

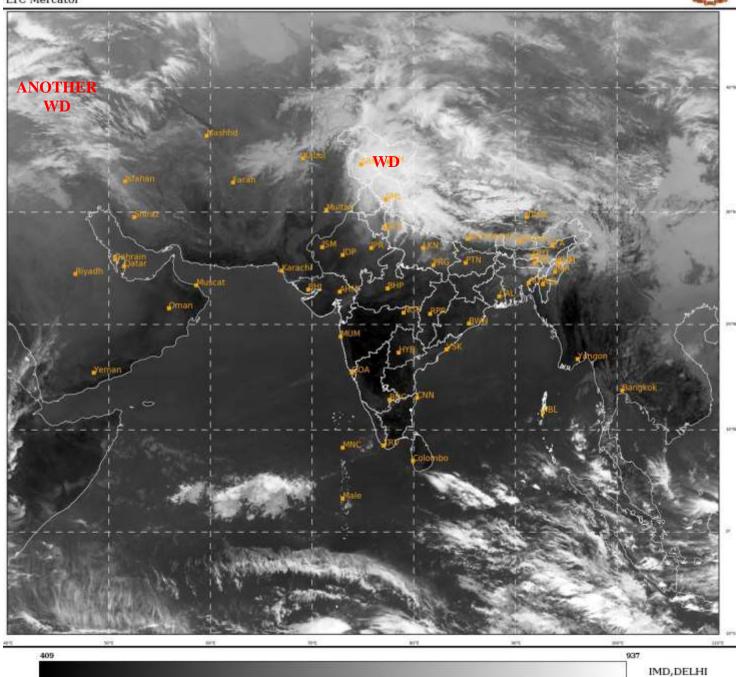
# भारत मौसम विज्ञान विभाग पृथ्वी विज्ञान मंत्रालय India Meteorological Department Ministry of Earth Sciences



# SATELLITE BULLETIN BASED ON SATELLITE IMAGERIES AND PRODUCTS 03.02.2022 TIME 0600 UTC

SAT : INSAT-3D IMG IMG\_TIR1 10.8 um L1C Mercator 03-02-2022/(0600 to 0627) GMT 03-02-2022/(1130 to 1157) IST





**TCIN50 DEMS 030600** 

SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 030600 UTC (.) REGION COVERED BETWEEN LAT 50.0°N TO 30.0°S AND LONG 40.0°E TO 125.0°E (.)

# **SALIENT FEATURES:-**

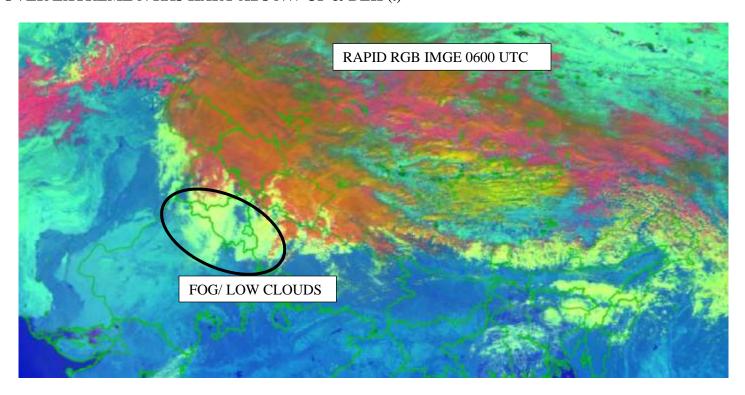
## **WESTERN DISTURBANCE (WD):-**

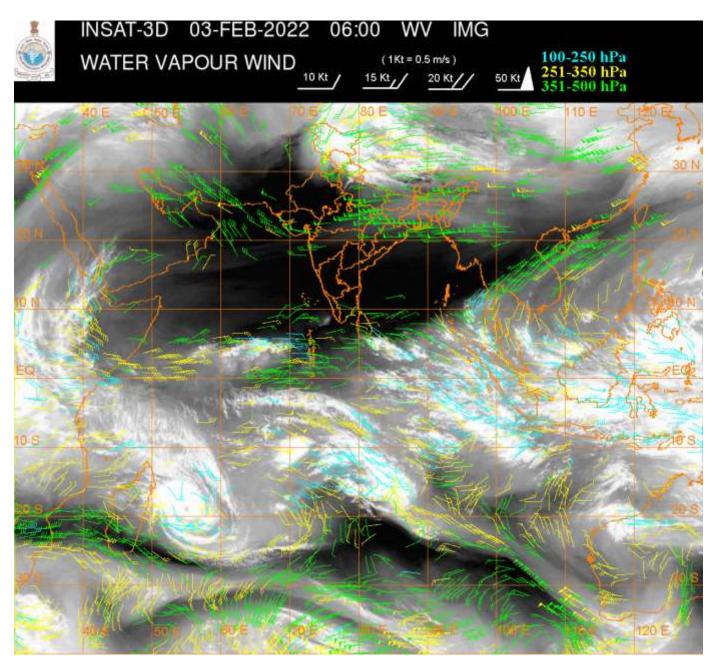
SCT MULTILAYERED CLOUDS OVER EXTREME NE PAK LADAKH J&K HP UTRKND PJB HARY DLH N UP NEPAL TIBET ADJ CHINA IN ASSW WD OVER THE AREA (.)

