

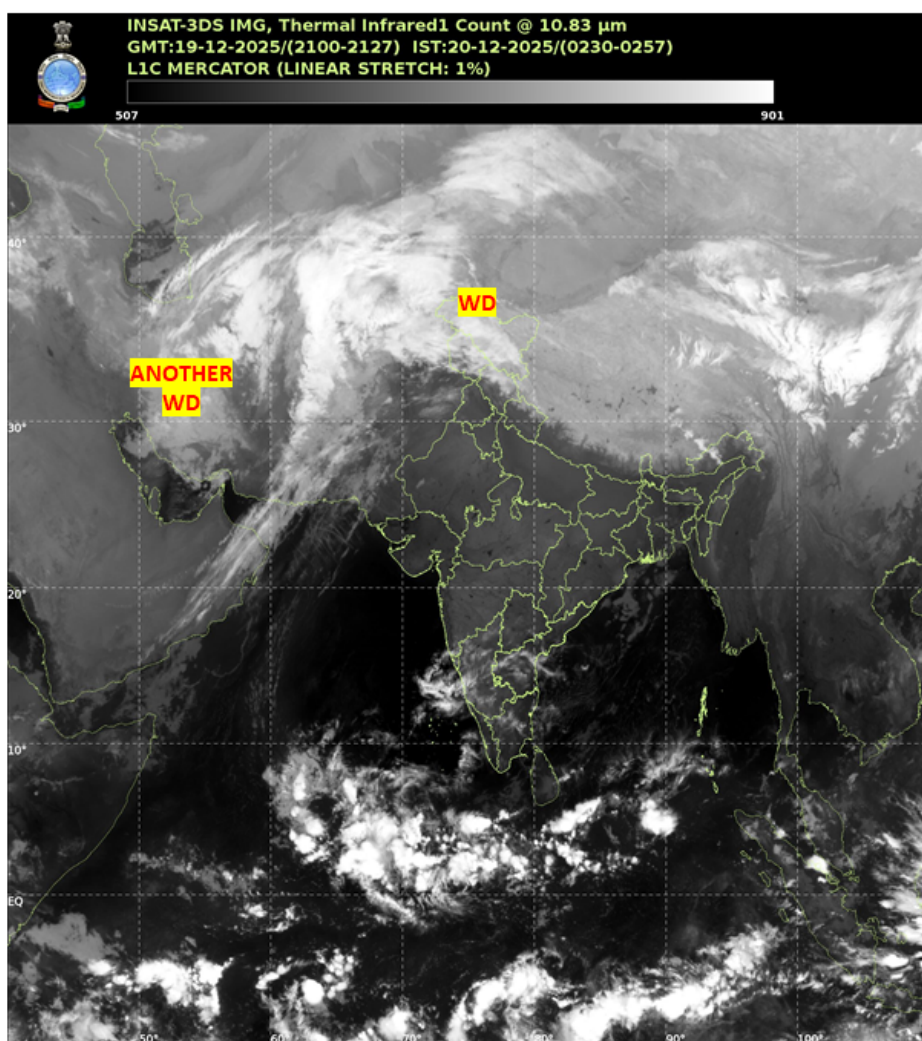


भारत मौसम विज्ञान विभाग  
पृथ्वी विज्ञान मंत्रालय  
India Meteorological Department  
Ministry of Earth Sciences



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

Date: 2025-12-19 Time: 21:00:00 UTC



TCIN50 DEMS 192100

SATELLITE BULLETIN BASED ON INSAT-3DS PIC OF 192100 UTC (.)

REGION COVERED BETWEEN LAT 50.0°N TO 35.0°S AND LONG 40.0°E TO 125.0°E (.)

