## SATELLITE BULLETIN BASED ON SATELLITE IMAGERIES AND PRODUCTS
## 11.03.2024 TIME 0600 UTC



SAT : INSAT-3D IMG
IMG_TIR1 10.8 um
L1C Mercator

11-03-2024/(0600 to 0626) GMT
11-03-2024/(1130 to 1156) IST

IMD,DELHI
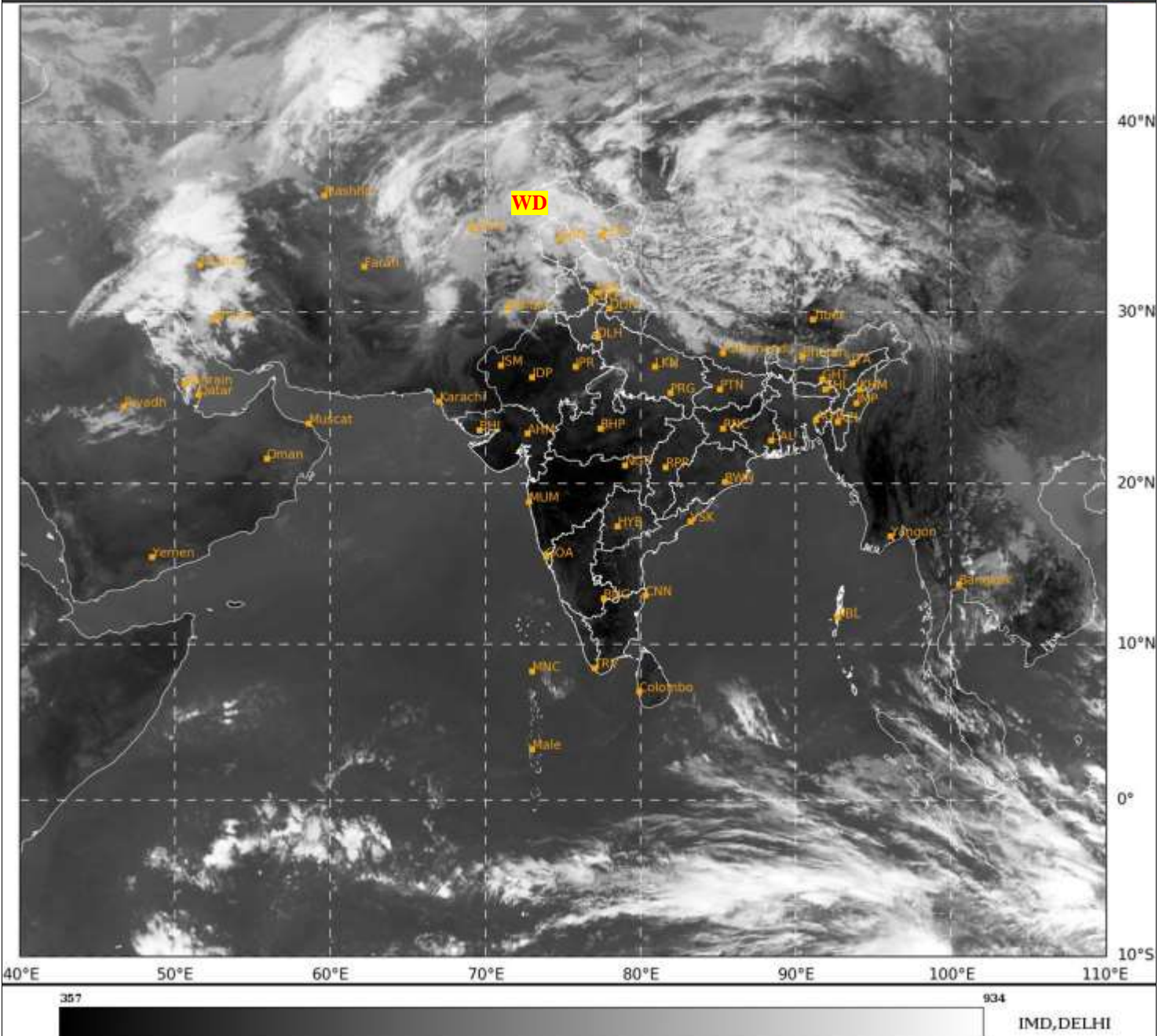
TCIN50 DEMS 110600
SATELLITE BULLETIN BASED ON INSAT- 3D PIC OF 110600 UTC (.)
REGION COVERED BETWEEN LAT 50.0ºN TO 35.0ºS AND LONG 40.0ºE TO 125.0ºE (.)

