



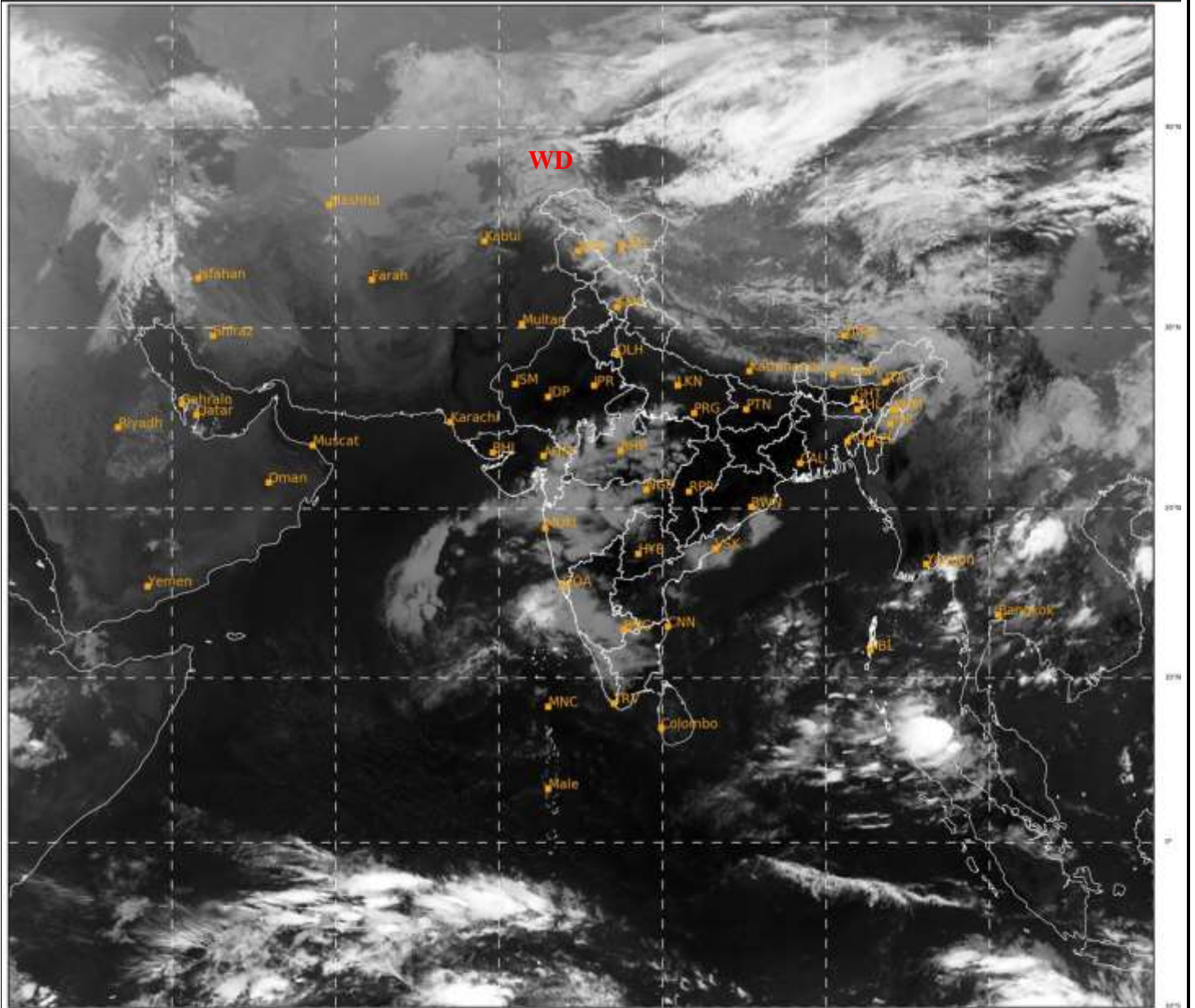
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय
India Meteorological Department
Ministry of Earth Sciences



**SATELLITE BULLETIN BASED ON SATELLITE
IMAGERIES AND PRODUCTS**
24.03.2022 TIME 0300 UTC

SAT : INSAT-3D IMG
IMG_TIR1 10.8 um
LIC Mercator

24-03-2022/(0300 to 0326) GMT
24-03-2022/(0830 to 0856) IST



461

928

IMD, DELHI

TCIN50 DEMS 240300

SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 240300 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 N PAK J&K LADAKH HP PJB UTRKND AND N/HOOD IN ASSW **WD** OVER THE AREA (.)

