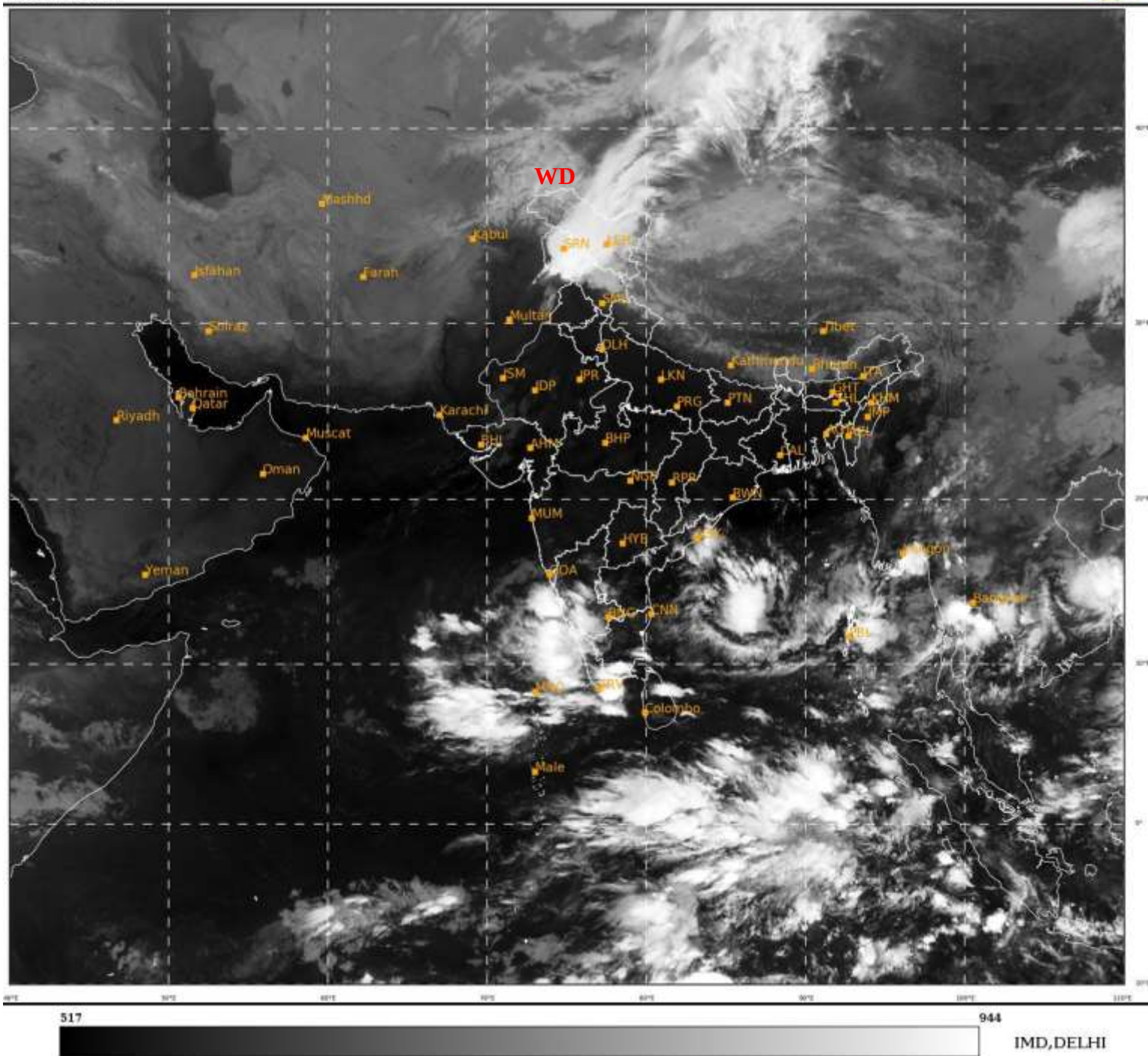




**SATELLITE BULLETIN BASED ON SATELLITE**  
**IMAGERIES AND PRODUCTS**  
**23.10.2021 TIME 0300 UTC**

SAT : INSAT-3D IMG  
IMG\_TIR1 10.8 um  
LIC Mercator

23-10-2021/(0300 to 0326) GMT  
23-10-2021/(0830 to 0856) IST



TCIN50 DEMS 230300

SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 230300 UTC (.)

