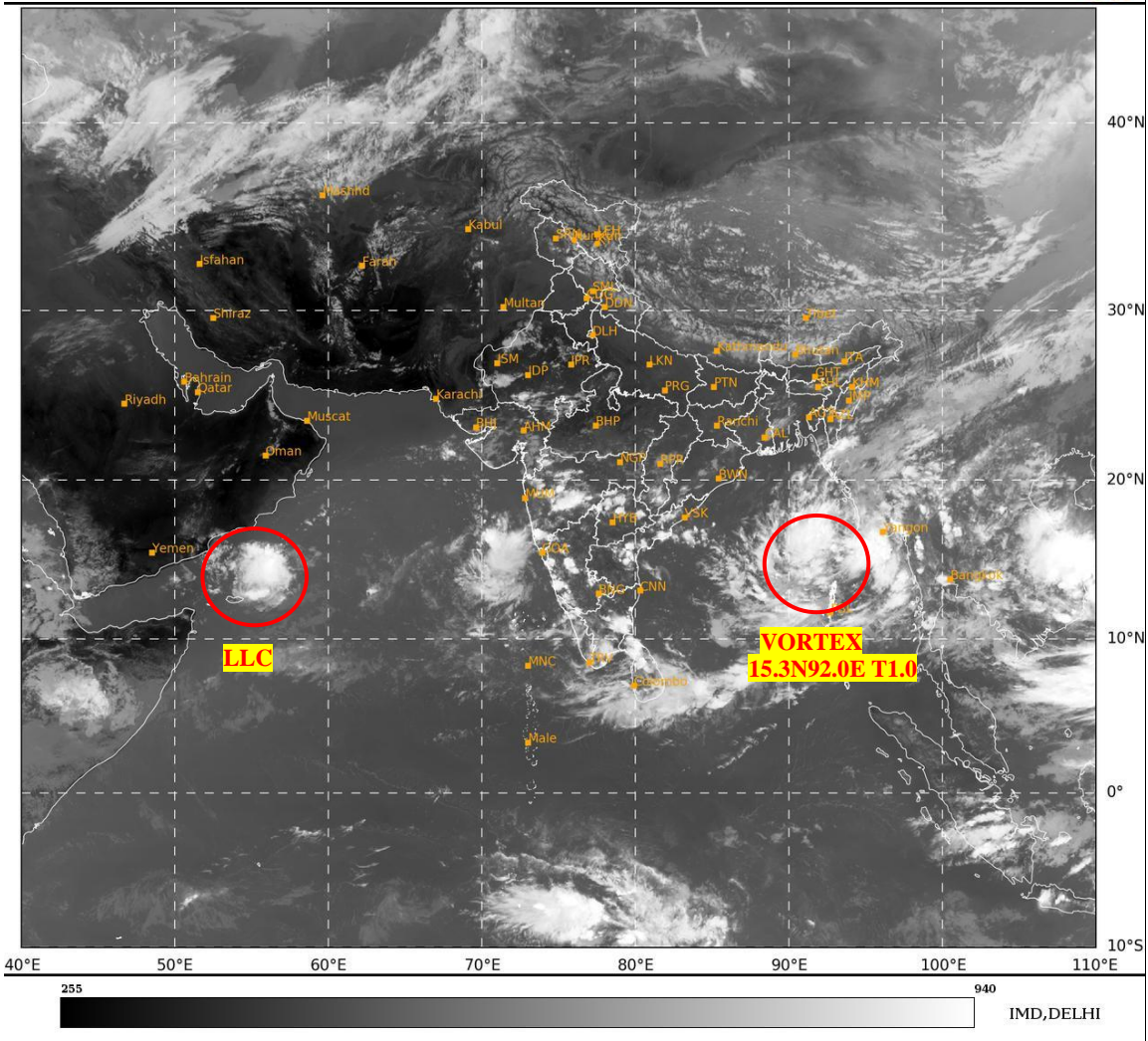




**SATELLITE BULLETIN BASED ON SATELLITE
IMAGERIES AND PRODUCTS**
21.10.2024 TIME 0900 UTC

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

21-10-2024/(0845 to 0912) GMT
21-10-2024/(1415 to 1442) IST



TCIN50 DEMS 210900

SATELLITE BULLETIN BASED ON INSAT-3DR PIC OF 210845 UTC (.)

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

SALIENT FEATURES:-

VORTEX OVER EAST-CENTRAL BAY:-

LLC OVER EC BAY ADJ N ANDAMAN SEA HAS INTENSIFIED AND NOW SEEN AS VORTEX OVER EC BAY CENTERED NEAR **15.3N/92.0E** (.) INTENSITY **T1.0** (.) ASSTD SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER EC BAY NORTH ANDAMAN SEA & N/HOOD (MINIMUM **CTT MINUS 80-90** DEG CEL) (.)

LLC OVER WEST-CENTRAL ARABIAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER WC ARSEA BET LAT 12.5N TO 16.5N LONG 54.0E TO 58.0E IN ASSW LOW LEVEL CIRCULATION (**LLC**) OVER THE AREA (MINIMUM **CTT MINUS 75** DEG CEL) (.)

