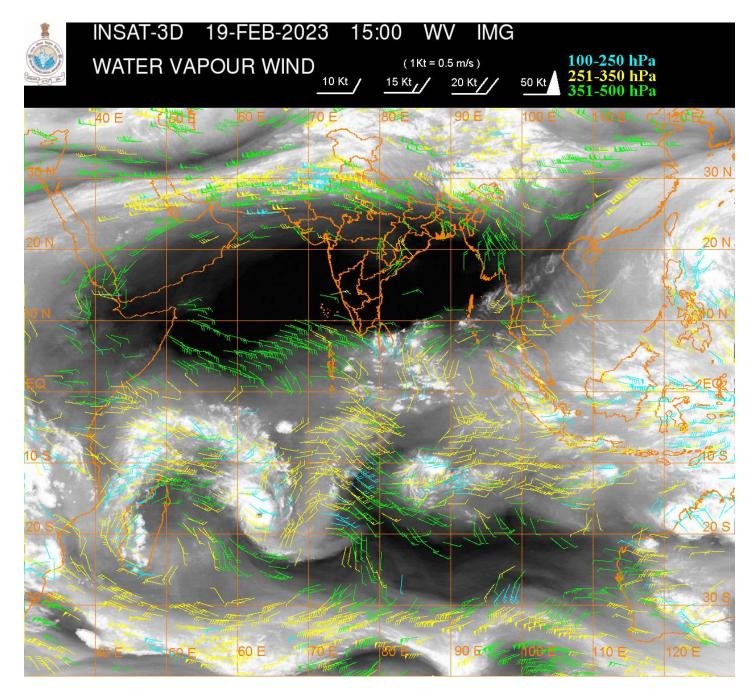


#### TCIN50 DEMS 191500 SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 191500 UTC (.) REGION COVERED BETWEEN LAT 50.0°N TO 35.0°S AND LONG 40.0°E TO 125.0°E (.)

**SALIENT FEATURES:-**

WESTERN DISTURBANCE (WD):-

SCT MULTILAYERED CLOUDS OVER E IRAN AFGAN PAK J&K LADAKH HP PJB NW RAJ HARY DLH NW UP AND N/HOOD IN ASSW WESTERLY JET STREAM / WD OVER THE AREA (.)



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

## NORTH:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER LADAKH J&K HP (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER N UTRKND PJB NW & S HARY DLH NW UP (.)ISOL LOW/MED CLOUDS OVER S UTRKND C UP (.)

## EAST:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER ARUPR (.) SCT LOW/MED WITH EMBDD WK TO MOD CONVTN OVER SKM N ASSAM NAGA (.) SCT LOW/MED CLOUDS OVER ORS CHTGH N SHWB REST NE STATES (.)

## WEST:-

SCT LOW/MED WITH EMBDD ISOL WK TO MOD CONVTN OVER NW RAJ (.)

## SOUTH:-

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

## ARABIAN SEA:-

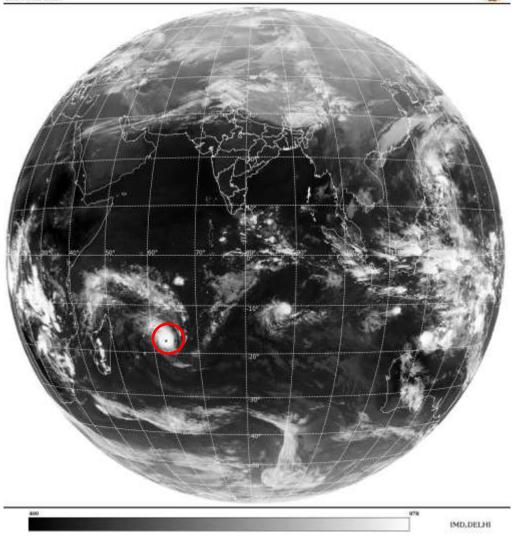
SCT LOW/MED CLOUDS WITH EMBDD ISOL MOD TO INT CONVTN OVER COMORIN AREA (.)

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

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SW BAY AND ISOL WK TO MOD CONVTN OVER SE BAY ANDAMAN SEA (.)

# **CLOUDS DESCRIPTION OUTSIDE INDIA:-**

SAT : INSAT-3D IMG Thermal Infrared1 Count 10.8 um L18 FULL DISK 19-02-2023/(1500 to 1526) GMT 19-02-2023/(2030 to 2056) IST



#### VORTEX (FREDDY) OVER SOUTH INDIAN OCEAN:-

VORTEX (FREDDY) OVER SOUTH INDIAN OCEAN (AREA D60 ADJ D40) CENTERED NEAR 17.4S / 63.2E (.) INTENSITY T7.0/7.0 (.) CORRESPONDING MAXIMUM SUSTAINED WINDS OF 120 KTS & ABOVE (.) ASSTD BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER AREA BET LAT 14.0S TO 19.0S LONG 61.0E TO 65.0E (.)

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER S SRI LANKA PAK TIBET CHINA BHUTAN TAIWAN GULF OF THAILAND CAMBODIA SUMATRA STR OF MALACCA MALAYSIA BORNEO SOUTH CHINA SEA JAVA ILS & SEA CELEBES ILS & SEA PHILIPPINES SULU SEA E CHINA SEA MADAGASCAR MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET EQ TO LAT 20.0S LONG 45.0E TO 70.0E AND BET LAT 5.0N TO 13.0S LONG 70.0E TO 114.0E (.)

#### TOO 19/2130 HRS IST=

NNNN

## LEGEND:-

| REGION | NORTH | J&K HP PJB HARY DLH UP UTRKND                        |
|--------|-------|--|
|        | EAST  | BHR JHRKND CHTGH OR WB SKM<br>NORTH- EAST STATES     |
|        | WEST  | RAJ MP GUJ MAHA GOA                                  |
|        | SOUTH | TLNGN AP KRNTK KER TN LKSDP<br>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<br>TEMPERATURE                                      | СТТ          | CLOUD TOP TEMPERATURE                                   |
|  | WK CONVTN    | WEAK CONVECTION   |
| CONVECTION   |              | (CTT GREATER THAN -25°C)                                |
|  | MOD CONVTN   | MODERATE CONVECTION<br>(CTT BETWEEN -25°C TO -40°C)     |
|  | INT CONVTN   | INTENSE CONVECTION                                      |
|  | V INT CONVTN | (CTT BETWEEN -41°C TO -70°C)<br>VERY INTENSE CONVECTION |
|  | ARUPR        | (CTT LESS THAN -70°C)<br>ARUNACHAL PRADESH              |
| METEOROLOGICAL SUB-<br>DIVISIONS, STATES &<br>UNION TERITORIES |              |   |
|  | 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   |
|  | МР           | MADHYA PRADESH  |
|  | MRTHWD       | MARATHWADA  |
|  | NAGA         | NAGALAND  |
|  | N COTL AP    | NORTH COASTAL ANDHRA PRADESH                            |
|  | NIK          | NORTH INTERIOR KARNATAKA                                |
|  | ORS          | ORISSA  |
|  | РЈВ          | PUNJAB  |
|  | RAJ          | RAJASTHAN   |
|  | RYLSM        | RAYALASEEMA   |
|  | SAU & KUTCH  | SAURASHTRA & KUTCH                                      |
|  | SHWB         | SUB-HIMALAYAN WEST BENGAL                               |
|  | SIK          | SOUTH INTERIOR KARNATAKA                                |
|  | SKM          | SIKKIM  |

| 1             |        |                           |
|---------------|--------|---------------------------|
|               | 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                   |
|               |        |                           |