REGION COVERED BETWEEN LAT 50.0°N TO 30.0°S AND LONG 40.0°E TO 125.0°E (.)

**SALIENT FEATURES:-**

**WESTERN DISTURBANCE (WD):-**

SCT TO BKN MULTILAYERED CLOUDS OVER NE PAK J&K LADAKH AND OVER AREA BET LAT 37.0N TO 50.0N LONG 76.0E TO 92.0E IN ASSW **WD** OVER THE AREA (.)



INSAT-3D 23-OCT-2021 03:00 WV IMG

WATER VAPOUR WIND

( 1Kt = 0.5 m/s )

10 Kt

15 Kt

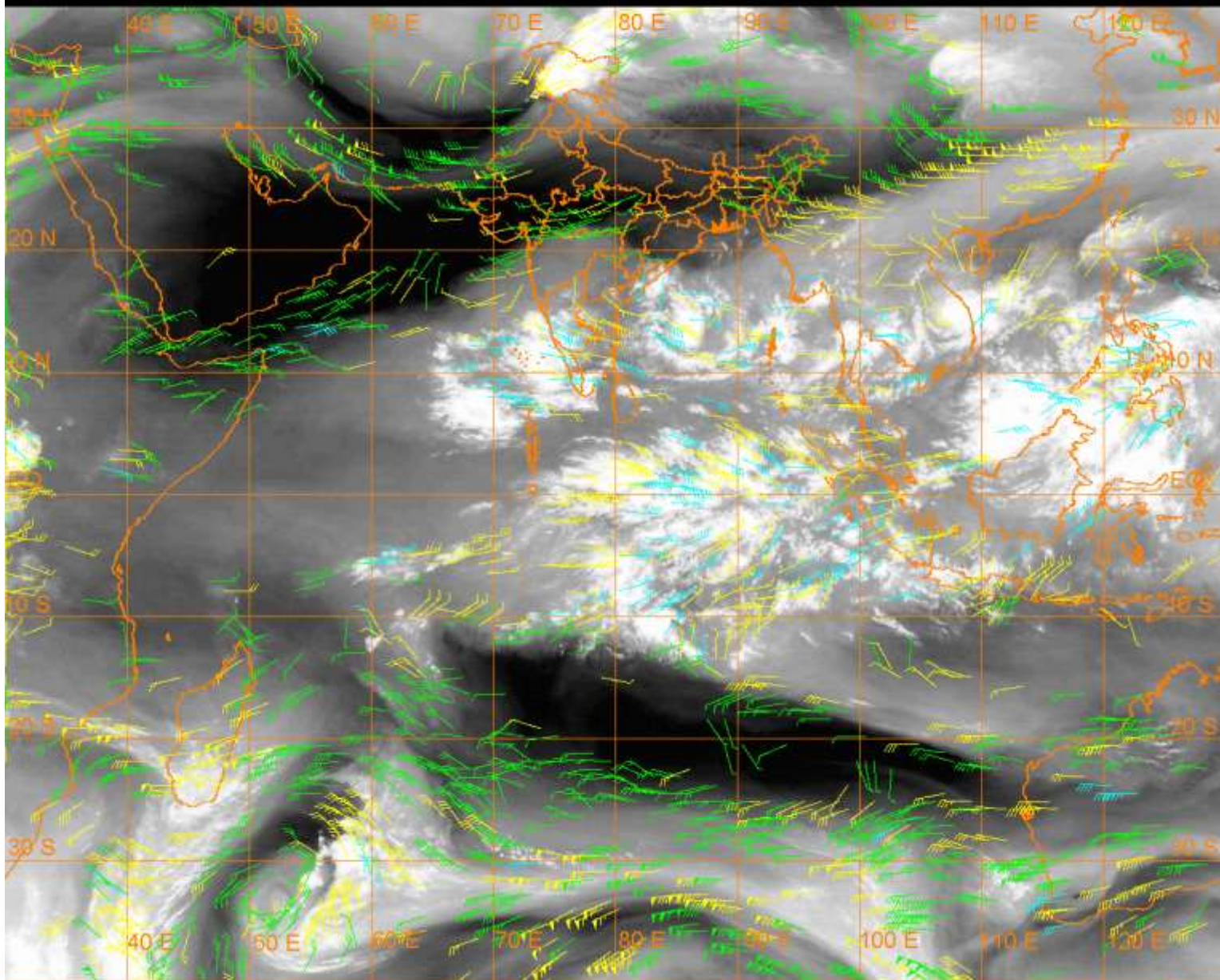
20 Kt

50 Kt

100-250 hPa

251-350 hPa

351-500 hPa



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

