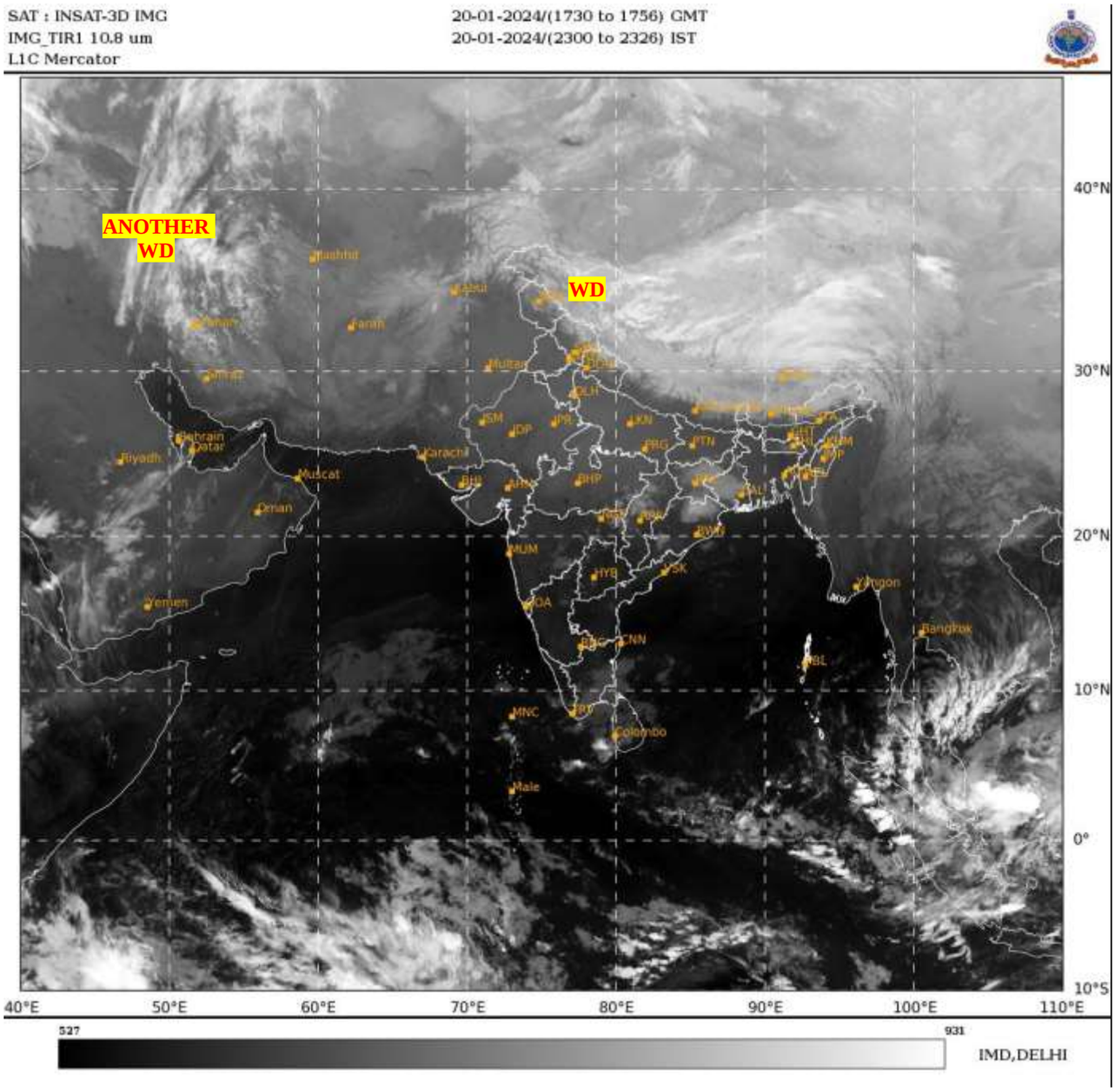
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय
India Meteorological Department
Ministry of Earth Sciences