PRECIPITATION NOWCASTING:-

(BASED ON SCOPE NOWCASTING TOOL AT A LEAD TIME OF 180 MINUTES):-

RAINFALL NOT OBSERVED OVER INDIA (.)



INSAT-3D 24-MAR-2022 03:00 WV IMG

WATER VAPOUR WIND

(1Kt = 0.5 m/s)

10 Kt

15 Kt

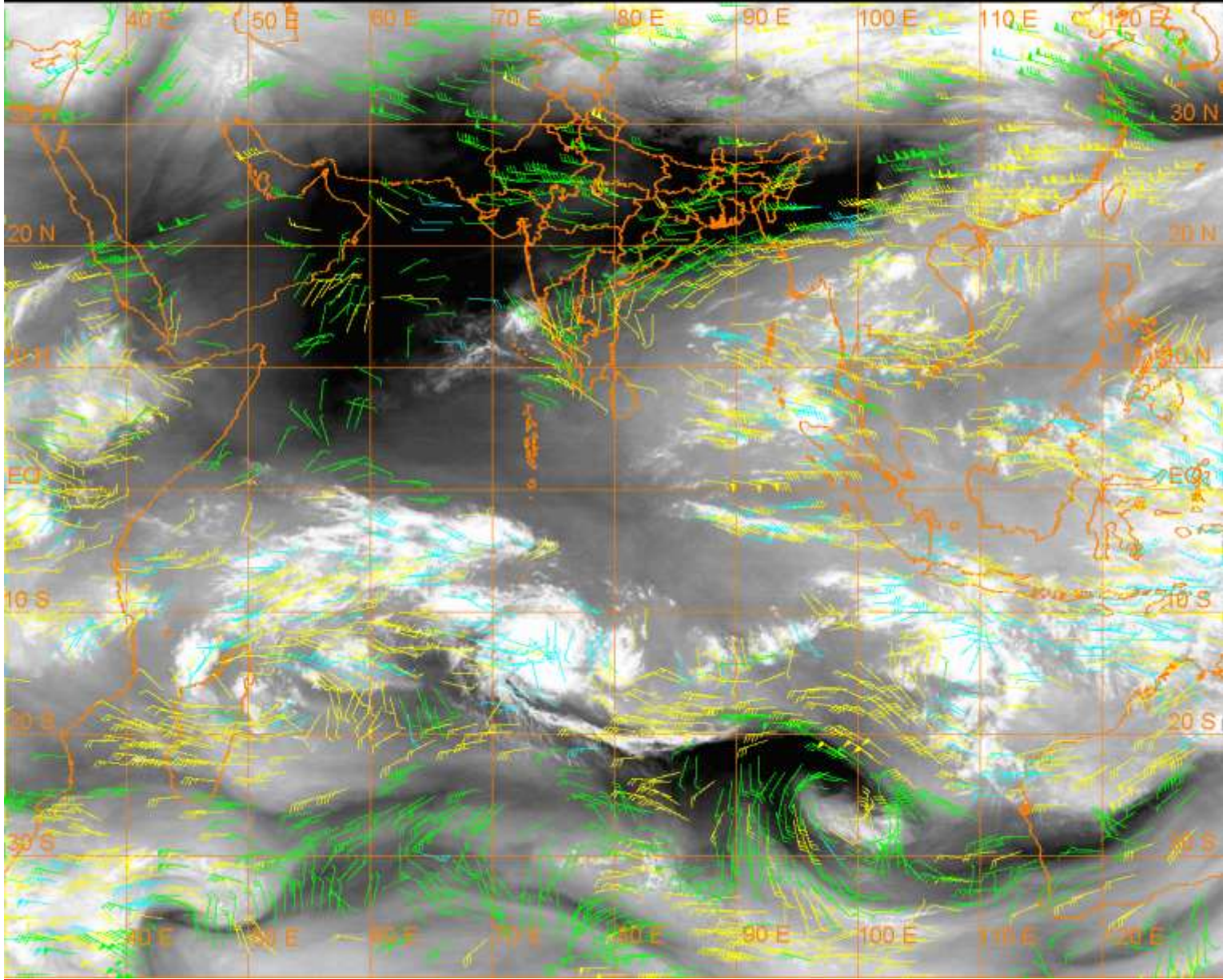
20 Kt

50 Kt

100-250 hPa

251-350 hPa

351-500 hPa



CLOUDS DESCRIPTION WITHIN INDIA:-

NORTH:-

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

EAST:-

SCT LOW/MED CLOUDS WITH EMBDD WK CONVTN OVER COTL ORS SKM ARUPR NE & SE ASSAM NAGA MANI MEGHA & EXT EC BD (.) ISOL TO SCT LOW/MED CLOUDS OVER REST ORS N SHWB REST NE STATES (.)

WEST:-

SCT LOW/MED CLOUDS WITH EMBDD WK CONVTN OVER S RAJ MP SW & E GUJ MAHA GOA (.)

