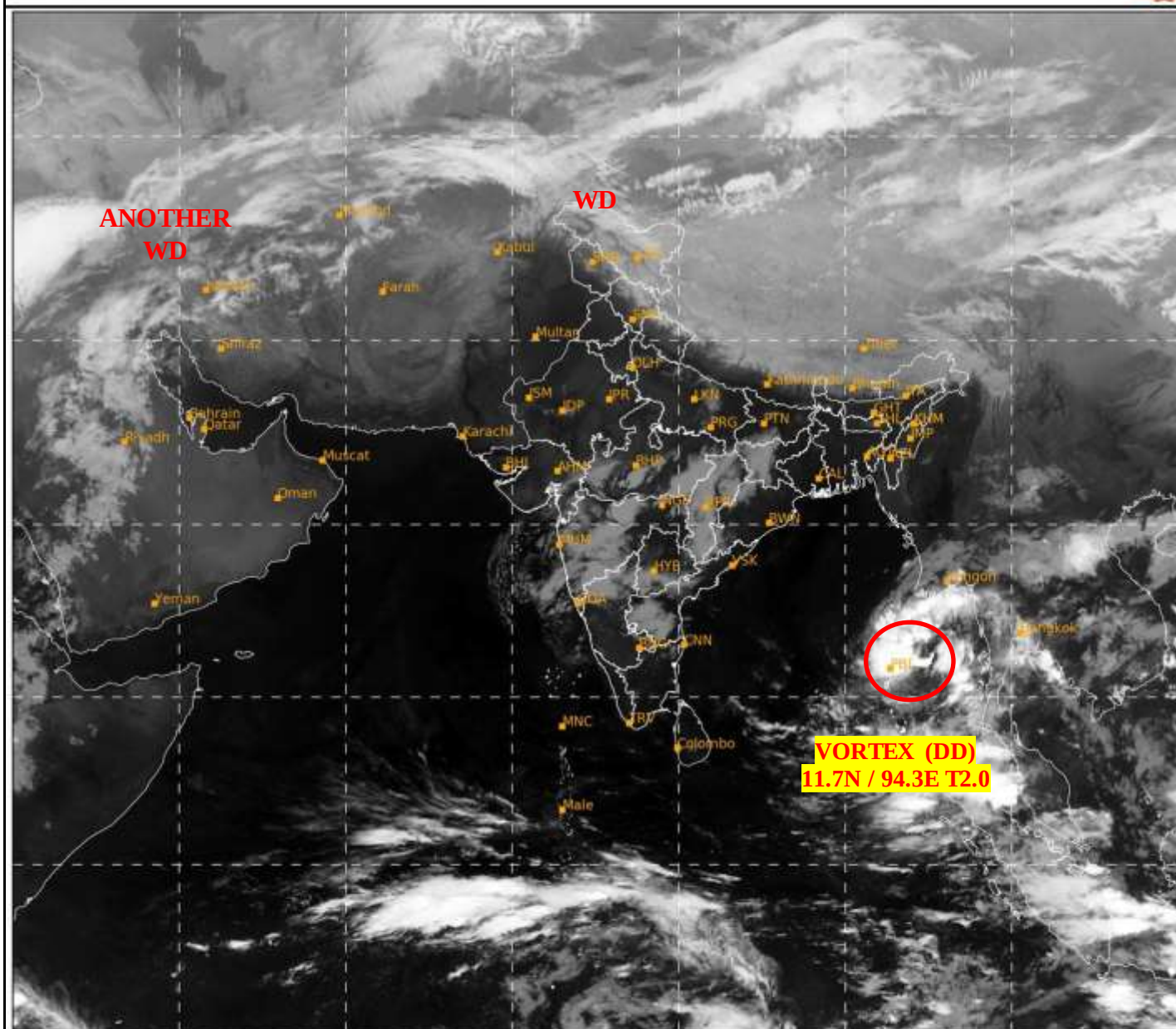




**SATELLITE BULLETIN BASED ON SATELLITE
IMAGERIES AND PRODUCTS**
21.03.2022 TIME 0000 UTC

SAT : INSAT-3D IMG
IMG_TIR1 10.8 um
LIC Mercator

21-03-2022/(0000 to 0027) GMT
21-03-2022/(0530 to 0557) IST



IMD, DELHI

TCIN50 DEMS 210000

SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 210000 UTC (.)

