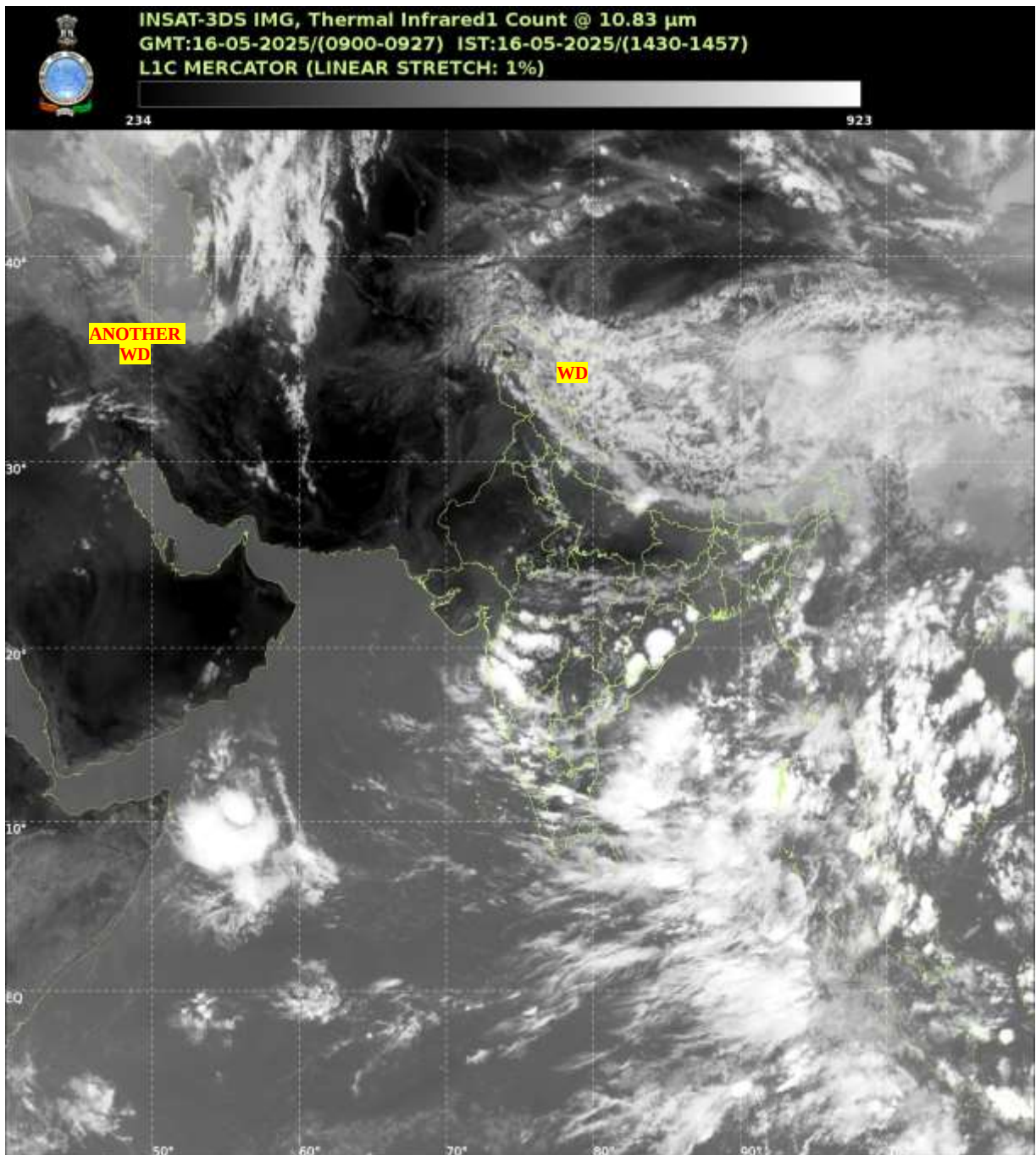




भारत मौसम विज्ञान विभाग  
पृथ्वी विज्ञान मंत्रालय  
India Meteorological Department  
Ministry of Earth Sciences



**SATELLITE BULLETIN BASED ON SATELLITE  
IMAGERIES AND PRODUCTS**  
**16.05.2025 TIME 0900 UTC**



TCIN50 DEMS 160900  
SATELLITE BULLETIN BASED ON INSAT-3DS PIC OF 160900 UTC (.)  
REGION COVERED BETWEEN LAT 50.0°N TO 35.0°S AND LONG 40.0°E TO 125.0°E (.)

