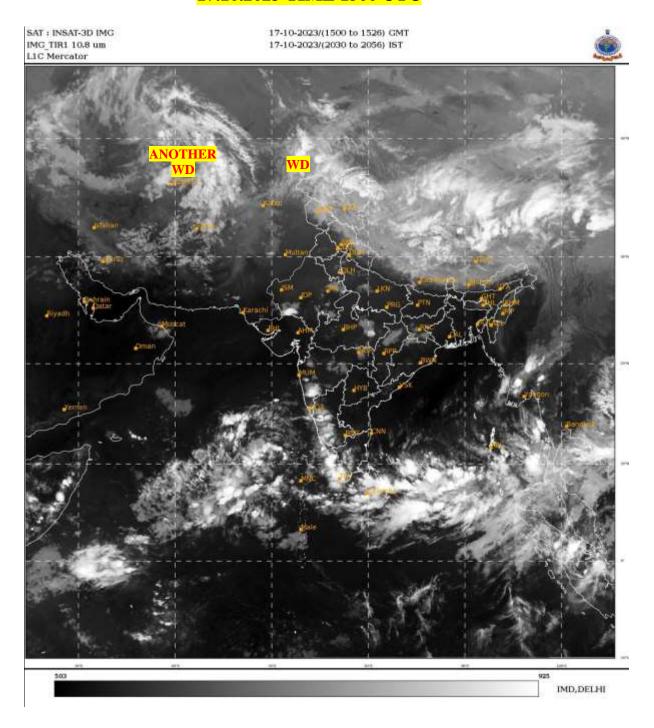


भारत मौसम विज्ञान विभाग पृथ्वी विज्ञान मंत्रालय India Meteorological Department Ministry of Earth Sciences



SATELLITE BULLETIN BASED ON SATELLITE <u>IMAGERIES AND PRODUCTS</u> 17.10.2023 TIME 1500 UTC



TCIN50 DEMS 171500 SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 171500 UTC (.) REGION COVERED BETWEEN LAT 50.0°N TO 35.0°S AND LONG 40.0°E TO 125.0°E (.)

SALIENT FEATURES:-

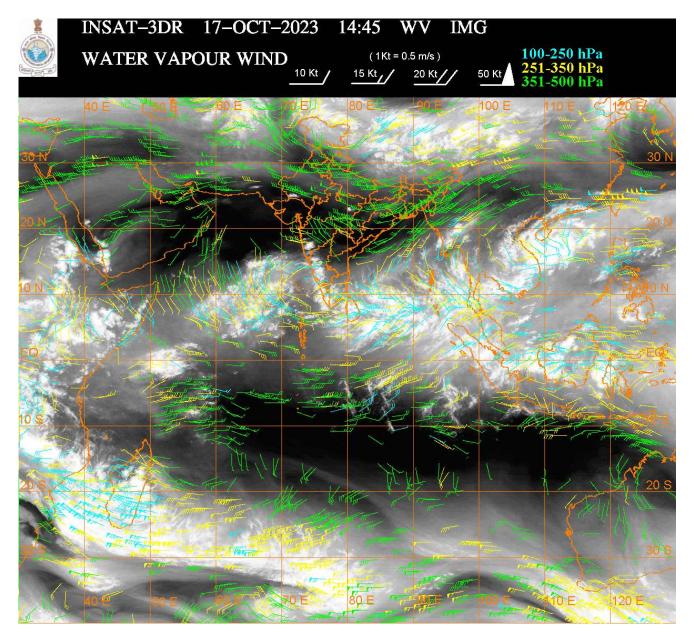
WESTERN DISTURBANCE (WD):-

SCT TO BKN MULTILAYERED CLOUDS OVER LADAKH J&K HP NE RAJ W UP UTRKND IN ASSW $\overline{\text{WD}}$ OVER THE AREA (.)

SCT MULTILAYERED CLOUDS OVER TURKMENISTAN E IRAN AND N/HOOD IN ASSW ANOTHER WD OVER THE AREA (.)