##### **NORTH:-**

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

##### **EAST:-**

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

##### **WEST:-**

SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER GOA (.) NOSIG CLOUDS OVER THE REST REGION (.)

##### **SOUTH:-**

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

##### **ARABIAN SEA:-**

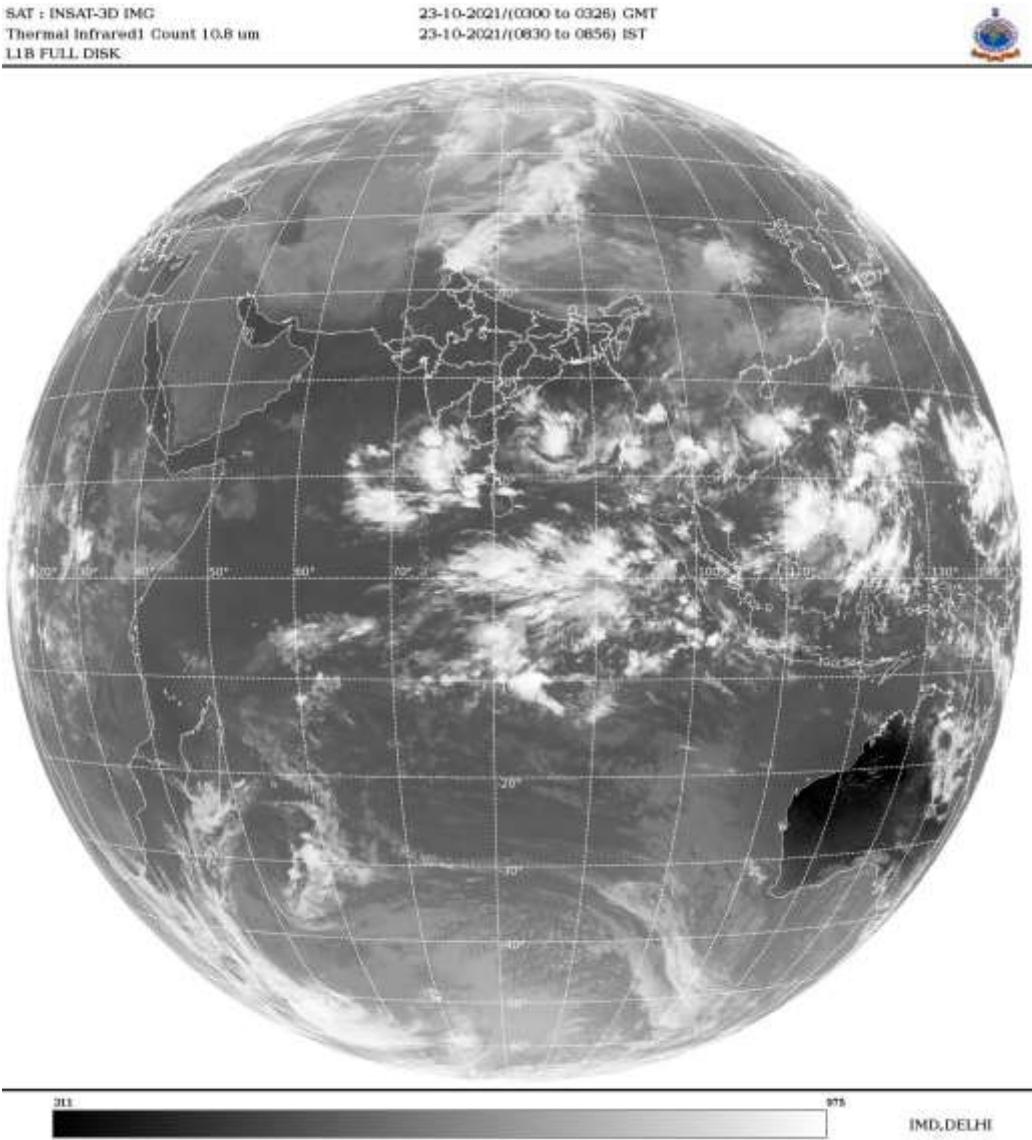
SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER SE ARSEA OFF KRNTK-

