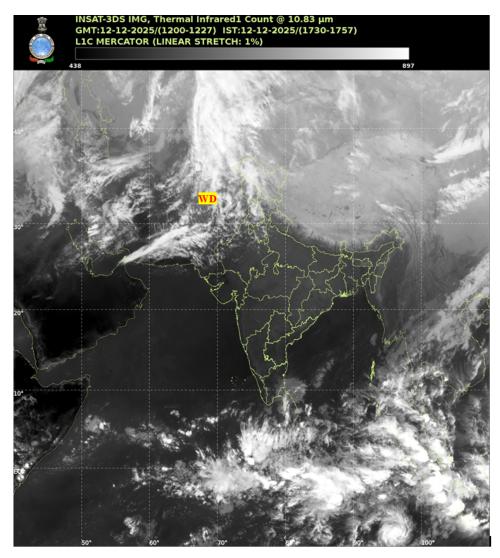


# भारत मौसम विज्ञान विभाग पृथ्वी विज्ञान मंत्रालय India Meteorological Department Ministry of Earth Sciences



# SATELLITE BULLETIN BASED ON SATELLITE IMAGERIES AND PRODUCTS

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



TCIN50 DEMS 121200

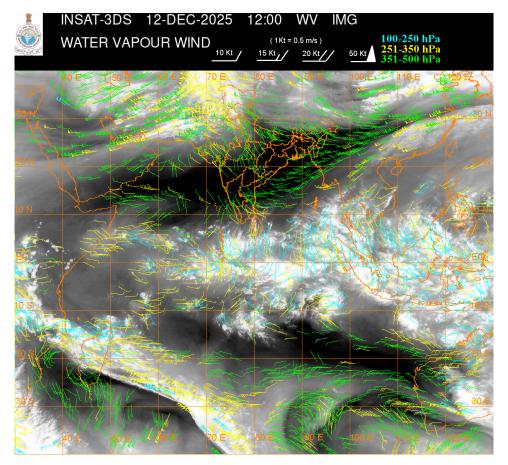
SATELLITE BULLETIN BASED ON INSAT-3DS PIC OF 121200 UTC (.)

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 TO BKN MULTILAYERED CLOUDS OVER IRAN AFGAN PAK LADAKH J&K HP PJB AND N/HOOD IN ASSW WD OVER THE AREA (.)



## **CLOUD DESCRIPTION WITHIN INDIA**

#### **NORTH**

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

#### **EAST**

SCT LOW/MED CLOUDS WITH EMBDD ISOL WK CONVTN OVER SKM ARUPR (.) ISOL TO SCT LOW/MED CLOUDS OVER REST NORTH-EAST STATES (.)

#### **WEST**

SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER RAJ (.)

# **SOUTH**

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER NICOBAR ILS AREA AND ISOL WK TO MOD CONVTN OVER TN ANDAMAN ILS AREA (.) SCT LOW/MED CLOUDS OVER KER LKSDP ILS (.)

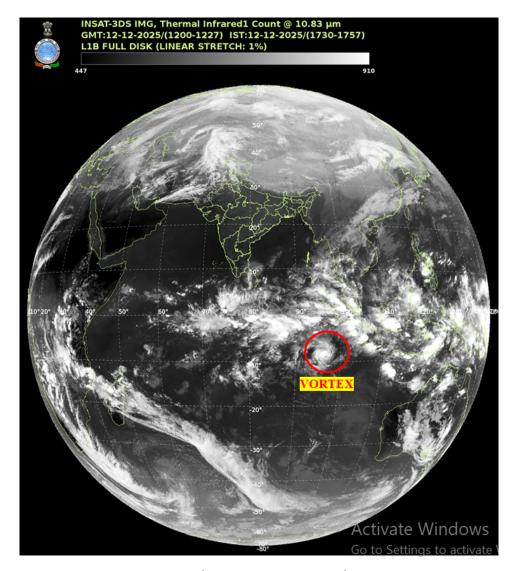
# **ARABIAN SEA**

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SOUTH ARSEA SOUTH OF LAT 8.0N MALDIVES AND COMORIN AREA (.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER EXT NORTH ARSEA (.)

