



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

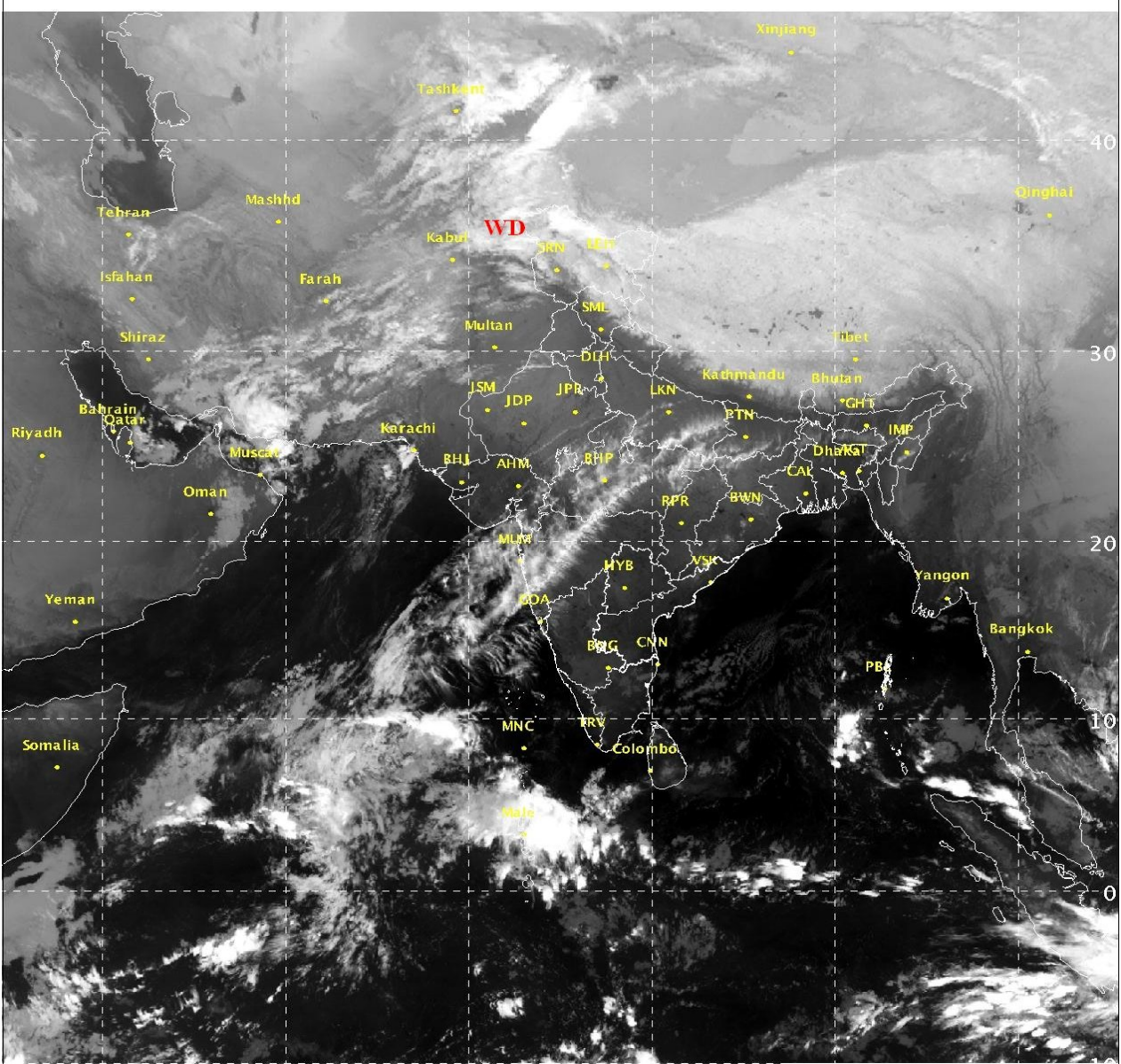


**SATELLITE BULLETIN BASED ON SATELLITE IMAGERIES  
AND PRODUCTS**

**17.12.2017 TIME 2100 UTC**

SAT :INSAT-3D IMG  
IMG\_TIR1 10.8 um  
LIC Mercator (LINEAR STRETCH: 1.0% )

17-12-2017/21:00 GMT  
18-12-2017/02:30 IST



547

855

IMD/Delhi

TCIN50 DEMS 172100

SATELLITE BULLETIN BASED ON INSAT PIC OF 172100 UTC (.)