REGION COVERED BETWEEN LAT 50.0°N TO 30.0°S AND LONG 40.0°E TO 125.0°E (.)

SALIENT FEATURES:-

VORTEX (DEEP DEPRESSION) OVER NORTH ANDAMAN SEA ADJ SOUTH-EAST BAY:-

VORTEX (DD) OVER NORTH ANDAMAN SEA ADJ SE BAY HAS FURTHER INTENSIFIED AND NOW LAY CENTERED WITHIN HALF A DEGREE OF **11.7N / 94.3E** (.) INTENSITY **T2.0/2.0** (.) ASSTD BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER ANDAMAN SEA ADJ SE BAY BET LAT 10.0N TO 15.5N LONG 91.0E TO 97.0E AND ANDAMAN & NICOBAR ILS (.) MINIMUM CTT MINUS **93** DEG C (.)

INTENSE CONVECTION LIES IN NORTH SECTOR OF THE SYSTEM CENTRE (.)

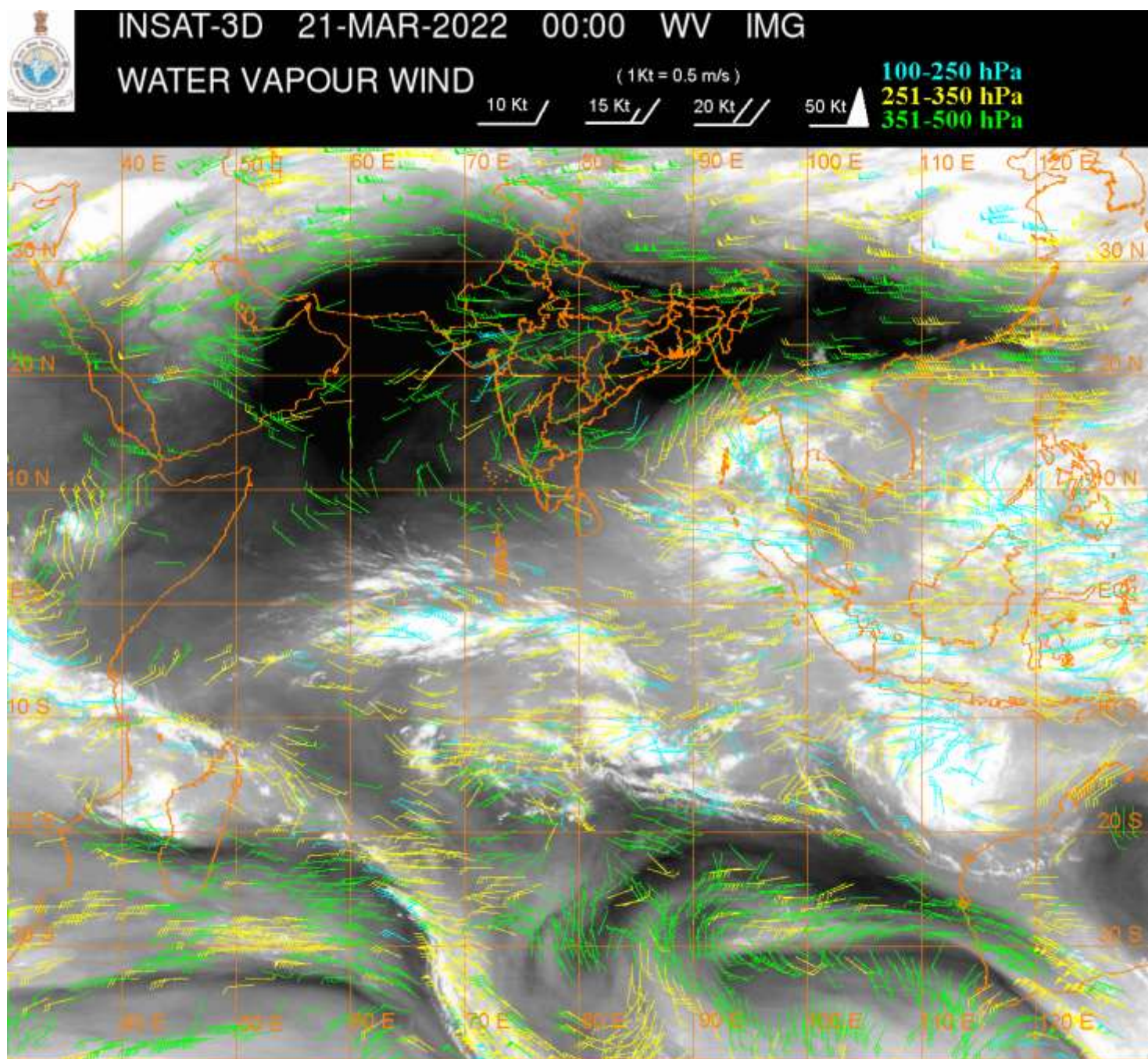
WESTERN DISTURBANCE (WD):-

SCT MULTILAYERED CLOUDS OVER LADAKH N TIBET ADJ CHINA IN ASSW **WD** OVER THE AREA (.)

SCT MULTILAYERED CLOUDS OVER IRAN AND N/HOOD IN ASSW **ANOTHER WD** OVER THE AREA (.)

PRECIPITATION NOWCASTING:-
(BASED ON SCOPE NOWCASTING TOOL AT 0000 UTC IN A LEAD TIME OF 180 MINUTES):-

