



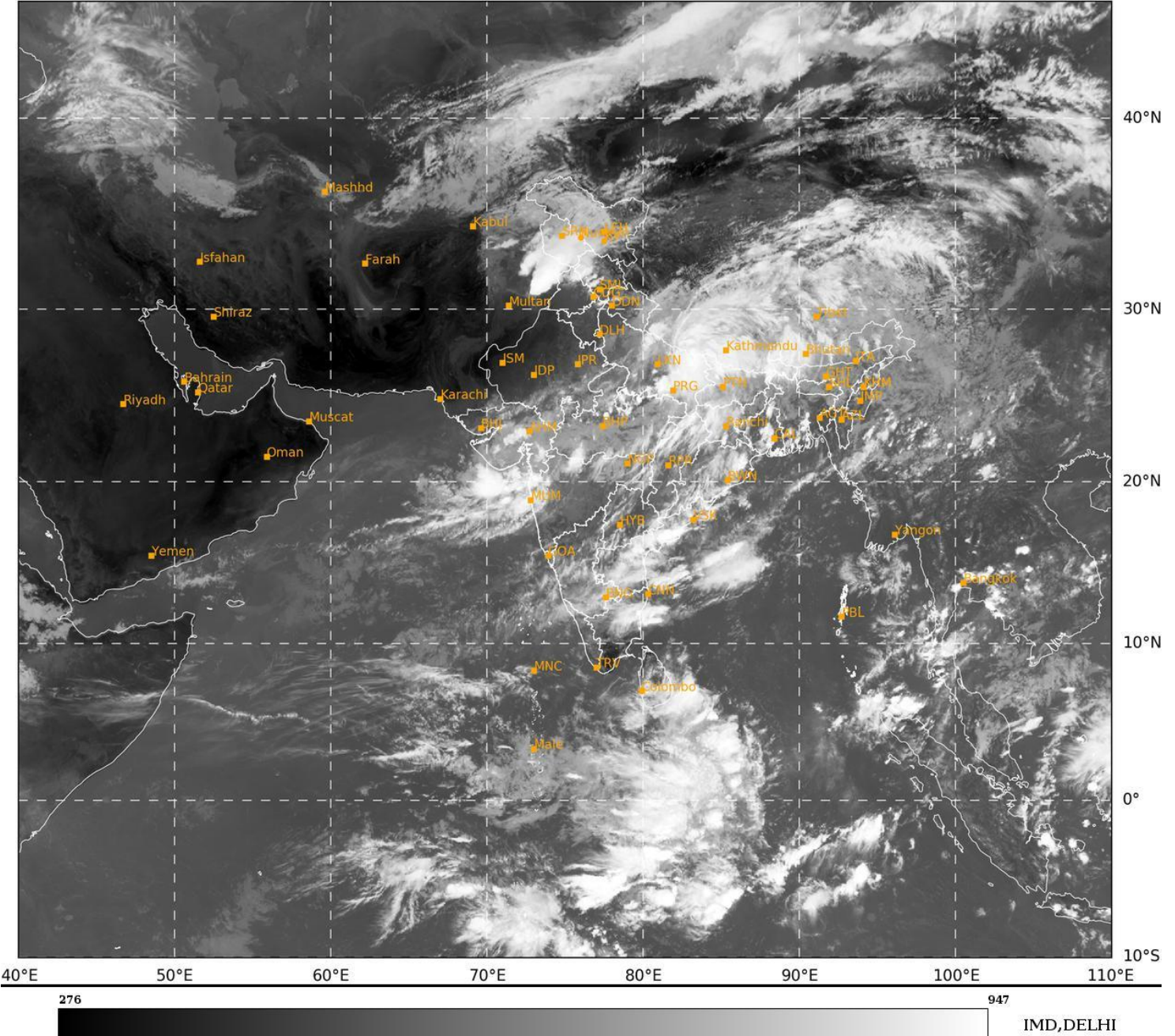
भारत मौसम विज्ञान विभाग
 पृथ्वी विज्ञान मंत्रालय
 India Meteorological Department
 Ministry of Earth Sciences



**SATELLITE BULLETIN BASED ON SATELLITE
 IMAGERIES AND PRODUCTS**
27.09.2024 TIME 0600 UTC

SAT : INSAT-3DR IMG
 IMG_TIR1 10.8 um
 L1C Mercator

27-09-2024/(0615 to 0642) GMT
 27-09-2024/(1145 to 1212) IST



TCIN50 DEMS 270600

SATELLITE BULLETIN BASED ON INSAT-3DR PIC OF 270545 UTC (.)

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

SALIENT FEATURES:-

CONVECTIVE / THUNDERSTORM ACTIVITY:-

INTENSE TO VERY INTENSE CONVECTIVE / THUNDERSTORM ACTIVITY OBSERVED OVER E UP N BHR NE ORS N COTL AP (MINIMUM **CTT MINUS 70-93 DEG CEL**) (.)

