



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

HOURLY UPDATE ON VERY SEVERE CYCLONIC STORM 'YAAS'

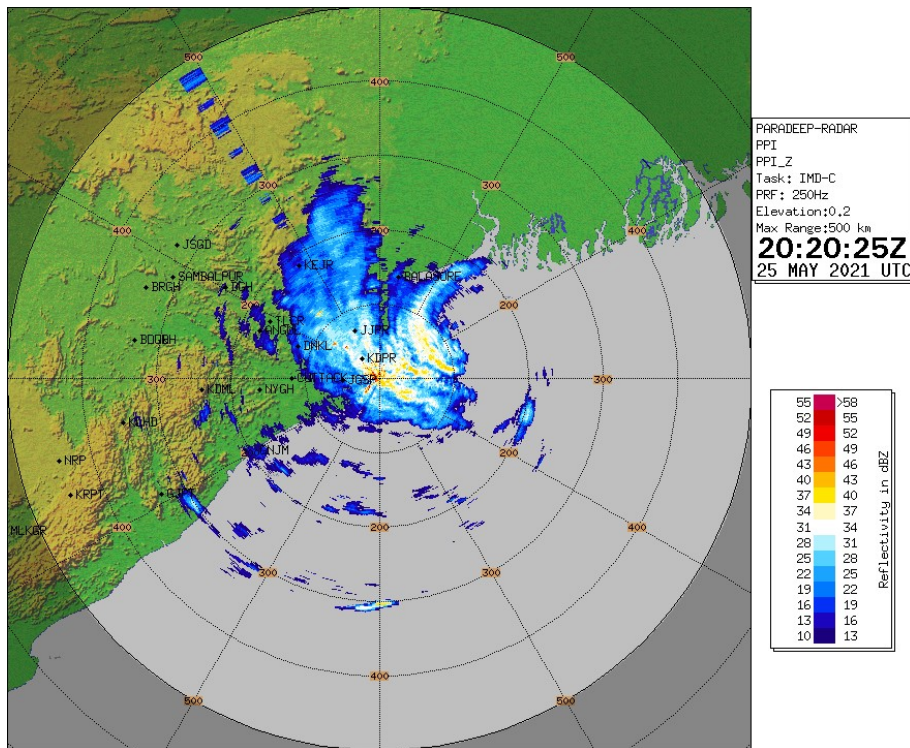
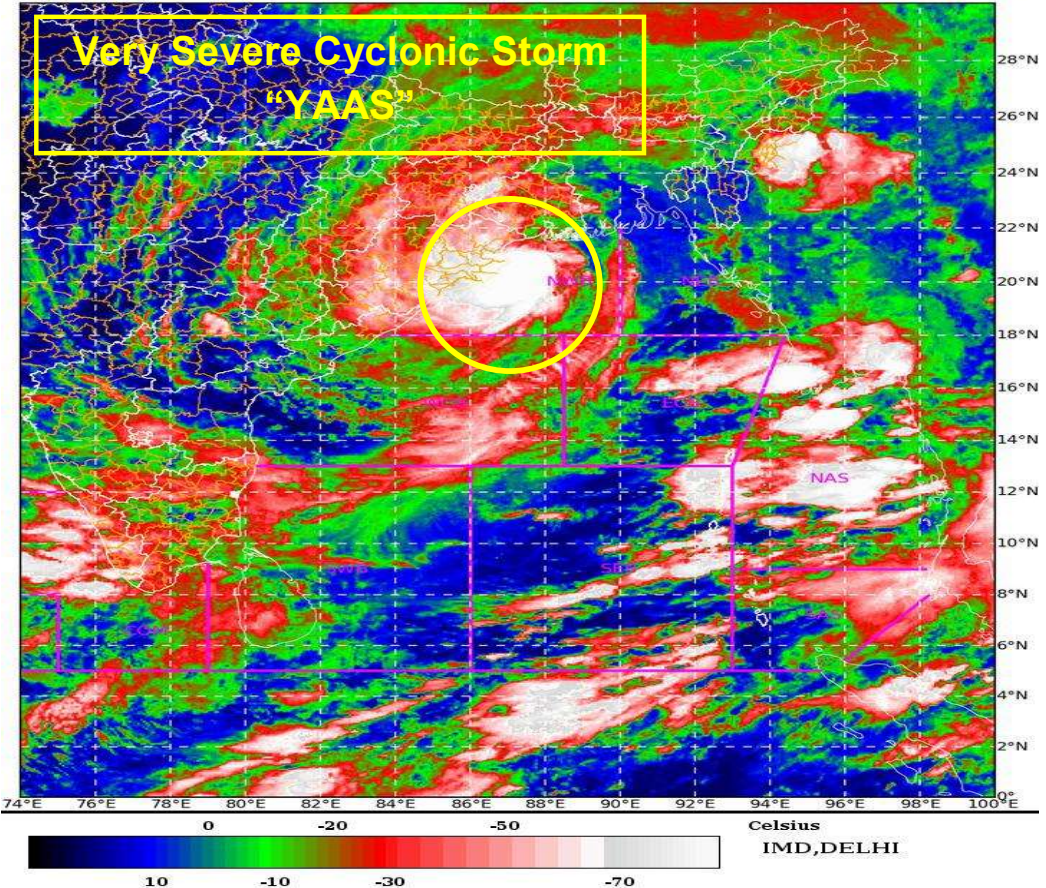
**BULLETIN NO. 05**