**SALIENT FEATURES:-**

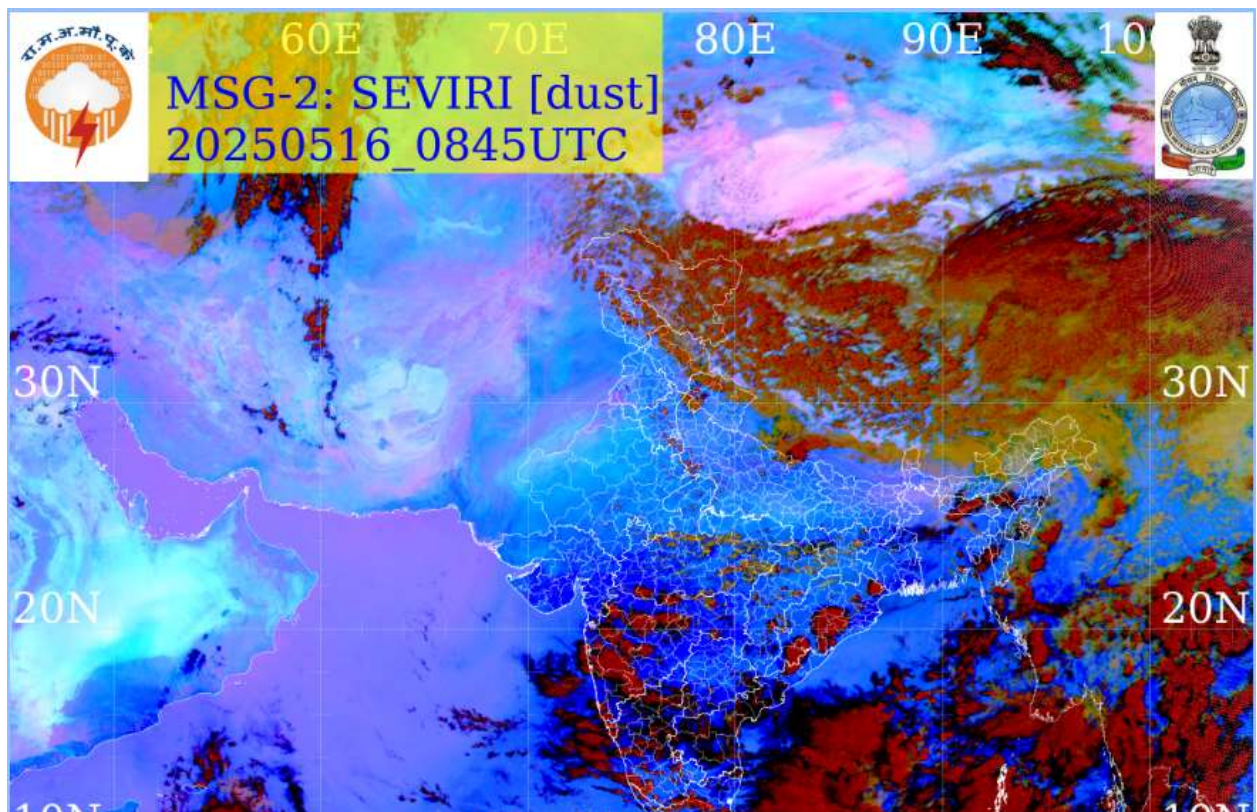
**WESTERN DISTURBANCE:-**

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

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

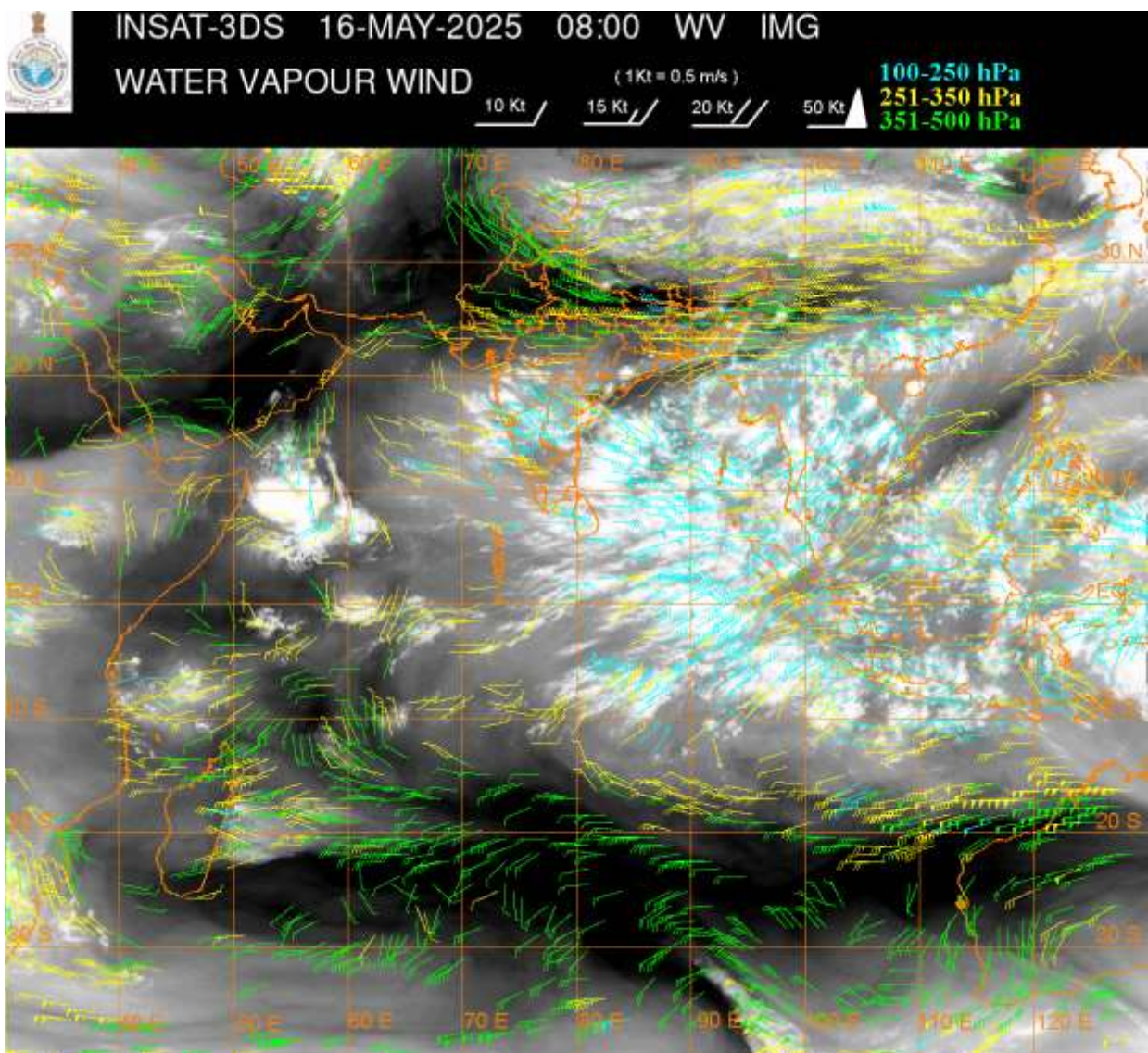
**DUST:-**

DUST OBSERVED OVER NW RAJ ADJ PJB E BHR (.)



### THUNDERSTORM / CONVECTIVE ACTIVITY:-

INTENSE TO VERY INTENSE CONVECTIVE / THUNDERSTORM ACTIVITY OBSERVED OVER ODISHA ANDAMAN & NICOBAR ILS AREA (MINIMUM **CTT MINUS 70-80 DEG CEL**)(.)  
MODERATE TO INTENSE CONVECTIVE / THUNDERSTORM ACTIVITY OBSERVED OVER S MP CHTGH MAHA GOA COTL KRNTK TLNGN AP RYLSM SIK NIK N TN N KER LKSDP ILS AREA (MINIMUM **CTT MINUS 40-70 DEG CEL**)(.)



### CLOUDS DESCRIPTION WITHIN INDIA:-

#### NORTH:-

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

**EAST:-**

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER ORS MEGHA (.)SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER CHTGH MIZO (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER JHRKND SHWB SKM REST NE STATES (.) SCT LOW/MED CLOUDS OVER BHR GWB(.)

**WEST:-**

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER MAHA GOA S MP (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER N MP SE GUJ (.) SCT LOW/MED CLOUDS OVER RAJ REST GUJ (.)