RAINFALL UPTO **20 MM** OVER ANDAMAN ILS (.)
RAINFALL UPTO **0.5 MM** OVER NICOBAR ILS (.)



CLOUDS DESCRIPTION WITHIN INDIA:-

NORTH:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER N LADAKH AND ISOL WK TO MOD CONVTN OVER S LADAKH J&K N HP N UTRKND N UP (.) SCT LOW/MED CLOUDS OVER S HP S UTRKND S HARY DLH REST UP (.)

EAST:-

SCT LOW/MED CLOUDS WITH EMBDD WK CONVTN OVER CHTGH W JHRKND W ORS SW BHR SKM ARUPR NE ASSAM (.) SCT LOW/MED CLOUDS OVER E JHRKND REST BHR REST ASSAM MEGHA NAGA MANI (.)

WEST:-

SCT LOW/MED CLOUDS WITH EMBDD WK CONVTN OVER SE GUJ MP MAHA & GOA (.) ISOL LOW/MED CLOUDS OVER RAJ (.)

SOUTH:-

BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER ANDAMAN ILS (MINIMUM

CTT MINUS 90 DEG C) AND MOD TO INT CONVTN OVER NICOBAR ILS (.) SCT LOW/MED CLOUDS WITH EMBDD WK CONVTN OVER S TLNGN RYLSM COTL AP NIK NE TN (.) SCT LOW/MED CLOUDS OVER N TLNGN REST KRNTK KER REST TN & LKSDP (.)

