

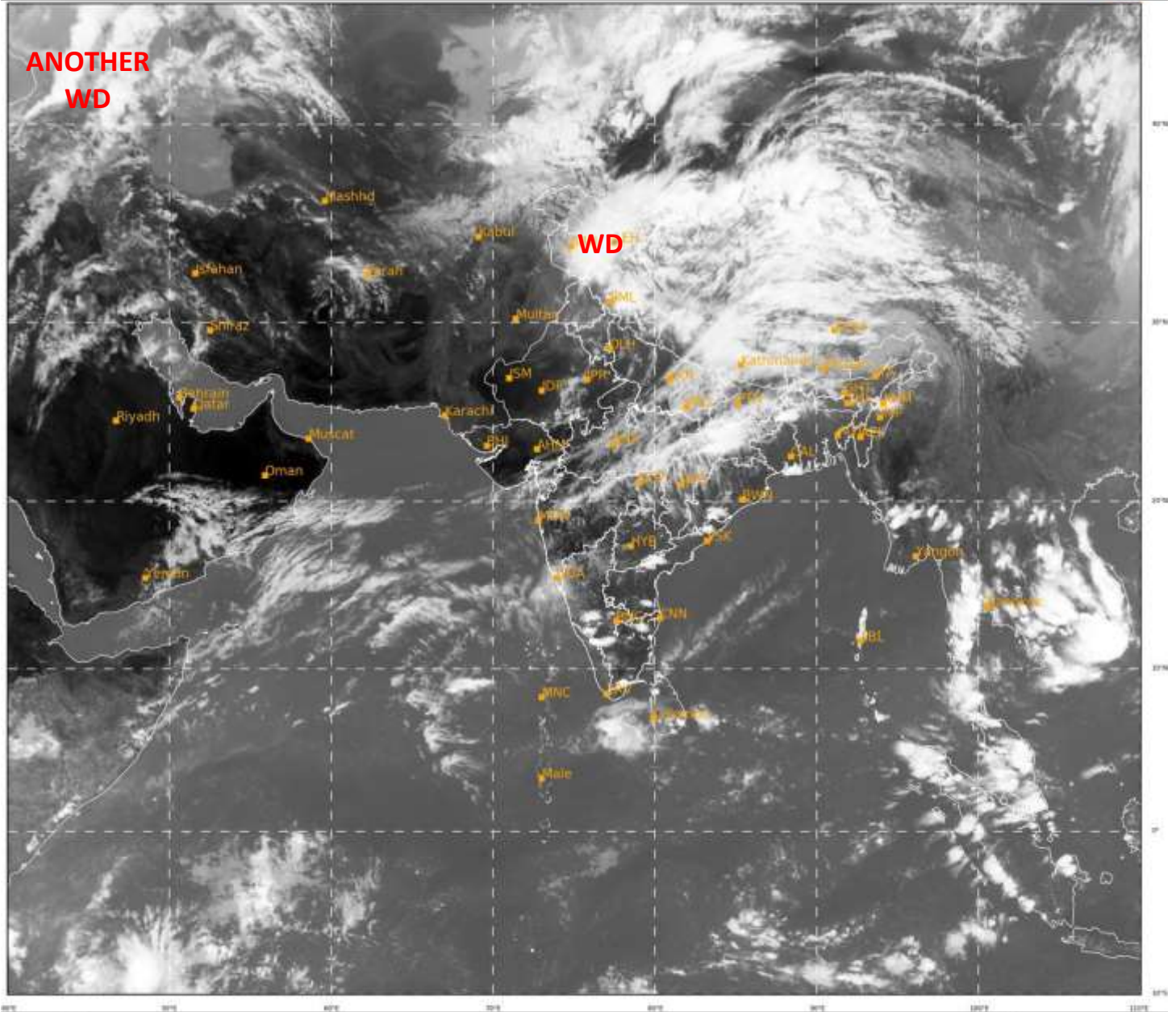


**SATELLITE BULLETIN BASED ON SATELLITE IMAGERIES
AND PRODUCTS**

21.04.2021 TIME 0900 UTC

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

21-04-2021/(0900 to 0926) GMT
21-04-2021/(1430 to 1456) IST



239

934

IMD, DELHI

TCIN50 DEMS 210900

SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 210900 UTC (.)

