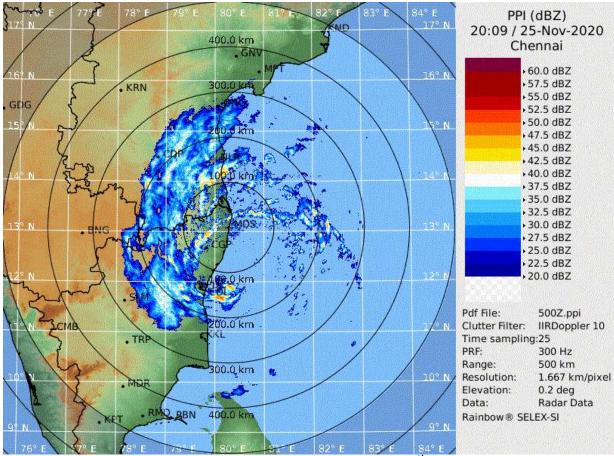


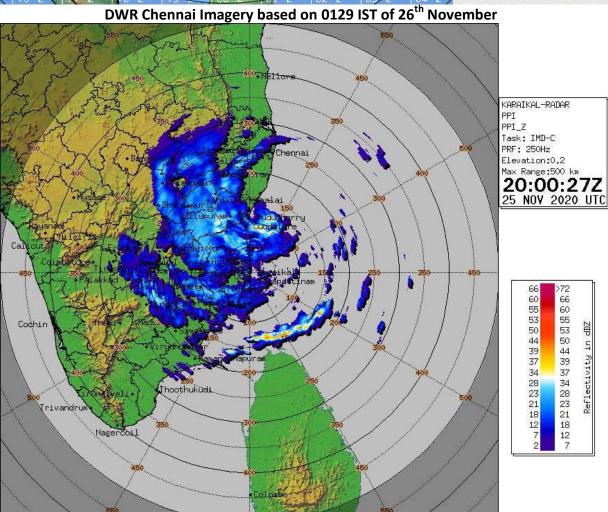
## India Meteorological Department Earth System Science Organisation (Ministry of Earth Sciences)

## HOURLY UPDATE ON VERY SEVERE CYCLONIC STORM "NIVAR" BULLETIN NO. 09

DATE: 26-11-2020 TIME OF ISSUE: 0220 HRS IST

DATE/TIME (IST) OF	0420 UDS IST OF 26 44 2020 / 2000 UTC OF 25 44 2020
OBSERVATION	0130 HRS IST OF 26-11-2020 / 2000 UTC OF 25.11.2020
	VERY SEVERE CYCLONIC STORM
INTENSITY	WIND SPEED: 120-130 KMPH GUSTING TO 145 KMPH.
IINTENOTIT	WIND SPEED 90-100 KMPH GUSTING TO 110 KMPH IS
	PREVAILING ALONG & OFF NORTH TAMILNADU COAST.
	OVER SOUTHWEST BAY OF BENGAL NEAR LAT. 12.1°N AND
LOCATION	LONG. 79.95°E, ABOUT:
LATITUDE/LONGITUDE	20 KM EAST-NORTH EAST OF PUDUCHERRY.
	● 100 KM SOUTH-SOUTHWEST OF CHENNAI.
	CENTRE MOVED NORTHWESTWARDS WITH A CREED OF 40
PAST MOVEMENT	CENTRE MOVED NORTHWESTWARDS WITH A SPEED OF 16 KMPH DURING PAST 06 HOURS.
	.RAINFALL (MM) DURING 08:30 HOURS IST OF 25TH NOV TO
OBSERVATIONS FROM	0130 HOURS IST OF 26 <sup>TH</sup> NOVEMBER 2020:
THE COAST	NAGAPATNAM-63, KARAIKAL-85, CUDDALORE-244,
	PUDUCHERRY-225 AND CHENNAI-89.
FORECAST MOVEMENT,	LANDFALL PROCESS CONTINUES.
INTENSITY AND	CENTRE OF CYCLONE TO CROSS COAST NEAR PUDUCHERRY WITHIN NEXT 1-2 HOURS WITH WIND SPEED
	OF 120-130 KMPH GUSTING TO 145 KMPH.
LANDFALL	31 120 100 100 11 000 11 10 140 100 11.
REMARKS	THE VERY INTENSE CONVECTIVE CLOUD CENTRED AROUND
	PUDUCHERRY IS RESULTING IN CONTINUOUS HEAVY RAIN
	SYSTEM IS INTERACTING WITH LAND SURFACE.
REMARKS	PUDUCHERRY IS RESULTING IN CONTINUOUS HEAVY RAIN FALL SPELL OVER THE REGION. PUDUCHERRY RECORDED 4 CM OF RAINFALL IN PAST 2 HOURS.