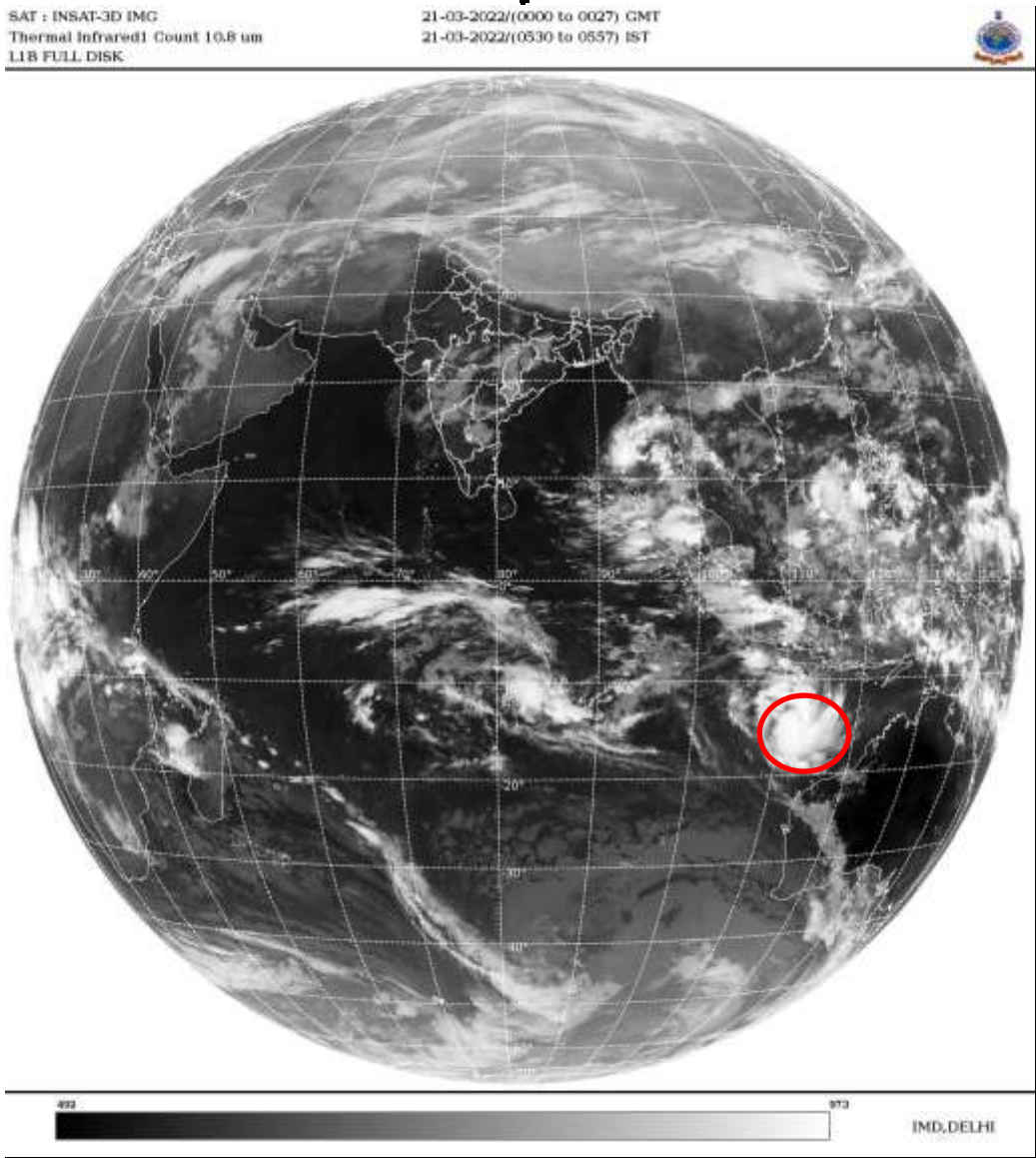
ARABIAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD WK CONVTN OVER EC ARSEA OFF MAHA COAST (.)

BAY OF BENGAL & ANDAMAN SEA:-

BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER ANDAMAN ILS N ANDAMAN SEA (MINIMUM CTT MINUS 93 DEG C) AND MOD TO INT CONVTN OVER SE BAY S ANDAMAN SEA (.)

CLOUDS DESCRIPTION OUTSIDE INDIA:



VORTEX OVER SOUTH INDIAN OCEAN:-

VORTEX OVER SOUTH INDIAN OCEAN CENTERED NEAR 15.0S / 111.6E (.) INTENSITY T 3.0/3.0 (.) ASSTD BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER AREA BET LAT 10.0S TO 20.0S LONG 107.0E TO 117.0E (.)