SCT MULTILAYERED CLOUDS OVER CASPIAN SEA NW IRAN AND N/HOOD IN ASSW ANOTHER WD OVER THE AREA (.)

## **FOG/LOW CLOUDS:-**

DAY MICROPHYSICS PRODUCT OF INSAT -3D AT 0600 UTC INDICATES SCT FOG/LOW CLOUDS OVER EXTREME N RAJ HARY ADJ NW UP & DLH (.)





## **CLOUDS DESCRIPTION WITHIN INDIA:-**

## **NORTH:**-

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

#### **EAST:-**

SCT LOW/MED CLOUDS OVER WITH EMBDD ISOL WK TO MOD CONVTN OVER SKM ARUPR ASSAM MEGHA NAGA MANI (.) SCT LOW/MED CLOUDS OVER NW BHR E ORS GWB SHWB REST NE STATES (.)

#### **WEST:-**

SCT LOW/MED CLOUDS OVER EXTREME N RAJ SE GUJ (.)

## **SOUTH:-**

SCT LOW/MED CLOUDS WITH EMBDD ISOL WK CONVTN OVER NICOBAR ILS (.) SCT LOW/MED CLOUDS OVER E TLNGN N COTL AP SIK KER W TN & ANDAMAN ILS (.)

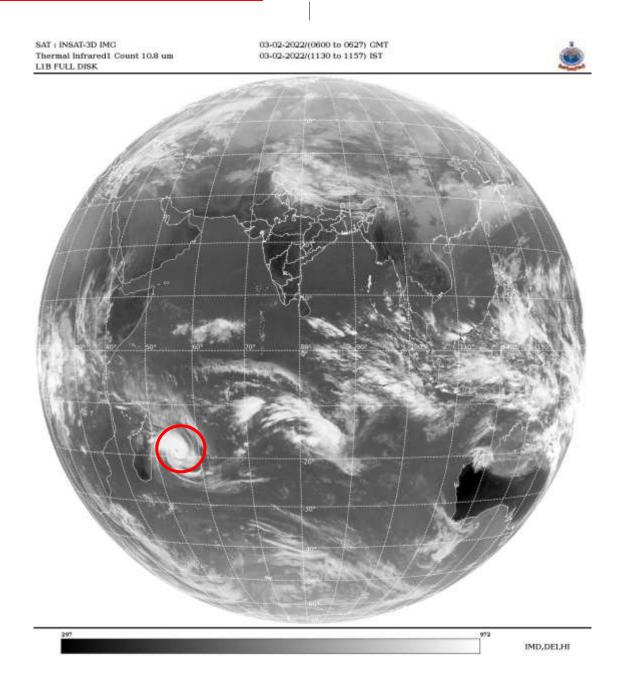
#### **ARABIAN SEA:-**

SCT LOW/MED CLOUDS OVER SOUTH ARSEA (.)

#### **BAY OF BENGAL & ANDAMAN SEA:-**

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER EXTREME S BAY ADJ EQUTORIAL INDIA OCEAN & SOUTH ANDAMAN SEA (.) SCT LOW/MED CLOUDS OVER REST SOUTH BAY (.)

#### **CLOUDS DESCRIPTION OUTSIDE INDIA:-**



#### **VORTEX (BATSIRAI) OVER SOUTH INDIAN OCEAN:-**

VORTEX (BATSIRAI) OVER SOUTH INDIAN OCEAN CENTERED NEAR 19.08 / 55.3E (.) INTENSITY T5.5/6.0 (.) ASSTD BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER AREA BET LAT 15.0S TO 22.0S LONG 52.0E TO 58.0E (.)

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER NEPAL TIBET CHINA SUMATRA STR OF MALACCA MALASIYA BORNEO ADJ SOUTH CHINA SEA JAVA SEA CELEBES ILS & SEA PHILIPPINES E CHIN ASEA N MADAGASCAR N MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET LAT 5.0N TO 10.0S LONG 60.0E TO 105.0E AND BET LAT 10.0S TO 25.0S LONG 50.0E TO 90.0E (.)

**TOO 03/1240 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	CTT	CLOUD TOP TEMPERATURE
TEMPERATURE		
	WK CONVTN	WEAK CONVECTION
CONVECTION		(CTT GREATER THAN –25°C)
CONVECTION	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

