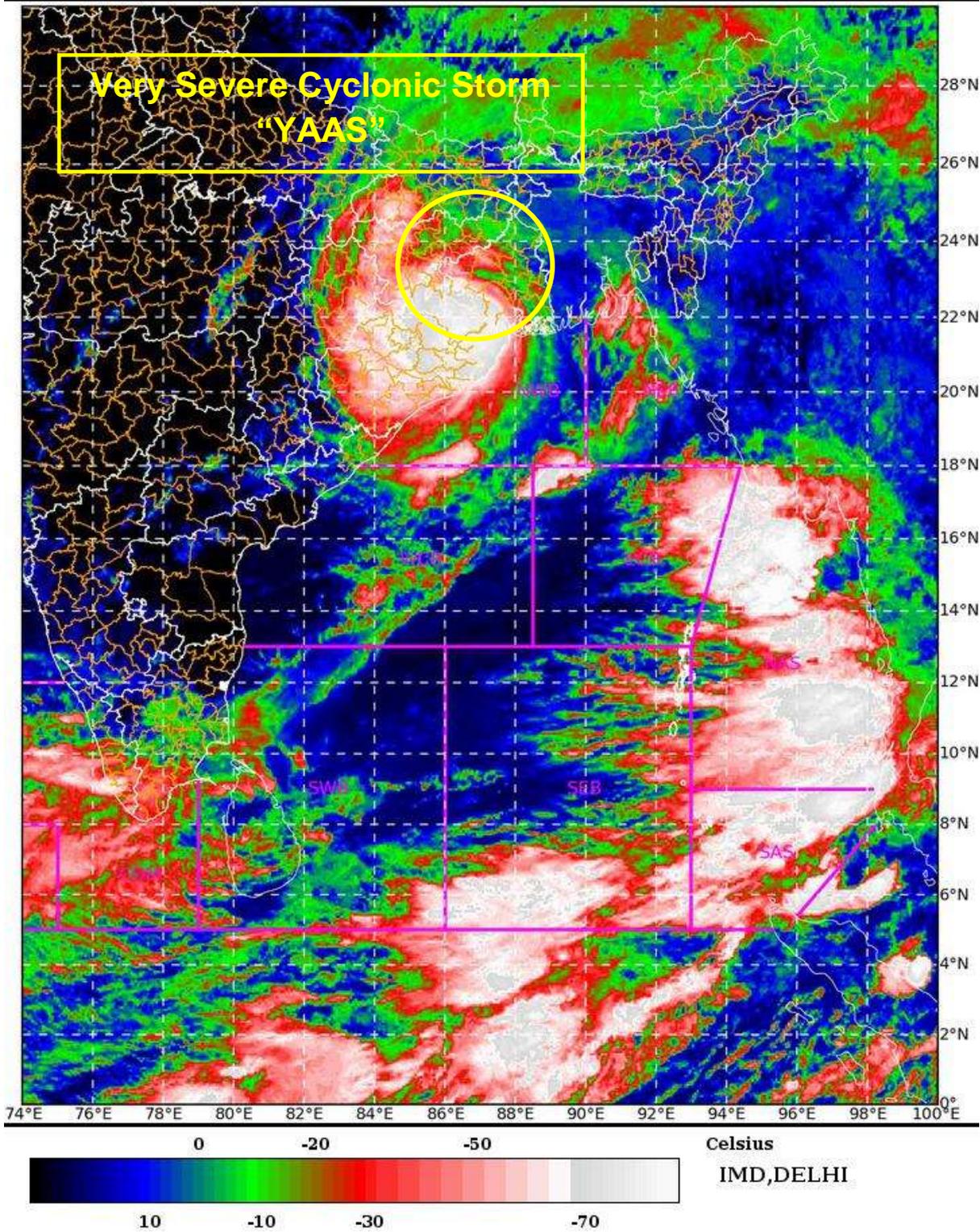
DATE: 26-05-2021

TIME OF ISSUE: 1230 HRS IST

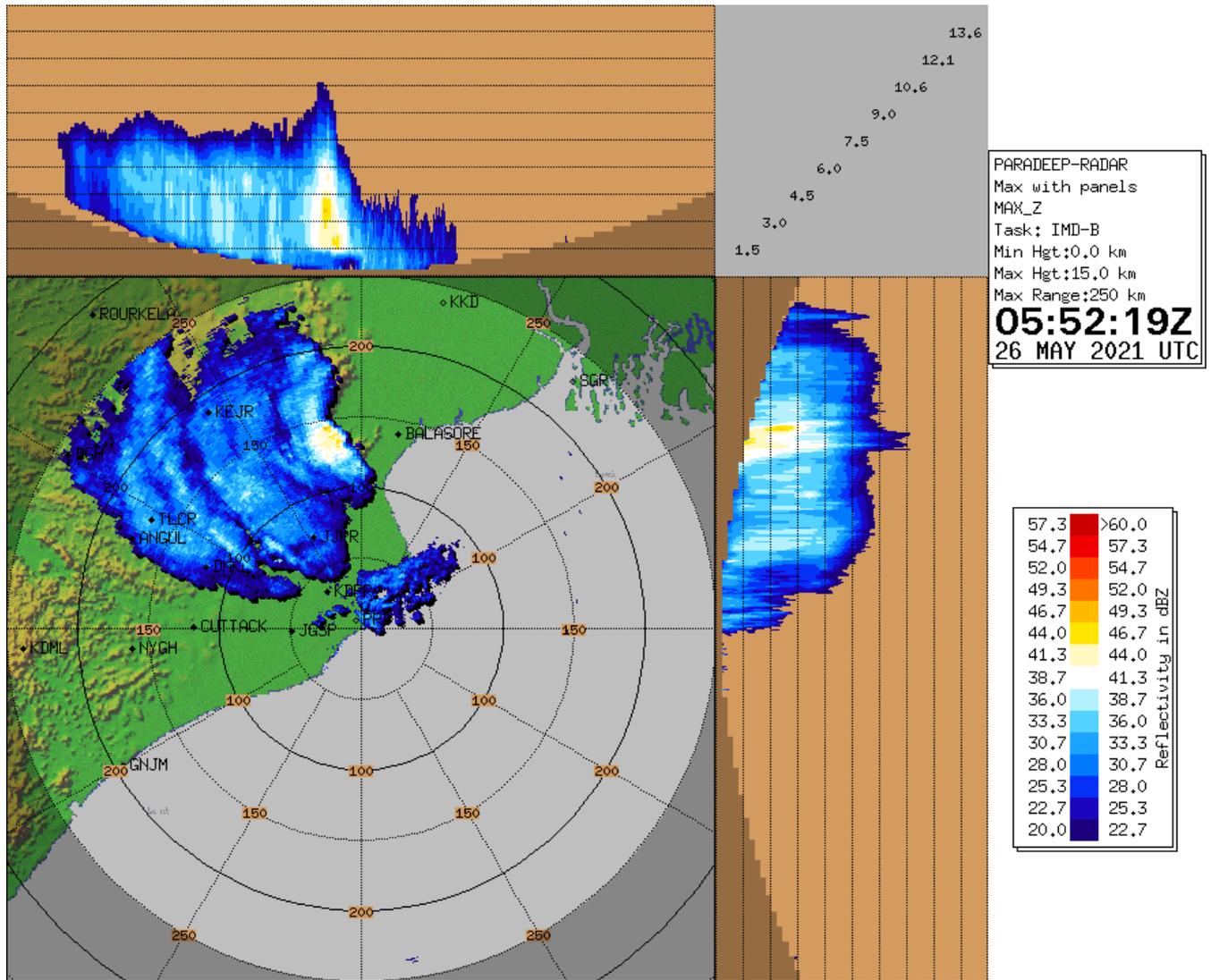
DATE/TIME (IST) OF OBSERVATION	BASED ON 26-05-2021 (1130 HRS IST)
LOCATION LATITUDE/LONGITUDE	<ul style="list-style-type: none"><li>❖ THE VERY SEVERE CYCLONIC STORM 'YAAS' (PRONOUNCED AS 'YASS') CROSSED NORTH ODISHA COAST ABOUT 20 KM SOUTH OF BALASORE DURING 1030 TO 1130 HOURS IST OF TODAY, THE 26<sup>TH</sup> MAY, 2021 WITH ESTIMATED WIND SPEED OF 130-140 KMPH GUSTING TO 155 KMPH.</li><li>❖ IT THEN MOVED NORTHWESTWARDS AND LAY CENTRED AT 1130 HRS IST OF THE 26<sup>TH</sup> MAY, 2021 OVER NORTH COASTAL ODISHA NEAR LATITUDE 21.4°N AND LONGITUDE 86.9°E, ABOUT 15 KM SOUTH-SOUTHWEST OF BALASORE.</li></ul>