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

SALIENT FEATURES:-

WESTERN DISTURBANCE (WD):-

SCT MULTILAYERED CLOUDS OVER LADAKH J&K HP N UTRKND E UP NEPAL TIBET AND N/HOOD IN ASSW **WD** OVER THE AREA (.)

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



INSAT-3D 21-APR-2021 09:00 WV IMG

WATER VAPOUR WIND

(1Kt = 0.5 m/s)

10 Kt

15 Kt

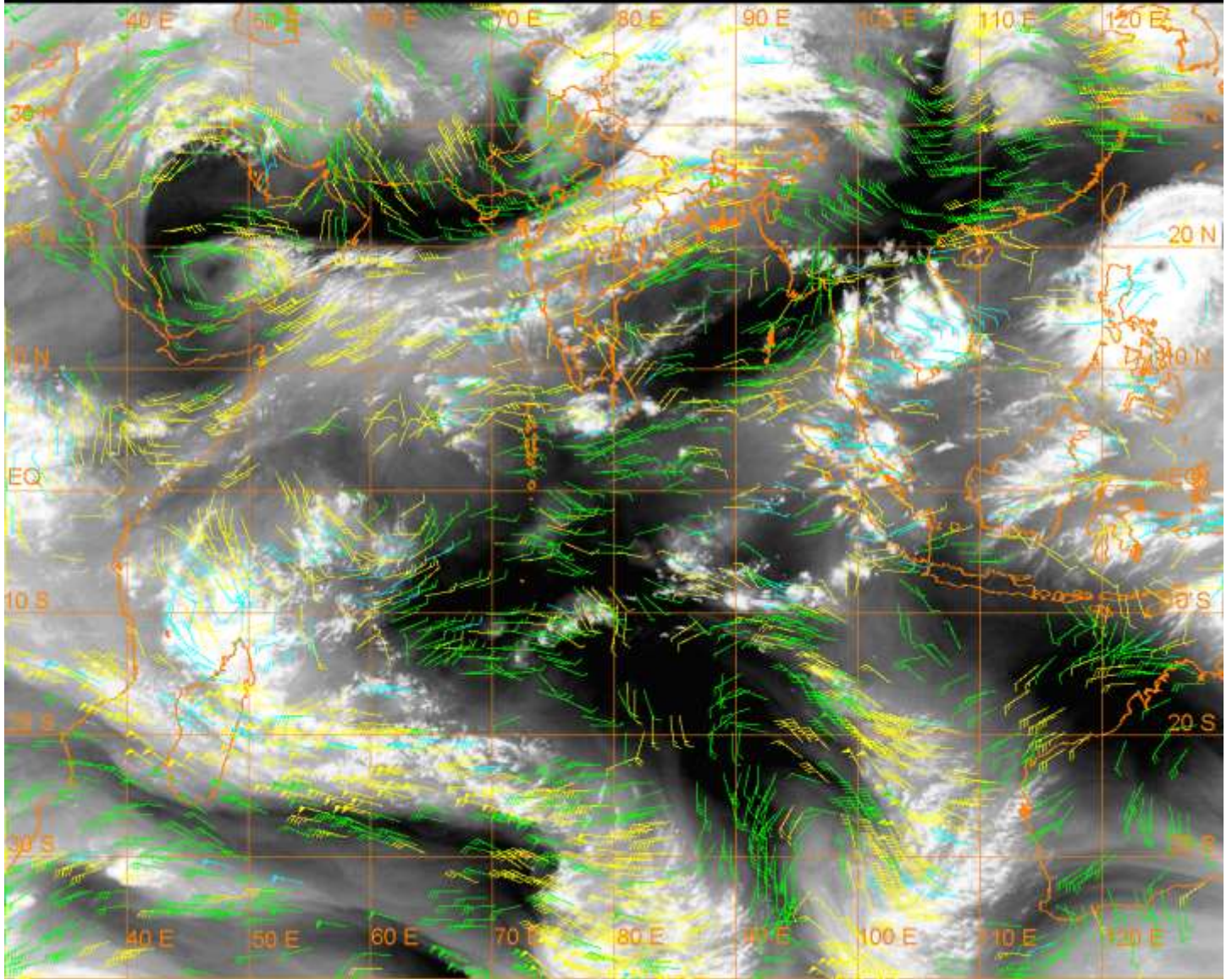
20 Kt

50 Kt

100-250 hPa

251-350 hPa

351-500 hPa



CLOUDS DESCRIPTION WITHIN INDIA:-

NORTH:-

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER EXT NE LADAKH (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER REST LADAKH J&K HP UTRKND E UP (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER N PJB S HARY W UP (.) SCT LOW/MED CLOUDS OVER REST PJB REST HARY DLH (.)

EAST:-

SCT LOW/MED CLOUDS WITH EMBDD ISOL MOD TO INT CONVTN OVER SKM BHR N CHTGH NE&W JHRKND SHWB S ORS N GWB S NAGA N MANI (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER REST CHTGH REST JHRKND W ORS W ASSAM MEGHA REST NAGA SKM (.) ISOL TO SCT LOW/MED CLOUDS OVER REST ORS W GWB REST NE STATES (.)

WEST:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SE MP (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER SE GUJ REST MP VID N MADHYA MAHA GOA E RAJ (.) SCT LOW/MED CLOUDS OVER REST MAHA S GUJ KKN (.)

SOUTH:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SIK N KER N&S TN N&C COTL AP (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER REST KRNTK N TLNGN (.) SCT LOW/MED CLOUDS OVER REST KER REST TN REST TLNGN RYLSM ANDAMAN & NICOBAR ILS LKSDP ILS (.)