THUNDERSTORM / CONVECTIVE ACTIVITY:-

MODERATE TO INTENSE THUNDERSTORM / CONVECTIVE ACTIVITY OBSERVED OVER S KKN GOA COTL KRNTK ADJ SIK KER S TN (.)



CLOUDS DESCRIPTION WITHIN INDIA:

NORTH:-

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

EAST:-

SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER N CHTGH S JHRKND SKM ARUPR E MEGHA (.) SCT LOW/MED CLOUDS OVER BHR S CHTGH ORS GWB SHWB REST NE STATES & BD (.)

WEST:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER EXT SW RAJ S KKN GOA (.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER E RAJ E MP S M MAHA MRTHWD NE VID (.) SCT LOW/MED CLOUDS OVER GUJ REST MAHA (.)

SOUTH:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER KER (MINIMUM CTT MINUS 73 DEG CEL) (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER W KRNTK S ADJ C TN NICOBAR ILS AND WK TO MOD CONVTN OVER LKSDP ILS (.) SCT LOW/MED CLOUDS OVER TLNGN REST TN RYLSM COTL AP (.)

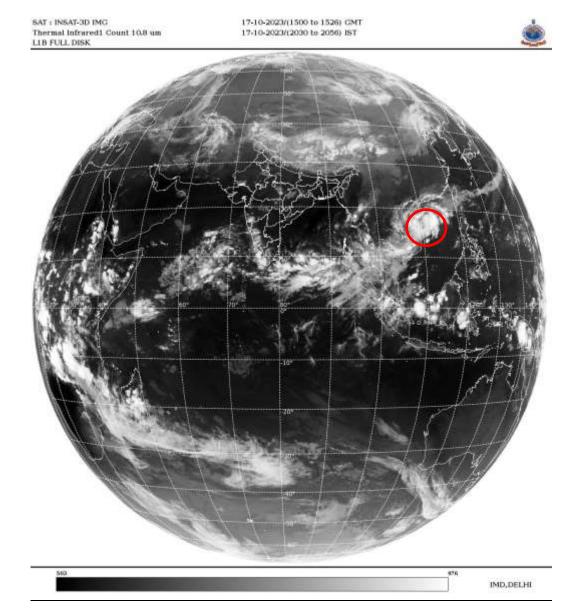
ARABIAN SEA:-

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

BAY OF BENGAL & ANDAMAN SEA:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER SOUTH BAY AND MOD TO INT CONVTN OVER EC BAY ANDAMAN SEA (.)

CLOUDS DESCRIPTION OUTSIDE INDIA:-



VORTEX OVER SOUTH CHINA SEA (EAST OF VIETNAM):-

VORTEX OVER SOUTH CHINA SEA (AREA F05) WITH CENTERED NEAR 15.7N / 109.5E (.) INTENSITY T1.5/1.5 (.) CORRESPONDING MAXIMUM SUSTAINED WINDS UPTO 17-27 KTS (.) ASSTD SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER AREA BET LAT 14.0N TO 20.0N LONG 107.0E TO 114.0E AND VIETNAM HAINAN (.)

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SRI LANKA NORTH MALDIVES N NEPAL TIBET CHINA S MYANMAR 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 6.0S LONG 45.0E TO 100.0E (.)

TOO	17	/2130	HRS	IST=
$\mathbf{I} \mathbf{O} \mathbf{O}$	1	14150		$\mathbf{I} \cup \mathbf{I} -$