DATE: 26-05-2021

TIME OF ISSUE: 0215 HRS IST

<b>DATE/TIME (IST) OF OBSERVATION</b>	<b>BASED ON 26-05-2021 (0030 HRS IST)</b>
LOCATION LATITUDE/LONGITUDE	THE <b>VERY SEVERE CYCLONIC STORM 'YAAS' (PRONOUNCED AS 'YASS')</b> LAY CENTRED AT <b>0030 HRS IST</b> OF THE 26 <sup>TH</sup> MAY, 2021 OVER NORTHWEST BAY OF BENGAL NEAR LATITUDE 20.2°N AND LONGITUDE 87.7°E, ABOUT 110 KM EAST OF PARADIP, 170 KM SOUTH-SOUTHEAST OF BALASORE , 160 KM SOUTH-SOUTHEAST OF DIGHA AND 110 KM SOUTHEAST OF DHAMRA.
CURRENT INTENSITY NEAR CENTRE	<b>130-140 KMPH GUSTING TO 155 KMPH</b>
PAST MOVEMENT	MOVED NORTH-NORTHWESTWARDS WITH A SPEED OF ABOUT 12 KMPH DURING PAST 06 HOURS.
FORECAST MOVEMENT AND INTENSITY	IT IS LIKELY TO MOVE NORTH-NORTHWESTWARDS, AND REACH NEAR NORTH ODISHA COAST CLOSE TO DHAMRA PORT BY THE EARLY MORNING OF WEDNESDAY, THE 26 <sup>TH</sup> MAY. <b>IT IS VERY LIKELY TO CROSS NORTH ODISHA-WEST BENGAL COASTS BETWEEN PARADIP AND SAGAR ISLANDS CLOSE TO NORTH OF DHAMRA AND SOUTH OF BALASORE, DURING NOON OF WEDNESDAY, THE 26<sup>TH</sup> MAY AS A VERY SEVERE CYCLONIC STORM.</b>
FORECAST RAINFALL	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 IN JAGATSINGHPUR, KENDRAPARA, JAJPUR, BHADRAK, BALASORE, MAYURBHANJ, CUTTACK, DHENKANAL, KEONJHARGARH AND HEAVY FALLS AT ISOLATED PLACES IN PURI, KHURDA, ANGUL, DEOGARH, SUNDERGARH ON 26 <sup>TH</sup> MAY..
FORECAST WIND SPEED (KMPH) DURING LANDFALL	130-140 KMPH GUSTING TO 155 KMPH ALONG AND OFF KENDRAPARA, BHADRAK AND BALASORE DISTRICTS.
FORECAST STORM SURGE	TIDAL WAVES OF HEIGHT 2-4 METERS ABOVE ASTRONOMICAL TIDE ARE LIKELY TO INUNDATE LOW LYING AREAS OF BALASORE, BHADRAK AND ABOUT 2 METERS ABOVE ASTRONOMICAL TIDE ARE LIKELY TO INUNDATE LOW LYING AREAS OF KENDRAPARA & JAGATSINGHPUR DISTRICTS AROUND THE TIME OF LANDFALL.