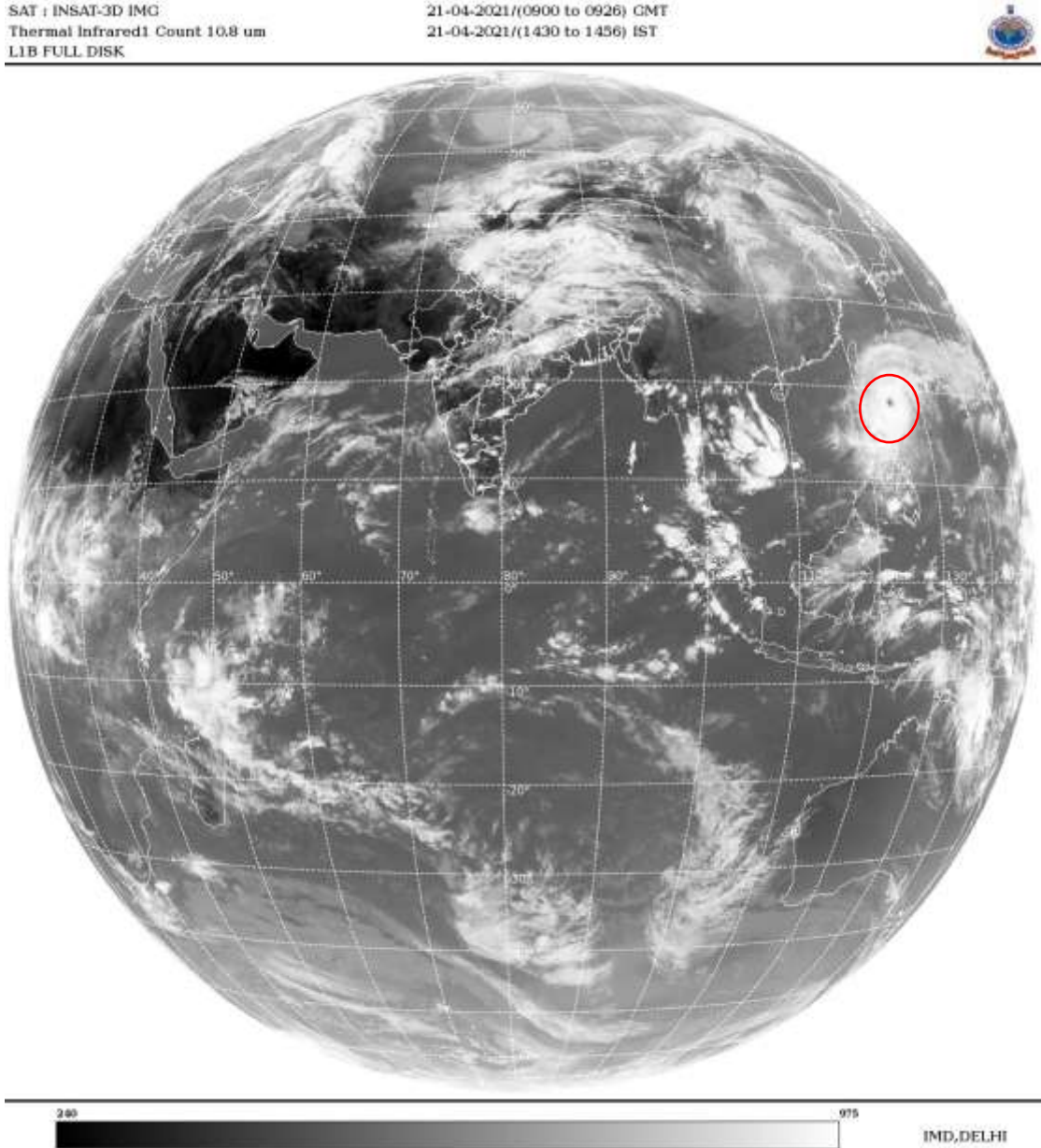
ARABIAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONV TN OVER C & S ARSEA (.)

BAY OF BENGAL & ANDAMAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONV TN OVER SW ADJ WC BAY (.)

CLOUDS DESCRIPTION OUTSIDE INDIA:-



VORTEX (SURIGAE) OVER PHILIPPINES SEA:-

VORTEX (**SURIGAE**) OVER PHILIPPINES SEA CENTERED NEAR **18.4N/124.9E** (.) INTENSITY **T5.0/5.5** (.) EYE CLEARLY VISIBLE IN VIS/IR IMAGERY (.) ASSTD BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVECTIVE CIRCULAR CLOUDS MASS OVER AREA BET LAT 14.0N TO 22.0N LONG 121.0E TO 128.5E & N PHILIPPINES (.)

SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONV TN OVER NEPAL TIBET N CHINA YELLOW SEA THAILAND GULF OF THAILAND COMBODIA VIETNAM SUMATRA STR OF MALACCA MALAY PENINSULA BORNEO CELEBES ILS & SEA PHILIPPINES SULU SEA MADAGASCAR MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET LAT EQT TO 20.0S LONG 42.0E TO 102.0E AND BET LAT 20.0S TO 30.0S LONG 50.0E TO 106.0E (.)

TOO 21/1525EF=

NNNN

LEGEND:-

REGION	NORTH	J&K HP PJB HARY DLH UP UTRKND
	EAST	BHR JHRKND CHTGH ORS 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 CONVTN	WEAK CONVECTION (CTT GREATER THAN -25°C)
	MOD CONVTN	MODERATE CONVECTION (CTT BETWEEN -25°C TO -40°C)
	INT CONVTN	INTENSE CONVECTION (CTT BETWEEN -41°C TO -70°C)
	V INT CONVTN	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