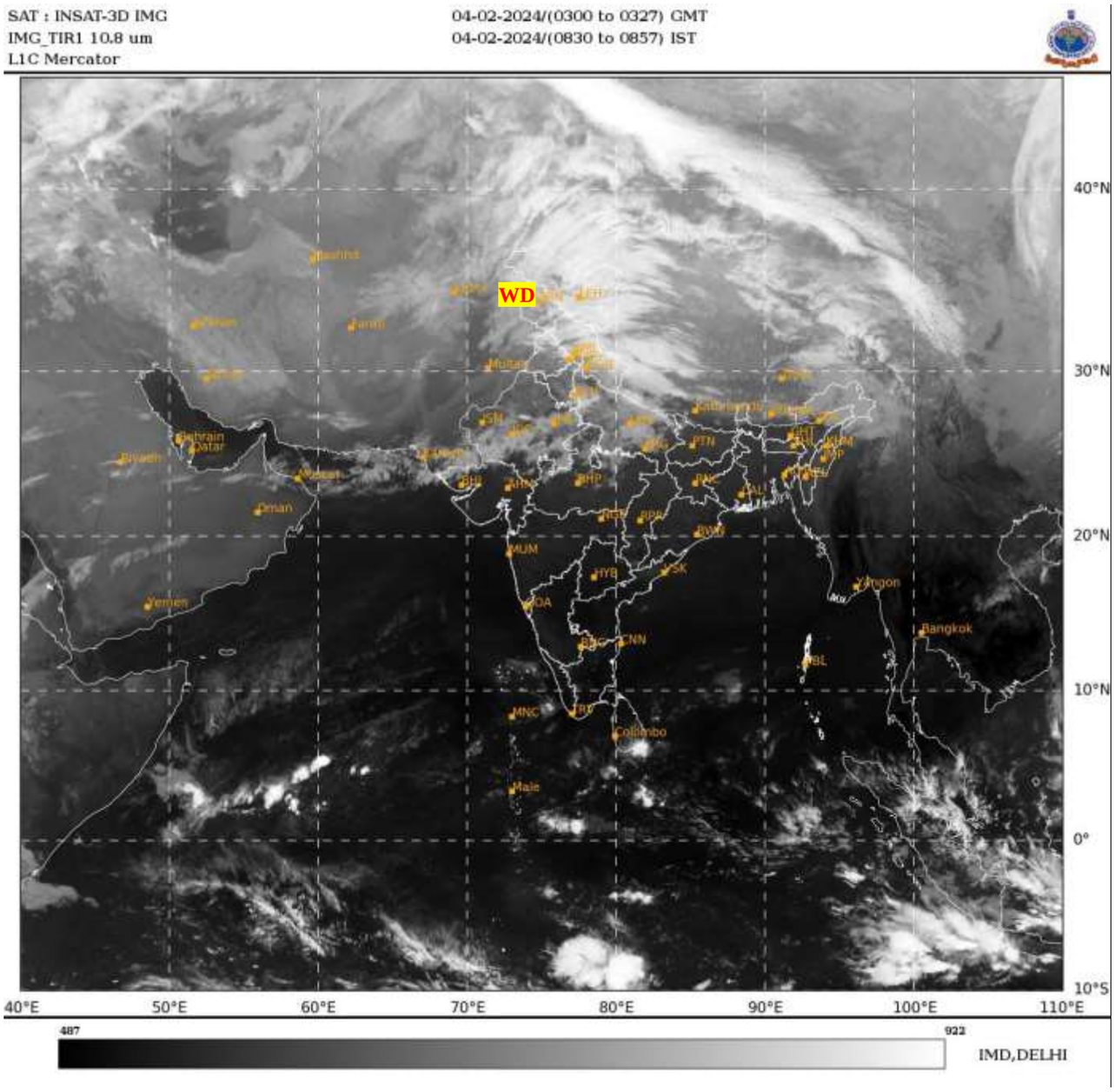
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय
India Meteorological Department
Ministry of Earth Sciences

# SATELLITE BULLETIN BASED ON SATELLITE IMAGERIES AND PRODUCTS

## 04.02.2024 TIME 0300 UTC




**TCIN50 DEMS 040300**
**SATELLITE BULLETIN BASED ON INSAT- 3D PIC OF 040300 UTC (.)**
**REGION COVERED BETWEEN LAT 50.0ºN TO 35.0ºS AND LONG 40.0ºE TO 125.0ºE (.)**

