



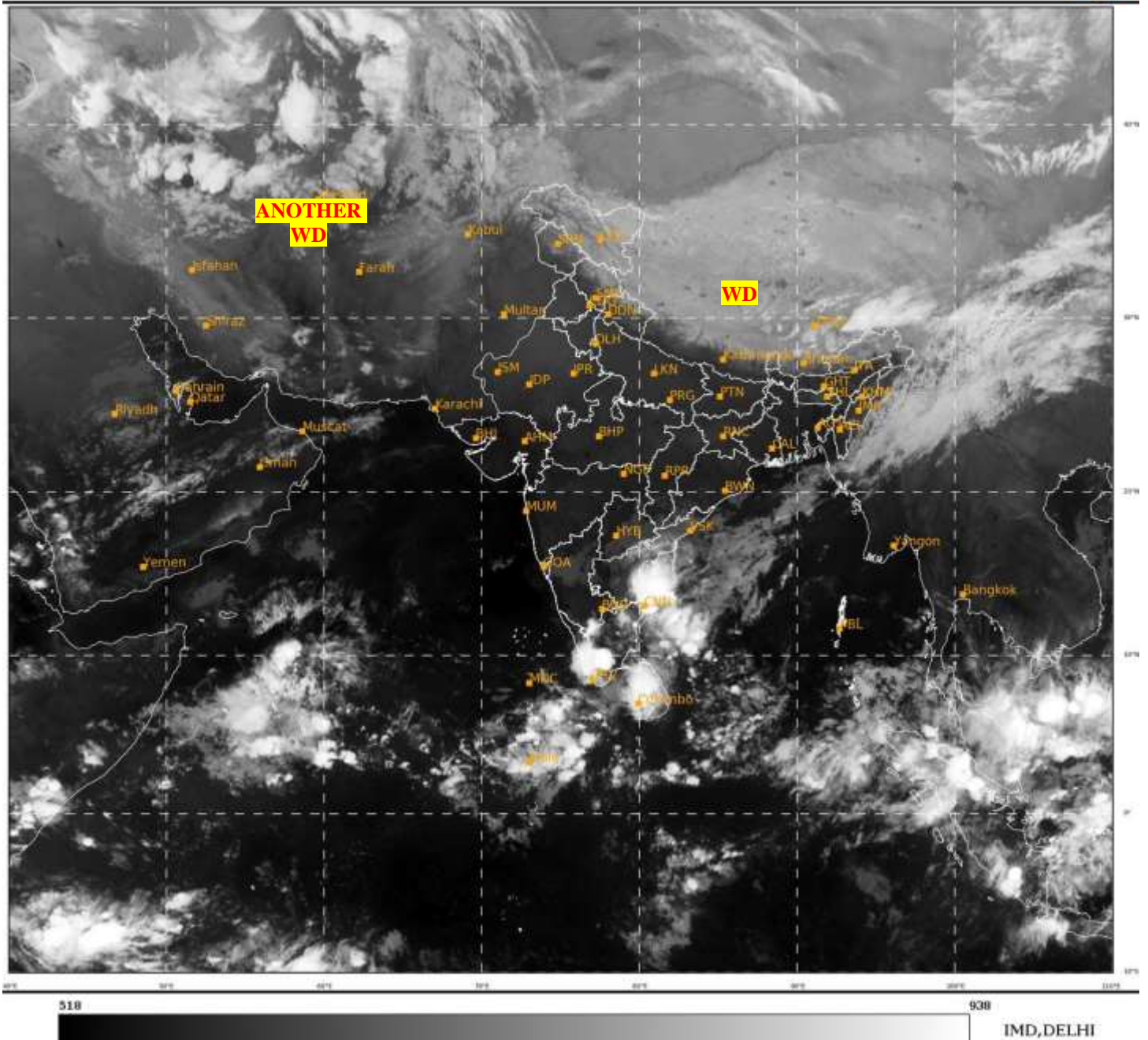
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय
India Meteorological Department
Ministry of Earth Sciences



**SATELLITE BULLETIN BASED ON SATELLITE
IMAGERIES AND PRODUCTS**
21.11.2023 TIME 1500 UTC

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

21-11-2023/(1500 to 1526) GMT
21-11-2023/(2030 to 2056) IST



TCIN50 DEMS 211500

SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 211500 UTC (.)

REGION COVERED BETWEEN LAT 50.0°N TO 35.0°S AND LONG 40.0°E TO 125.0°E (.)

SALIENT FEATURES:-

WESTERN DISTURBANCE:-

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

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

CONVECTIVE / THUNDERSTORM ACTIVITY:-

MODERATE TO INTENSE CONVECTIVE / THUNDERSTORM ACTIVITY OBSERVED OVER S COTL AP S KER TN (.)