**SALIENT FEATURES:-**

**WESTERN DISTURBANCE:-**

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

INSAT-3D   11-MAR-2024   06:00   WV   IMG
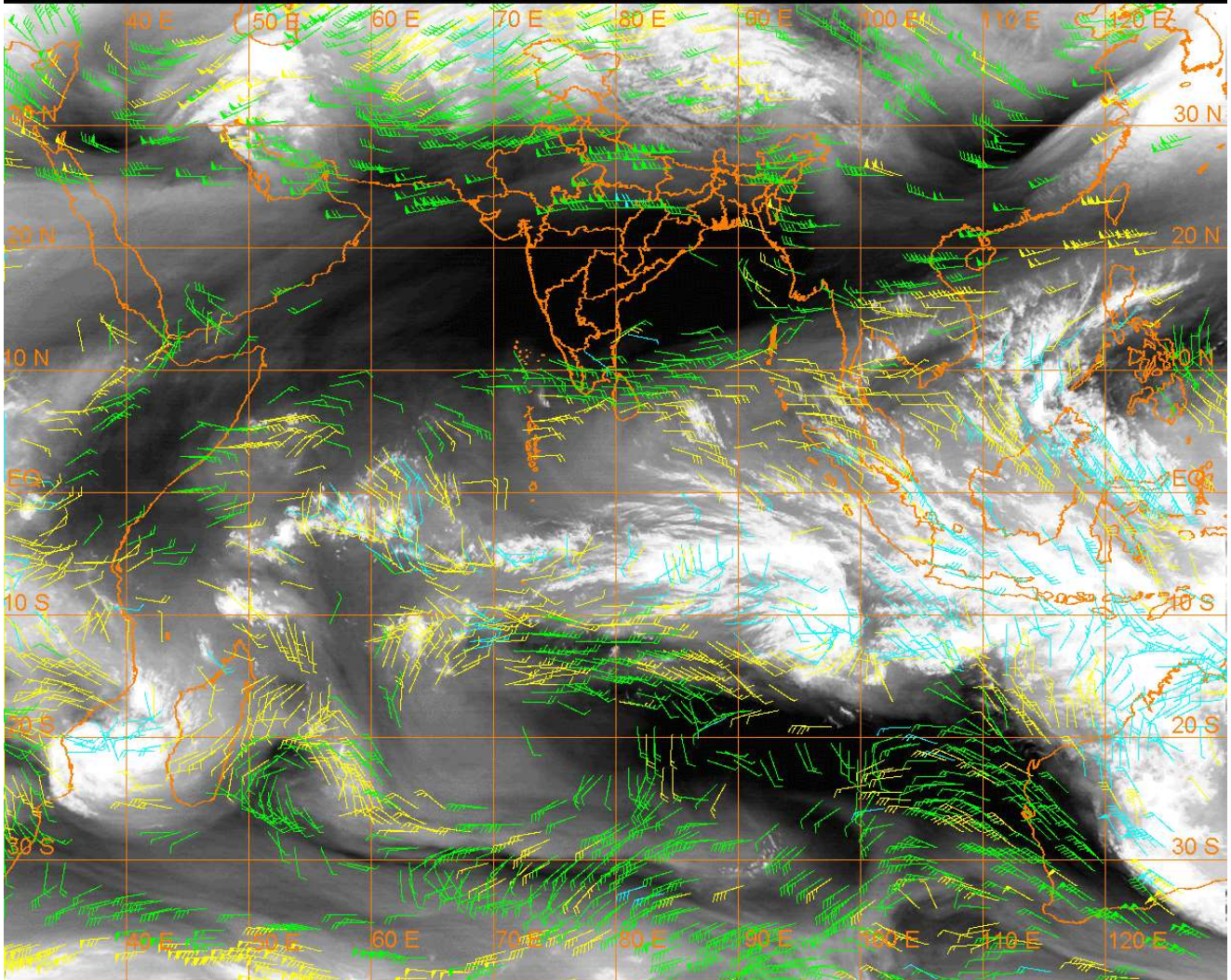WATER VAPOUR WIND   ( 1Kt = 0.5 m/s )
10 Kt   15 Kt   20 Kt   50 Kt
100-250 hPa
251-350 hPa
351-500 hPa