**SALIENT FEATURES:**

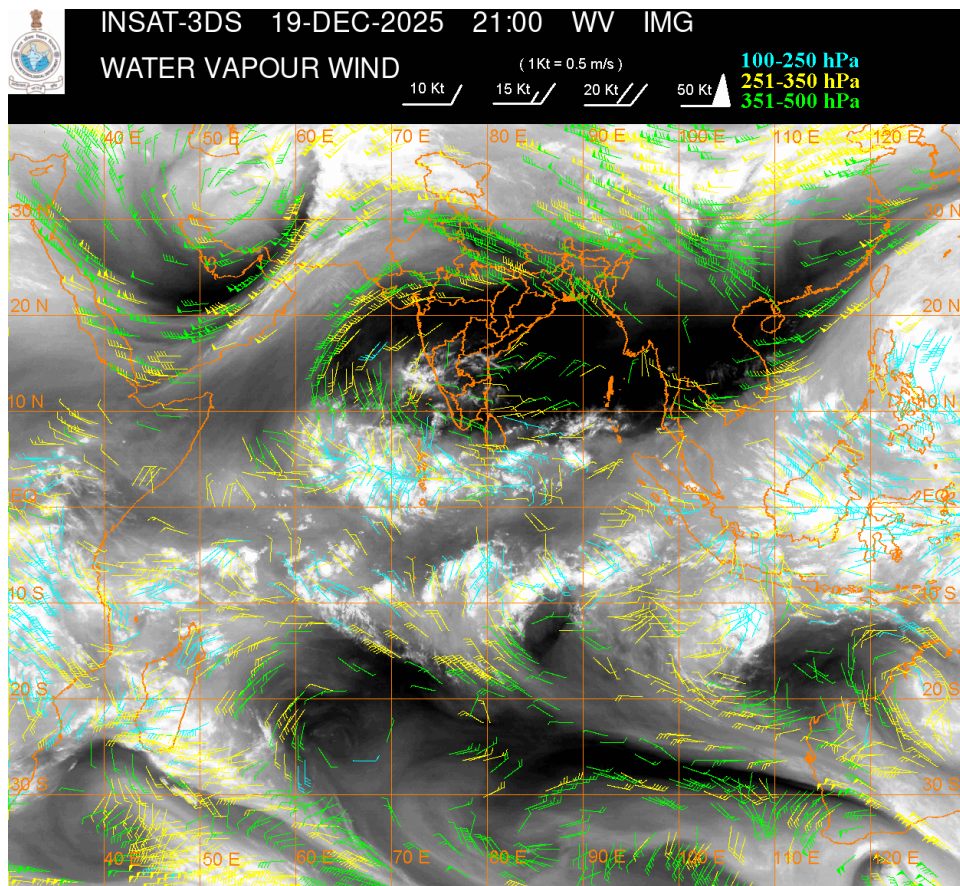
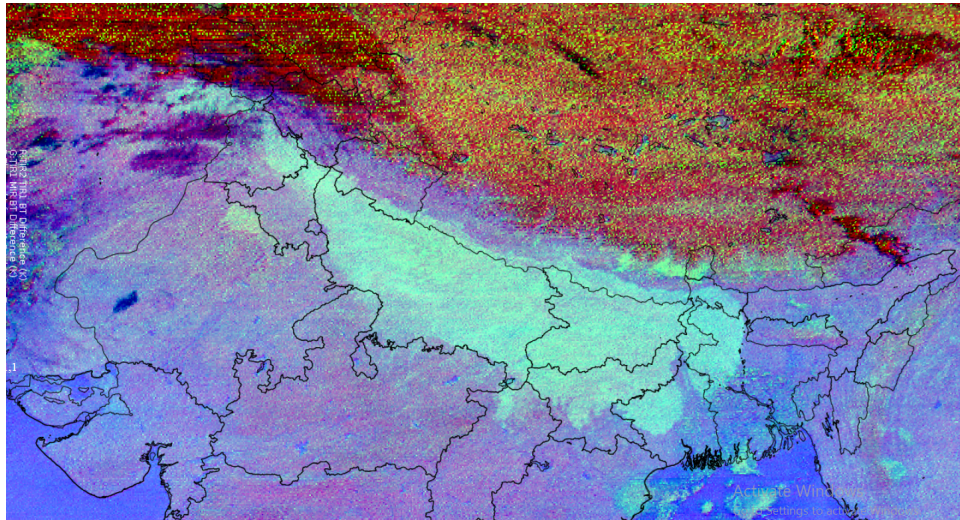
**WESTERN DISTURBANCE (WD):-**

SCT MULTILAYERED CLOUDS OVER NORTH PAK LADAKH J&K HP PJB HARY AND N/HOOD IN ASSW  
WD OVER THE AREA (.)

SCT TO BKN MULTILAYERED CLOUDS OVER IRAN AFGAN AND N/HOOD IN ASSW ANOTHER WD  
OVER THE AREA (.)