# SATELLITE BULLETIN BASED ON SATELLITE IMAGERIES AND PRODUCTS

## 20.01.2024 TIME 1800 UTC




**TCIN50 DEMS 201800**
**SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 201730 UTC (.)**
**REGION COVERED BETWEEN LAT 50.0°N TO 35.0°S AND LONG 40.0°E TO 125.0°E (.)**

**SALIENT FEATURES:-**

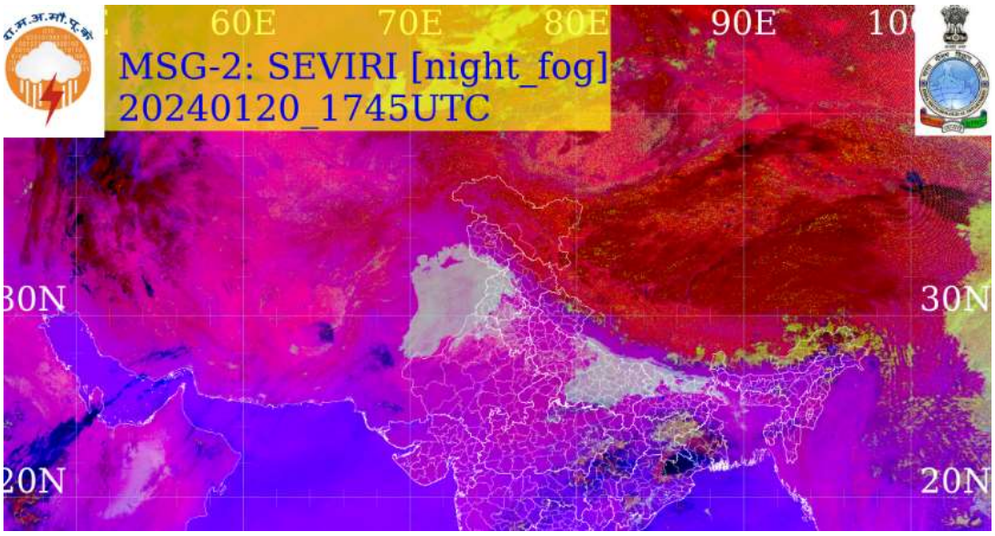
**WESTERN DISTURBANCE:-**

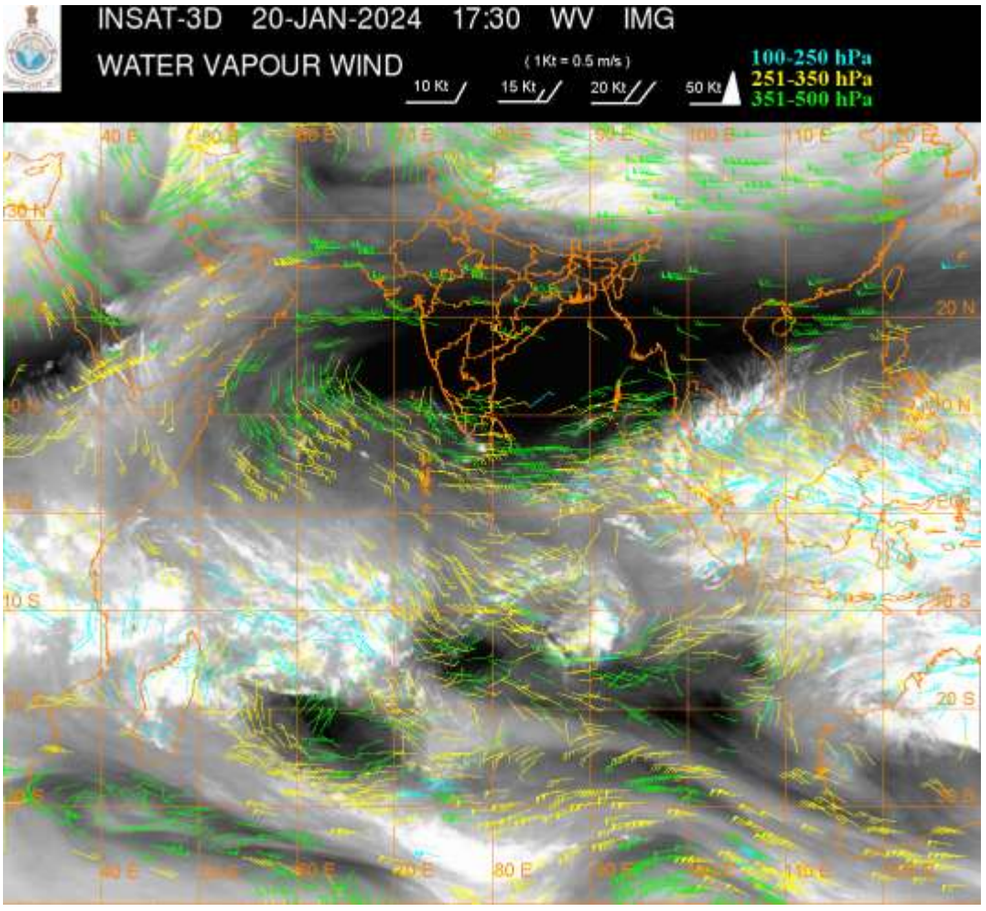
**SCT MULTILAYERED CLOUDS OVER J& LADAKH N HP N UTRND TIBET ADJ CHINA IN ASSW WD OVER THE AREA (.)**

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

**FOG / LOW CLOUDS:-**

**METEOSAT RGB NIGHT FOG IMAGERY AT 1745 UTC SHOWS SCT TO BKN FOG / LOW CLOUDS OVER EC PAK EXT S J&K EXT W HP PJB W HARY EXT NW RAJ SW & E UP N BHR & S NEPAL (.)**




**CLOUDS DESCRIPTION WITHIN INDIA:-**

**NORTH:-**

**SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER EXT E LADAKH AND ISOL WK TO MOD CONVTN OVER REST LADAKH N HP N UTRKND (.) SCT LOW/MED CLOUDS OVER J&K S HP S UP (.)**

**EAST:-**

**SCT LOW/MED CLOUDS WITH EMBDD WK CONVTN OVER JHRKND N CHTGH N ORS N GWB SKM ARUPR (.) ISOL TO SCT LOW/MED CLOUDS OVER S CHTGH REST ORS S GWB N SHWB REST NE STATES (.)**

**WEST:-**

**SCT LOW/MED CLOUDS WITH EMBDD ISOL WK CONVTN OVER SE MP E VID (.) SCT LOW/MED CLOUDS OVER SW MP W VID MRTHWD MADHYA MAHA GOA (.)**