MODERATE TO INTENSE CONVECTIVE / THUNDERSTORM ACTIVITY OBSERVED OVER NW LADAKH J&K W HP SW UTRKND NW PJB S BHR JHRKND CHTGH REST ORS GWB SHWB SKM W ARUPR MP S GUJ NORTH MADHYA MAHA VID N KKN SIK RYLSM S COTL AP NE TN (MINIMUM **CTT MINUS 50-70 DEG CEL**) (.)



INSAT-3DR 27-SEP-2024 06:15 WV IMG

WATER VAPOUR WIND

(1Kt = 0.5 m/s)

10 Kt

15 Kt

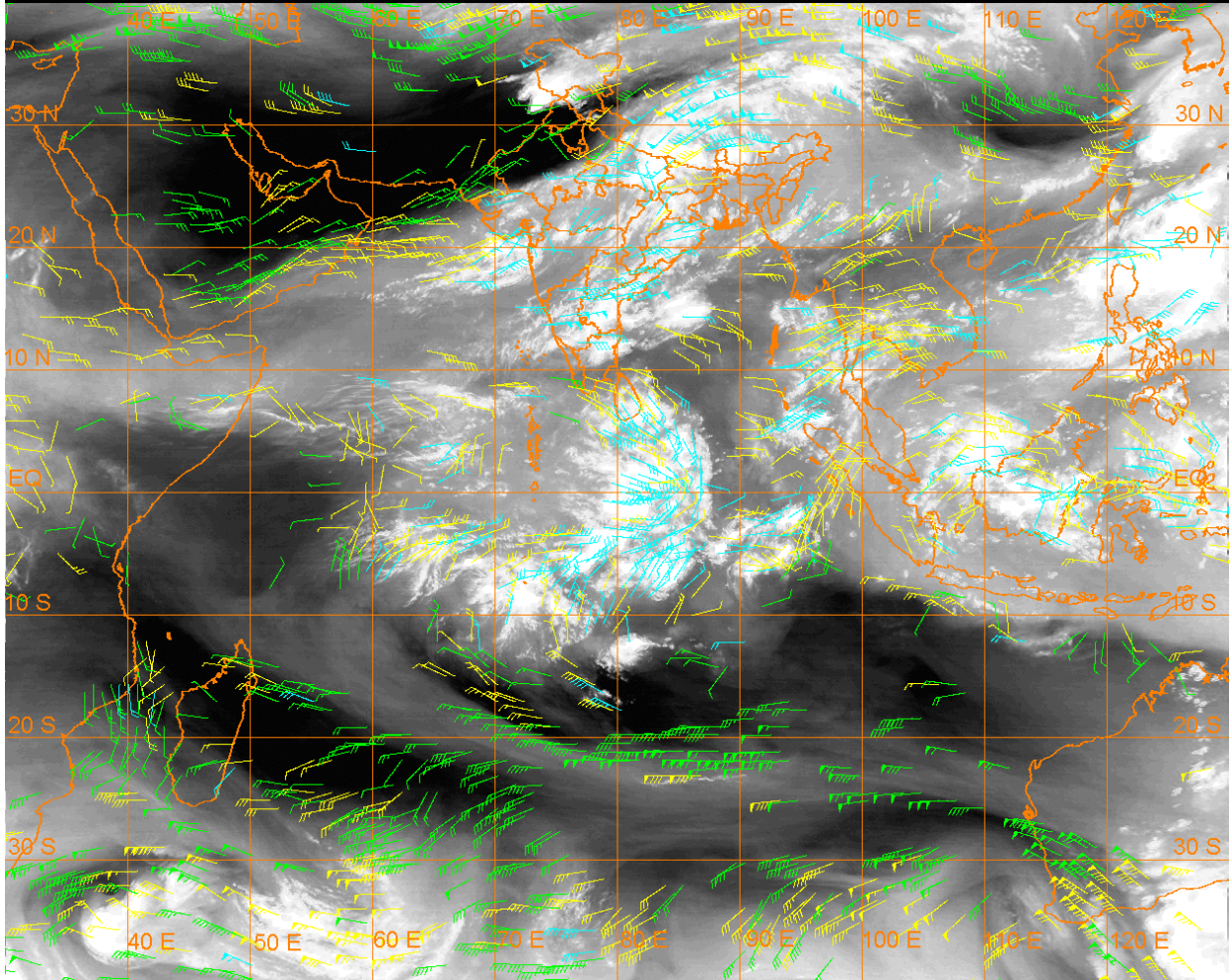
20 Kt

50 Kt

100-250 hPa

251-350 hPa

351-500 hPa



CLOUDS DESCRIPTION WITHIN INDIA:-

NORTH:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER E UP (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER NW LADAKH J&K W HP SW UTRKND NW PJB AND ISOL WK TO MOD CONVTN OVER REST LADAKH E HP REST UTRKND EXT N HARY W UP (.) SCT LOW/MED CLOUDS OVER S PJB REST HARY DLH (.)

EAST:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER N BHR NE ORS (.) SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER S BHR JHRKND CHTGH REST ORS GWB SHWB SKM W ARUPR AND WK TO MOD CONVTN OVER REST NORTH-EAST STATES (.)

