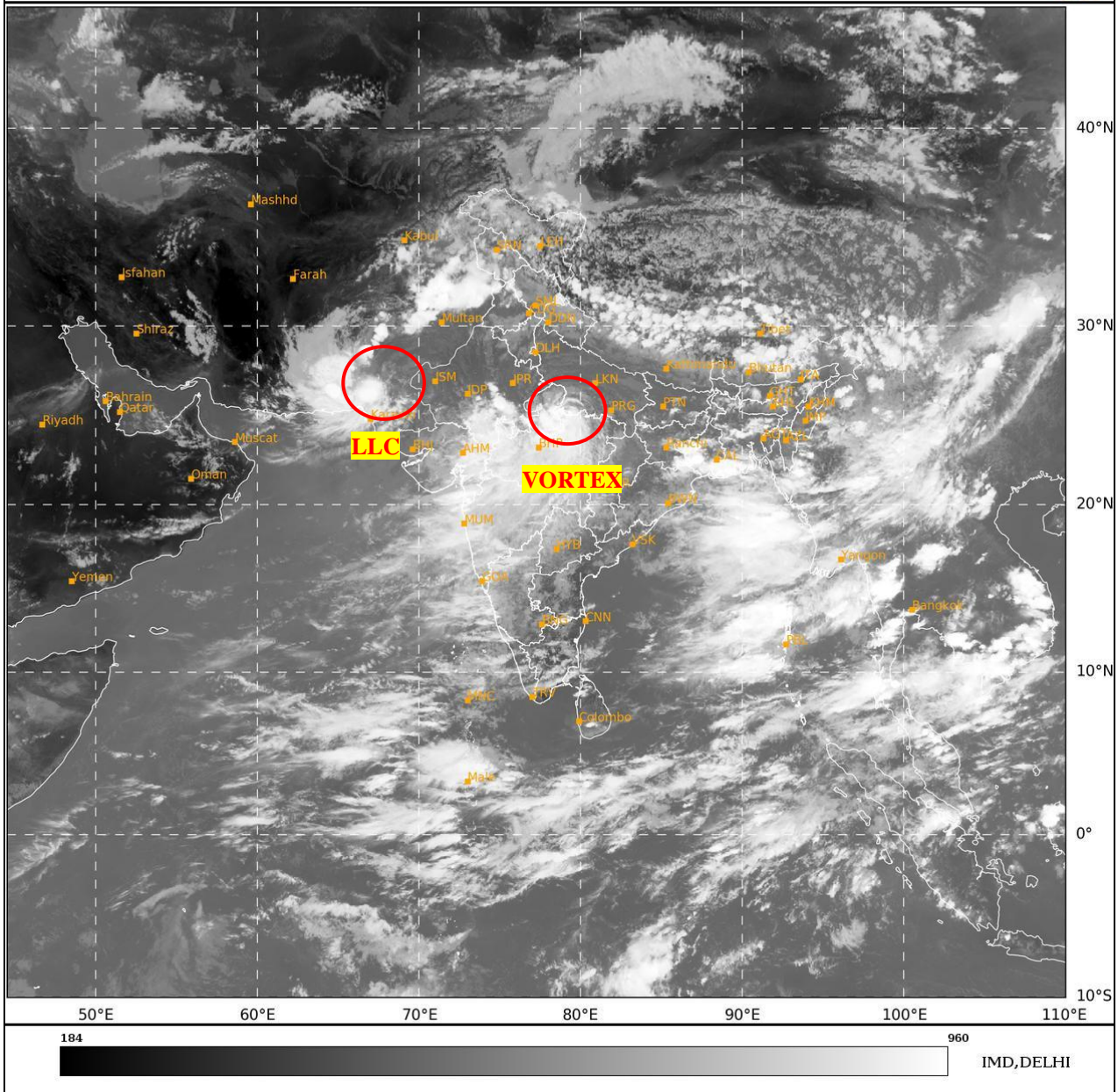




**SATELLITE BULLETIN BASED ON SATELLITE  
IMAGERIES AND PRODUCTS**  
**04.08.2024 TIME 0900 UTC**

SAT : INSAT-3DR IMG  
IMG\_TIR1 10.8 um  
LIC Mercator

04-08-2024/(0845 to 0912) GMT  
04-08-2024/(1415 to 1442) IST



TCIN50 DEMS 040900

SATELLITE BULLETIN BASED ON INSAT-3DR PIC OF 040845 UTC (.)

REGION COVERED BETWEEN LAT 50.0°N TO 35.0°S AND LONG 40.0°E TO 125.0°E (.)