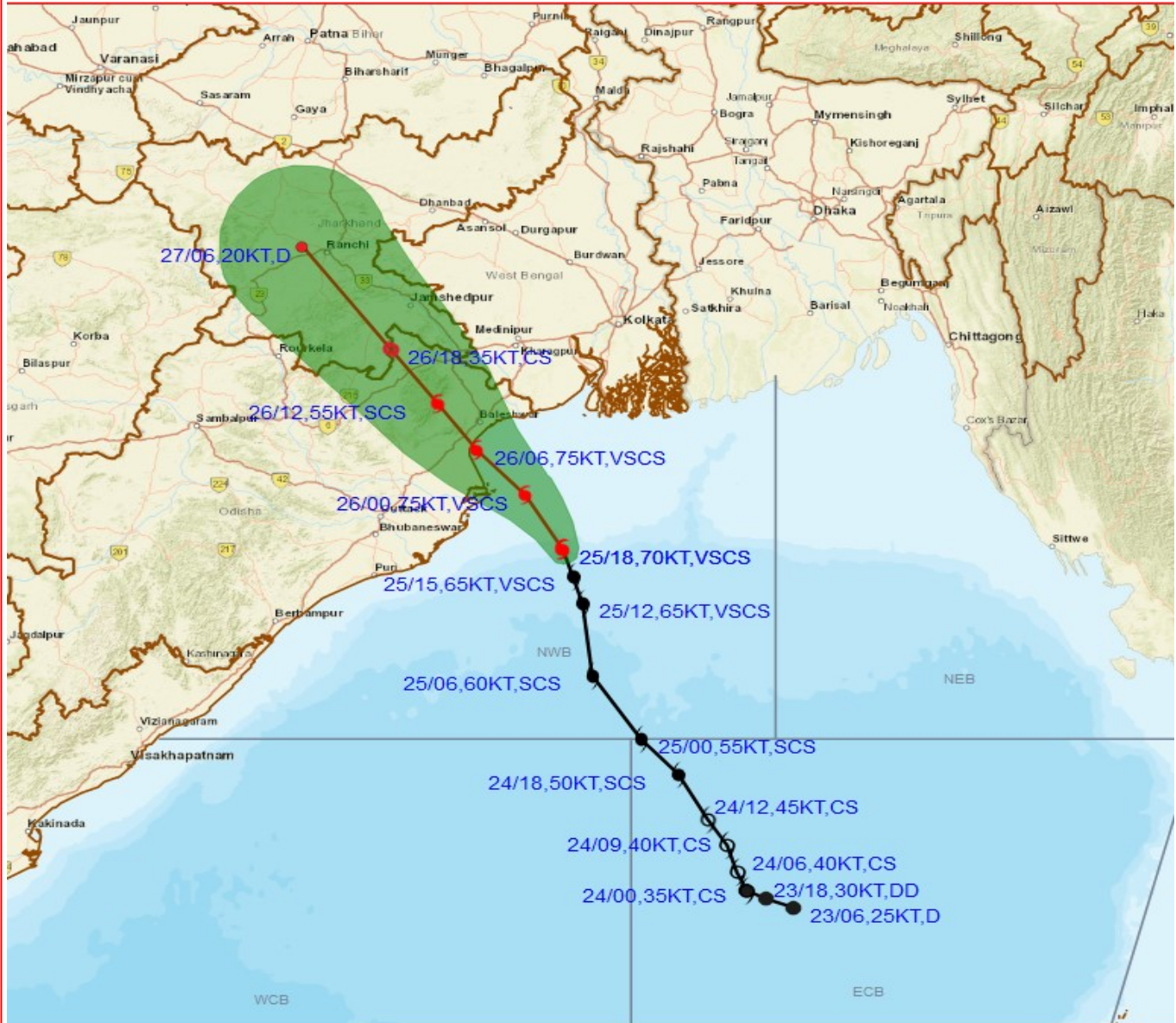
<b>REALISED WEATHER</b>	<b>WIND REPORTED AT 0030 HOURS IST OF 26.05.2021 IN KMPH:</b> 70-80 KMPH GUSTING To 90 KMPH PREVAILS ALONG AND OFF NORTH ODISHA COAST. PARADIP- 46.3, BHUBANESHWAR-24.1, BALASORE-19, GOPALPUR-15, PURI-11 AND CHANDBALI-21.  <b>RAINFALL IN CM (REPORTED DURING 0830 HOURS IST OF 25.05.2021 TO 0030 HOURS IST OF 26.05.2021):</b> <b>ODISHA:-</b> BALASORE-1.3, CHANDABALI- 11.0, PARADIP-11.5, BHUBANESHWAR-1.9 AND PURI-1.7.
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Latest imagery from Doppler Weather RADAR Paradeep



## OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF VERY SEVERE CYCLONIC STORM "YAAS" OVER NORTHWEST BAY OF BENGAL BASED ON 1800 UTC OF 25th MAY, 2021

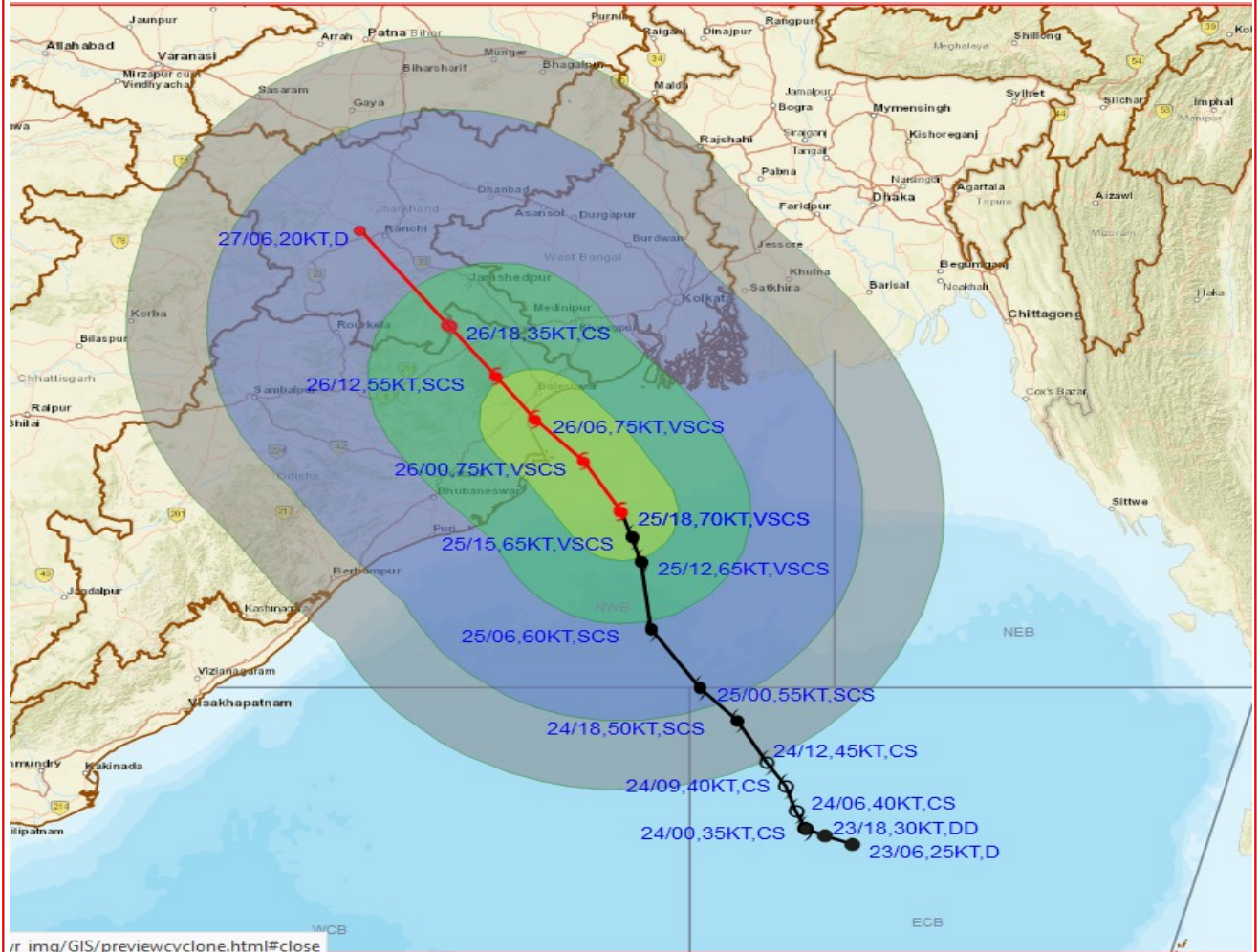


DATE/TIME IN UTC  
 IST=UTC + 0530  
 L: LOW PRESSURE AREA  
 WML: WELL MARKED LOW PRESSURE AREA  
 D: DEPRESSION (17-27 KT)  
 DD: DEEP DEPRESSION (28-33 KT)  
 CS: CYCLONIC STORM (34-47 KT)  
 SCS: SEVERE CYCLONIC STORM (48-63KT)  
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)  
 ESCS: EXTREMELY SEVERE 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 VERY SEVERE CYCLONIC STORM "YAAS" OVER NORTHWEST BAY OF BENGAL BASED ON 1800 UTC OF 25<sup>th</sup> MAY, 2021



