



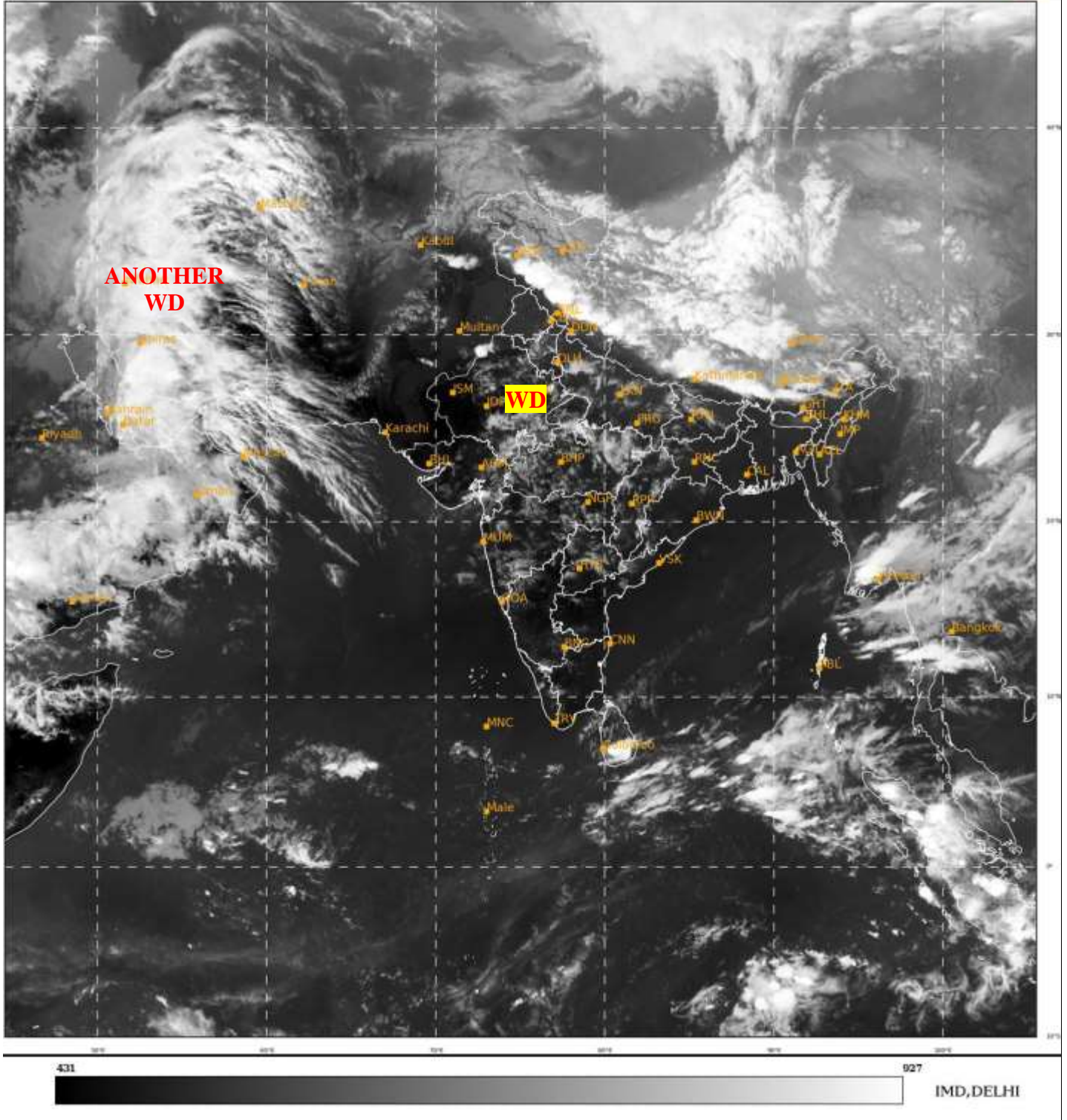
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय
India Meteorological Department
Ministry of Earth Sciences



**SATELLITE BULLETIN BASED ON SATELLITE
IMAGERIES AND PRODUCTS**
13.03.2023 TIME 1200 UTC

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

13-03-2023/(1200 to 1226) GMT
13-03-2023/(1730 to 1756) IST



TCIN50 DEMS 131200

SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 131200 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 (WD):-

SCT MULTILAYERED CLOUDS OVER LADAKH J&K HP UTRKND HARY UP RAJ E GUJ MP IN ASSW **WD** OVER THE AREA (.)