KER COASTS & COMORIN (.)

BAY OF BENGAL & ANDAMAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER C BAY N ANDAMAN SEA  
GULF OF MARTABAN (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER  
SW BAY S ANDAMAN SEA (.)

CLOUDS DESCRIPTION OUTSIDE INDIA:-



SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER NE SRILANKA GULF OF  
MANNAR N MALDIVES S MYANMAR THAILAND GULF OF THAILAND CAMBODIA LAOS S  
VIETNAM SUMATRA STR OF MALACCA MALAY PENINSULA BORNEO SOUTH CHINA SEA JAVA  
ILS & SEA CELEBES ILS & SEA PHILIPPINES SULU SEA E CHINA SEA AND OVER INDIAN OCEAN  
BET LAT 5.0N TO 14.0S EAST OF LONG 60.0E (.)

TOO 23/0930EF=

NNNN

LEGEND:-

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

|        |       |                                                      |
|--------|-------|------------------------------------------------------|
| REGION | EAST  | BHR JHRKND CHTGH ORS WB<br>SKMNORTH- EAST STATES     |
|        | WEST  | RAJ MP GUJ MAHA GOA                                  |
|        | SOUTH | TLNGN AP KRNTK KER TN LKSDP<br>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<br>(CTT GREATER THAN -25°C)         |
|                                                          | MOD CONVTN   | MODERATE CONVECTION<br>(CTT BETWEEN -25°C TO -40°C) |
|                                                          | INT CONVTN   | INTENSE CONVECTION<br>(CTT BETWEEN -41°C TO -70°C)  |
|                                                          | V INT CONVTN | VERY INTENSE CONVECTION<br>(CTT LESS THAN -70°C)    |
| METEOROLOGICAL SUB-DIVISIONS, STATES & UNION TERRITORIES | 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                                              |

|                      |                        |                                  |
|----------------------|------------------------|----------------------------------|
|                      | <b>RAJ</b>             | <b>RAJASTHAN</b>                 |
|                      | <b>RYLSM</b>           | <b>RAYALASEEMA</b>               |
|                      | <b>SAU &amp; KUTCH</b> | <b>SAURASHTRA &amp; KUTCH</b>    |
|                      | <b>SHWB</b>            | <b>SUB-HIMALAYAN WEST BENGAL</b> |
|                      | <b>SIK</b>             | <b>SOUTH INTERIOR KARNATAKA</b>  |
|                      | <b>SKM</b>             | <b>SIKKIM</b>                    |
|                      | <b>TLNGN</b>           | <b>TELANGANA</b>                 |
|                      | <b>TN</b>              | <b>TAMIL NADU</b>                |
|                      | <b>TRP</b>             | <b>TRIPURA</b>                   |
|                      | <b>UP</b>              | <b>UTTAR PRADESH</b>             |
|                      | <b>UTRKND</b>          | <b>UTTARAKHAND</b>               |
|                      | <b>VID</b>             | <b>VIDHARBHA</b>                 |
|                      | <b>SHWB</b>            | <b>SUB HIMALAYAN WEST BENGAL</b> |
|                      | <b>GWB</b>             | <b>GANGETIC WEST BENGAL</b>      |
|                      | <b>ARSEA</b>           | <b>ARABIAN SEA</b>               |
|                      | <b>ILS</b>             | <b>ISLANDS</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>             |
|                      | <b>EXT</b>             | <b>EXTREME</b>                   |