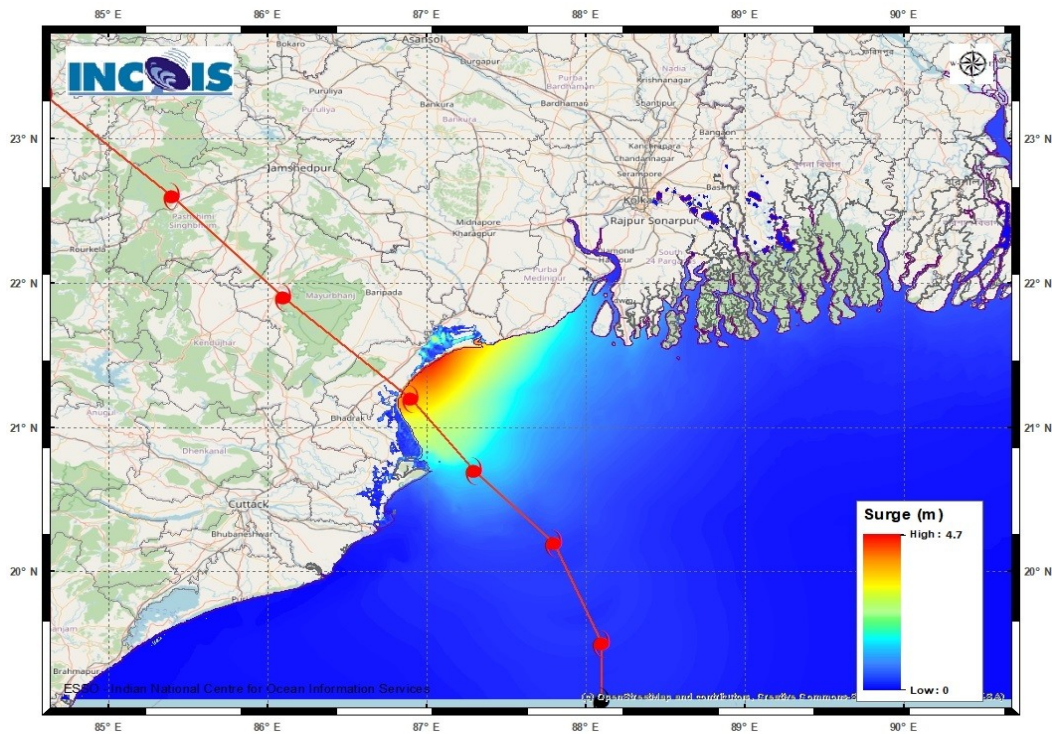
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- LESS THAN 34 KT
- 34-47 KT
- ◐  $\geq$  48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY
- AREA OF MAXIMUM SUSTAINED WIND SPEED:
- 28-33 KT (52-61 KMPH)
- 34-49 KT (62-91 KMPH)
- 50-63 KT (92-117 KMPH)
- $\geq$  64 KT ( $\geq$ 118 KMPH)

