

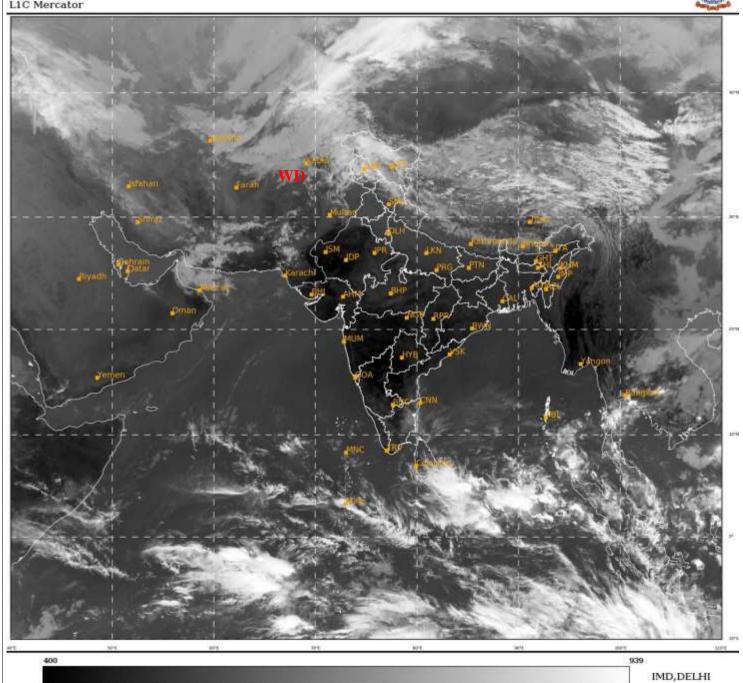
भारत मौसम विज्ञान विभाग पृथ्वी विज्ञान मंत्रालय India Meteorological Department Ministry of Earth Sciences



SATELLITE BULLETIN BASED ON SATELLITE IMAGERIES AND PRODUCTS 14.02.2022 TIME 0600 UTC

SAT : INSAT-3D IMG IMG_TIR1 10.8 um L1C Mercator 14-02-2022/(0600 to 0627) GMT 14-02-2022/(1130 to 1157) IST



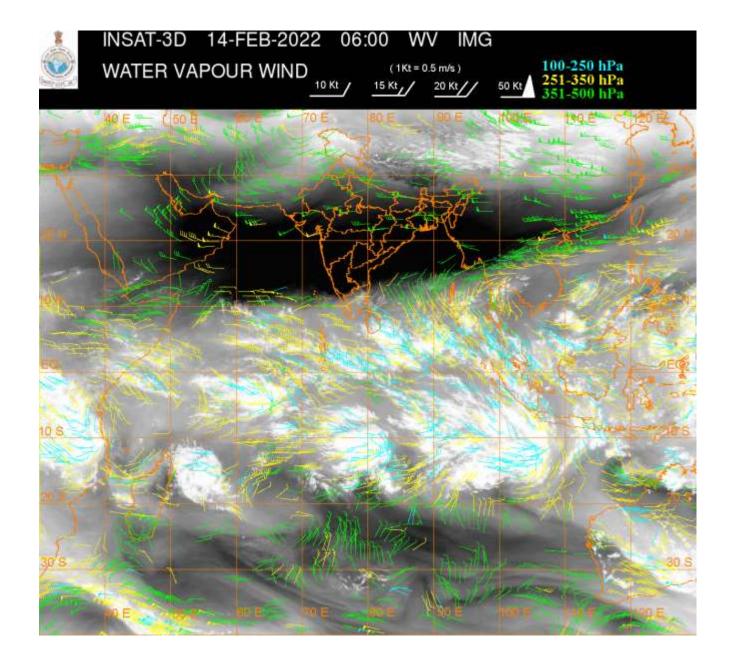


TCIN50 DEMS 140600 SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 140600 UTC (.) REGION COVERED BETWEEN LAT 50.0°N TO 30.0°S AND LONG 40.0°E TO 125.0°E (.)

