



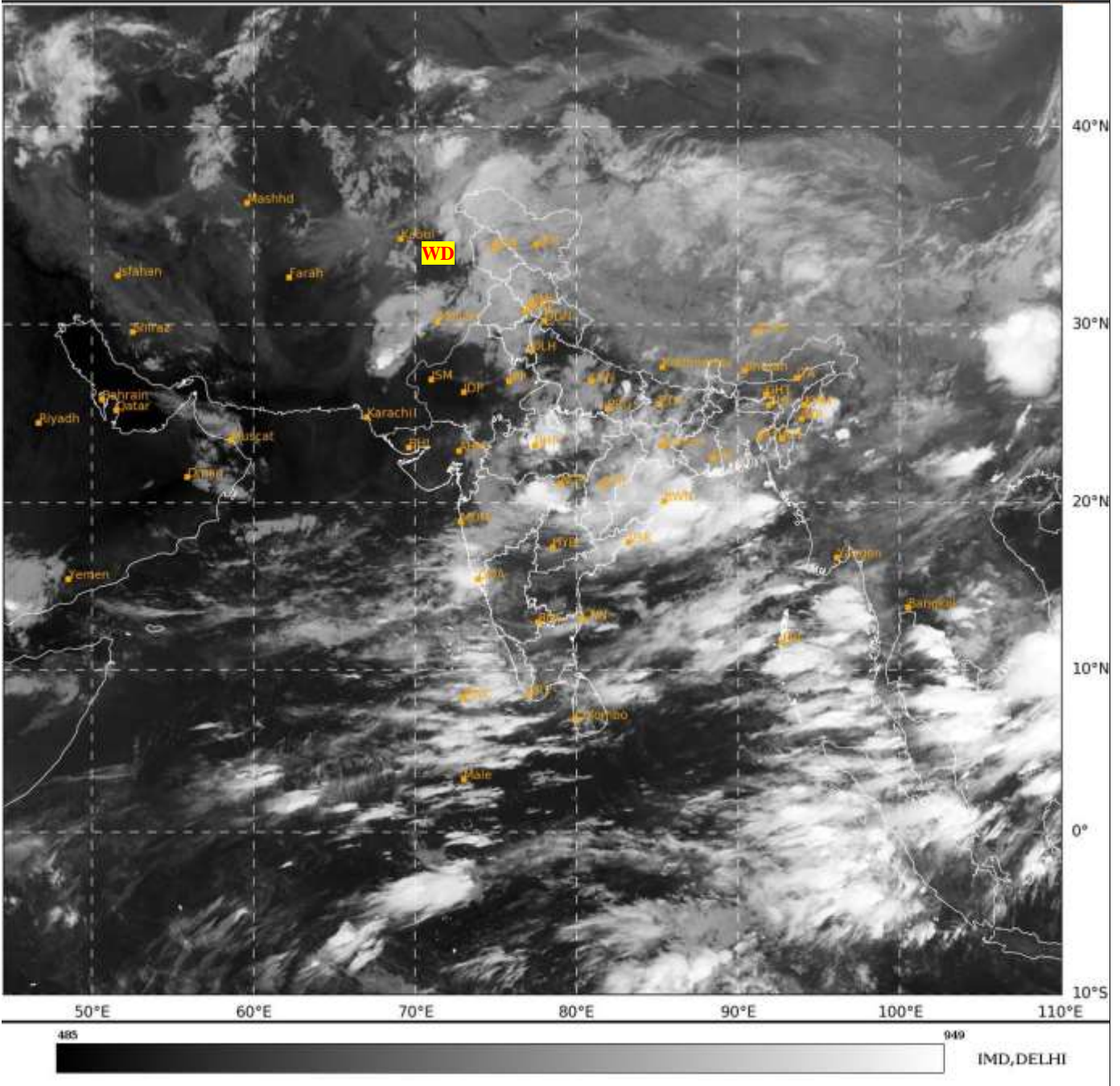
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय
India Meteorological Department
Ministry of Earth Sciences



**SATELLITE BULLETIN BASED ON SATELLITE
IMAGERIES AND PRODUCTS**
20.06.2024 TIME 2100 UTC

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

20-06-2024/(2115 to 2142) GMT
21-06-2024/(0245 to 0312) IST



TCIN50 DEMS 202100

SATELLITE BULLETIN BASED ON INSAT-3DR PIC OF 202115 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 E AFGAN PAK J&K LADAKH HP UTRKND PJB HARY DLH N RAJ UP AND N/HOOD IN ASSW **WD** OVER THE AREA (.)

CONVECTIVE / THUNDERSTORM ACTIVITY:-

INTENSE TO VERY INTENSE CONVECTIVE / THUNDERSTORM ACTIVITY OBSERVED OVER E ORS COTL GWB MP VID S KKN GOA N TLNGN ANDAMAN & NICOBAR ILS AREA (MINIMUM **CTT** MINUS 75-93 DEG CEL) (.)