M MAHA MADHYA MAHARASHTRA MAHA MAHA MAHARASHTRA MANI MANIPUR MEGHA MEGHALAYA MIZO MIZORAM MP MADHYA PRADESH MRTHWD MARATHWADA NAGA NAGALAND N COTLAP 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 UTTARAKHAND VID VIDHARBHA SIIWB SUB HIMALAYAN WEST BENGAL SIWB GANGETIC WEST BENGAL GWB GANGETIC WEST BENGAL ARSEA ARABIAN SEA  ILS ISLANDS MISCELLANEOUS MISCELLANEOUS MISCELLANEOUS NHOOD NEIGHBOURHOOD EXT EXTREME		LKSDP	LAKSHADWEEP
MANI MANIPUR MEGHA MEGHALAYA MIZO MIZORAM MIP 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 ASSOCIATED LLC LOW LEVEL CIRCULATION EMBDD EMBEDDED N/HOOD NEIGHBOURHOOD		M MAHA	MADHYA MAHARASHTRA
MEGHA   MEGHALAYA     MIZO		МАНА	MAHARASHTRA
MIZO		MANI	MANIPUR
MP   MADHYA PRADESH		MEGHA	MEGHALAYA
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  MISCELLANEOUS  MISCELLANEOUS  MISCELLANEOUD  LLC LOW LEVEL CIRCULATION  EMBDD EMBEDDED  N/HOOD NEIGHBOURHOOD		MIZO	MIZORAM
NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA PJB PUNJAB RAJ RAJASTHAN RYLSM RAYALASEEMA SAU & KUTCH SHWB SUB-HIMALAYAN WEST BENGAL SIK SIK SOUTH INTERIOR KARNATAKA SKM SIKKIM TINGN TELANGANA TN TAMIL NADU TRP TRIPURA UP UTTAR PRADESH UTRKND UTTARAKHAND VID VIDHARBHA SHWB SUB HIMALAYAN WEST BENGAL GWB GANGETIC WEST BENGAL GWB GANGETIC WEST BENGAL ARSEA ARABIAN SEA ILS ISLANDS MISCELLANEOUS ASSW IN ASSOCIATED LLC LOW LEVEL CIRCULATION EMBDD EMBEDDED N/HOOD NEIGHBOURHOOD		MP	MADHYA PRADESH
N COTL AP  NORTH COASTAL ANDHRA PRADESH  NIK  NORTH INTERIOR KARNATAKA  ORS  ORS  ORISSA  PJB  PJB  PUNJAB  RAJ  RAJ  RAJASTHAN  RYLSM  RAYALASEEMA  SAU & KUTCH  SHWB  SUB-HIMALAYAN WEST BENGAL  SIK  SOUTH INTERIOR KARNATAKA  SKM  SIKKIM  TLNGN  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  ILS  ISLANDS  MISCELLANEOUS  ASSW  IN ASSOCIATED  LLC  LOW LEVEL CIRCULATION  EMBDD  EMBEDDED  N/HOOD  NEIGHBOURHOOD		MRTHWD	MARATHWADA
N COTL AP  NORTH COASTAL ANDHRA PRADESH  NIK  NORTH INTERIOR KARNATAKA  ORS  ORS  ORISSA  PJB  PJB  PUNJAB  RAJ  RAJ  RAJASTHAN  RYLSM  RAYALASEEMA  SAU & KUTCH  SHWB  SUB-HIMALAYAN WEST BENGAL  SIK  SOUTH INTERIOR KARNATAKA  SKM  SIKKIM  TLNGN  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  ILS  ISLANDS  MISCELLANEOUS  ASSW  IN ASSOCIATED  LLC  LOW LEVEL CIRCULATION  EMBDD  EMBEDDED  N/HOOD  NEIGHBOURHOOD		NAGA	NAGALAND
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  MISCELLANEOUS  ASSW IN ASSOCIATED  LLC LOW LEVEL CIRCULATION  EMBDD EMBEDDED  N/HOOD NEIGHBOURHOOD			
ORS		N COTL AP	NORTH COASTAL ANDHRA PRADESH
PIB		NIK	NORTH INTERIOR KARNATAKA
RAJ   RAJASTHAN		ORS	ORISSA
RYLSM		РЈВ	PUNJAB
SAU & KUTCH   SAURASHTRA & KUTCH		RAJ	RAJASTHAN
SHWB   SUB-HIMALAYAN WEST BENGAL		RYLSM	RAYALASEEMA
SIK   SOUTH INTERIOR KARNATAKA		SAU & KUTCH	SAURASHTRA & KUTCH
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		SHWB	SUB-HIMALAYAN WEST BENGAL
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MISCELLANEOUS  ASSW IN ASSOCIATION WITH  ASSTD ASSOCIATED  LLC LOW LEVEL CIRCULATION  EMBDD EMBEDDED  N/HOOD NEIGHBOURHOOD		ARSEA	ARABIAN SEA
ASSTD ASSOCIATED  LLC LOW LEVEL CIRCULATION  EMBDD EMBEDDED  N/HOOD NEIGHBOURHOOD		ILS	ISLANDS
LLC LOW LEVEL CIRCULATION  EMBDD EMBEDDED  N/HOOD NEIGHBOURHOOD	MISCELLANEOUS	ASSW	IN ASSOCIATION WITH
EMBDD EMBEDDED  N/HOOD NEIGHBOURHOOD		ASSTD	ASSOCIATED
N/HOOD NEIGHBOURHOOD		LLC	LOW LEVEL CIRCULATION
		EMBDD	EMBEDDED
EXT EXTREME		N/HOOD	NEIGHBOURHOOD
		EXT	EXTREME