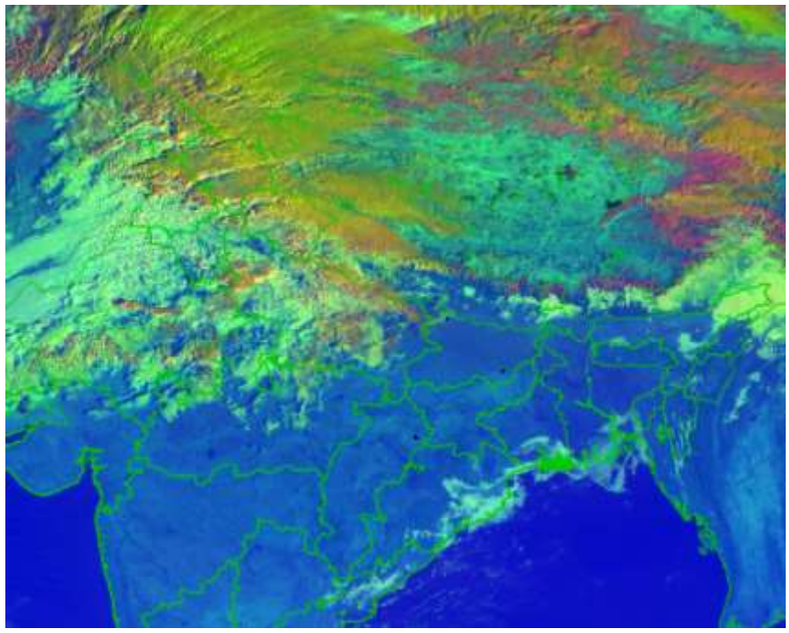
## SALIENT FEATURES:-

## WESTERN DISTURBANCE:-

**SCT TO BKN MULTILAYERED CLOUDS OVER E AFGAN PAK LADAKH J&K HP PJB HARY DLH RAJ N GUJ N MP UP UTRKND NEPAL TIBET ADJ CHINA IN ASSW WD OVER THE AREA (.)**

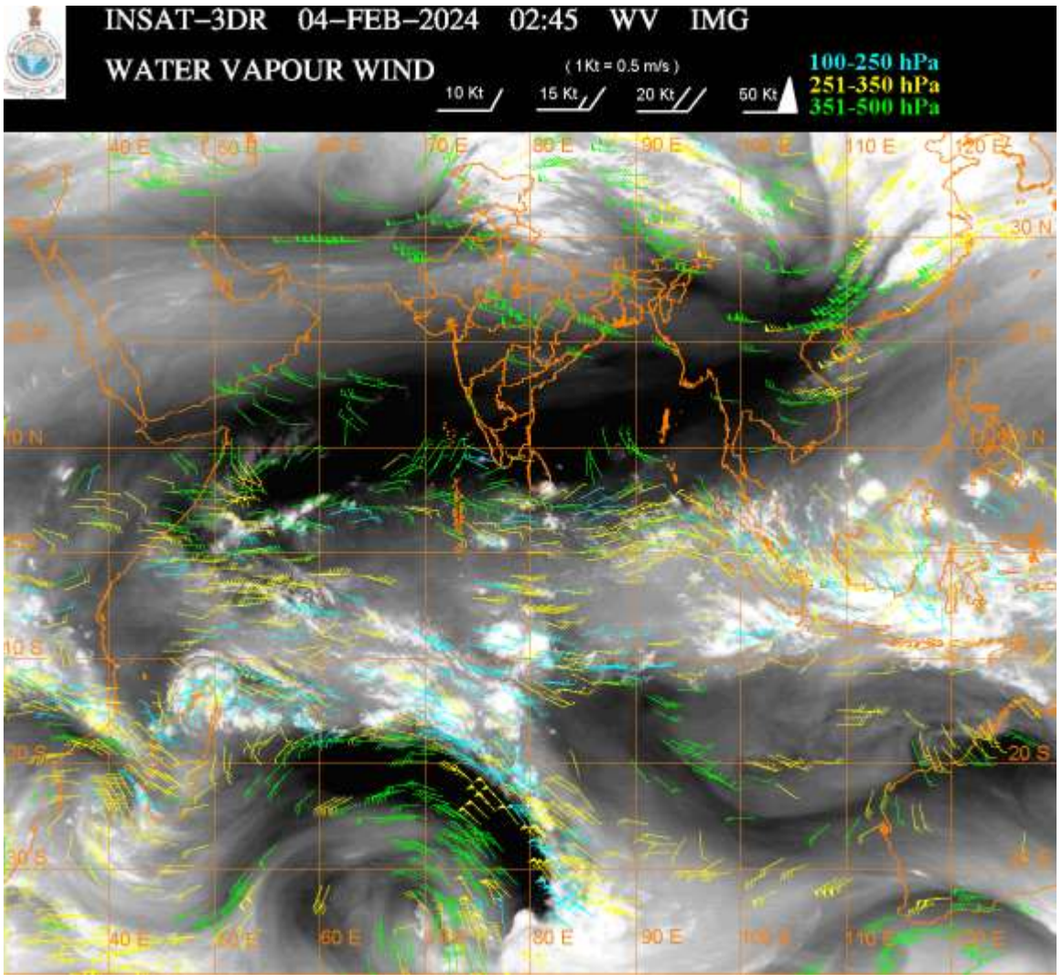
## FOG / LOW CLOUDS:-

**RGB DAY MICROPHYSICS IMAGERY OF INSAT 3D AT 0300 UTC SHOWS SCT FOG / LOW CLOUDS OVER E ORS S GWB CENTRAL ASSAM SE BD ADJ TRP (.)**



