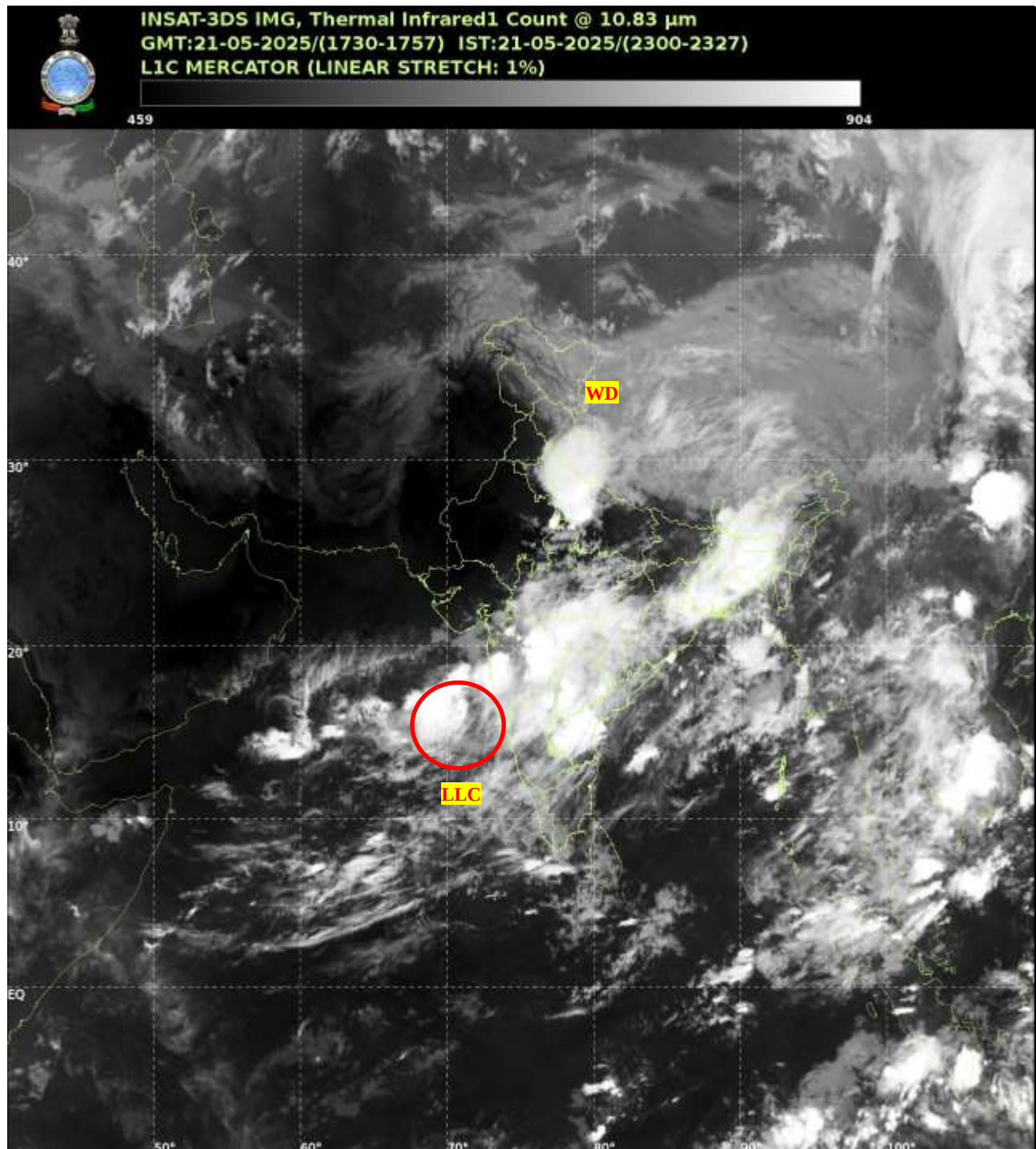




भारत मौसम विज्ञान विभाग  
पृथ्वी विज्ञान मंत्रालय  
India Meteorological Department  
Ministry of Earth Sciences



**SATELLITE BULLETIN BASED ON SATELLITE  
IMAGERIES AND PRODUCTS**  
**21.05.2025 TIME 1800 UTC**



TCIN50 DEMS 211800  
SATELLITE BULLETIN BASED ON INSAT-3DS PIC OF 211730 UTC (.)  
REGION COVERED BETWEEN LAT 50.0°N TO 35.0°S AND LONG 40.0°E TO 125.0°E (.)