**SOUTH:-**

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

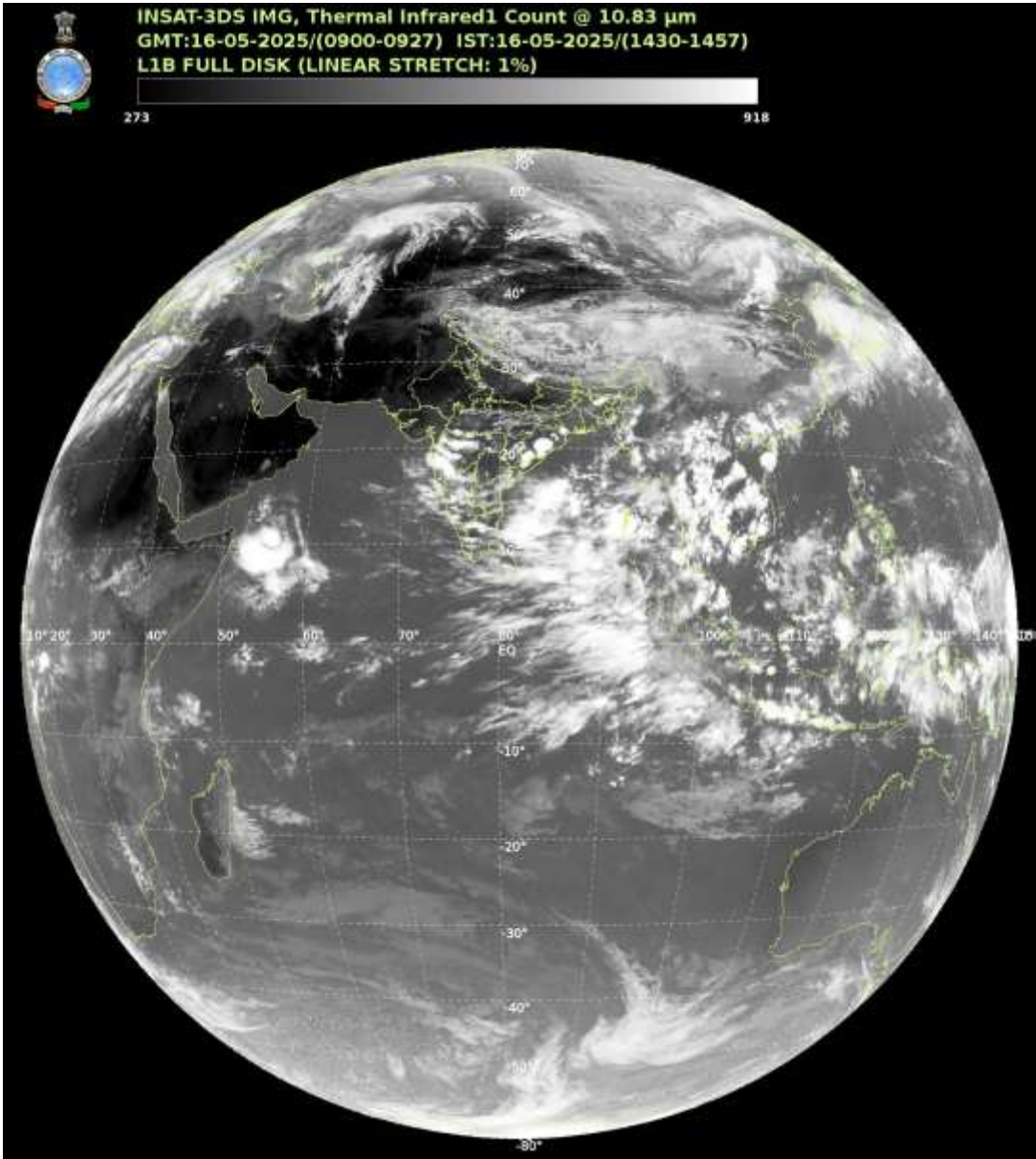
**ARABIAN SEA:-**

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER EC & SOUTH ARSEA LKSDP ILS AREA MALDIVES & COMORIN AREA (.)

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

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INTENSE CONVTN OVER EC & SOUTH BAY ANDAMAN SEA GULF OF MARTABAN & TENASSERIM COAST (.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER WC BAY (.)

**CLOUDS DESCRIPTION OUTSIDE INDIA:-**



SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SRI LANKA PALK STR GULF OF MANNAR MALDIVES NEPAL BHUTAN TIBET CHINA YELLOW SEA EAST CHINA SEA MYANMAR THAILAND GULF OF THAILAND CAMBODIA LAOS VIETNAM HAINAN SUMATRA STR OF MALACCA MALAYSIA BORNEO SOUTH CHINA SEA JAVA ILS & SEA CELEBES ILS & SEA PHILIPPINES AND OVER INDIAN OCEAN BET LAT 5.0N TO 20.0S LONG 40.0E TO 120.0E (.)

TOO 16/1520 EF=

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 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                                       |

|                      |                        |                                     |
|----------------------|------------------------|-------------------------------------|
|                      | <b>MANI</b>            | <b>MANIPUR</b>                      |
|                      | <b>MEGHA</b>           | <b>MEGHALAYA</b>                    |
|                      | <b>MIZO</b>            | <b>MIZORAM</b>                      |
|                      | <b>MP</b>              | <b>MADHYA PRADESH</b>               |
|                      | <b>MRTHWD</b>          | <b>MARATHWADA</b>                   |
|                      | <b>NAGA</b>            | <b>NAGALAND</b>                     |
|                      | <b>N COTL AP</b>       | <b>NORTH COASTAL ANDHRA PRADESH</b> |
|                      | <b>NIK</b>             | <b>NORTH INTERIOR KARNATAKA</b>     |
|                      | <b>ORS</b>             | <b>ORISSA</b>                       |
|                      | <b>PJB</b>             | <b>PUNJAB</b>                       |
|                      | <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>                      |