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER S MALDIVES N TIBET CHINA S MYANMAR THAILAND GULF OF THAILAND CAMBODIA LAOS VIETNAM SUMATRA STR OF MALACCA MALAYSIA BORNEO S CHINA SEA JAVA ILS & SEA CELEBES ILS & SEA PHILIPPINES YELLOW SEA N MADAGASCAR MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET LAT 5.0N TO 20.0S LONG 60.0E TO 120.0E (.)

TOO 21/0720 HRS IST=

NNNN

LEGEND:-

REGION	NORTH	J&K HP PJB HARY DLH UP UTRKND
	EAST	BHR JHRKND CHTGH OR WB SKM NORTH- EAST STATES
	WEST	RAJ MP GUJ MAHA GOA
	SOUTH	TLNGN AP KRNTK KER TN LKSDP ANDAMAN & NICOBAR ILS

CLOUD DISTRIBUTION	ISOL	ISOLATED (LESS THAN 25%)
	SCT	SCATTERED (25 TO 50%)
	BKN	BROKEN (51 TO 75 %)
	SLD	SOLID (GREATER THAN 75%)
CLOUDS TOP TEMPERATURE	CTT	CLOUD TOP TEMPERATURE
CONVECTION	WK CONVIN	WEAK CONVECTION (CTT GREATER THAN -25°C)
	MOD CONVIN	MODERATE CONVECTION (CTT BETWEEN -25°C TO -40°C)
	INT CONVIN	INTENSE CONVECTION (CTT BETWEEN -41°C TO -70°C)
	V INT CONVIN	VERY INTENSE CONVECTION (CTT LESS THAN -70°C)
METEOROLOGICAL SUB-DIVISIONS, STATES & UNION TERRITORIES	ARUPR	ARUNACHAL PRADESH
	BHR	BIHAR
	CHTGH	CHHATTISGARH
	COTL AP	COASTAL ANDHRA PRADESH
	COTL KRNTK	COASTAL KARNATAKA
	COTL ORS	COASTAL ORISSA
	GUJ	GUJARAT
	GWB	GANGETIC WEST BENGAL
	HARY	HARYANA
	DLH	DELHI
	HP	HIMACHAL PRADESH
	J&K	JAMMU AND KASHMIR
	JHRKND	JHARKHAND
	KER	KERALA
	KKN	KONKAN
	LKSDP	LAKSHADWEEP
	M MAHA	MADHYA MAHARASHTRA
	MAHA	MAHARASHTRA
	MANI	MANIPUR
	MEGHA	MEGHALAYA
	MIZO	MIZORAM
	MP	MADHYA PRADESH
	MRTHWD	MARATHWADA
	NAGA	NAGALAND

	N COTL AP	NORTH COASTAL ANDHRA PRADESH
	NIK	NORTH INTERIOR KARNATAKA
	ORS	ORISSA
	PJB	PUNJAB
	RAJ	RAJASTHAN
	RYLSM	RAYALASEEMA
	SAU & KUTCH	SAURASHTRA & KUTCH
	SHWB	SUB-HIMALAYAN WEST BENGAL
	SIK	SOUTH INTERIOR KARNATAKA
	SKM	SIKKIM
	TLNGN	TELANGANA
	TN	TAMIL NADU
	TRP	TRIPURA
	UP	UTTAR PRADESH
	UTRKND	UTTARAKHAND
	VID	VIDHARBHA
	SHWB	SUB HIMALAYAN WEST BENGAL
	GWB	GANGETIC WEST BENGAL
	ARSEA	ARABIAN SEA
	ILS	ISLANDS
MISCELLANEOUS	ASSW	IN ASSOCIATION WITH
	ASSTD	ASSOCIATED
	LLC	LOW LEVEL CIRCULATION
	EMBDD	EMBEDDED
	N/HOOD	NEIGHBOURHOOD
	EXT	EXTREME