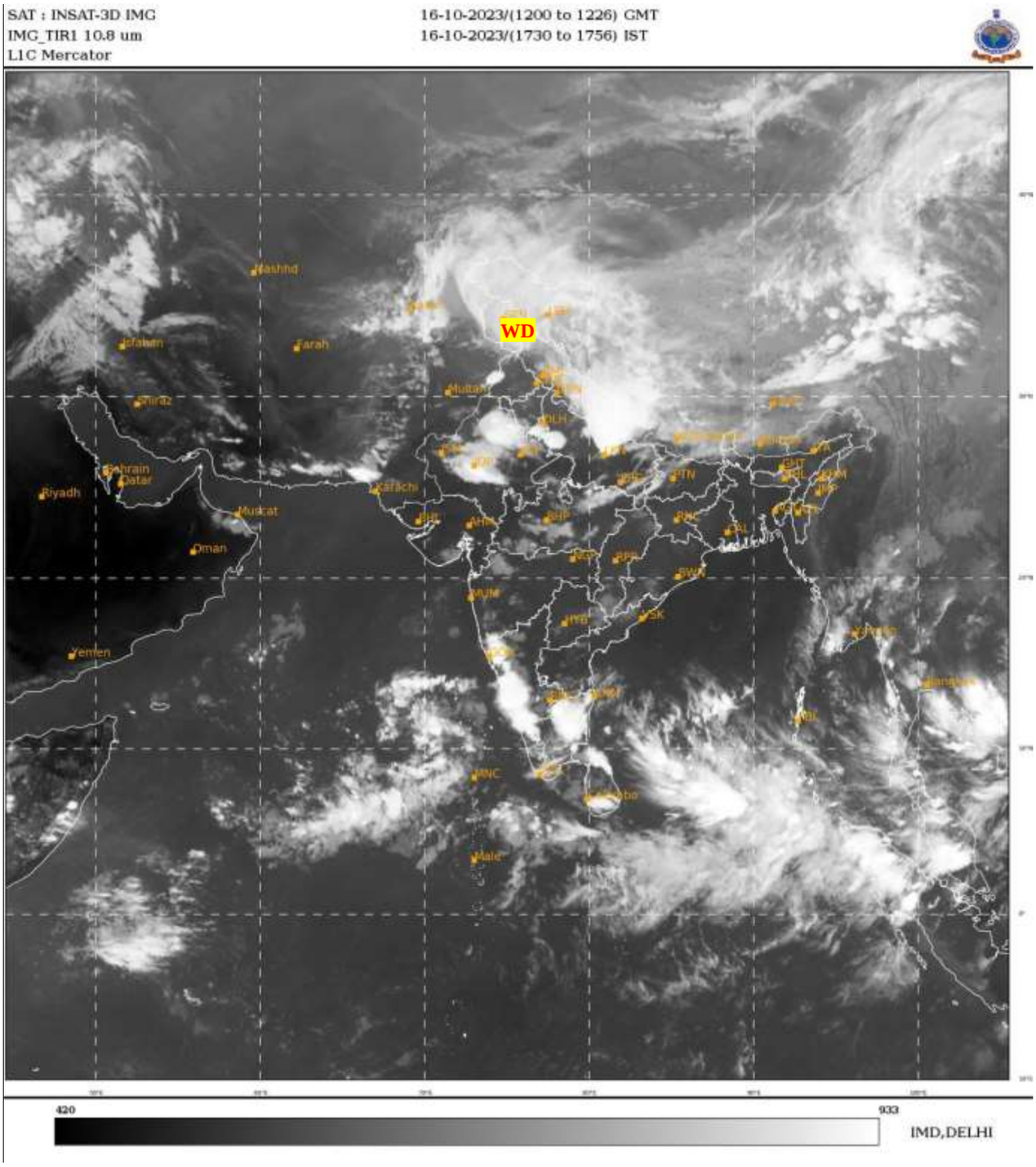
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय
India Meteorological Department
Ministry of Earth Sciences

SATELLITE BULLETIN BASED ON SATELLITE IMAGERIES AND PRODUCTS
16.10.2023 TIME 1200 UTC



TCIN50 DEMS 161200
SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 161200 UTC (.)
REGION COVERED BETWEEN LAT 50.0ºN TO 35.0ºS AND LONG 40.0ºE TO 125.0ºE (.)