NNNN

LEGEND:-

NORTH J&K HP PJB HARY DLH UP UTRKND

NORTH- EAST STATES WEST RAJ MP GUJ MAHA GOA SOUTH TINGN AP KRNTK KER TN LKSI ANDAMAN & NICOBAR ILS ISOL ISOLATED (LESS THAN 25%) SCT SCATTERED (25 TO 59%) BEN BROKEN (51 TO 75%) SLD SOLID (GREATER THAN 75%) CLOUDS TOP TEMPERATURE WE CONVETTION WE CONVECTION (CTT GEATER THAN -25°C) MOD CONVIN WE REST ON VECTION (CTT BETWEEN -25°C TO -40°C) INT CONVIN CONTIN CONTIN TERMSE CONVECTION (CTT LESS THAN -70°C) WE TEOROLOGICAL SUB- DIVISIONS, STATES & UNION TERTITORIES BHR BIHAR CHTGH CHHATTISGARH COTL AP COASTAL ANDHRA PRADESH BHR BIHAR CHTGH CHHATTISGARH COTL AP COASTAL ANDHRA PRADESH TOWN TOW				
SOUTH	REGION	EAST	BHR JHRKND CHTGH OR WB SKM NORTH- EAST STATES	
ANDAMAN & NICOBAR ILS ISOL		WEST	RAJ MP GUJ MAHA GOA	
SOL		SOUTH	TLNGN AP KRNTK KER TN LKSDP ANDAMAN & NICOBAR II S	
CLOUD DISTRIBUTION BKN BROKEN (\$1 TO 75%) SLD SOLID (GREATER THAN 75%) CLOUDS TOP TEMPERATURE WK CONVTN CLOUD TOP TEMPERATURE WK CONVTN (CTT GREATER THAN -25_C) MOD CONVECTION (CTT GREATER THAN -25_C) MOD CONVTN (CTT BETWEEN -25_C) TO 40_CC INT CONVTN (CTT BETWEEN -25_C) TO 40_CC INT CONVTN (CTT BETWEEN -25_C) TO 40_CC VINT CONVTN (CTT BETWEEN -25_C) CONVECTION (CTT BETWEEN -25_C) TO 40_CC VINT CONVTN (CTT BETWEEN -25_C) CONT BETWEEN -25_C VINT CONVTN (CTT BETWEEN -25_C) METHOD TO 40_CTT BETWEEN -25_C VINT CONVTN (CTT BETWEEN -25_C) CONT BETWEEN -25_C VINT CONVTN (CTT BETWEEN -25_C		ISOL		
SLD SOLID (GREATER THAN 75%) CLOUDS TOP TEMPERATURE WK CONVTN CLOUD TOP TEMPERATURE WK CONVTN CTT GREATER THAN -25 C) MOD CONVIN MODERATE CONVECTION (CTT BETWEEN .25 C 10 - 40		SCT	SCATTERED (25 TO 50%)	
CLOUDS TOP TEMPERATURE WK CONVTN WEAK CONVECTION (CTT GREATER THAN -25CC) MOD CONVTN INTENSE CONVECTION (CTT BETWEEN -25CC TO -40CC INT CONVTN INTENSE CONVECTION (CTT BETWEEN -41CC TO -70CC VINT CONVTN WERY INTENSE CONVECTION (CTT BETWEEN -41CC TO -70CC VINT CONVTN WERY INTENSE CONVECTION (CTT LESS THAN -70CC) ARUPR ARUNACHAL PRADESH BHR BHAR CHTGH CHHATTISGARH COTL AP COASTAL ANDHRA PRADESH COTL KRNTK COASTAL ANDHRA PRADESH COTL KRNTK 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 MAHARASHTRA MAHA MAHARASHTRA MAHA MAHARASHTRA MAHA MAHARASHTRA MAHA MAHARASHTRA MANI MANI MANIUR MEGHA MIZO MIZO MIZO MIZO MIZO MIZO MIZORAM MP MADHYA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA	CLOUD DISTRIBUTION	BKN	BROKEN (51 TO 75%)	
TEMPERATURE WK CONVET (CTT GREATER THAN -25 III) MOD CONVIN (CTT GREATER THAN -25 IIII) MOD CONVIN (CTT BETWEEN -25 III TO 40 IIII TO NOVIN (CTT BETWEEN -25 IIII TO NOVIN (CTT BETWEEN -41 IIII TO NOVIN (CTT LESS THAN -70 IIII) METEOROLOGICAL SUB-DIVISIONS, STATES & UNION (CTT LESS THAN -70 IIII) METEOROLOGICAL SUB-DIVISIONS, STATES & UNION (CTT LESS THAN -70 IIII) BHR BIHAR COTL AP COASTAL ANDHRA PRADESH 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		SLD	SOLID (GREATER THAN 75%)	