### 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

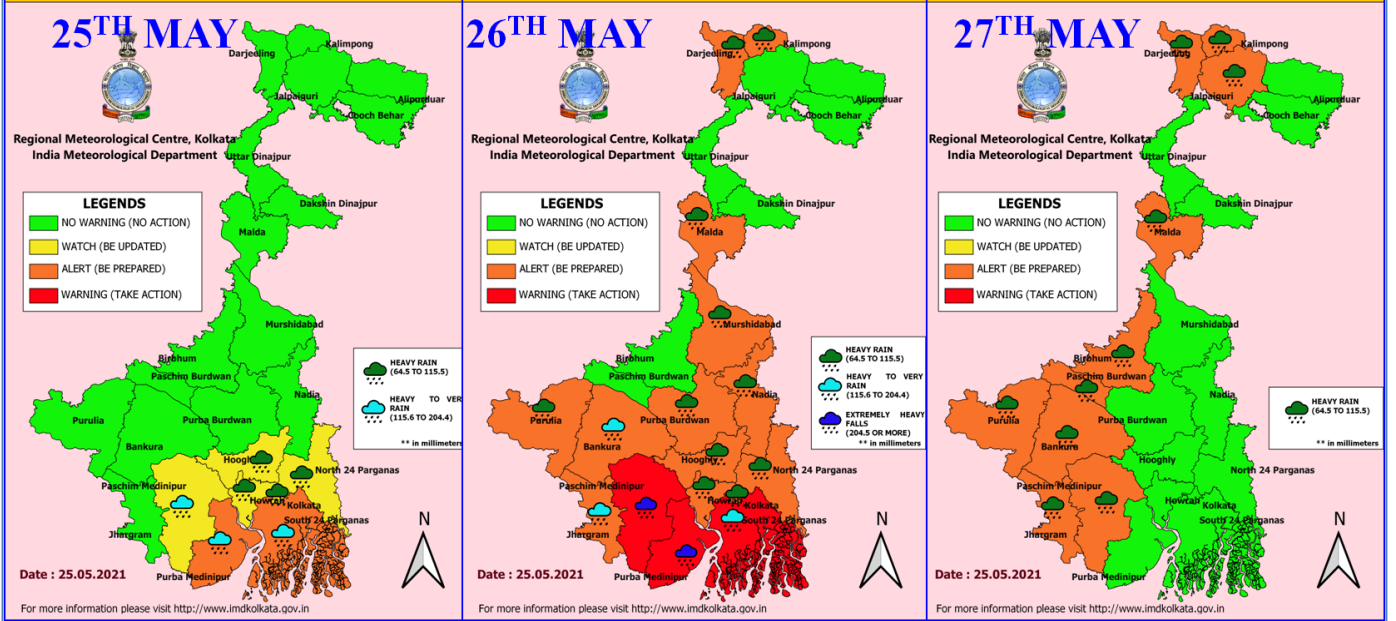
### Storm Surge Forecast around the time of Landfall:



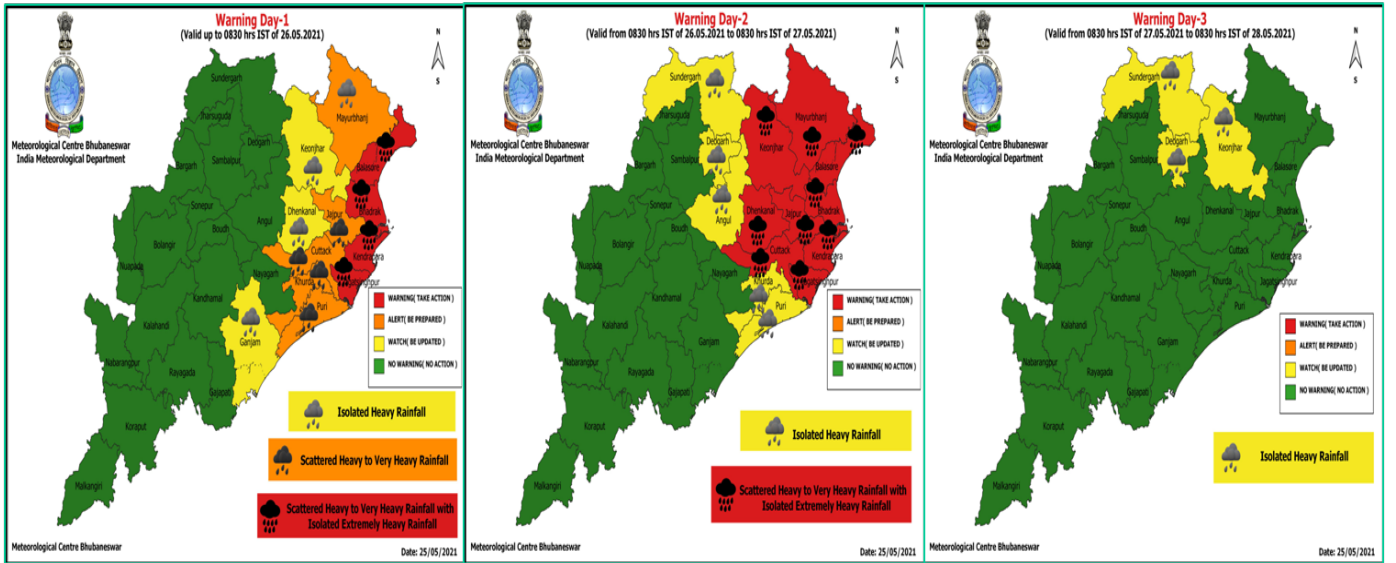
MANDAL/TALUK	DISTRICT	STATE / UNION TERRITORY	NEAREST PLACE OF HABITATION	STORM SURGE (m) *	EXPECTED INUNDATION EXTENT (km)
Baleswar	Baleswar	Odisha	Kumbhigari	2.2-4.7	Upto 3.53
Bhadrak	Bhadrak	Odisha	Mohanpur	1.5-3.9	Upto 9.00
Jagatsinghpur	Jagatsinghpur	Odisha	Musadia	0.3-0.5	Upto 0.28
Kendraparha	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 & Sikkim