INSAT-3DR 21-NOV-2023 14:45 WV IMG

WATER VAPOUR WIND

(1Kt = 0.5 m/s)

10 Kt //

15 Kt //

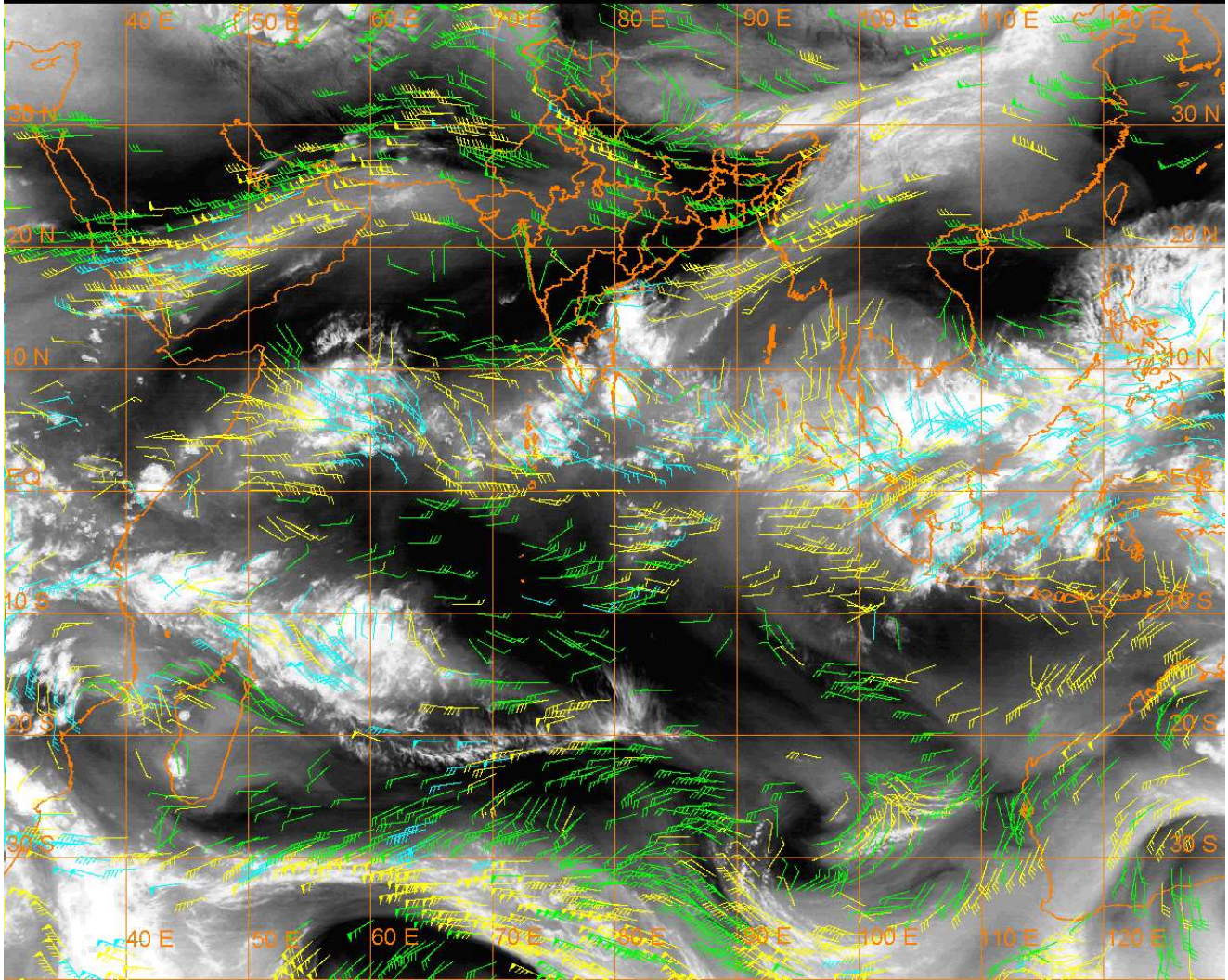
20 Kt //

50 Kt ▲

100-250 hPa

251-350 hPa

351-500 hPa



CLOUDS DESCRIPTION WITHIN INDIA:-

NORTH:-

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

EAST:-

SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER SKM NE ASSAM ARUPR & (.) SCT LOW/MED CLOUDS OVER S CHTGH ORS N SHWB MEGHA REST ASSAM (.)

WEST:-

ISOL LOW/MED CLOUDS OVER MP SE VID (.)

SOUTH:-

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER S TN (MINIMUM **CTT MINUS 80 DEG** CEL) (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER S COTL AP S KER N TN SOUTH SIK AND ISOL WK CONVTN OVER N COTL AP NICOBAR ILS (.) SCT LOW/MED CLOUDS OVER REST KRNTK TLNGN N KER LKSDP & ANDAMAN ILS (.)

ARABIAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SOUTH ARSEA COMORIN AREA (.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER NW & CENTRAL ARSEA (.)