### FOG / LOW CLOUDS:-

SCT TO BKN FOG / LOW CLOUDS OVER PJB S UTRKND HARY DLH UP BHR JHRKND EXT N CHTGH  
SHWB WB SKM MEGHA NE MP N RAJ(.)



### CLOUD DESCRIPTION WITHIN INDIA:

#### NORTH:

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

#### EAST:

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

#### WEST:

SCT LOW/MED CLOUDS OVER S KKN GOA (.)

#### **SOUTH:**

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER LKSDP ILS AREA (.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER KRNTK KER N TN & NICOBAR ILS AREA (.) SCT LOW/MED CLOUDS OVER COTL AP RYLSM KRNTK ANDAMAN ILS AREA (.)

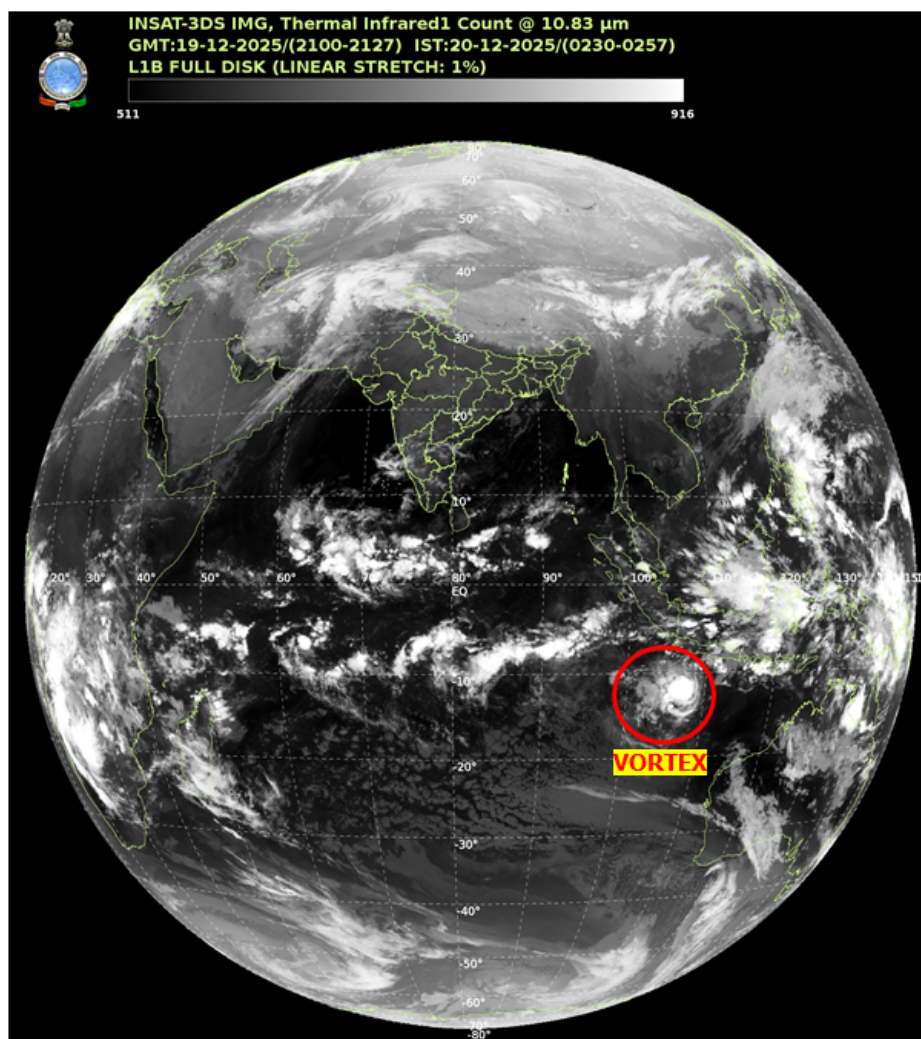
#### **ARABIAN SEA:**

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SE ADJ EC ARSEA LKSDP ILS AREA MALDIVES AND COMORIN AREA OFF KRNTK KER GOA COAST(.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK CONVTN OVER NORTH ARSEA (.)

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

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SOUTH BAY AND SOUTH ANDAMAN SEA (.)