INSAT-3DR 20-JUN-2024 21:15 WV IMG

WATER VAPOUR WIND

(1Kt = 0.5 m/s)

10 Kt

15 Kt

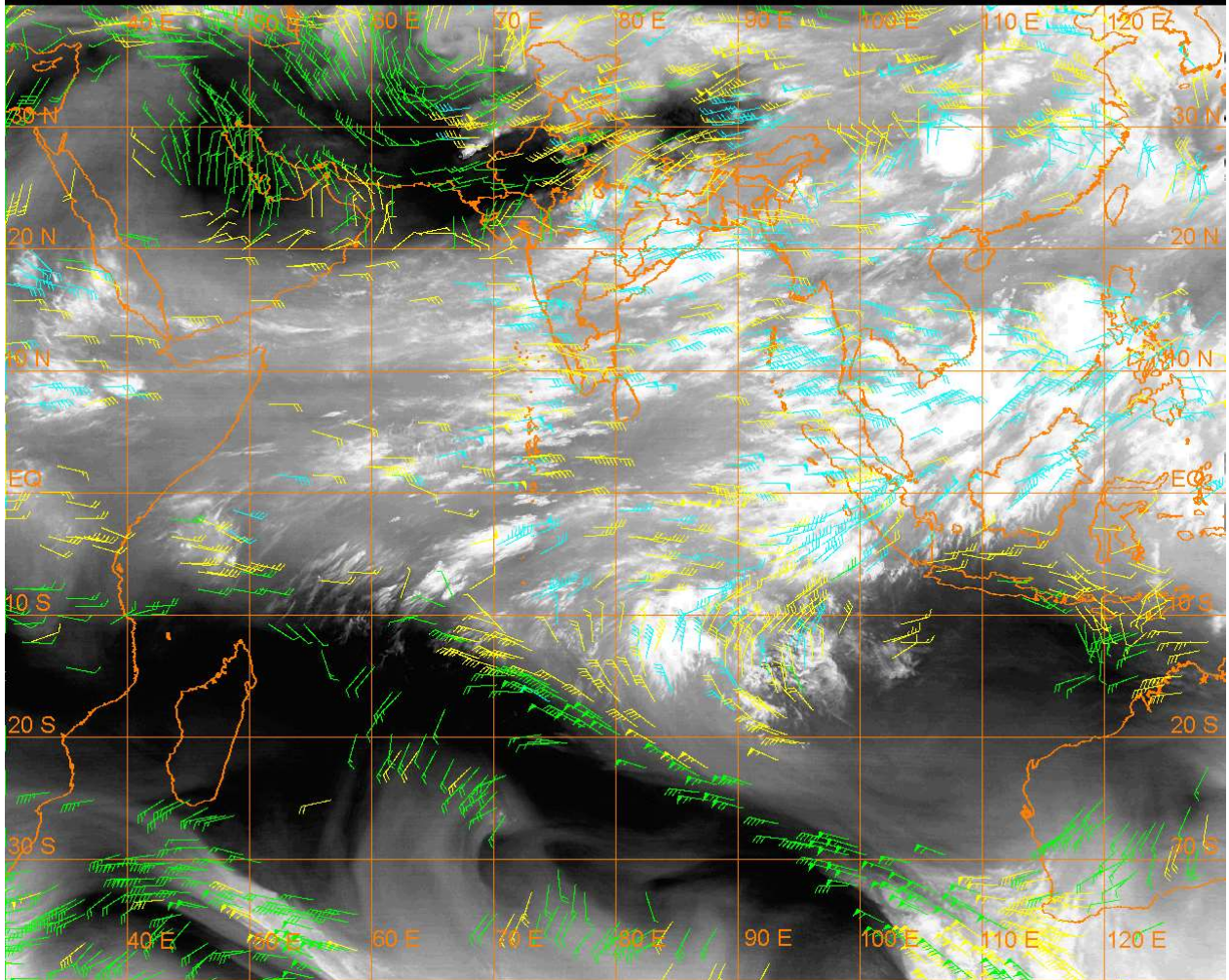
20 Kt

50 Kt

100-250 hPa

251-350 hPa

351-500 hPa



CLOUDS DESCRIPTION WITHIN INDIA:-

NORTH:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER LADAKH J&K UP (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER HP UTRKND PJB HARY DLH (.)

EAST:-

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER E ORS COTL GWB (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER BHR JHRKND CHTGH W ORS NAGA MANI S BD AND WK TO MOD CONVTN OVER REST GWB SHWB SKM REST NE STATES N BD (.)

WEST:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER MP VID S KKN GOA (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER NW & E RAJ E GUJ REST MAHA (.) SCT LOW/MED CLOUDS OVER SW RAJ W GUJ (.)

SOUTH:-

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

ARABIAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER EC & SE ARSEA LKSDP ILS AREA MALDIVES & COMORIN AREA (.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER WEST ARSEA (.)