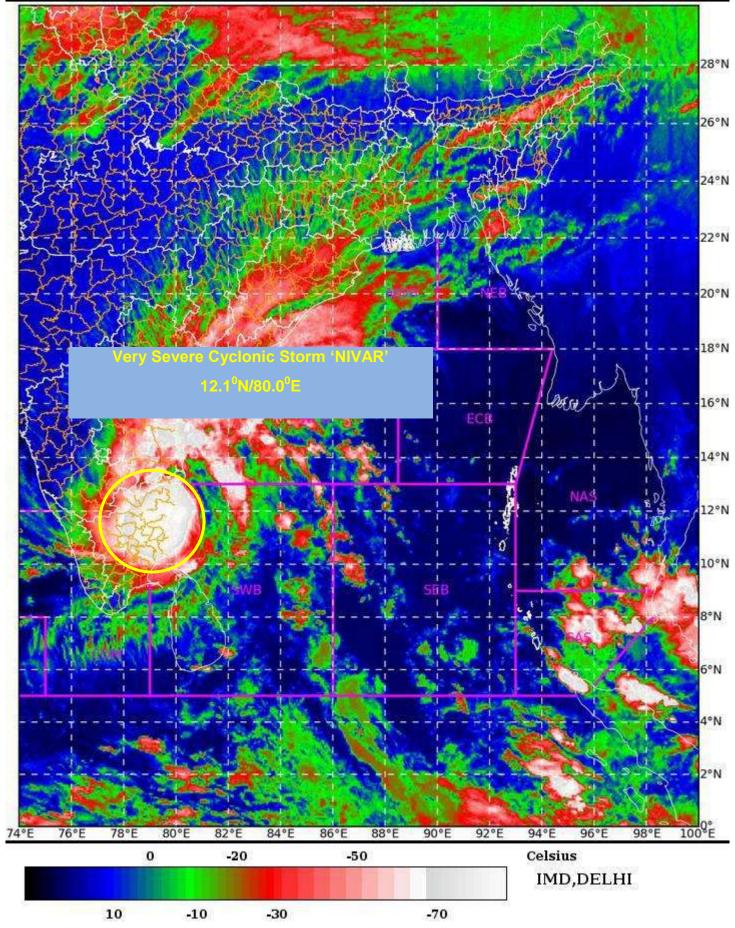


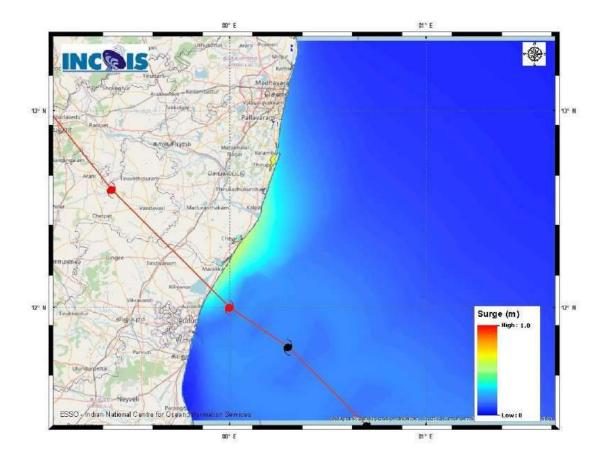
DWR Karaikal Imagery based on 0130 IST of 26<sup>th</sup> November

SAT : INSAT-3D IMG IMG\_TIR1\_TEMP 10.8 um 25-11-2020/(1930 to 1956) GMT 26-11-2020/(0100 to 0126) IST



L1C Mercator





Expected Maximum Storm Surge \*
Expected Maximum Inundation Extent

1.0m Near Kancheepuram Tamil Nadu 0.2 Km Near Kancheepuram Tamil Nadu

## STORM SURGE HEIGHT INFORMATION:

\* The below listed surge heights are over and above astronomical tide.

MANDAL/TALUK	DISTRICT	STATE / UNION TERRITORY	NEAREST PLACE OF HABITATION	STORM SURGE (m)	EXPECTED INUNDATION EXTENT (km)
Chengalpattu	Kancheepuram	Tamil Nadu	Thiruporur	0.5-1.0	Upto 0.2
Cheyyur	Kancheepuram	Tamil Nadu	Kadalur	0.4-0.8	Nîl
Mannargudi	Thiruvarur	Tamil Nadu	Thiruvarur	0.2-0.5	Upto 0.1
Tindivanam	Viluppuram	Tamil Nadu	Ozhukarai Municipality	0.5-0.6	Upto 0.1
Tirutturaippundi	Nagapattinam	Tamil Nadu	Vaimedu west	0.2-0.5	Upto 0.1
	-	_	<del></del>		



OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINITY OF VERY SEVERE CYCLONIC STORM NIVAR OVER SOUTHWEST BAY OF BENGAL BASED ON 1800UTC OF 25<sup>TH</sup> NOVEMBER, 2020.

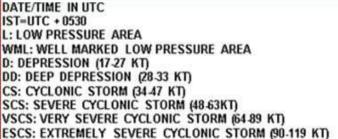






OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF VERY SEVERE CYCLONIC STORM NIVAR OVER SOUTHWEST BAY OF BENGAL BASED ON 1800UTC OF 25<sup>TH</sup>NOVEMBER. 2020





ESCS: EXTREMELY SEVER Sucs: SUPER CYCLONIC S	RE CYCLONIC STORM (90-119 K	34.49 KT (62.91 KMPH) 50.63 KT (92.117 KMPH) ≥ 64 KT (≥118 KMPH)	
	IMPA	T OVER THE SEA	
MSW (knot/kmph)	Impact	Action	
20 22 (52 64)	Vancerough acce	Total augmention of fighing approxi	

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

LESS THAN 34 KT

**OBSERVED TRACK** 

FORECAST TRACK

28-33 KT (52-61 KMPH)

CONE OF UNCERTAINTY

AREA OF MAXIMUM SUSTAINED WIND SPEED:

34-47 KT

≥ 48 KT