# **BAY OF BENGAL & ANDAMAN SEA**

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

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



**VORTEX OVER SOUTH INDIAN OCEAN (N OF COCOS ISLANDS):-**

VORTEX OVER SOUTH INDIAN OCEAN (AREA E75) CENTERED NEAR 8.4S / 96.6E (.) INTENSITY T2.5/2.5 (.) MAXIMUM SUSTAINED WINDS 34-47 KTS (.) ASSTD SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER AREA BET LAT 5.0S TO 12.0S LONG 93.0E TO 99.0E (.)

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SRI LANKA PALK STR GULF OF MANNAR MALDIVES AREA PAK TIBET CHINA YELLOW SEA EAST CHINA SEA THAILAND GULF OF THAILAND CAMBODIA LAOS VIETNAM GULF OF TONKIN HAINAN 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 50.0E TO 120.0E AND BET LAT 20.0S TO 35.0S LONG 50.0E TO 80.0E (.)

TOO 12/1830 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 DISTRIUTION           ISOL         ISOLATED (LESS THAN 25%)           SCT         SCATTERED (25 TO 50%)           BKN         BROKEN (51 TO 75%)           SLD         SOLID (GREATER THAN 75%)           CLOUDS TOP TEMPERATURE           CONVECTION           CONVECTION (CTT GREATER THAN -25°C)           MOD CONVTN	<u></u>			
CLOUD DISTRIBUTION  ISOL ISOLATED (LESS THAN 25%)  SCT SCATTERED (25 TO 50%)  BKN BROKEN (S1 TO 75%)  SLD SOLID (GREATER THAN 75%)  CLOUDS TOP TEMPERATURE  CTT CLOUD TOP TEMPERATURE  CONVECTION WEAK CONVECTION (CTT GREATER THAN -25°C)  MOD CONVIN MODERATE CONVECTION (CTT BETWEEN -25°C TO -40°C)  INT CONVIN VERY INTENSE CONVECTION (CTT BETWEEN -41°C TO -70°C)  VINT CONVIN 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  JHARKHAND  CHTGH CHHATTISGARH  ORS ORISSA  GWB GANGETIC WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	WEST	RAJ MP GUJ MAHA GOA		
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  CTT CLOUD TOP TEMPERATURE  CONVECTION  WEAK CONVECTION (CTT GREATER THAN -25°C)  MOD CONVIN MODERATE CONVECTION (CTT BETWEEN -25°C TO -40°C)  INT CONVIN VERY INTENSE CONVECTION (CTT LESS THAN -70°C)  METEOROLOGICAL SUB-DIVISIONS, STATES & UNION TERRITORIES  JAMMU AND KASHMIR  HP HIMACHAL PRADESH  UTRKND UTTARAKHAND  PJB PUNJAB  HARY HARYANA  DLH DELHI  BHR BIHAR  JHARKHAND  CHTGH CHHATTISGARH  ORS ORISSA  GWB GANGETIC WEST BENGAL  SHWB SUB-HIMALAYAN WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	SOUTH	TLNGN AP KRNTK KER TN LKSDP ANDAMAN & NICOBAR ILS		
SCT SCATTERED (25 TO 50%) BKN BROKEN (51 TO 75%) SLD SOLID (GREATER THAN 75%) CLOUDS TOP TEMPERATURE  CTT CLOUD TOP TEMPERATURE  CTT CLOUD TOP TEMPERATURE  CONVECTION  WK CONVIN WEAK CONVECTION (CTT GREATER THAN -25°C) MOD CONVIN MODERATE CONVECTION (CTT BETWEEN -25°C TO -40°C) INT CONVIN INTENSE CONVECTION (CTT LESS THAN -70°C)  WIT CONVIN VERY INTENSE CONVECTION (CTT LESS THAN -70°C)  METEOROLOGICAL SUB-DIVISIONS, STATES & UNION TERRITORIES  JAMMU AND KASHMIR  HP HIMACHAL PRADESH  UTRKND UTTARAKHAND  PJB PUNJAB  HARY HARYANA  DLH DELHI  BHR BIHAR  JHARKHAND  CHTGH CHHATTISGARH  ORS ORISSA  GWB GANGETIC WEST BENGAL  SHWB SUB-HIMALAYAN WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	CLOUD DISTRIBU	CLOUD DISTRIBUTION		