SALIENT FEATURES:-

WESTERN DISTURBANCE (WD):-

SCT MULTILAYERED CLOUDS OVER AFGAN N PAK J&K LADAKH AND N/HOOD IN ASSW $\overline{\text{WD}}$ OVER THE AREA (.)



CLOUDS DESCRIPTION WITHIN INDIA:-

NORTH:-

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

EAST:-

SCT LOW/MED CLOUDS WITH EMBDD ISOL WK CONVTN OVER SKM W ARUPR (.) ISOL LOW/MED CLOUDS OVER N SHWB E ARUPR (.)

WEST:-

NO SIGNIFICANT CLOUDS OVER THE REGION (.)

SOUTH:-

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

ARABIAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SOUTH ARSEA AND ISOL WK TO MOD CONVTN OVER EXT NW ARSEA & COMORIN (.) SCT LOW/MED CLOUDS OVER REST ARSEA (.)

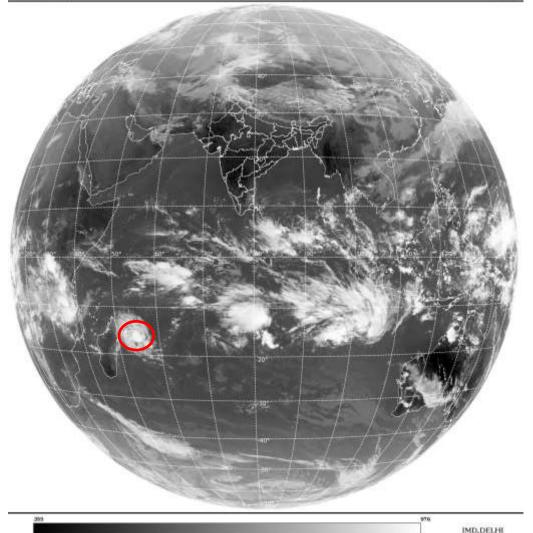
BAY OF BENGAL & ANDAMAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER SOUTH BAY SOUTH OF LAT 8.0N AND S ANDAMAN SEA (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER N ANDAMAN SEA AND ISOL WK CONVTN OVER REST SOUTH BAY (.) SCT LOW/MED CLOUDS OVER CENTRAL BAY (.)

CLOUDS DESCRIPTION OUTSIDE INDIA:-

SAT : INSAT-3D IMG Thermal Infrared1 Count 10.8 um L18 FULL DISK 14-02-2022/(0600 to 0627) GMT 14-02-2022/(1130 to 1157) IST





VORTEX (DUMAKO) OVER SOUTH INDIAN OCEAN:-

VORTEX (DUMAKO) OVER SOUTH INDIAN OCEAN CENTERED NEAR 16.18 / 55.3E (.) INTENSITY T3.0/3.0 (.) ASSTD BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER AREA BET LAT 12.0N TO LAT 19.0S LONG 51.0E TO 58.0E (.)

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER S SRI LANKA MALDIVES TIBET CHINA E CHINA SEA EXT S MYANMAR S THAILAND GULF OF THAILAND CAMBODIA S VIETNAM SUMATRA STR OF MALACCA MALASIYA BORNEO SOUTH CHINA SEA JAVA ILS & SEA CELEBES ILS & SEA PHILIPPINES SULU SEA N MADAGASCAR N MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN LAT 5.0N TO LAT 20.0S LONG 50.0E TO 120.0E (.)