CURRENT INTENSITY NEAR CENTRE	<b>120-130 KMPH GUSTING TO 145 KMPH</b>
PAST MOVEMENT	MOVED NORTH-NORTHWESTWARDS WITH A SPEED OF ABOUT 24 KMPH DURING PAST 06 HOURS.
FORECAST MOVEMENT AND INTENSITY	<b>IT IS LIKELY TO MOVE NORTH-NORTHWESTWARDS AND WEAKEN GRADUALLY INTO A SEVERE CYCLONIC STORM DURING NEXT 03 HOURS AND INTO CYCLONIC STORM DURING SUBSEQUENT 06 HOURS.</b>
FORECAST RAINFALL	<b>ODISHA:</b> LIGHT TO MODERATE RAINFALL AT MOST PLACES WITH HEAVY TO VERY HEAVY RAINS AT A FEW PLACES WITH <b>EXTREMELY HEAVY FALLS</b> AT ISOLATED PLACES OVER NORTH INTERIOR ODISHA DURING NEXT 24 HOURS AND HEAVY TO VERY FALLS AT ISOLATED PLACES OVER COASTAL ODISHA DURING NEXT 12 HOURS. <b>WEST BENGAL:</b> LIGHT TO MODERATE RAINFALL AT MOST PLACES WITH HEAVY TO VERY HEAVY RAINFALL AT ISOLATED PLACES OVER MEDINIPUR, JHARGRAM, BANKURA AND HEAVY FALLS AT ISOLATED PLACES OVER SOUTH 24 PARGANAS, PURULIA, NADIA, MURSHIDABAD, EAST BARDHAMAN, HOWRAH, HOOGHLY, KOLKATA, NORTH 24 PARGANAS, HALDIA, DARJEELING, KALIMPONG DISTRICTS ON 26 <sup>TH</sup> MAY.. <b>JHARKHAND:</b> LIGHT TO MODERATE RAINFALL AT MOST PLACES WITH HEAVY TO VERY HEAVY RAINFALL AND <b>EXTREMELY HEAVY FALLS</b> AT ISOLATED PLACES ON 26 <sup>TH</sup> & 27 <sup>TH</sup> MAY.
FORECAST WIND SPEED (KMPH)	WIND SPEED WILL DECREASE GRADUALLY BECOMING 90-100 KMPH GUSTING TO 110 KMPH DURING NEXT 03 HOURS AND 60-70 KMPH GUSTING TO 80 KMPH DURING SUBSEQUENT 06 HOURS.
FORECAST STORM SURGE	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 03 HOURS AND DECREASE GRADUALLY THEREAFTER.