**SALIENT FEATURES:-**

**LLC OVER EC ARSEA OFF SOUTH KONKAN ADJOINING GOA COASTS & N/HOOD:-**

LOW LEVEL CIRCULATION (LLC) OVER EAST-CENTRAL ARSEA OFF SOUTH KONKAN ADJ GOA COASTS & N/HOOD (.) ASSTD SCT TO BKN LOW/MED CLOUDS WITH EMBDD INTENSE TO VERY INTENSE CONVECTION OVER EC ARSEA SOUTH KKN GOA & COASTAL KRNTK (.) MINIMUM CTT MINUS 60-85 DEG CEL (.)

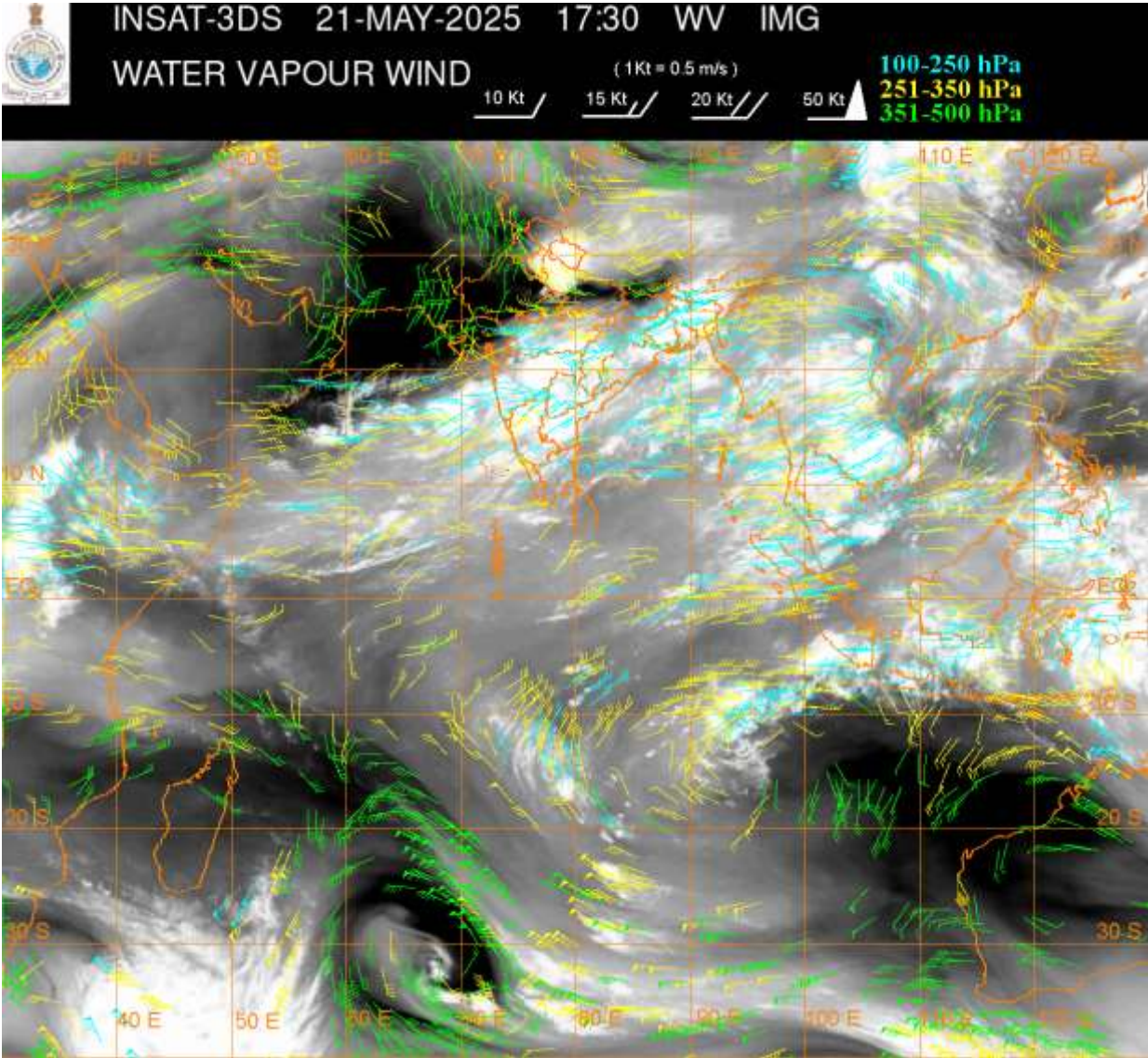
**WESTERN DISTURBANCE:-**

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

**THUNDERSTORM / CONVECTIVE ACTIVITY:-**

INTENSE TO VERY INTENSE CONVECTIVE / THUNDERSTORM ACTIVITY OBSERVED OVER HP UTRKND E PJB HARY DLH NW UP W NEPAL JHRKND CHTGH N ORS N GWB S KKN GOA MAHA NIK TLNGN RYLSM COTL AP MEGHA W ASSAM (MINIMUM CTT MINUS 70-90 DEG CEL) (.)

MODERATE TO INTENSE CONVECTIVE / THUNDERSTORM ACTIVITY OBSERVED OVER J&K MP REST KRNTK KER TN LKSDP ILS ANDAMAN & NICOBAR ILS AREA (MINIMUM CTT MINUS 50-70 DEG CEL) (.)



**CLOUDS DESCRIPTION WITHIN INDIA:-**

**NORTH:-**

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

**EAST:-**

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

**WEST:-**

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER S KKN MAHA GOA (.) SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER MP SE RAJ AND WK TO MOD CONVTN OVER E GUJ (.) SCT LOW/MED CLOUDS OVER W GUJ REST RAJ (.)