REGION COVERED BETWEEN LAT 50.0°N TO 30.0°S AND LONG 40.0°E TO 125.0°E (.)

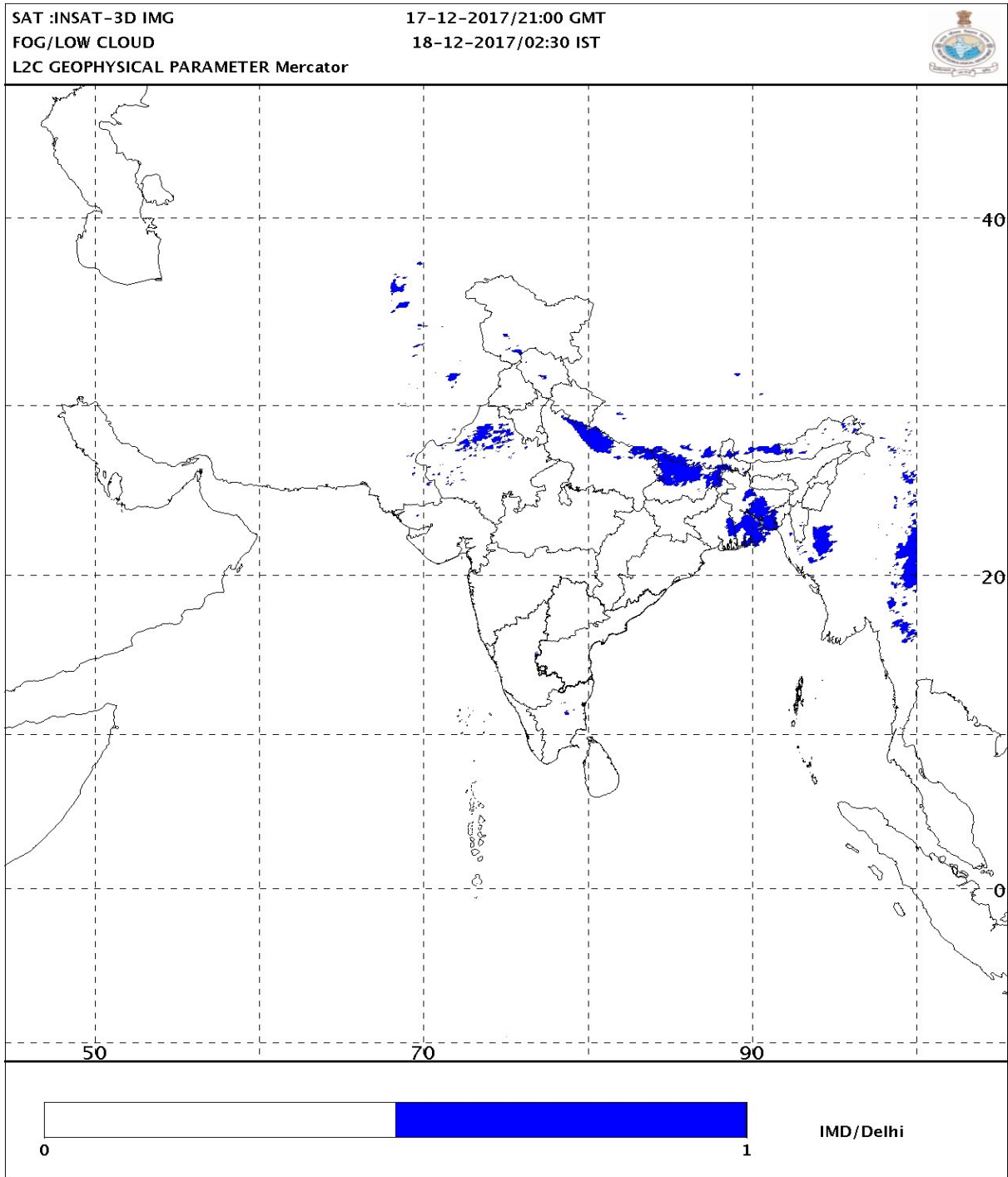
**SALIENT FEATURES :-**

**WESTERN DISTURBANCE (WD):-**

SCT M/LAYERED CLOUDS OVER SE IRAN AFGAN ADJ PAK J&K IN ASSW WD OVER THE AREA (.)