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



INSAT-3D 13-MAR-2023 12:00 WV IMG

WATER VAPOUR WIND

(1Kt = 0.5 m/s)

10 Kt

15 Kt

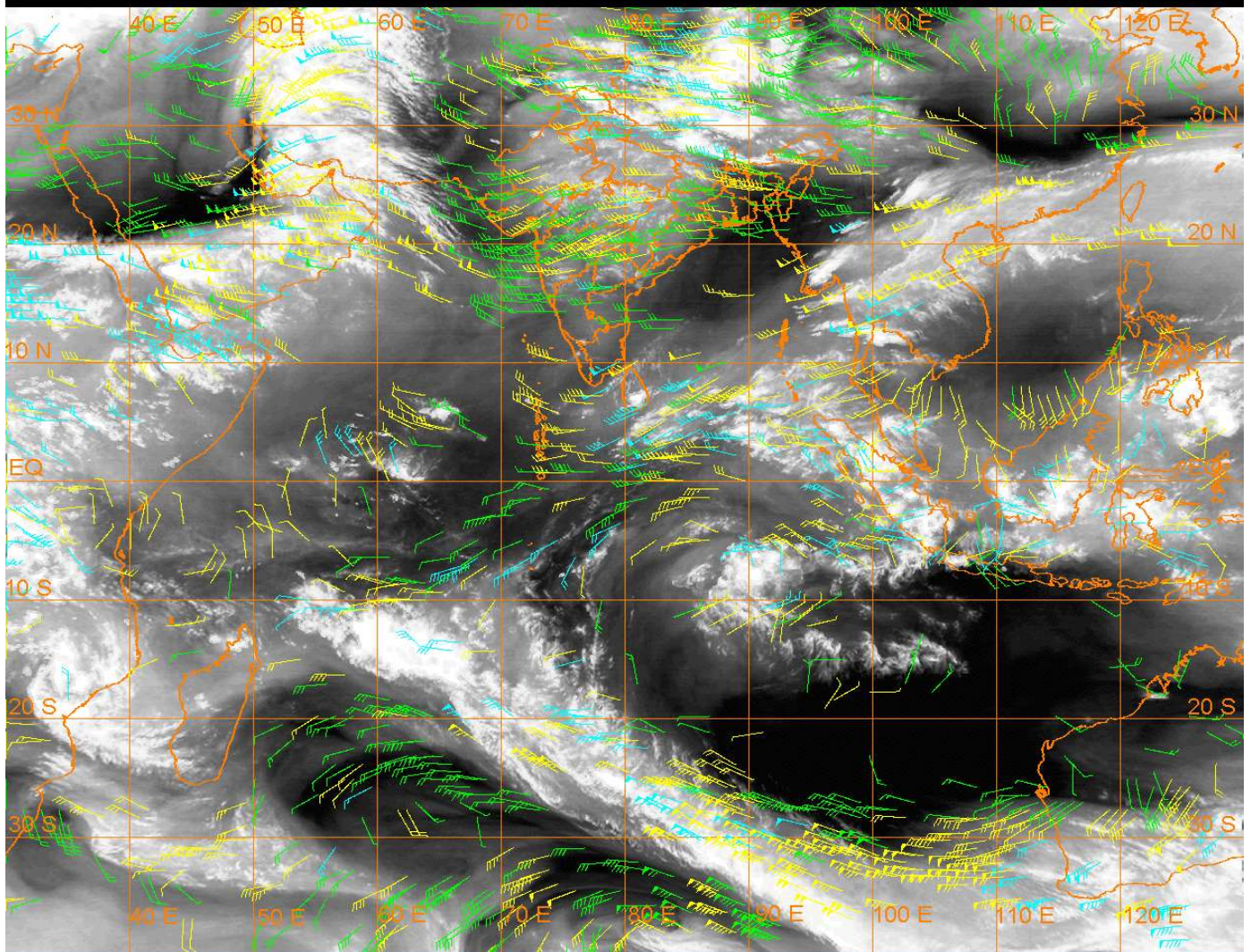
20 Kt

50 Kt

100-250 hPa

251-350 hPa

351-500 hPa



CLOUDS DESCRIPTION WITHIN INDIA:-

NORTH:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER J&K HP UTRKND (MINIMUM CTT **MINUS 75** DEG CEL) (.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER LADAKH HARY UP (.) SCT LOW/MED CLOUDS OVER SE PJB DLH (.)

EAST:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SKM ADJ N SHWB ARUPR ADJ N ASSAM AND ISOL WK TO MOD CONVTN OVER CHTGH BHR (.) SCT LOW/MED CLOUDS OVER ORS JHRKND REST ASSAM MEGHA NAGA MANI (.)

WEST:-

SCT LOW/MED CLOUDS WITH EMBDD ISOL MOD TO INT CONVTN OVER N RAJ N MP AND ISOL WK TO MOD CONVTN OVER S RAJ S MP GUJ MAHA (.) SCT LOW/MED CLOUDS OVER GOA (.)