BKN BROKEN (51 TO 75%) SLD SOLID (GREATER THAN 75%) CLOUDS TOP TEMPERATURE CTT CLOUD TOP TEMPERATURE  CONVECTION  WK CONVIN WEAK CONVECTION (CTT GREATER THAN -25°C) MOD CONVIN MODERATE CONVECTION (CTT BETWEEN -25°C TO -40°C) INT CONVIN 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  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  MEGHA MEGHALAYA  MANI MEGHALAYA  MANI MAIDUR  MIZOAM  MIZOAM  MIZORM  MIZORM  CHUNTER THAN 75%)  CLOUD TOP TEMPERATURE  LEVING TO THAN -25°C  LOUD TOP CONTON  TO THE OPEN CONTON  T	ISOL	ISOLATED (LESS THAN 25%)		
SLD SOLID (GREATER THAN 75%)  CLOUDS TOP TEMPERATURE  CIT CLOUD TOP TEMPERATURE  CONVECTION  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)  VINT CONVTN VERY INTENSE CONVECTION (CTT BETWEEN -41°C TO -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  SHWB SUB-HIMALAYAN WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	SCT	SCATTERED (25 TO 50%)		
CLOUDS TOP TEMPERATURE  CIT CLOUD TOP TEMPERATURE  CONVECTION  WK CONVTN WEAK CONVECTION (CIT GREATER THAN -25°C)  MOD CONVTN MODERATE CONVECTION (CIT BETWEEN -25°C TO -40°C)  INT CONVTN INTENSE CONVECTION (CIT BETWEEN -41°C TO -70°C)  VINT CONVTN VERY INTENSE CONVECTION (CIT 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  JHARKHAND JHARKHAND  CHTGH CHHATTISGARH  ORS ORISSA  GWB GANGETIC WEST BENGAL  SHWB SUB-HIMALAYAN WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	BKN	BROKEN (51 TO 75%)		
CTT CLOUD TOP TEMPERATURE  CONVECTION  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)  VINT 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  JHARKHAND  CHTGH CHHATTISGARH  ORS ORISSA  GWB GANGETIC WEST BENGAL  SHWB SUB-HIMALAYAN WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	SLD	SOLID (GREATER THAN 75%)		
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)  VINT 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  SHWB  SUB-HIMALAYAN WEST BENGAL  SKM  SIKKIM  ARUPR  ARUNACHAL PRADESH  MEGHA  MEGHALAYA  MANI  MANIPUR  MIZO  MIZORAM	CLOUDS TOP TEMPERATURE			
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)  VINT 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  JHARKHAND  CHTGH CHHATTISGARH  ORS ORISSA  GWB GANGETIC WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	СТТ	CLOUD TOP TEMPERATURE		
MOD CONVTN MODERATE CONVECTION (CTT BETWEEN -25°C TO -40°C)  INT CONVTN INTENSE CONVECTION (CTT BETWEEN -41°C TO -70°C)  VINT 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  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	CONVECTION			
INT CONVTN INTENSE CONVECTION (CTT BETWEEN -41°C TO -70°C)  VINT 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  JHARKHAND  CHTGH CHHATTISGARH  ORS ORISSA  GWB GANGETIC WEST BENGAL  SHWB SUB-HIMALAYAN WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	WK CONVTN	WEAK CONVECTION (CTT GREATER THAN -25°C)		
VINT CONVTN  WERY 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  SHWB  SUB-HIMALAYAN WEST BENGAL  SKM  ARUPR  ARUNACHAL PRADESH  ASSAM  MEGHA  MANI  MANIPUR  MIZO  MIZORAM	MOD CONVTN	MODERATE CONVECTION (CTT BETWEEN -25°C TO -40°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  SHWB SUB-HIMALAYAN WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	INT CONVTN	INTENSE CONVECTION (CTT BETWEEN -41°C TO -70°C)		
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  SHWB SUB-HIMALAYAN WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	V INT CONVTN	VERY INTENSE CONVECTION (CTT LESS THAN -70°C)		