**SOUTH:-**

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

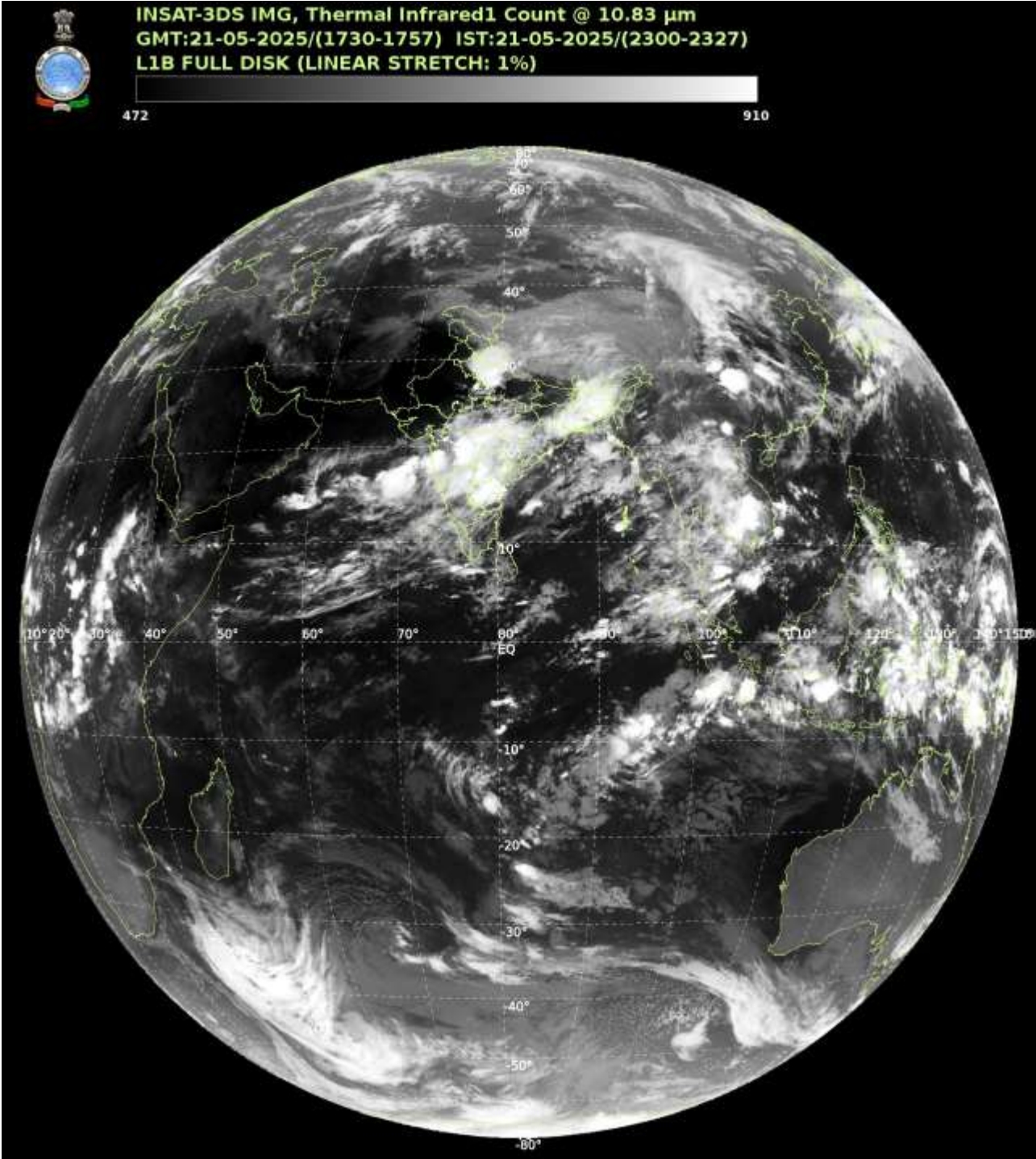
**ARABIAN SEA:-**

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER EC ARSEA GULF OF CAMBAY (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER NE ARSEA OFF SOUTH GUJ COAST AND ALSO OVER SOUTH ARSEA LKSDP ILS MALDIVES & COMORIN AREA AND ISOL WK TO MOD CONVTN OVER WC ARSEA (.)

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

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER WC & NE BAY (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER REST BAY ANDAMAN SEA (.)

**CLOUDS DESCRIPTION OUTSIDE INDIA:-**



SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SRI LANKA GULF OF MANNAR MALDIVES NEPAL TIBET CHINA YELLOW SEA EAST CHINA SEA TAIWAN MYANMAR THAILAND GULF OF THAILAND CAMBODIA LAOS VIETNAM 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 60.0E TO 110.0E (.)

TOO 21/2340 EF=

NNNN

**LEGEND:-**

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

|                                                                   |              |                                                      |
|-------------------------------------------------------------------|--------------|------------------------------------------------------|
| REGION                                                            | EAST         | BHR JHRKND CHTGH ORS WB<br>SKM NORTH- 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<br>SUB- DIVISIONS,<br>STATES & UNION<br>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<br>PRADESH                      |
|                                                                   | NIK          | NORTH INTERIOR KARNATAKA                             |
|                                                                   | ORS          | ORISSA                                               |
|                                                                   | PJB          | PUNJAB                                               |
|                                                                   | RAJ          | RAJASTHAN                                            |

|                      |                        |                                  |
|----------------------|------------------------|----------------------------------|
|                      | <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>                   |