**WESTERLY JET STREAM :-**

**WESTERLY JET STREAM RUNS BETWEEN LAT 20.0N TO 35.0N ACROSS NORTH & CENTRAL INDIA (.)**




**CLOUDS DESCRIPTION WITHIN INDIA:-**

**NORTH:-**

**SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER LADAKH J&K HP N UTRKND N PJB (MINIMUM CTT MINUS 58 DEG CEL) (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER S UTRKND S PJB E HARY DLH UP (.)**

**EAST:-**

**SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER EXT NW BHR SKM ARUPR NE ASSAM (.) ISOL LOW/MED CLOUDS OVER ORS REST NE STATES (.)**

**WEST:-**

**SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER RAJ N GUJ N MP (.)**

**SOUTH:-**

**ISOL TO SCT LOW/MED CLOUDS OVER SIK N COTL AP KER TN LKSDP & NICOBAR ILS (.)**

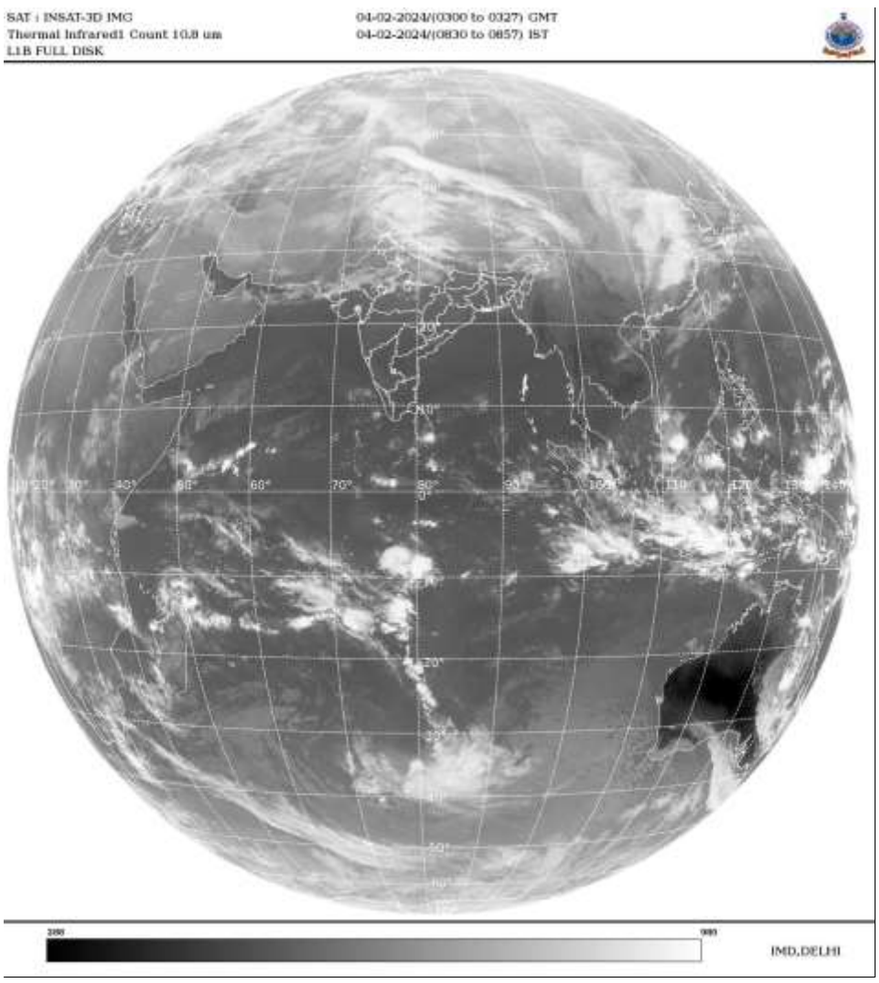
**ARABIAN SEA:-**

**SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER NORTH & SOUTH ARSEA AND COMORIN AREA (.) SCT LOW/MED CLOUDS OVER CENTRAL ARSEA & LKSDP ILS AREA (.)**

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

**SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SW BAY OFF S SRI LANKA COAST (.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER REST SOUTH BAY S ANDAMAN SEA (.)**

**CLOUDS DESCRIPTION OUTSIDE INDIA:-**




**SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER S SRI LANKA PAK W NEPAL TIBET CHINA YELLOW SEA EAST CHINA SEA TAIWAN N VIETNAM ADJ LAOS GULF OF TONKIN SUMATRA STR OF MALACCA MALAYSIA BORNEO SOUTH CHINA SEA JAVA ILS & SEA CELEBES ILS & SEA MADAGASCAR MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET LAT 5.0N TO 20.0S LONG 40.0E TO 120.0E AND BET LAT 20.0S TO 35.0S LONG 68.5E TO 95.0E (.)**

**TOO 04/0940 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** |
| **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 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** |