HP HIMACHAL PRADESH  UTRKND UTTARAKHAND  PJB PUNJAB  HARY HARYANA  DLH DELHI  BHR BIHAR  JHRKND JHARKHAND  CHTGH CHHATTISGARH  ORS ORISSA  GWB GANGETIC WEST BENGAL  SHWB SUB-HIMALAYAN WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHAL MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	METEOROLOGICAL SUB-DIVISIONS, STATES & UNION TERRITORIES			
UTRKND UTTARAKHAND  PJB PUNJAB  HARY HARYANA  DLH DELHI  BHR BIHAR  JHARKHAND  CHTGH CHHATTISGARH  ORS ORISSA  GWB GANGETIC WEST BENGAL  SHWB SUB-HIMALAYAN WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	J&K	JAMMU AND KASHMIR		
PJB PUNJAB HARY HARYANA  DLH DELHI BHR BIHAR JHRKND JHARKHAND CHTGH CHHATTISGARH ORS ORISSA GWB GANGETIC WEST BENGAL SHWB SUB-HIMALAYAN WEST BENGAL SKM SIKKIM ARUPR ARUNACHAL PRADESH ASSAM ASSAM MEGHA MEGHALAYA MANI MANIPUR MIZO MIZORAM	НР	HIMACHAL PRADESH		
HARY HARYANA  DLH DELHI  BHR BIHAR  JHRKND JHARKHAND  CHTGH CHHATTISGARH  ORS ORISSA  GWB GANGETIC WEST BENGAL  SHWB SUB-HIMALAYAN WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	UTRKND	UTTARAKHAND		
DLH DELHI BHR BIHAR  JHRKND JHARKHAND  CHTGH CHHATTISGARH  ORS ORISSA  GWB GANGETIC WEST BENGAL  SHWB SUB-HIMALAYAN WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHAL MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	РЈВ	PUNJAB		
BHR BIHAR  JHRKND JHARKHAND  CHTGH CHHATTISGARH  ORS ORISSA  GWB GANGETIC WEST BENGAL  SHWB SUB-HIMALAYAN WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	HARY	HARYANA		
JHRKND JHARKHAND  CHTGH CHHATTISGARH  ORS ORISSA  GWB GANGETIC WEST BENGAL  SHWB SUB-HIMALAYAN WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	DLH	DELHI		
CHTGH CHHATTISGARH  ORS ORISSA  GWB GANGETIC WEST BENGAL  SHWB SUB-HIMALAYAN WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	BHR	BIHAR		
ORS ORISSA GWB GANGETIC WEST BENGAL SHWB SUB-HIMALAYAN WEST BENGAL SKM SIKKIM ARUPR ARUNACHAL PRADESH ASSAM ASSAM MEGHA MEGHALAYA MANI MANIPUR MIZO MIZORAM	JHRKND	JHARKHAND		
GWB GANGETIC WEST BENGAL  SHWB SUB-HIMALAYAN WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHAL MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	снтдн	CHHATTISGARH		
SHWB SUB-HIMALAYAN WEST BENGAL  SKM SIKKIM  ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	ORS	ORISSA		
SKM SIKKIM  ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	GWB	GANGETIC WEST BENGAL		
ARUPR ARUNACHAL PRADESH  ASSAM ASSAM  MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	SHWB	SUB-HIMALAYAN WEST BENGAL		
ASSAM ASSAM MEGHA MEGHALAYA MANI MANIPUR MIZO MIZORAM	SKM	SIKKIM		
MEGHA MEGHALAYA  MANI MANIPUR  MIZO MIZORAM	ARUPR	ARUNACHAL PRADESH		
MANI MANIPUR MIZO MIZORAM	ASSAM	ASSAM		
MIZO MIZORAM	MEGHA	MEGHALAYA		
	MANI	MANIPUR		
TRP TRIPURA	MIZO	MIZORAM		
	TRP	TRIPURA		

MD		
MP	MADHYA PRADESH	
GUJ	GUJARAT	
SAU & KUTCH	SAURASHTRA & KUTCH	
МАНА	MAHARASHTRA	
м мана	MADHYA MAHARASHTRA	
MRTHWD	MARATHWADA	
VID	VIDARBHA	
KKN	KONKAN	
TLNGN	TELANGANA	
RYLSM	RAYALSEEMA	
COTL AP	COASTAL ANDHRA PRADESH	
NIK	NORTH INTERIOR KARNATAKA	
SIK	SOUTH INTERIOR KARNATAKA	
COTL KRNTK	COASTAL KARNATAKA	
KER	KERALA	
TN	TAMILNADU	
LKSDP	LAKSHADWEEP	
ILS	ISLANDS	
ARSEA	ARABIAN SEA	
MISCELLANEOUS		
ASSW	IN ASSOCIATION WITH	
ASSTD	ASSOCIATED	
LLC	LOW LEVEL CIRCULATION	
EMBDD	EMBEDDED	
N/HOOD	NEIGHBOURHOOD	
EXT	EXTREME	