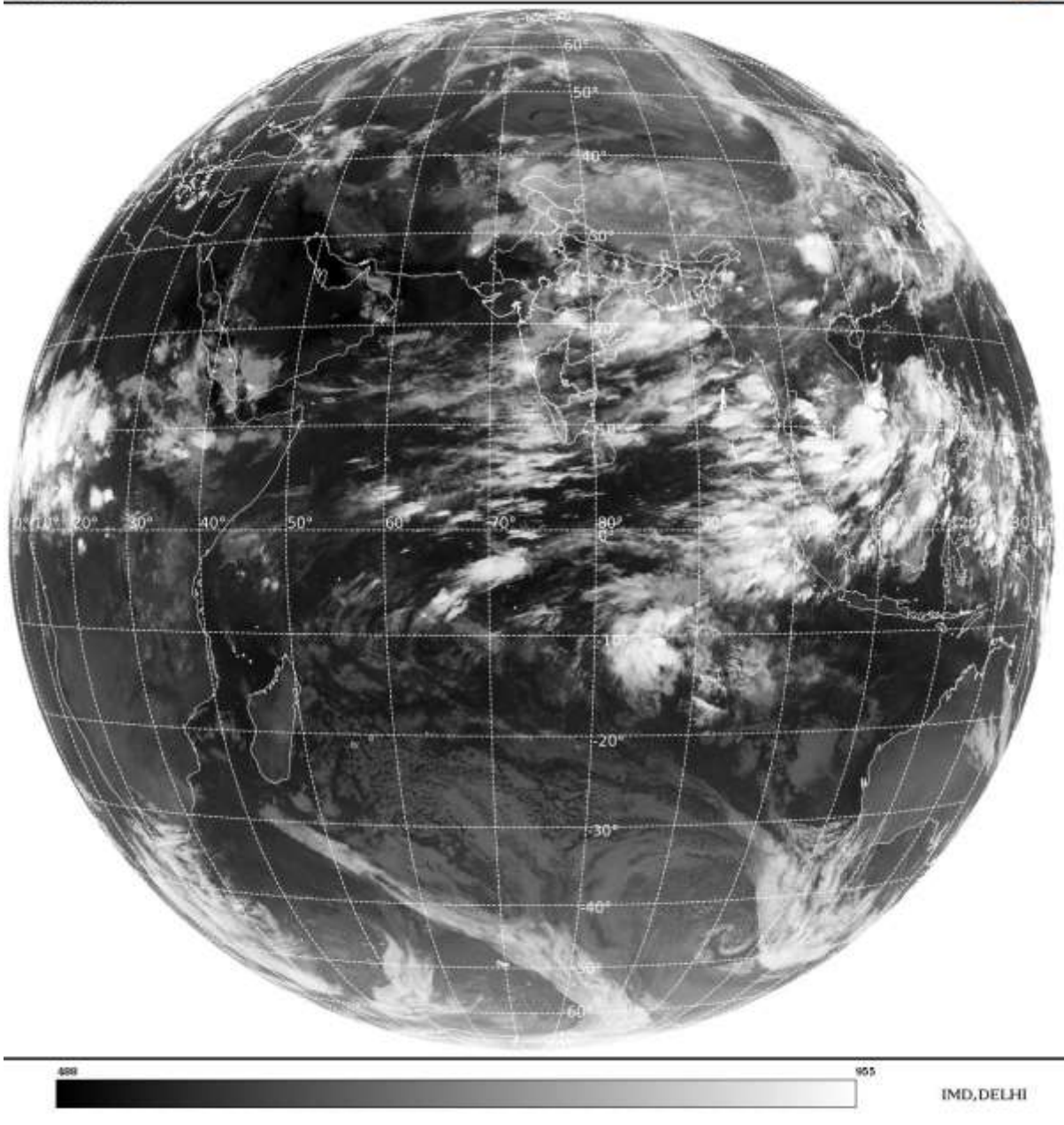
BAY OF BENGAL & ANDAMAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER BAY AND ANDAMAN SEA (MINIMUM CTT MINUS 80-93 DEG CEL) (.)

CLOUDS DESCRIPTION OUTSIDE INDIA:-

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

20-06-2024/(2115 to 2142) GMT
21-06-2024/(0245 to 0312) IST



SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONV TN OVER SRI LANKA PALK STR GULF OF MANNAR MALDIVES PAK NEPAL TIBET CHINA YELLOW SEA EAST CHINA SEA TAIWAN MYANMAR THAILAND GULF OF THAILAND CAMBODIA LAOS VIETNAM GULF OF TONKIN SUMATRA STR OF MALACCA MALAYSIA BORNEO SOUTH CHINA SEA JAVA SEA CELEBES ILS & SEA PHILIPPINES SULU SEA AND OVER INDIAN OCEAN BET LAT 5.0N TO 10.0S LONG 45.0E TO 105.0E AND BET LAT 10.0S TO 20.0S LONG 80.0E TO 100.0E (.)

TOO 21/0430 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 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