TOO 14/1230 HRS IST=

NNNN

LEGEND:-

	NORTH	J&K HP PJB HARY DLH UP UTRKND
REGION	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 SCT SCATTERED (2S TO 50%) BKN BROKEN (SI TO 75%) SLD SOLID (GREATER THAN 75%) CLOUDS TOP TEMPERATURE WK CONVTN WEAK CONVECTION (CTI GREATER THAN -25°C) MOD CONVEN MODERATE CONVECTION (CTI BETWEEN 25°C TO -40°C) INT CONVIN INTENSE CONVECTION (CTI BETWEEN 25°C TO -40°C) INT CONVIN VERY INTENSE CONVECTION (CTI BETWEEN 25°C TO -40°C) INT CONVIN VERY INTENSE CONVECTION (CTI BETWEEN 25°C TO -40°C) WI NIT CONVIN VERY INTENSE CONVECTION (CTI BETWEEN 24°C TO -70°C) WINTON TERITORIES METEOROLOGICAL SUB- DIVISIONS, STATES & UNION TERITORIES BHR BIHAR CHTGH CHIHATTISGARH COTL AP COASTAL ANDHRA PRADESH COTL AP COASTAL ANDHRA PRADESH COTL AP 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 MMAHA MADHYA MAHARASHITRA MAHA MAHARASHITRA MANI MANIPUR MEGHA MEGHALAYA MIZO MIZORAM MP MADHYA PRADESH MRTHWD MARATHWADA NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH MRTHWD MARATHWADA NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA PUB PUNNAB		ISOL	ISOLATED (LESS THAN 25%)
BKN BROKEN (51 TO 75%)			
SLD	CLOUD DISTRIBUTION		
CLOUDS TOP TEMPERATURE CONVECTION WK CONVIN WEAK CONVECTION (CTT GREATER THAN -25°C) MOD CONVIN MODERATE CONVECTION (CTT GREATER THAN -25°C) MOD CONVIN MODERATE CONVECTION (CTT BETWEEN -25°C TO -40°C) INT CONVIN MINENSE CONVECTION (CTT BETWEEN -41°C TO -70°C) VINT CONVIN (CTT BETWEEN -41°C TO -70°C) VINT CONVIN (CTT LESS THAN -70°C) ARUPR ARUNACIAL PRADESH BIHAR CHIGH 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 JÜRKND JHARKHAND KER KERALA KKN KONKAN LKSDP LAKSHADWEEP M MAHA MAHARASHITRA MANI MANIPUR MEGHA MEGHALAYA MIZO MIZORAM MP MADHYA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA ORISSA			, ,
TEMPERATURE	OI OUDG TOD		, , , , , , , , , , , , , , , , , , ,
(CTT GREATER THAN - 25°C)			CLOUD TOT TEMPERATURE
MOD CONVEN (CTT BETWEEN - 25°C TO -40°C) INT CONVTN (CTT BETWEEN - 25°C TO -40°C) INT CONVTN (CTT BETWEEN - 41°C TO -70°C) V INT CONVTN (CTT BETWEEN - 41°C TO -70°C) V INT CONVTN VERY INTENSE CONVECTION (CTT LESS THAN -70°C) ARUPR ARUNACHAL PRADESH BIHR 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 JÆK JAMMU AND KASHMIR JHRKND JHARKHAND KER KERALA KKN KONKAN LKSDP LAKSHADWEEP M MAHA MAHARASHTRA MAHA 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		WK CONVTN	
CCTT BETWEEN -25°C TO -40°C)	CONVECTION	MOD CONVTN	,
VINT CONVTN VERY INTENSE CONVECTION			(CTT BETWEEN -25°C TO -40°C)
ARUPR ARUNACHAL PRADESH		INT CONVTN	
METEOROLOGICAL SUB- DIVISIONS, STATES & UNION TERITORIES BHR BHR BHAR CHTGH CHHATTISGARH COTL AP COASTAL ANDHRA PRADESH COTL KRNTK COASTAL ANDHRA PRADESH COTL ORS 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 MAHA MAHARASHTRA MANI MANI MEGHA MEGHA MEGHALAYA MIZO MIZORAM MP MADHYA PRADESH NKTHWD MARATHWADA NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA		V INT CONVTN	
UNION TERITORIES 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		ARUPR	
CHTGH CHATTISGARH 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 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		BHR	BIHAR
COTL KRNTK 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 MMAHA MADHYA MAHARASHTRA MAHA MAHA MAHARASHTRA MANI MANIUR MEGHA MEGHALAYA MIZO MIZORAM MP MADHYA PRADESH MRTHWD NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA		СНТСН	CHHATTISGARH