SOUTH:-

SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER TLNGN NIK N KER ADJ NW TN & NICOBAR ILS (.) SCT LOW/MED CLOUDS OVER COTL AP RYLSM REST KRNTK S KER REST TN & ANDAMAN ILS (.)

ARABIAN SEA:-

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

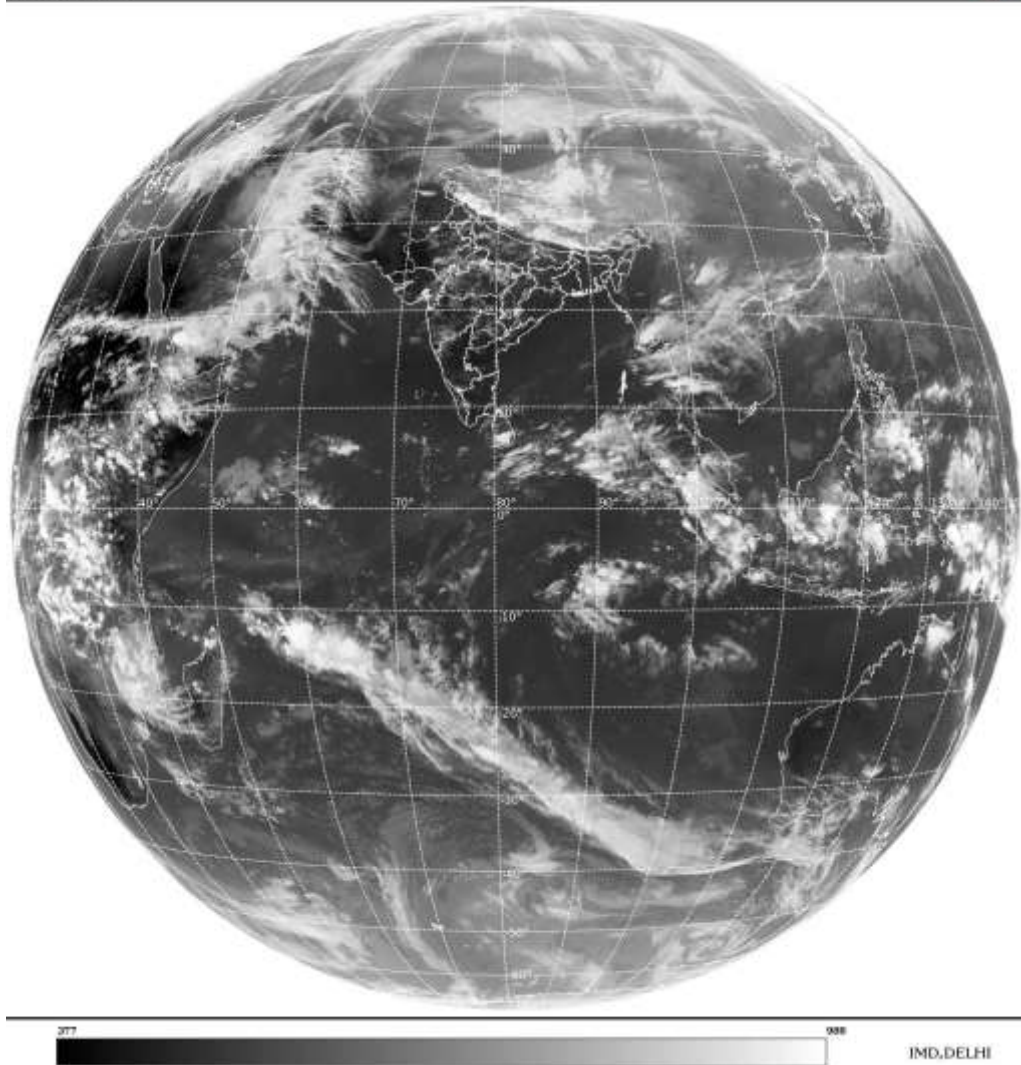
BAY OF BENGAL & ANDAMAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER S BAY ANDAMAN SEA (.)

CLOUDS DESCRIPTION OUTSIDE INDIA:-

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

13-03-2023(1200 to 1226) GMT
13-03-2023(1730 to 1756) IST



SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER S SRILANKA PAK NEPAL BHUTAN TIBET CHINA MYANMAR THAILAND GULF OF THAILAND N CAMBODIA LAOS N VIETNAM SUMATRA STR OF MALACCA MALAYSIA BORNEO SOUTH CHINA SEA JAVA SEA CELEBES ILS & SEA S PHILIPPINES MADAGASCAR MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET LAT 5.0N TO 15.0S LONG 50.0E TO 105.0E AND BET LAT 15.0S TO 30.0S LONG 60.0E TO 90.0E (.)

TOO 13/1830 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 TERITORIES	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