WEST:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER MP S GUJ NORTH MADHYA MAHA VID N KKN AND WK TO MOD CONVTN OVER SE RAJ N GUJ S KKN GOA (.) SCT LOW/MED CLOUDS OVER REST RAJ SOUTH MADHYA MRTHWD (.)

SOUTH:-

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

ARABIAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER NE ARSEA OFF GUJ COASTS & GULF OF CAMBAY (MINIMUM CTT MINUS 75-85 DEG CEL) (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER EC ARSEA OFF MAHA COAST ISOL WK TO MOD CONVTN OVER REST EC & SOUTH ARSEA & LKSDP ILS AREA MALDIVES & AND COMORIN AREA (.)

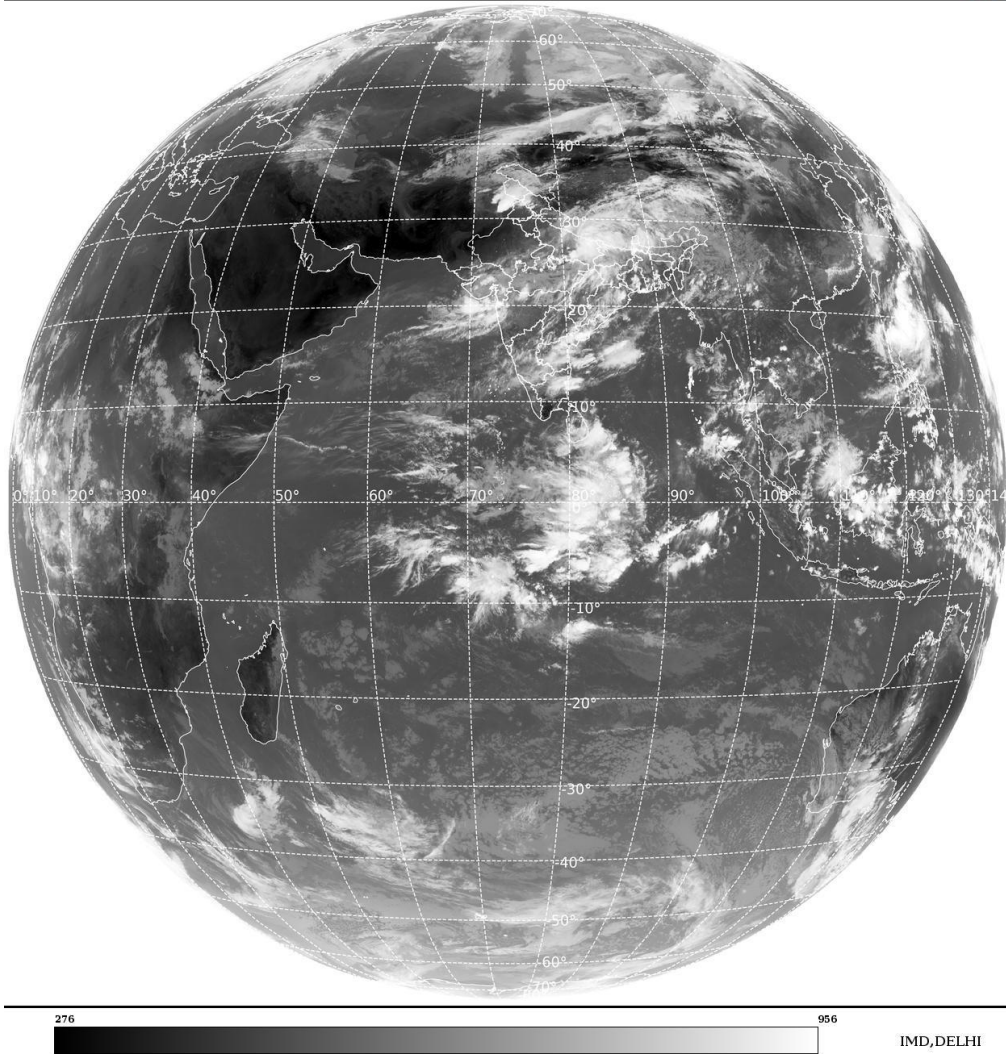
BAY OF BENGAL & ANDAMAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER WC & SW BAY (MINIMUM CTT MINUS 80-93 DEG CEL) (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER NORTH BAY SOUTH ANDAMAN SEA AND ISOL WK TO MOD CONVTN OVER EC BAY (.)

CLOUDS DESCRIPTION OUTSIDE INDIA:-

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

27-09-2024/(0615 to 0642) GMT
27-09-2024/(1145 to 1212) IST



SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SRI LANKA MALDIVES N PAK NEPAL BHUTAN TIBET CHINA YELLOW SEA EAST CHINA SEA TAIWAN MYANMAR THAILAND GULF OF THAILAND CAMBODIA LAOS S VIETNAM 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 16.0S LONG 60.0E TO 100.0E (.)

TOO 27/1245 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%)
	SCT	SCATTERED (25 TO 50%)

CLOUD DISTRIBUTION	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