L1C Mercator

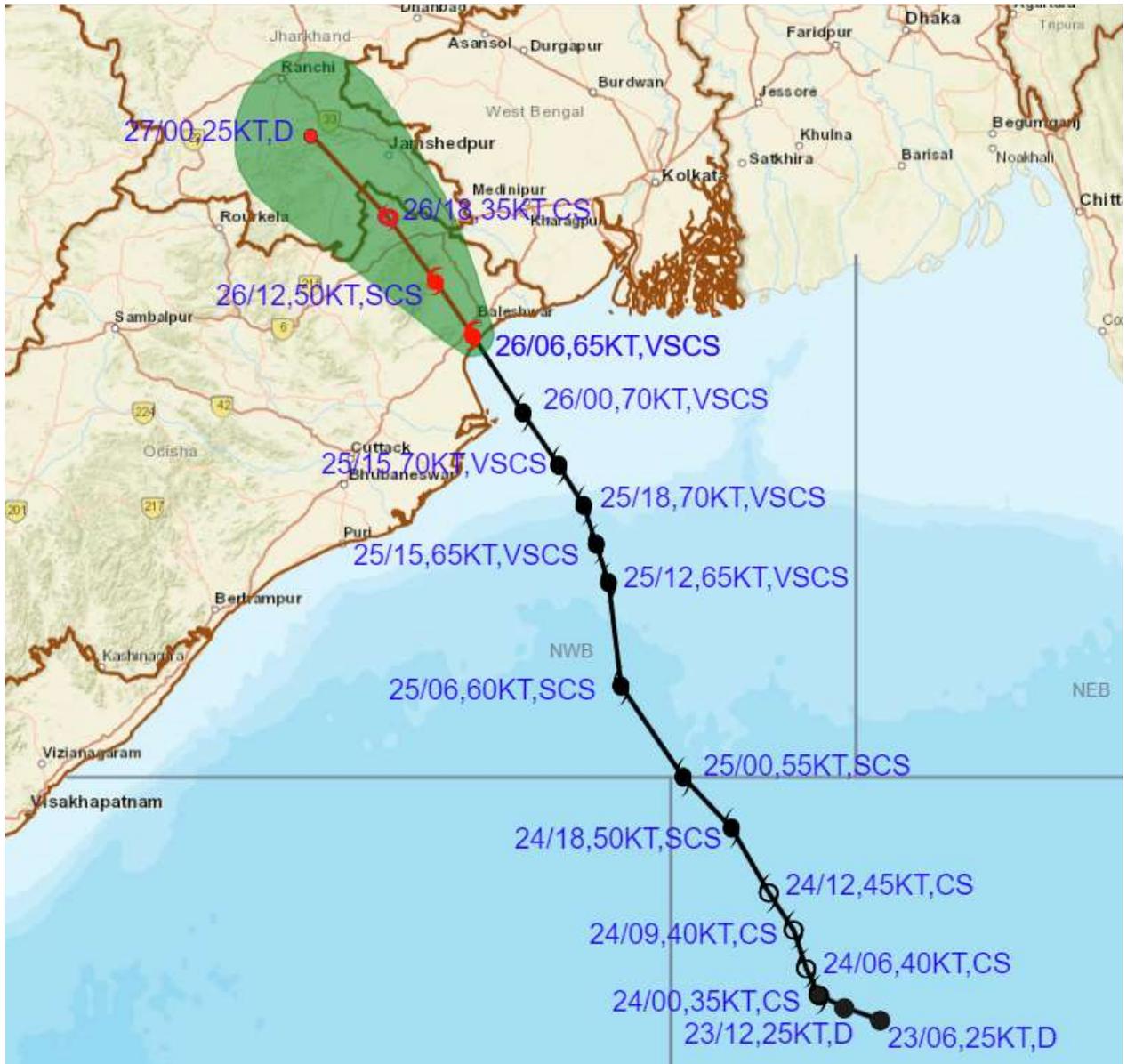


# LATEST IMAGERY FROM DOPPLER WEATHER RADAR PARADIP





## 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

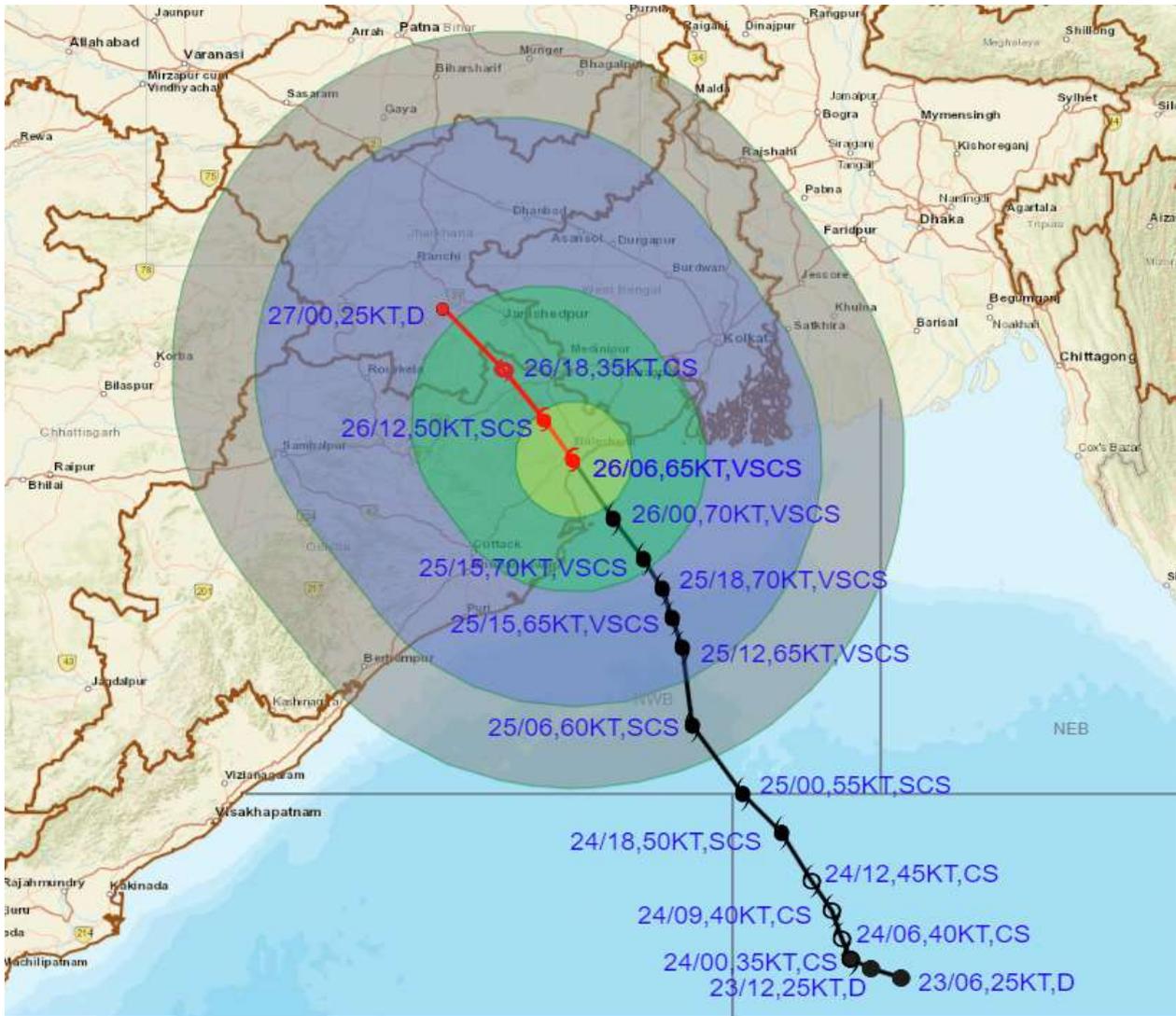


**DATE/TIME IN UTC**  
**IST=UTC + 0530**  
**L: LOW PRESSURE AREA**  
**WML: WELL MARKED LOW PRESSURE AREA**  
**D: DEPRESSION (17-27 KT)**  
**DD: DEEP DEPRESSION (28-33 KT)**  
