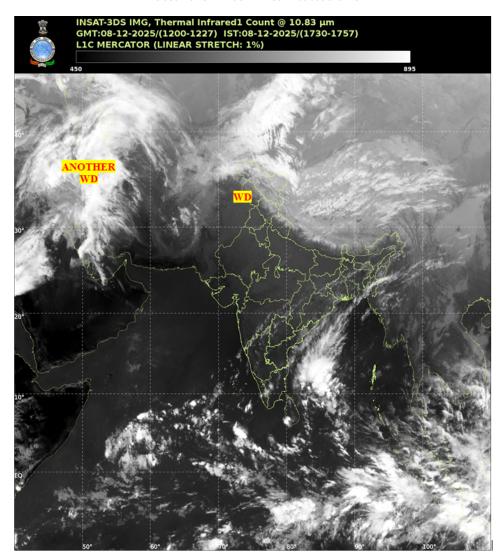


भारत मौसम विज्ञान विभाग पृथ्वी विज्ञान मंत्रालय India Meteorological Department Ministry of Earth Sciences



SATELLITE BULLETIN BASED ON SATELLITE IMAGERIES AND PRODUCTS

Date: 2025-12-08 Time: 12:00:00 UTC



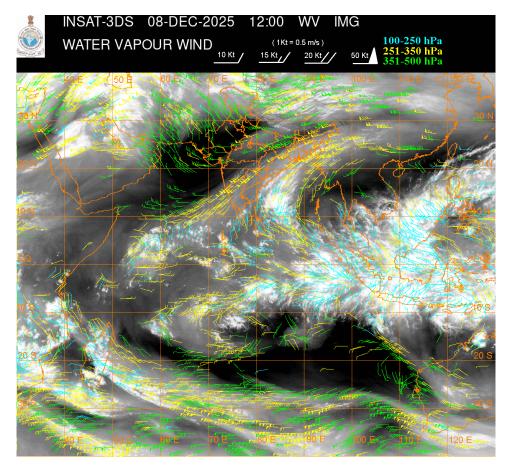
TCIN50 DEMS 081200

SATELLITE BULLETIN BASED ON INSAT-3DS PIC OF 081200 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 MULTILAYERED CLOUDS OVER NORTH PAK LADAKH J&K HP UTRKND TIBET ADJ CHINA IN ASSW WD OVER THE AREA (.)



CLOUD DESCRIPTION WITHIN INDIA

NORTH

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

EAST

SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER S JHRKND CHTGH ORS GWB SKM NORTH-EAST STATES & BD (.) ISOL LOW/MED CLOUDS OVER N JHRKND SHWB (.)

WEST

SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER VID MRTHWD SOUTH MADHYA MAHA S KKN GOA (.) ISOL LOW/MED CLOUDS OVER MP (.)

SOUTH

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

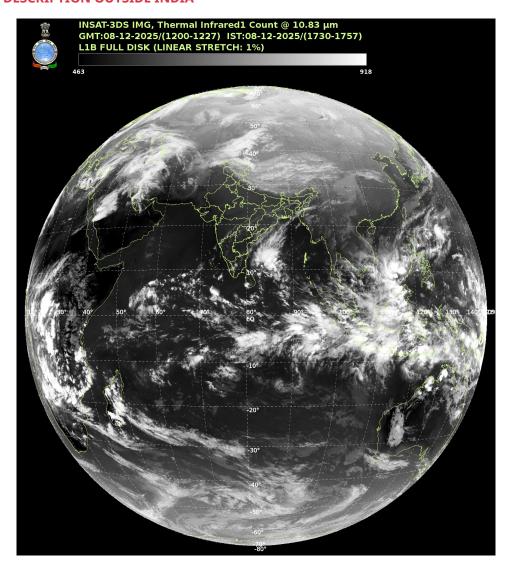
ARABIAN SEA

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

BAY OF BENGAL & ANDAMAN SEA

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

CLOUD DESCRIPTION OUTSIDE INDIA



SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SRI LANKA MALDIVES AREA EXTREME NORTH PAK NEPAL TIBET CHINA EAST CHINA SEA MYANMAR THAILAND GULF OF THAILAND CAMBODIA VIETNAM 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 15.0S LONG 40.0E TO 120.0E AND BET LAT 20.0S TO 35.0S LONG 40.0E TO 80.0E (.)