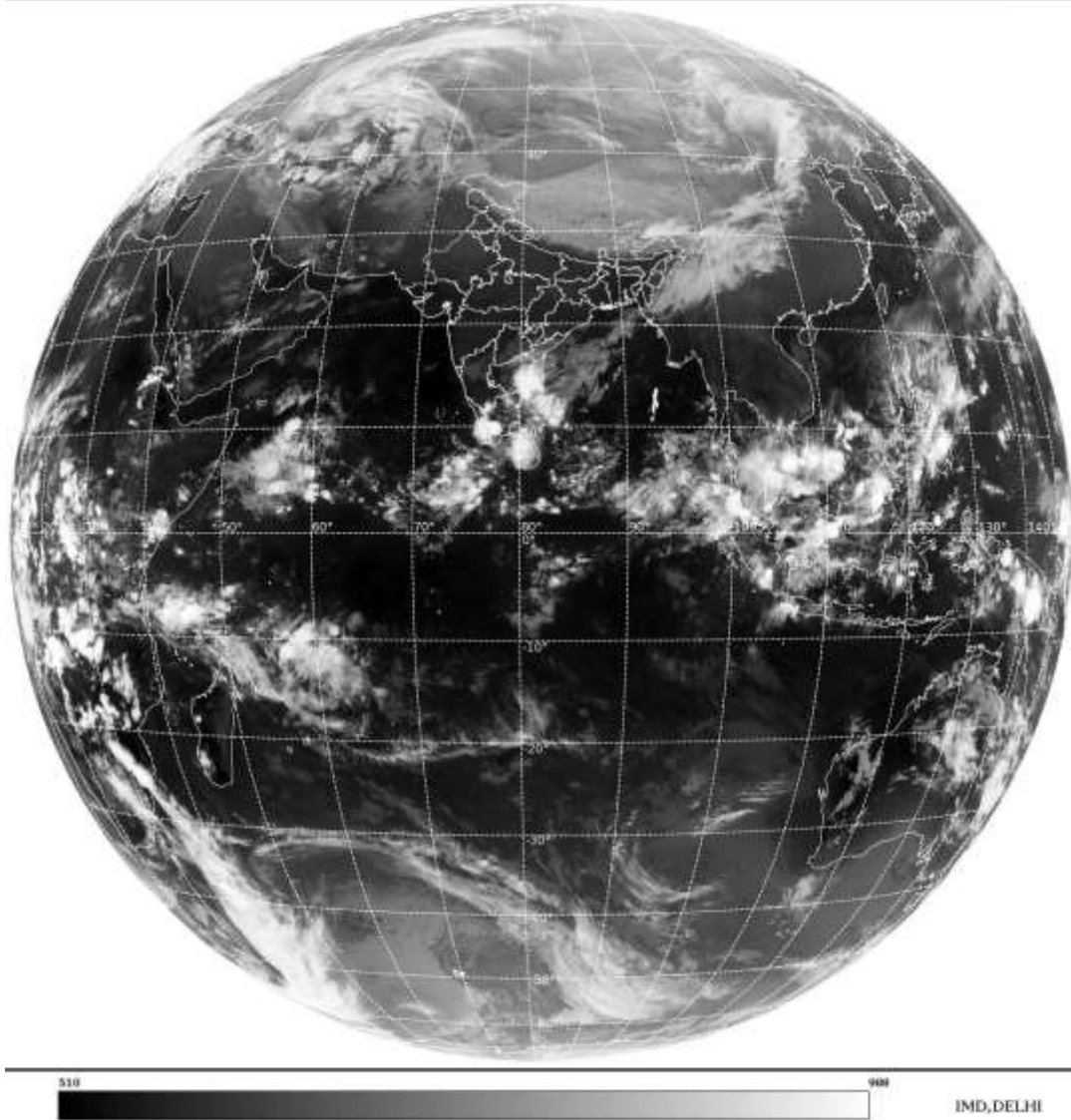
BAY OF BENGAL & ANDAMAN SEA:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER WC BAY OFF S AP COAST AND SW BAY OFF N TN COAST (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER REST SOUTH BAY AND WK TO MOD CONVTN OVER NORTH BAY SOUTH ANDAMAN SEA (.)

CLOUDS DESCRIPTION OUTSIDE INDIA:-

SAT : INSAT-3D IMG
Thermal Infrared1 Count 10.8 um
L1B FULL DISK

21-11-2023/(1500 to 1526) GMT
21-11-2023/(2030 to 2056) IST



SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SRI LANKA PALK STR GULF OF MANNAR MALDIVES N NEPAL BHUTAN TIBET CHINA N MYANMAR EXT S THAILAND GULF OF THAILAND CAMBODIA S VIETNAM SUMATRA ADJ WEST COAST STR OF MALACCA MALAYSIA BORNEO SOUTH CHINA SEA JAVA ILS & SEA CELEBES ILS & SEA PHILIPPINES SULU SEA MADAGASCAR MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET LAT 5.0N TO 10.0S LONG 40.0E TO 105.0E AND BET LAT 10.0S TO 22.0S LONG 50.0E TO 80.0E (.)

TOO 21/2125 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 CONV TN	WEAK CONVECTION (CTT GREATER THAN -25°C)
	MOD CONV TN	MODERATE CONVECTION (CTT BETWEEN -25°C TO -40°C)
	INT CONV TN	INTENSE CONVECTION (CTT BETWEEN -41°C TO -70°C)
	V INT CONV TN	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