## CLOUDS DESCRIPTION WITHIN INDIA:-

### NORTH:-

SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER LADAKH J&K N&SE HP N UTRKND EXT W PJB (.) ISOL TO SCT LOW/MED CLOUDS OVER SW HP S UTRKND C UP (.)

### EAST:-

SCT LOW/MED CLOUDS WITH EMBDD ISOL WK CONVTN OVER SKM ARUPR (.) ISOL LOW/MED CLOUDS OVER CHTGH  ORS & NE STATES (.)

### WEST:-

SCT LOW/MED CLOUDS WITH EMBDD ISOL WK CONVTN OVER EXT PARTS OF NW RAJ (.) ISOL LOW/MED CLOUDS OVER E RAJ ADJ NW MP (.)

### SOUTH:-

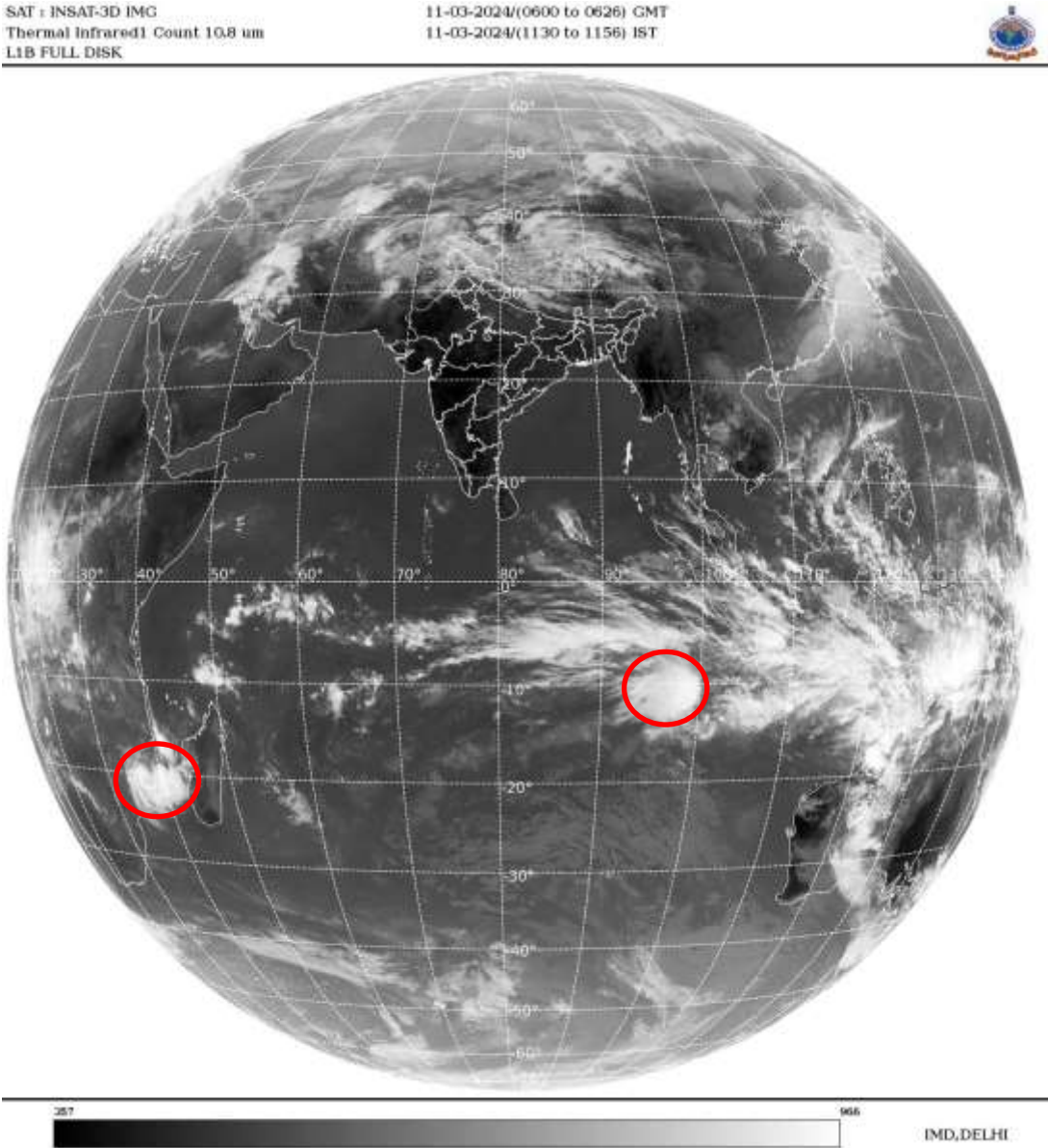SCT LOW/MED CLOUDS OVER KRNTK S TLNGN RYLSM N COTL AP S KER TN LKSDP ILS ANDAMAN & NICOBAR ILS (.)