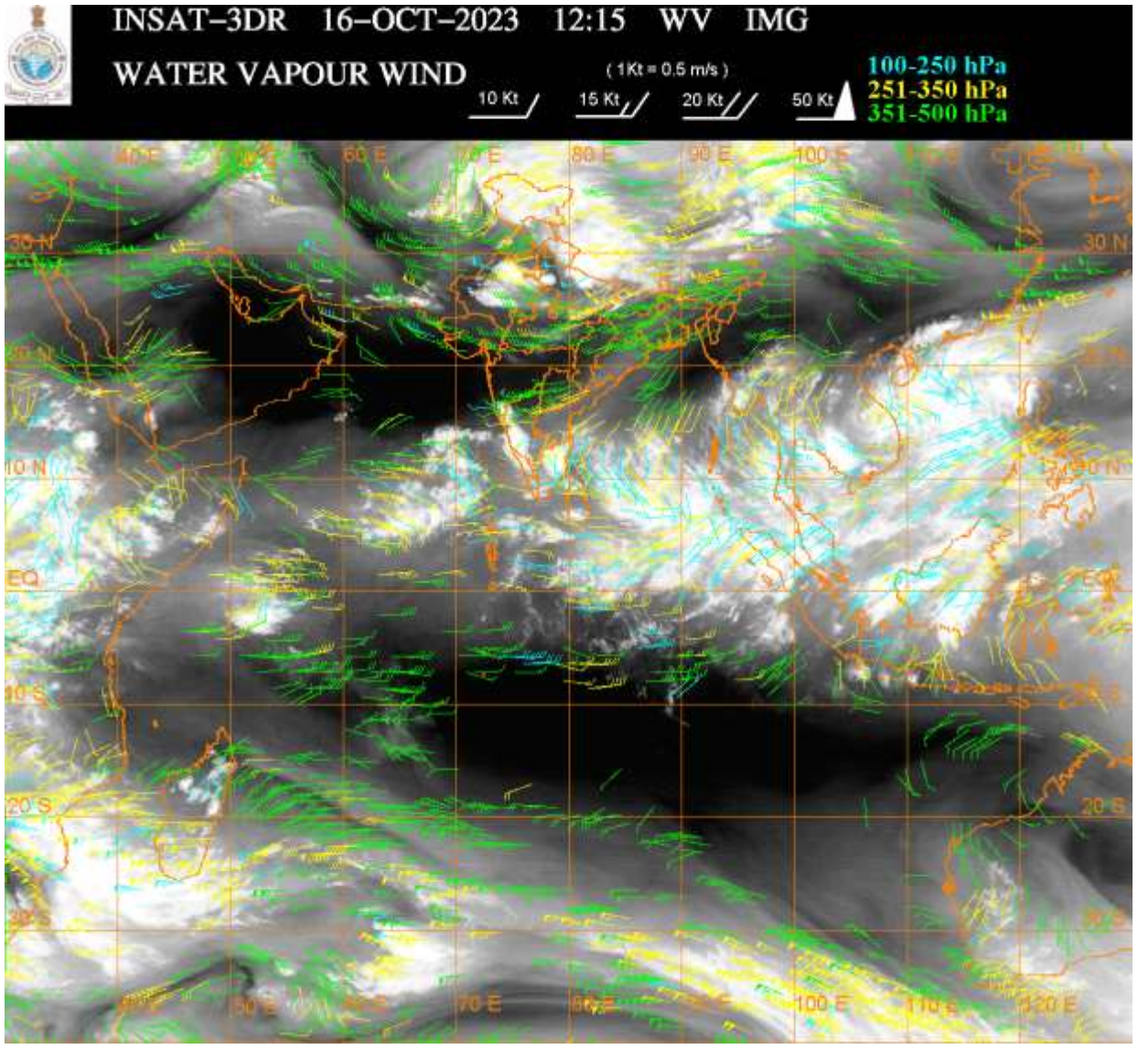
SALIENT FEATURES:-

WESTERN DISTURBANCE (WD):-

SCT TO BKN MULTILAYERED CLOUDS OVER N PAK LADAKH J&K HP PJB HARY RAJ DLH N UP UTRKND NEPAL TIBET ADJ CHINA IN ASSW WD OVER THE AREA (.)

THUNDERSTORM / CONVECTIVE ACTIVITY:-

MODERATE TO INTENSE THUNDERSTORM / CONVECTIVE ACTIVITY OBSERVED OVER LADAKH J&K HP SW PJB SE HARY UTRKND UP RAJ NE MP SOUTH MADHYA MAHA ADJ S KKN GOA KRNTK KER TN (.)



CLOUDS DESCRIPTION WITHIN INDIA:-

NORTH:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER NORTH CENTRAL UP (MINIMUM CTT MINUS 80 DEG CEL) (.) SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER LADAKH J&K HP UTRKND SW PJB SE HARY REST UP (.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER REST PJB REST HARY DLH (.)

EAST:-

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

WEST:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER RAJ GOA (MINIMUM CTT MINUS 80 DEG CEL) SOUTH MADHYA MAHA ADJ S KKN (MINIMUM CTT MINUS 70 DEG CEL) (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER NE MP AND WK TO MOD CONVTN OVER REST MP S GUJ REST MADHYA MAHA NW VID (.) SCT LOW/MED CLOUDS OVER NW GUJ REST MAHA (.)

SOUTH:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER W NIK COTL KRNTK SIK N KER N TN (MINIMUM CTT MINUS 75 DEG CEL) (.) SCT LOW/MED COUDS WITH EMBDD MOD TO INT CONVTN OVER S KER S TN AND WK TO MOD CONVTN OVER SE TLNGN S RYLSM S COTL AP LKSDP ILS ANDAMAN & NICOBAR ILS (.) SCT LOW/MED CLOUDS OVER E NIK SW TLNGN N RYLSM N COTL AP (.)