SOUTH:-

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

ARABIAN SEA:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER EC ARSEA OFF KRNTK COAST (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER REST EAST ARSEA AND GULF OF CAMBAY (.) SCT LOW/MED CLOUDS OVER SW ARSEA (.)

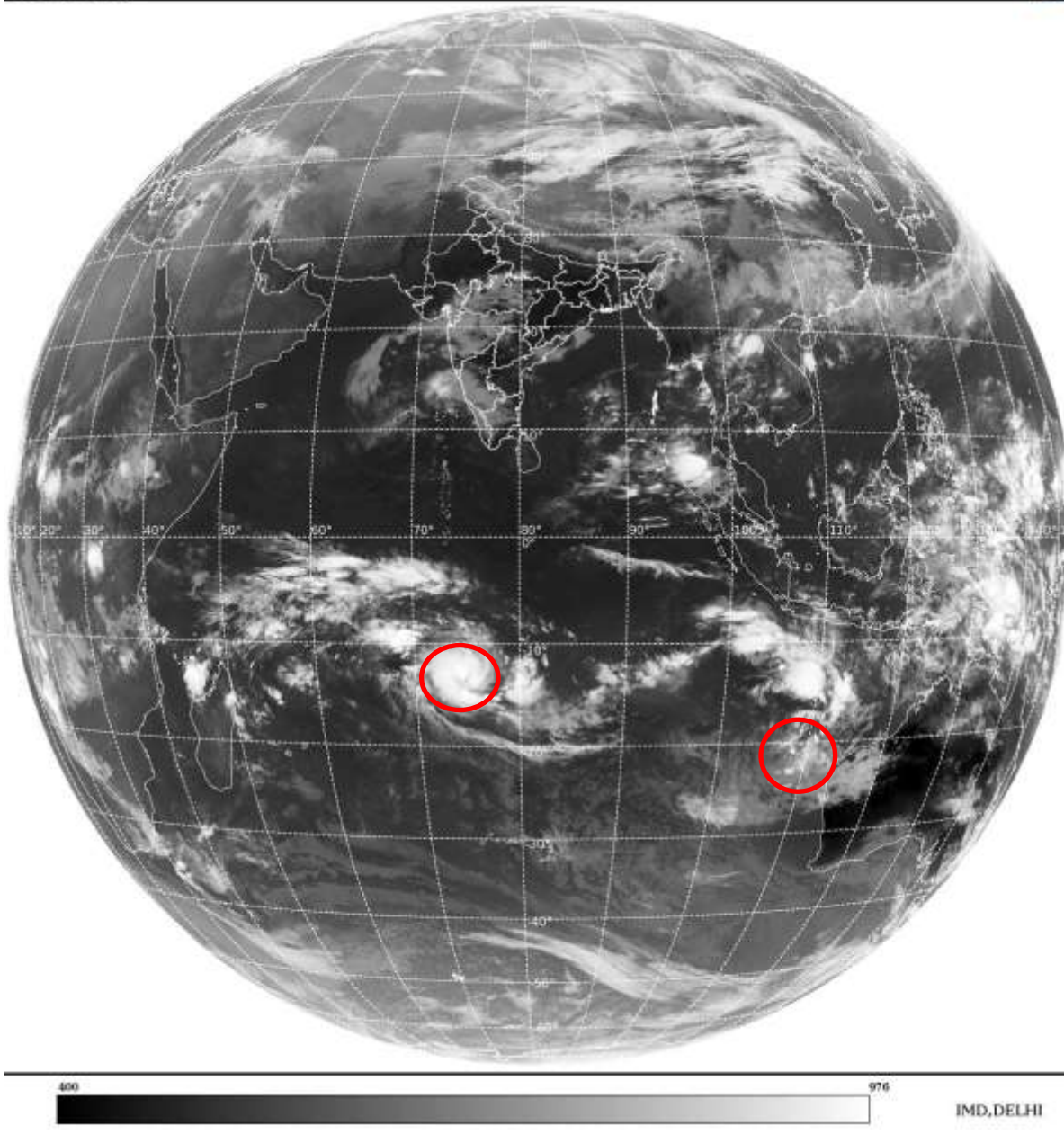
BAY OF BENGAL & ANDAMAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER S ANDAMAN SEA AND MOD TO INT CONVTN OVER SE BAY N ANDAMAN SEA GULF OF MARTABAN (.) SCT LOW/MED CLOUDS WITH EMBDD WK CONVTN OVER NW & WC BAY OFF S ORS-AP COASTS AND EC BAY (.) SCT LOW/MED CLOUDS OVER SW BAY (.)