**FOG :-**

**SCT FOG/LOW CLOUDS OVER N UP N BHR ADJ SHWB ADJ NEPAL & S BD (.)**



**CLOUDS DESCRIPTIONS WITHIN INDIA:-**

**NORTH:-**

**SCT LOW/MED CLOUDS OVER HP UTRKND (.) SCT MED/HIGH CLOUDS OVER S UP (.)**

**EAST:-**

**SCT LOW/MED CLOUDS OVER SKM ARUPR ASSAM MEGHA NAGA MANI & N BD (.) SCT MED/HIGH CLOUDS OVER N JHRKND S BHR (.)**

**WEST**

**SCT MED/HIGH CLOUDS OVER E GUJ SE RAJ MP MAHA & GOA (.)**

**SOUTH:-**

**SCT LOW/MED CLOUDS OVER KER TN LKSDP & BAY ISLANDS (.)**

**ARABIAN SEA:-**

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SE ARSEA ADJ INDIAN OCEAN BET EQ TO LAT 10.0N LONG 60.0E TO 78.0E (.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER EC ADJ SE ARSEA (.)

**BAY OF BENGAL & ANDAMAN SEA:**

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

**CLOUDS DESCRIPTION OUTSIDE INDIA:-**

**VORTEX :-**

VORTEX OVER S CHINA SEA & N/HOOD CENTRED NEAR **11.0N/120.0E** (.) INTENSITY **T1.0** (.) ASSTD BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER S CHINA SEA BET LAT 10.0N TO 15.0N LONG 115.0E TO 120.0E & N PHILIPPINES (.)

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SUMATRA S CHINA SEA BORNEO JAVA ILS & SEA CELEBES ILS & SEA MAKASSAR STR SULU SEA MINDANAO PHILIPPINES MADAGASCAR N MOZAMBIQUE CHANNEL (.)

TOO: 18/0430EF=

NNNN

**LEGEND:-**

CLOUD DISTRIBUTION	ISOL	ISOLATED (LESS THAN 25%)
	SCT	SCATTERED (25 TO 50%)
	BKN	BROKEN (51 TO 75%)
	SLD	SOLID (GREATER THAN 75%)
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	INTENSE CONVECTION (CTT BETWEEN -

	CONVTN	41°C TO -70°C)
	V INT CONVTN	VERY INTENSE CONVECTION (CTT LESS THAN -70°C)
<b>METEOROLOGICAL SUB-DIVISION, STATES, &amp; 5 UTS</b>	ARUPR	ARUNACHAL PRADESH
	BHR	BIHAR
	CHTGH	CHHATTISGARH
	COTL AP	COASTAL ANDHRA PRADESH
	COT L KRNTK	COASTAL KARNATAKA
	COTL ORS	COASTAL ORISSA
	GUJ	GUJARAT
	GWB	GANGETIC WEST BENGAL
	HARY	HARYANA
	HP	HIMACHAL PRADESH
	J&K	JAMMU AND KASHMIR
	JHRKND	JHARKHAND
	KER	KERAL
	KKN	KONKAN
	LKSDP	LAKSHADWEEP
	M MAHA	MADHYA MAHARASHTRA
	MAHA	MAHARASHTRA
	MANI	MANIPUR
	MEGHA	MEGHALAYA
	MIZO	MIZORAM
	MP	MADHYA PRADESH
	MRTHWD	MARATHWADA
	NAGA	NAGALAND
		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	

	<b>TLNGN</b>	<b>TELANGANA</b>
	<b>TN</b>	<b>TAMIL NADU</b>
	<b>TRP</b>	<b>TRIPURA</b>
	<b>UP</b>	<b>UTTAR PRADESH</b>
	<b>UTRKND</b>	<b>UTTARAKHAND</b>
	<b>VID</b>	<b>VIDHARBHA</b>
	<b>WB</b>	<b>WEST BENGAL</b>
	<b>ARSEA</b>	<b>ARABIAN SEA</b>
	<b>ILS</b>	<b>ISLANDS</b>
<b>MISCELLANEOUS</b>	<b>ASSW</b>	<b>IN ASSOCIATION WITH</b>
	<b>ASSTD</b>	<b>ASSOCIATED</b>
	<b>CIR</b>	<b>CIRCULATION</b>
	<b>EMBDD</b>	<b>EMBEDDED</b>
	<b>N/HOOD</b>	<b>NEIGHBOURHOOD</b>
	<b>EXT</b>	<b>EXTREME</b>