### ARABIAN SEA:-

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

### BAY OF BENGAL & ANDAMAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER EXT SOUTH BAY SOUTH OF LAT 7.5N AND ISOL WK CONVTN OVER S ANDAMAN SEA (.)

# CLOUDS DESCRIPTION OUTSIDE INDIA:-



SAT : INSAT-3D IMG
Thermal Infrared1 Count 10.8 um
L1B FULL DISK

11-03-2024/(0600 to 0626) GMT
11-03-2024/(1130 to 1156) IST

IMD,DELHI

## VORTEX OVER SOUTH INDIAN OCEAN (MOZAMBIQUE CHANNEL):-

VORTEX OVER SOUTH INDIAN OCEAN (AREA D75) CENTERED NEAR 20.2S / 36.6E (.) INTENSITY T3.0/3.0 (.) ASSOCIATED MAXIMUM SUSTAINED WINDS OF 34-47 KTS (.) ASSTD SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER AREA BET LAT 15.S TO 24.0S LONG 35.0E TO 43.0E & MOZAMBIQUE CHANNEL (.)

## ANOTHER VORTEX OVER SOUTH INDIAN OCEAN:-

VORTEX OVER SOUTH INDIAN OCEAN (AREA G25) CENTERED NEAR 12.3S / 101.8E (.) INTENSITY T2.0/2.0 (.) ASSOCIATED MAXIMUM SUSTAINED WINDS OF 28-33 KTS (.) ASSTD SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER AREA BET LAT 9.0S TO 12.5S LONG 95.0E TO 100.0E (.)

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER N PAK NEPAL TIBET CHINA YELLOW SEA EAST CHINA SEA TAIWAN THAILAND GULF OF THAILAND CAMBODIA S LAOS S VIETNAM SUMATRA STR OF MALACCA MALAYSIA BORNEO SOUTH CHINA SEA JAVA ILS & SEA CELEBES ILS & SEA PHILLIPINES MADAGASCAR MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET LAT 5.0N TO 15.0S LONG 47.0E TO 120.0E (.)

TOO 11/1240 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** |
| **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 |