CONVECTIVE / THUNDERSTORM ACTIVITY:-

MODERATE TO INTENSE CONVECTIVE / THUNDERSTORM ACTIVITY OBSERVED OVER S CHTGH GOA ADJ S KKN MADHYA MAHA MRTHWD N COTL AP N TLNGN KRNTK KER TN (MINIMUM **CTT MINUS 50-70** DEG CEL) (.)



INSAT-3DR 21-OCT-2024 08:45 WV IMG

WATER VAPOUR WIND

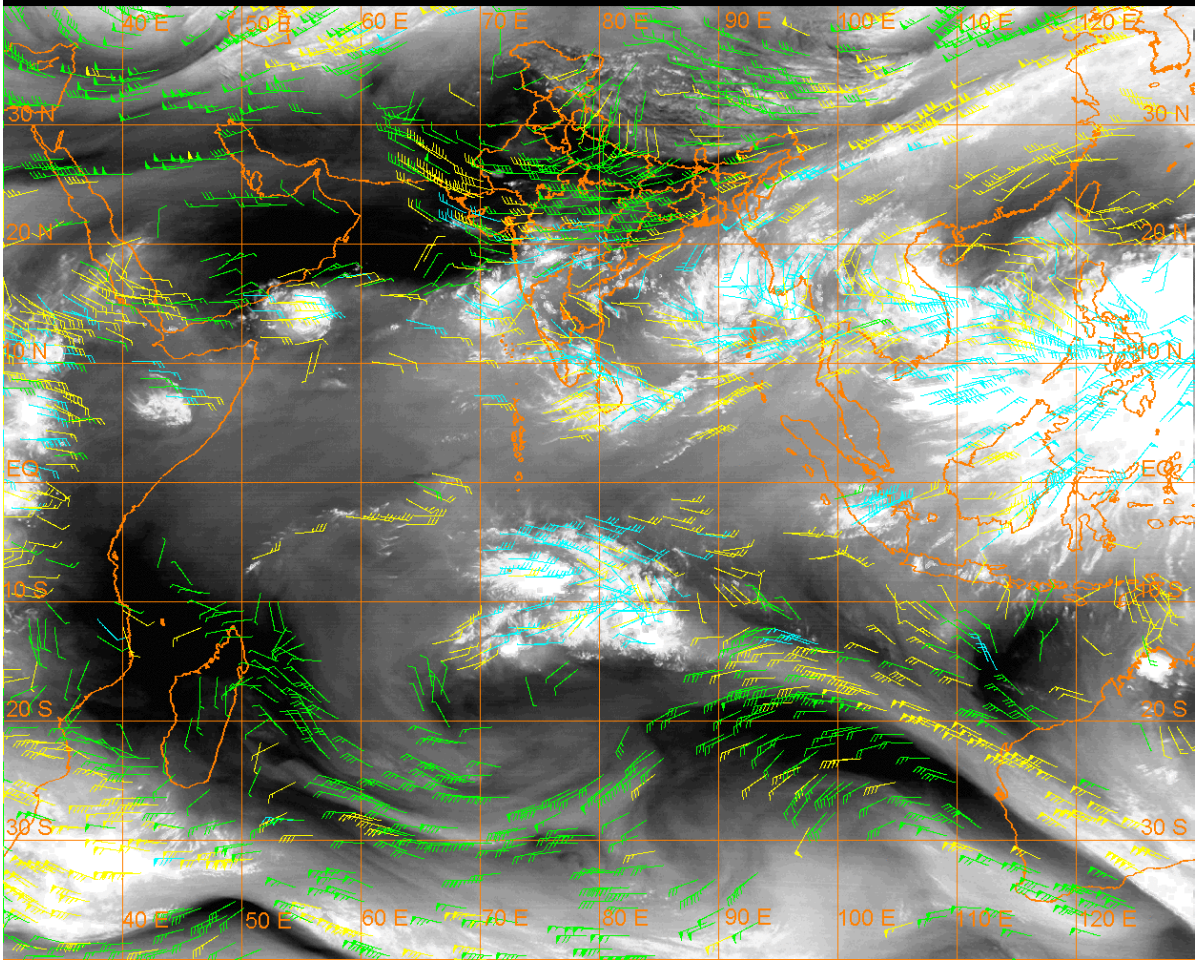
(1Kt = 0.5 m/s)

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 CONVTN OVER LADAKH N J&K N HP N UTRKND (.) ISOL LOW/MED CLOUDS OVER S J&K HP UTRKND UP (.)

EAST:-

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

WEST:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER MADHYA MAHA MRTHWD GOA ADJ S KKN (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER RAJ EXT W MP GUJ REST MAHA (.) ISOL LOW/MED CLOUDS OVER REST MP VID (.)

SOUTH:-

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

ARABIAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER WC ARSEA (MINIMUM **CTT MINUS 75 DEG CEL**) (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER EC ADJ SE ARSEA LKSDP ILS AREA & COMORIN AREA (.)