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 MMAHA 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		COTL AP	COASTAL ANDHRA PRADESH
GUJ 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 MAHA MAHARASHTRA MANI 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		COTL KRNTK	COASTAL KARNATAKA
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 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		COTL ORS	COASTAL ORISSA
HARY DLH DELHI HP HIMACHAL PRADESH J&K JAMMU AND KASHMIR JHRKND JHARKHAND KER KERALA KKN KONKAN LKSDP LAKSHADWEEP M MAHA MAHA MAHARASHTRA MANI MANI MEGHA MEGHA MIZO MIZORAM MP MADHYA PRADESH MRTHWD MAGA NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA		GUJ	GUJARAT
DLH HP HIMACHAL PRADESH J&K JAMMU AND KASHMIR JHRKND JHARKHAND KER KERALA KKN KONKAN LKSDP LAKSHADWEEP M MAHA MAHA MAHARASHTRA MANI MANIPUR MEGHA MIZO MIZORAM MP MADHYA PRADESH MRTHWD MAGA NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA		GWB	GANGETIC WEST BENGAL
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		HARY	HARYANA
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		DLH	DELHI
JHRKND KER KERALA KKN KONKAN LKSDP LAKSHADWEEP M MAHA MAHA MAHARASHTRA MAHA MAHA MAHARASHTRA MANI MEGHA MEGHALAYA MIZO MIZORAM MP MADHYA PRADESH MRTHWD MARATHWADA NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA		HP	HIMACHAL PRADESH
KER KKN KONKAN LKSDP LAKSHADWEEP M MAHA MAHA MAHARASHTRA MAHA MANI MANIPUR MEGHA MEGHALAYA MIZO MIZORAM MP MADHYA PRADESH MRTHWD MARATHWADA NAGA NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA		J&K	JAMMU AND KASHMIR
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		JHRKND	JHARKHAND
LKSDP LAKSHADWEEP M MAHA MAHA MAHARASHTRA MANI MANI MEGHA MEGHALAYA MIZO MIZORAM MP MADHYA PRADESH MRTHWD MARATHWADA NAGA NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA		KER	KERALA
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		KKN	KONKAN
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		LKSDP	LAKSHADWEEP
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		M MAHA	MADHYA MAHARASHTRA
MEGHA MEGHALAYA MIZO MIZORAM MP MADHYA PRADESH MRTHWD MARATHWADA NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA		МАНА	MAHARASHTRA
MIZO MIZORAM MP MADHYA PRADESH MRTHWD MARATHWADA NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA		MANI	MANIPUR
MP MADHYA PRADESH MRTHWD MARATHWADA NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA		MEGHA	MEGHALAYA
MRTHWD MARATHWADA NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA		MIZO	MIZORAM
NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA		MP	MADHYA PRADESH
N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA		MRTHWD	MARATHWADA
NIK NORTH INTERIOR KARNATAKA ORS ORISSA		NAGA	NAGALAND
ORS ORISSA		N COTL AP	NORTH COASTAL ANDHRA PRADESH
		NIK	NORTH INTERIOR KARNATAKA
PJB PUN.IAB		ORS	ORISSA
1 1 1 1		РЈВ	PUNJAB
RAJ RAJASTHAN		RAJ	RAJASTHAN
RYLSM RAYALASEEMA		RYLSM	RAYALASEEMA
SAU & KUTCH SAURASHTRA & KUTCH		SAU & KUTCH	SAURASHTRA & KUTCH
SHWB SUB-HIMALAYAN WEST BENGAL		SHWB	SUB-HIMALAYAN WEST BENGAL
SIK SOUTH INTERIOR KARNATAKA			
SKM SIKKIM		SKM	SIKKIM

	TLNGN	TELANGANA
	TN	TAMIL NADU
	TRP	TRIPURA
	UP	UTTAR PRADESH
	UTRKND	UTTARAKHAND
	VID	VIDHARBHA
	SHWB	SUB HIMALAYAN WEST BENGAL
	GWB	GANGETIC WEST BENGAL
	ARSEA	ARABIAN SEA
	ILS	ISLANDS
MISCELLANEOUS	ASSW	IN ASSOCIATION WITH
	ASSTD	ASSOCIATED
	LLC	LOW LEVEL CIRCULATION
	EMBDD	EMBEDDED
	N/HOOD	NEIGHBOURHOOD
	EXT	EXTREME