#### **CLOUD DESCRIPTION OUTSIDE INDIA:**



#### **VORTEX OVER SOUTH INDIAN OCEAN (SOUTH OF JAVA)**

VORTEX OVER SOUTH INDIAN OCEAN (AREA G30) CENTERED NEAR 12.6S / 107.9E (.) INTENSITY T3.0/3.0 (.) MAXIMUM SUSTAINED WINDS 34-47 KTS (.) ASSTD SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER AREA BET LAT 8.0S TO 16.0S AND LONG 103.0E TO 110.0E (.)

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SRI LANKA PALK STR GULF OF MANNAR MALDIVES N PAK TIBET CHINA YELLOW SEA EAST CHINA SEA TAIWAN GULF OF THAILAND 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 LAT 20.0S LONG 40.0E TO 110.0E(.)**

**T00 20/0520 HRS IST=**

**NNNN**

**LEGEND**

| REGION                                                   |                                                   |
|----------------------------------------------------------|---------------------------------------------------|
| NORTH                                                    | J&K HP UTRKND PJB HARY DLH UP                     |
| 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 TERRITORIES |                                                   |
| J&K                                                      | JAMMU AND KASHMIR                                 |
| HP                                                       | HIMACHAL PRADESH                                  |
| UTRKND                                                   | UTTARAKHAND                                       |
| PJB                                                      | PUNJAB                                            |
| HARY                                                     | HARYANA                                           |
| DLH                                                      | DELHI                                             |
| BHR                                                      | BIHAR                                             |
| JHRKND                                                   | JHARKHAND                                         |
| CHTGH                                                    | CHHATTISGARH                                      |
| ORS                                                      | ORISSA                                            |
| GWB                                                      | GANGETIC WEST BENGAL                              |

|                        |                                  |
|------------------------|----------------------------------|
| <b>SHWB</b>            | <b>SUB-HIMALAYAN WEST BENGAL</b> |
| <b>SKM</b>             | <b>SIKKIM</b>                    |
| <b>ARUPR</b>           | <b>ARUNACHAL PRADESH</b>         |
| <b>ASSAM</b>           | <b>ASSAM</b>                     |
| <b>MEGHA</b>           | <b>MEGHALAYA</b>                 |
| <b>MANI</b>            | <b>MANIPUR</b>                   |
| <b>MIZO</b>            | <b>MIZORAM</b>                   |
| <b>TRP</b>             | <b>TRIPURA</b>                   |
| <b>RAJ</b>             | <b>RAJASTHAN</b>                 |
| <b>MP</b>              | <b>MADHYA PRADESH</b>            |
| <b>GUJ</b>             | <b>GUJARAT</b>                   |
| <b>SAU &amp; KUTCH</b> | <b>SAURASHTRA &amp; KUTCH</b>    |
| <b>MAHA</b>            | <b>MAHARASHTRA</b>               |
| <b>M MAHA</b>          | <b>MADHYA MAHARASHTRA</b>        |
| <b>MRTHWD</b>          | <b>MARATHWADA</b>                |
| <b>VID</b>             | <b>VIDARBHA</b>                  |
| <b>KKN</b>             | <b>KONKAN</b>                    |
| <b>TLNGN</b>           | <b>TELANGANA</b>                 |
| <b>RYLSM</b>           | <b>RAYALSEEMA</b>                |
| <b>COTL AP</b>         | <b>COASTAL ANDHRA PRADESH</b>    |
| <b>NIK</b>             | <b>NORTH INTERIOR KARNATAKA</b>  |
| <b>SIK</b>             | <b>SOUTH INTERIOR KARNATAKA</b>  |
| <b>COTL KRNTK</b>      | <b>COASTAL KARNATAKA</b>         |
| <b>KER</b>             | <b>KERALA</b>                    |
| <b>TN</b>              | <b>TAMILNADU</b>                 |
| <b>LKSDP</b>           | <b>LAKSHADWEEP</b>               |
| <b>ILS</b>             | <b>ISLANDS</b>                   |
| <b>ARSEA</b>           | <b>ARABIAN SEA</b>               |
| <b>MISCELLANEOUS</b>   |                                  |
| <b>ASSW</b>            | <b>IN ASSOCIATION WITH</b>       |
| <b>ASSTD</b>           | <b>ASSOCIATED</b>                |
| <b>LLC</b>             | <b>LOW LEVEL CIRCULATION</b>     |
| <b>EMBDD</b>           | <b>EMBEDDED</b>                  |
| <b>N/HOOD</b>          | <b>NEIGHBOURHOOD</b>             |

**EXT**

**EXTREME**