TOO 08/1830 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 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 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 JBK 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 SKM SIKKIM ARUPR ARUNACHAL PRADESH ASSAM ASSAM MEGHA MEGHALAYA MANI MANIPUR MIZO MIZORAM TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH GUJ GUJARAT				
BKN BROKEN (51 TO 75%) SLD SOLID (GREATER THAN 75%) CLOUDS TOP TEMPERATURE CTT CLOUD 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) 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 TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	ISOL	ISOLATED (LESS THAN 25%)		
SLD SOLID (GREATER THAN 75%) CLOUDS TOP TEMPERATURE CIT 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 JAMMU AND KASHMIR HP HIMACHAL PRADESH UTRKND UTTARAKHAND PJB PUNJAB 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 TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	SCT	SCATTERED (25 TO 50%)		
CLOUDS TOP TEMPERATURE CIT 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 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 TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	BKN	BROKEN (51 TO 75%)		
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) 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 TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	SLD	SOLID (GREATER THAN 75%)		
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 TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	CLOUDS TOP TEN	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 SHWB SUB-HIMALAYAN WEST BENGAL SKM SIKKIM ARUPR ARUNACHAL PRADESH MEGHA MEGHALAYA MANI MANIPUR MIZO MIZORAM TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	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 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 TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	CONVECTION	CONVECTION		
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 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 TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	WK CONVTN	WEAK CONVECTION (CTT GREATER THAN -25°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 ASSAM ASSAM MEGHA MEGHALAYA MANI MANIPUR MIZO MIZORAM TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	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 TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	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 TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	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 MEGHA MEGHALAYA MANI MANIPUR MIZO MIZORAM TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	METEOROLOGICAL SUB-DIVISIONS, STATES & UNION TERRITORIES			
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 TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	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 TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	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 TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	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 MEGHA MEGHALAYA MANI MANIPUR MIZO MIZORAM TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	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 TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	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 TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	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 TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	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 TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	JHRKND	JHARKHAND		
GWB GANGETIC WEST BENGAL SHWB SUB-HIMALAYAN WEST BENGAL SKM SIKKIM ARUPR ARUNACHAL PRADESH ASSAM ASSAM MEGHA MEGHALAYA MANI MANIPUR MIZO MIZORAM TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	СНТСН	CHHATTISGARH		
SHWB SUB-HIMALAYAN WEST BENGAL SKM SIKKIM ARUPR ARUNACHAL PRADESH ASSAM ASSAM MEGHA MEGHALAYA MANI MANIPUR MIZO MIZORAM TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	ORS	ORISSA		
SKM SIKKIM ARUPR ARUNACHAL PRADESH ASSAM ASSAM MEGHA MEGHALAYA MANI MANIPUR MIZO MIZORAM TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	GWB	GANGETIC WEST BENGAL		
ARUPR ARUNACHAL PRADESH ASSAM ASSAM MEGHA MEGHALAYA MANI MANIPUR MIZO MIZORAM TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	SHWB	SUB-HIMALAYAN WEST BENGAL		
ASSAM ASSAM MEGHA MEGHALAYA MANI MANIPUR MIZO MIZORAM TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	SKM	SIKKIM		
MEGHA MEGHALAYA MANI MANIPUR MIZO MIZORAM TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	ARUPR	ARUNACHAL PRADESH		
MANI MANIPUR MIZO MIZORAM TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	ASSAM	ASSAM		
MIZO MIZORAM TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	MEGHA	MEGHALAYA		
TRP TRIPURA RAJ RAJASTHAN MP MADHYA PRADESH	MANI	MANIPUR		
RAJ RAJASTHAN MP MADHYA PRADESH	MIZO	MIZORAM		
MP MADHYA PRADESH	TRP	TRIPURA		
	RAJ	RAJASTHAN		
GUJ GUJARAT	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	