**SOUTH:-**

**SCT LOW/MED CLOUDS OVER KRNTK TLNGN N COTL AP KER TN LKSDP ILS ANDAMAN & NICOBAR ILS (.)**

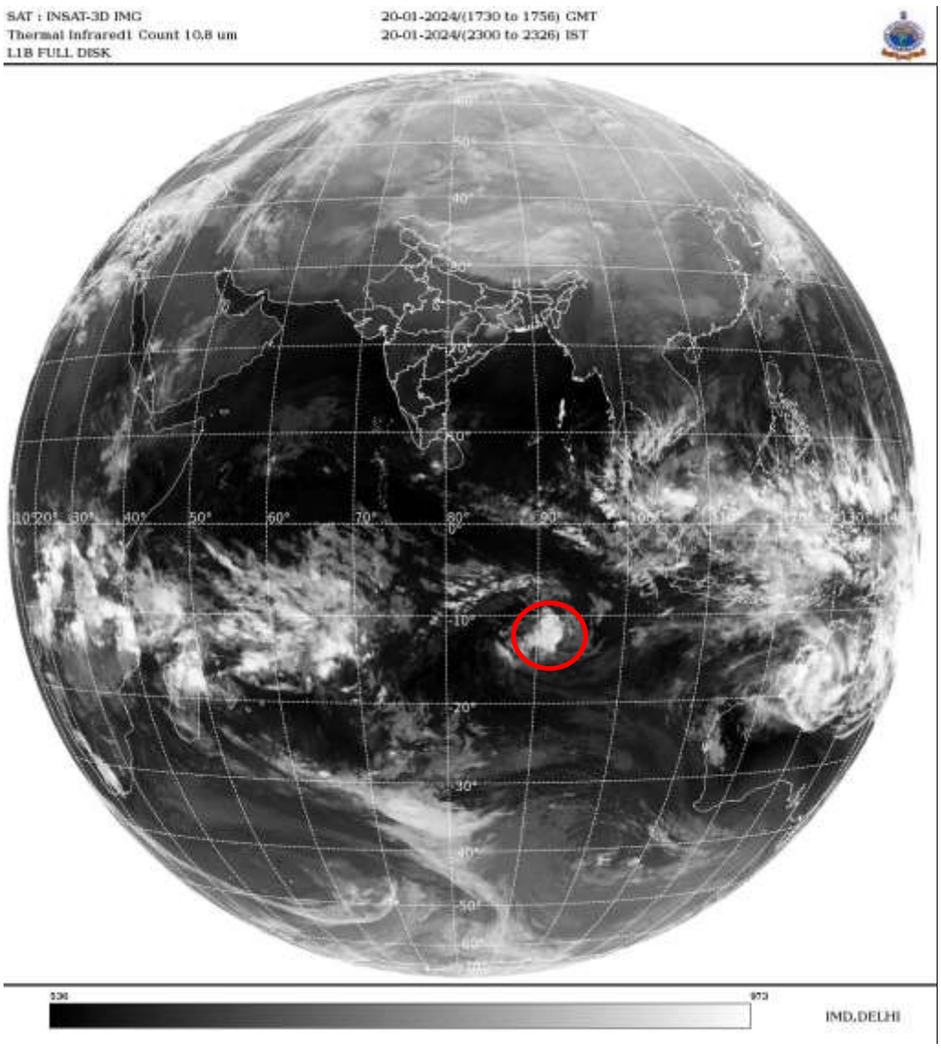
**ARABIAN SEA:-**

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

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

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

**CLOUDS DESCRIPTION OUTSIDE INDIA:-**




**VORTEX (ANGGREK) OVER SOUTH INDIAN OCEAN:-**

**VORTEX (ANGGREK) OVER SOUTH INDIAN OCEAN (AREA H05) CENTERED NEAR 12.3S / 92.3E (.) INTENSITY T4.0/4.0 (.) MAXIMUM SUSTAINED WINDS OF 64-89 KTS (.) ASSTD BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER AREA BET LAT 10.0S TO 14.5S LONG 88.0E TO 95.0E (.)**

**SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER S SRI LANKA TIBET CHINA EAST CHINA SEA GULF OF THAILAND CAMBODIA S VIETNAM SUMATRA STR OF MALACCA MALAYSIA BORNEO SOUTH CHINA SEA JAVA ILS & SEA CELEBES ILS & SEA PHILIPPINES SULU SEA MADAGASCAR MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET LAT 5.0N TO 20.0S AND LONG 40.0E TO 120.0E AND BET LAT 20.0S TO 35.0S LONG 50.0E TO 85.0E (.)**

**TOO 20/2355 HRS IST=**

**NNNN**

**LEGEND:-**

| | | |
|---|---|---|
| | **NORTH** | **J&K HP PJB HARY DLH UP UTRKND** |

| | | |
|---|---|---|
| **REGION** | **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** |