**CS: CYCLONIC STORM (34-47 KT)**  
**SCS: SEVERE CYCLONIC STORM (48-63KT)**  
**VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)**  
**ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)**  
**SuCS: SUPER CYCLONIC STORM (≥ 120 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 VERY SEVERE CYCLONIC STORM "YAAS" OVER NORTH COASTAL ODISHA BASED ON 0600 UTC OF 26<sup>th</sup> MAY, 2021



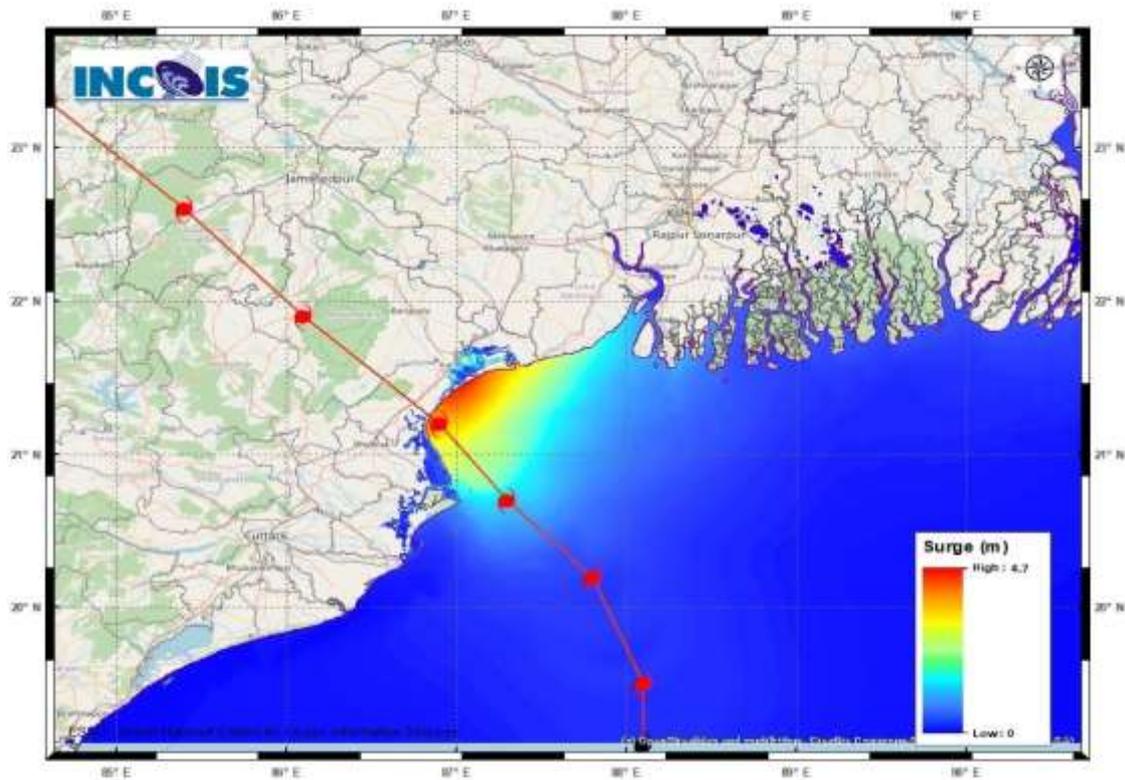
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● LESS THAN 34 KT  
 ○ 34-47 KT  
 ● ≥ 48 KT  
 — OBSERVED TRACK  
 — FORECAST TRACK  
 ● CONE OF UNCERTAINTY  
**AREA OF MAXIMUM SUSTAINED WIND SPEED:**  
 ■ 28-33 KT (52-61 KMPH)  
 ■ 34-49 KT (62-91 KMPH)  
 ■ 50-63 KT (92-117 KMPH)  
 ■ ≥ 64 KT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