WK CONVTN (CTT GREATER THAN -25 LC) MOD CONVTN (CTT GREATER THAN -25 LC) MOD CONVTN (CTT BETWEEN -25 LC TO -40 LC) INT CONVTN (CTT BETWEEN -25 LC TO -40 LC) INT CONVTN (CTT BETWEEN -41 LC TO -70 LC) VINT CONVTN (CTT LESS THAN -70 LC) METEOROLOGICAL SUB- DIVISIONS, STATES & UNION TERITORIES ARUPR ARUNACHAL PRADESH BHR BIHAR CHTCH CHHATTISGARH COTL AP COASTAL ANDHRA PRADESH COTL AP COASTAL ANDHRA PRADESH COTL 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		CTT	CLOUD TOP TEMPERATURE	
CONVECTION MOD CONVENT MODERATE CONVECTION		WK CONVTN	WEAK CONVECTION	
CCTT BETWEEN -25 IC TO -40 INT CONVTN	CONVECTION		(CTT GREATER THAN −25□C)	
METEOROLOGICAL SUB-DIVISIONS, STATES & UNION TERITORIES BHR BIHAR CHHATTISGARH COTL ARY HARYANA COTL ARY HARYANA DLH DELHI HP HIMACHAL PRADESH JAKK JAMMU AND KASHMIR JHRKND JHARKHAND KER KERALA KKN KONKAN LKSDP LAKSHADWEEP M MAHA MAHARASHTRA MANI MANIPUR MEGHA MEGHALAYA MIZO MIZORAM MP MADHYA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA (COTL AP COASTAL ANDHRA PRADESH COTL KRNTK COASTAL ANDHRA PRADESH MRTHWD MARATHWADA NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA			(CTT BETWEEN -25□C TO -40□C)	
METEOROLOGICAL SUB- DIVISIONS, STATES & 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 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			(CTT BETWEEN -41 □ C TO -70 □ C)	
METEOROLOGICAL SUB-DIVISIONS, STATES & UNION TERITORIES ARUPR BHR BIHAR CHTGH CHHATTISGARH COTL AP COASTAL ANDHRA PRADESH COTL KRNTK COASTAL ARNATAKA COTL ORS COASTAL ORISSA GUJ GUJARAT GWB GANGETIC WEST BENGAL HARY HARYANA DLH HP HIMACHAL PRADESH J&K JAMMU AND KASHMIR JHRKND JHARKHAND KER KERALA KKN KONKAN LKSDP LAKSHADWEEP M 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		V INT CONVTN		
SUB- DIVISIONS, STATES & UNION TERITORIES BHR 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 MAHARASHTRA MAHA MAHARASHTRA 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	METEOROLOGICAL	ARUPR		
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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 MRTHWD MAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA	ILMITORIES	COTL AP	COASTAL ANDHRA PRADESH	
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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		COTL ORS	COASTAL ORISSA	
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DLH HP HIMACHAL PRADESH J&K JAMMU AND KASHMIR JHRKND JHARKHAND KER KERALA KKN KONKAN LKSDP LAKSHADWEEP M MAHA MAHA MAHARASHTRA MANI MANIPUR MEGHA MEGHALAYA MIZO MIZORAM MP MADHYA PRADESH MRTHWD MAGALAND NAGA NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA		GWB	GANGETIC WEST BENGAL	
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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 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 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	
PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA		NAGA	NAGALAND	
NIK NORTH INTERIOR KARNATAKA ORS ORISSA		N COTL AP		
		NIK	NORTH INTERIOR KARNATAKA	
PJB PUNJAB		ORS	ORISSA	
1 - 1		PJB	PUNJAB	
RAJ RAJASTHAN		RAJ	RAJASTHAN	

	RYLSM	RAYALASEEMA
	SAU & KUTCH	SAURASHTRA & KUTCH
	SHWB	SUB-HIMALAYAN WEST BENGAL
	SIK	SOUTH INTERIOR KARNATAKA
	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