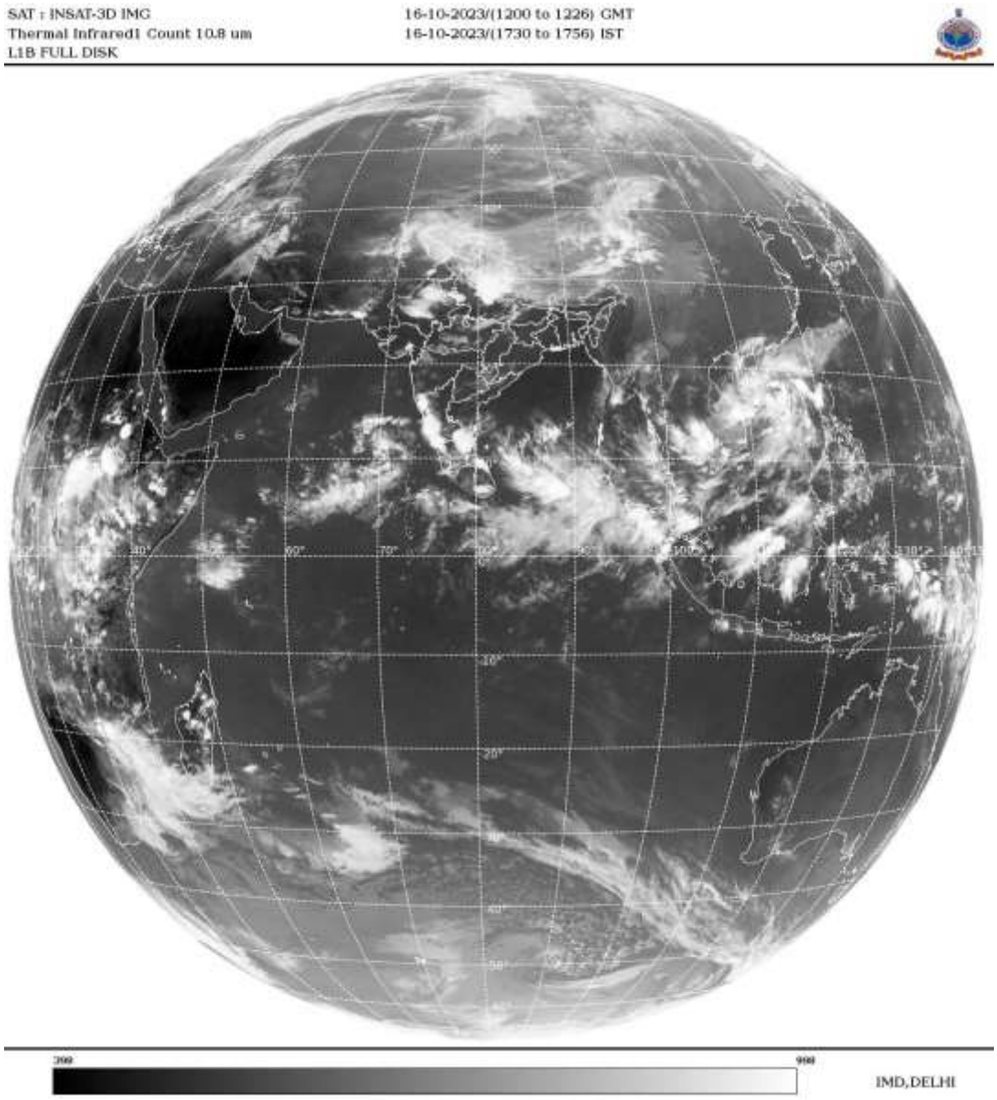
ARABIAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER SOUTH PARTS OF EC ARSEA AND SE ARSEA (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER WC & SW ARSEA LKSDP ILS AREA AND COMORIN AREA (.)

BAY OF BENGAL & ANDAMAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER SOUTH BAY (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER ANDAMAN SEA TENASSERIM COAST AND ISOL WK TO MOD CONVTN OVER CENTRAL BAY (.)

CLOUDS DESCRIPTION OUTSIDE INDIA:-



SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SRI LANKA PALK STR GULF OF MANNAR NORTH MALDIVES PAK NEPAL BHUTAN TIBET CHINA EAST CHINA SEA TAIWAN S MYANMAR THAILAND GULF OF THAILAND CAMBODIA LAOS VIETNAM GULF OF TONKIN HAINAN SUMATRA STR OF MALACCA MALAYSIA BORNEO SOUTH CHINA SEA JAVA ILS CELEBES ILS & SEA PHILIPPINES SULU SEA MADAGASCAR SOUTH MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET LAT 5.0N TO 5.0S LONG 48.5E TO 100.0E (.)

TOO 16/1840 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 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 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**