### IMPACT OVER THE SEA

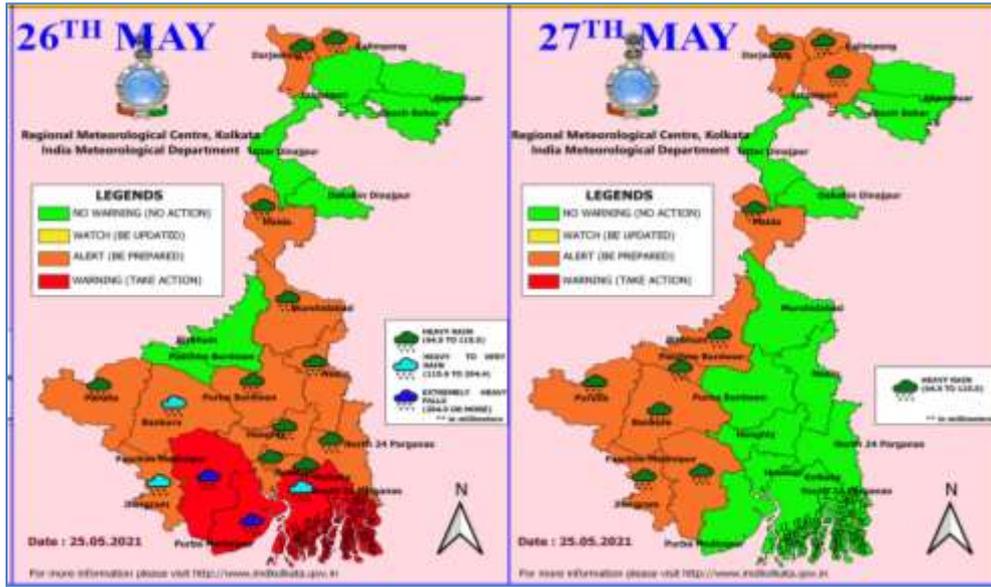
MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations

STORM SURGE FORECAST AROUND THE TIME OF LANDFALL:

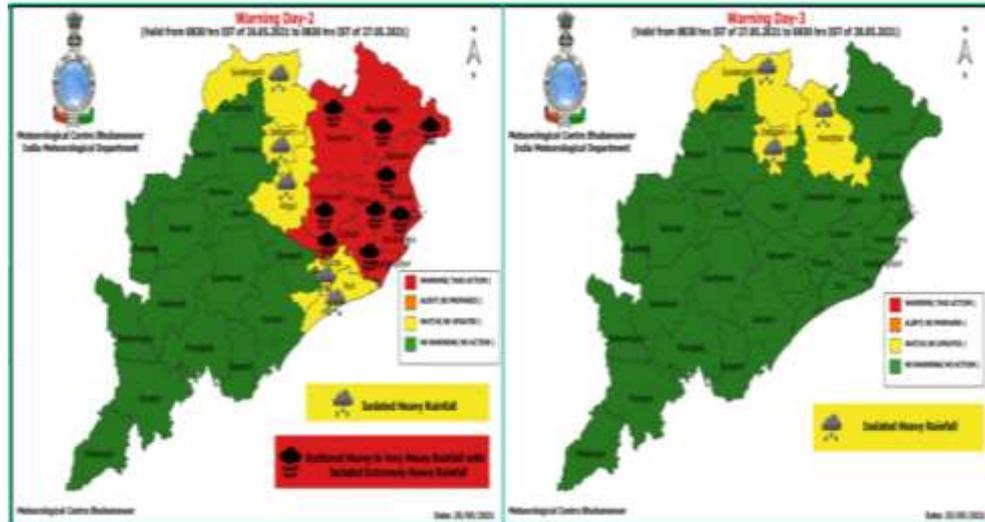


MANDAL/TALUK	DISTRICT	STATE / UNION TERRITORY	NEAREST PLACE OF HABITATION	STORM SURGE (M) *	EXPECTED INUNDATION EXTENT (KM)
BALESHWAR	BALESHWAR	ODISHA	KUMBHIRGARI	2.2-4.7	UPTO 3.53
BHADRAK	BHADRAK	ODISHA	MOHANPUR	1.5-3.9	UPTO 9.00
JAGATSINGHPUR	JAGATSINGHPUR	ODISHA	MUSADIA	0.3-0.5	UPTO 0.28
KENDRAPARHA	KENDRAPARA	ODISHA	TIKAYAT NAGAR	0.2-1.7	UPTO 5.47
KANTHI	PURBA MEDINIPUR	WEST BENGAL	SAFAR CHATA	0.5-2.9	UPTO 1.50
DIAMOND HARBOUR	SOUTH 24 PARGANAS	WEST BENGAL	CHAKLOKNATH	0.2-1.2	UPTO 0.78
BASIRHAT	NORTH 24 PARGANAS	WEST BENGAL	AMLAMETHI	0.3-1.0	UPTO 0.37
TAMLUK	PURBA MEDINIPUR	WEST BENGAL	JAMITTA	0.3-1.3	UPTO 0.42
ULUBERIYA	HAORA	WEST BENGAL	DENANCHAR ORPHULICHAR	0.3-0.5	UPTO 0.42

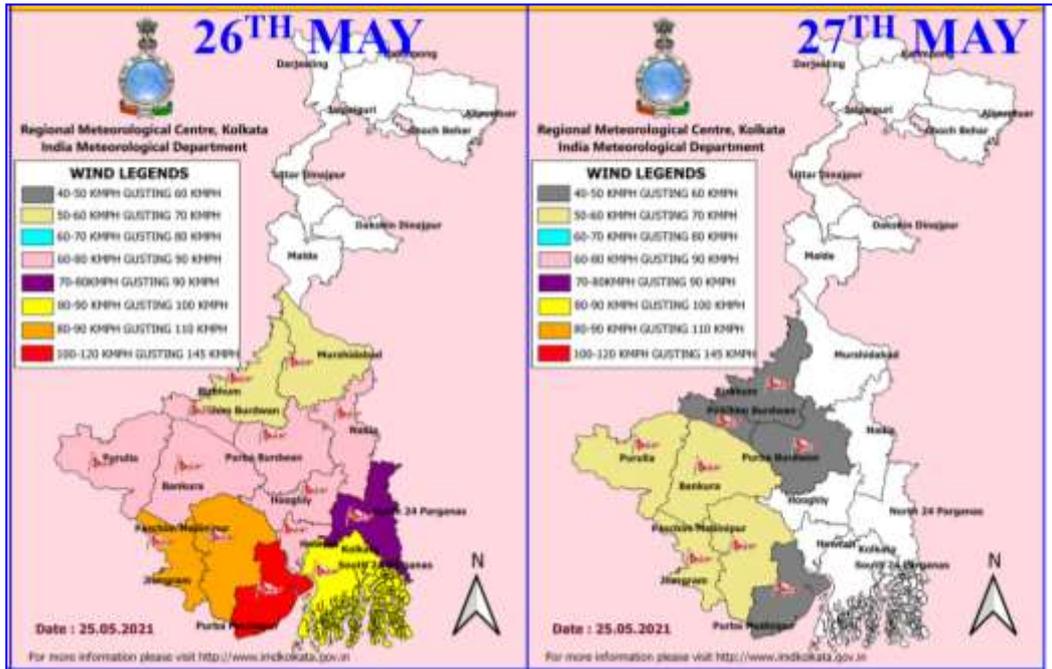
## RAINFALL WARNING FOR WEST BENGAL



## RAINFALL WARNING FOR ODISHA



## WIND WARNING FOR WEST BENGAL



## WIND WARNING FOR ODISHA