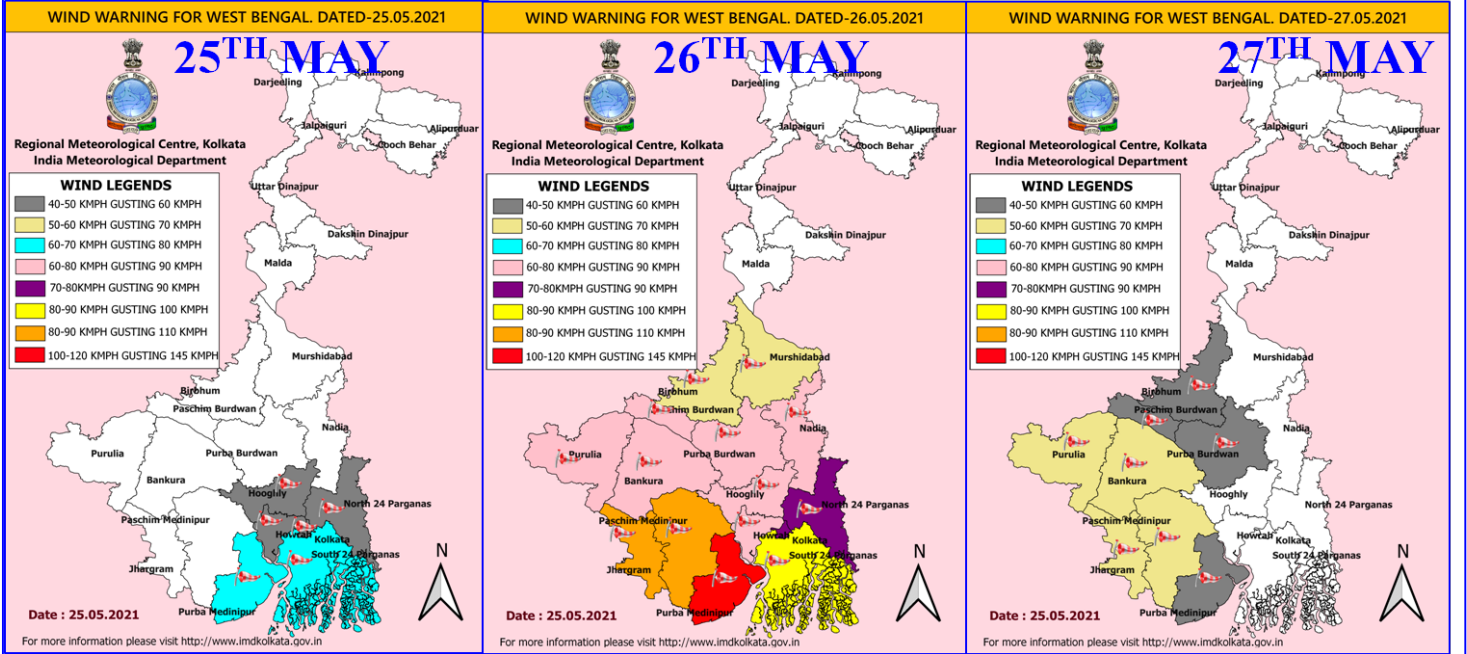
HEAVY RAINFALL WARNING FOR WEST BENGAL. DATED-25.05.2021 | HEAVY RAINFALL WARNING FOR WEST BENGAL. DATED-26.05.2021 | HEAVY RAINFALL WARNING FOR WEST BENGAL. DATED-27.05.2021



# Rainfall forecast Odisha



# Wind warning for West Bengal



# Wind warning for Odisha