CLOUDS DESCRIPTION OUTSIDE INDIA:

SAT : INSAT-3D IMG
Thermal Infrared1 Count 10.8 um
L1B FULL DISK

24-03-2022/(0300 to 0326) GMT
24-03-2022/(0830 to 0856) IST



VORTEX OVER SOUTH INDIAN OCEAN:-

VORTEX (**CHARLOTTE**) OVER SOUTH INDIAN OCEAN CENTERED NEAR **20.2S / 107.4E** (.) INTENSITY **T1.5/2.0** (.) ASSTD SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER AREA BET LAT 18.0S TO 23.0S LONG 108.0E TO 113.0E (.)

ANOTHER VORTEX (**HALIMA**) OVER SOUTH INDIAN OCEAN CENTERED NEAR **13.0S / 75.2E** (.) INTENSITY **T3.5/3.5** (.) ASSTD BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER AREA BET LAT 10.0S TO 16.0S LONG 70.0E TO 77.0E (.)

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER TIBET CHINA YELLOW SEA E CHINA SEA TAIWAN MYANMAR THAILAND GULF OF THAILAND CAMBODIA LAOS VIETNAM GULF OF TONKIN HAINAN SUMATRA STR OF MALACCA MALAYSIA BORNEO S CHINA SEA JAVA ILS & SEA CELEBES ILS & SEA PHILIPPINES SULU SEA MADAGASCAR N MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET EQ TO LAT 20.0S LONG 50.0E TO 80.0E AND BET LAT 5.0N TO 20.0S LONG 80.0E TO 120.0E (.)

TOO 24/0940 HRS IST=

NNNN

LEGEND:-

REGION	NORTH	J&K HP PJB HARY DLH UP UTRKND
	EAST	BHR JHRKND CHTGH OR 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	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	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 PRADESH
	NIK	NORTH INTERIOR KARNATAKA
	ORS	ORISSA
	PJB	PUNJAB
	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
	UTRKN	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