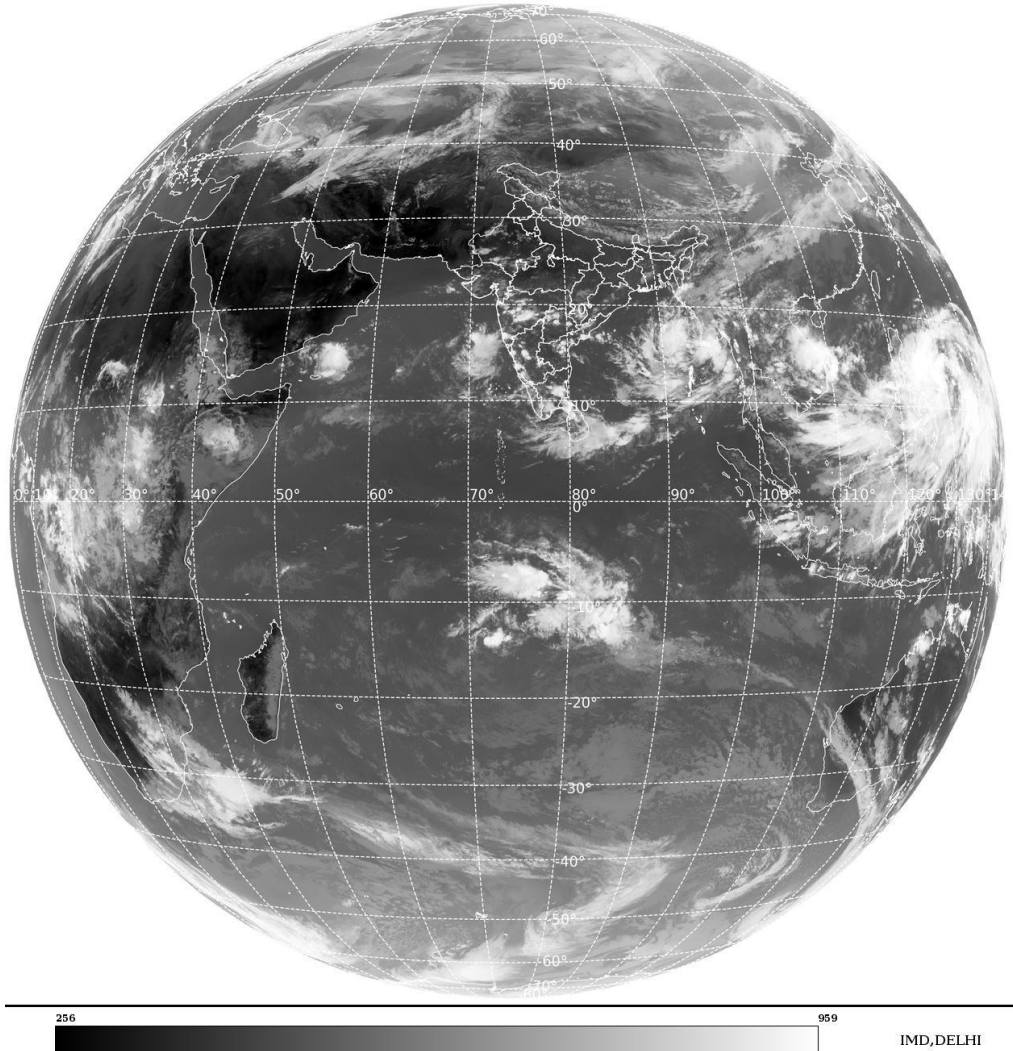
BAY OF BENGAL & ANDAMAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER NE & EC BAY SOUTH BAY NORTH ANDAMAN SEA TENASSERIM COAST GULF OF MARTABAN (MINIMUM **CTT MINUS 80-85 DEG CEL**) (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER NW & WC BAY & ARAKAN COAST AND SOUTH ANDAMAN SEA (.)

CLOUDS DESCRIPTION OUTSIDE INDIA:-

SAT : INSAT-3DR IMG
Thermal Infrared1 Count 10.8 um
LIB FULL DISK

21-10-2024/(0845 to 0912) GMT
21-10-2024/(1415 to 1442) IST



SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SRI LANKA PALK STR GULF OF MANNAR NEPAL TIBET CHINA YELLOW SEA EAST CHINA SEA MYANMAR THAILAND GULF OF THAILAND CAMBODIA LAOS VIETNAM GULF OF TONKIN SUMATRA STR OF MALACCA MALAYSIA BORNEO SOUTH CHINA SEA JAVA ILS & SEA CELEBES ILS & SEA PHILIPPINES SULU SEA MADAGASCAR AND OVER INDIAN OCEAN BET EQ TO LAT 5.0N LONG 70.0E TO 100.0E AND BET EQ TO LAT 18.0S LONG 55.0E TO 90.0E (.)

TOO 21/1530 HRS IST=

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
	ISOL	ISOLATED (LESS THAN 25%)

CLOUD DISTRIBUTION	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