**SALIENT FEATURES:-**

**VORTEX OVER SOUTH-WEST UP ADJOINING NORTH -EAST MP:-**

**VORTEX** OVER S UP ADJ NE MP (.) ASSTD SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER SE RAJ MP E GUJ (MINIMUM **CTT MINUS 80-90 DEG CEL**) AND MOD TO INT CONVTN OVER S UP MAHA (.)

**LOW LEVEL CIRCULATION (LLC) OVER SOUTH PAK ADJ SOUTH -WEST RAJ:-**

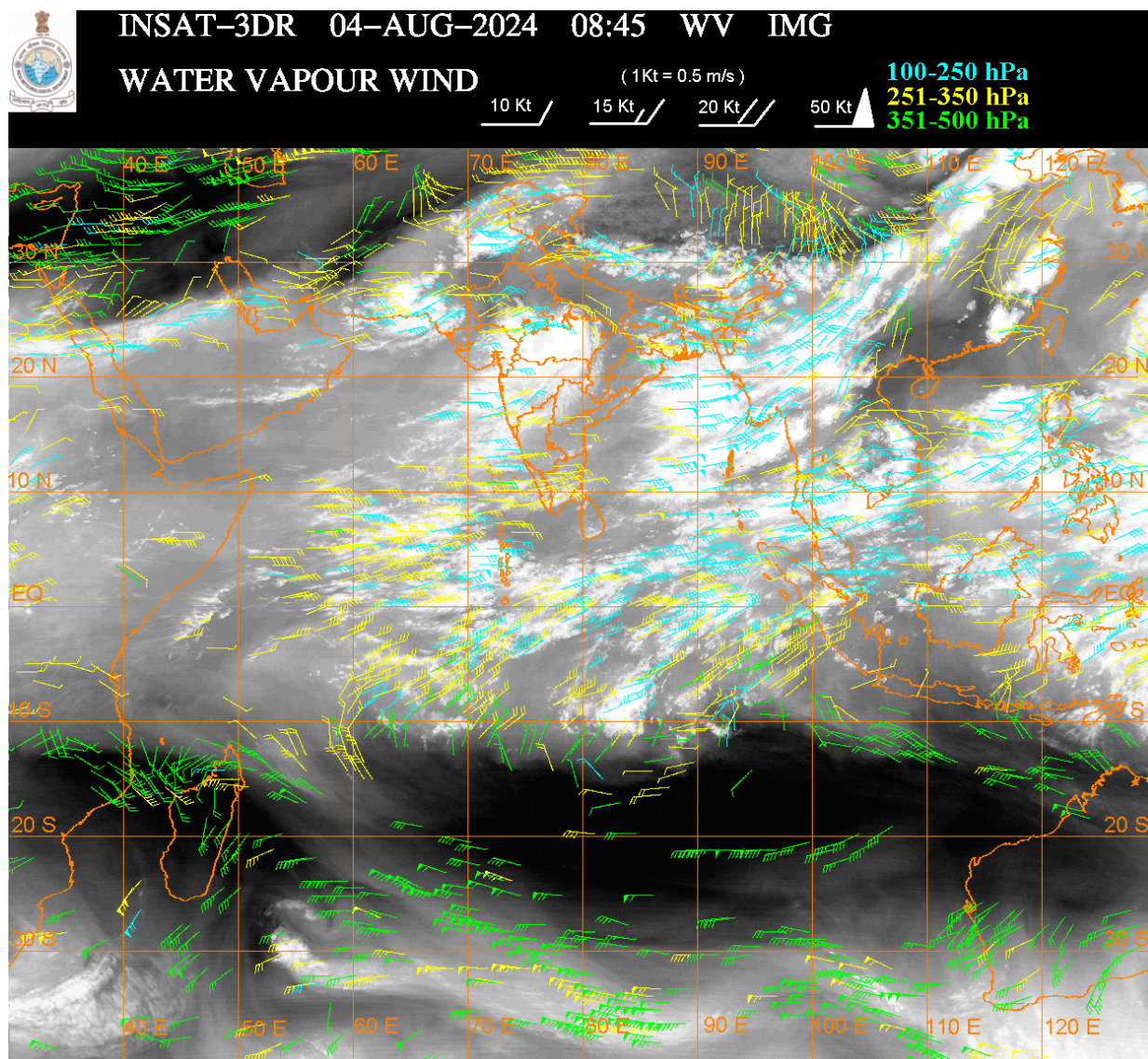
SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER S PAK (MINIMUM **CTT MINUS 80 DEG CEL**) AND MOD TO INT CONVTN OVER EXT SW RAJ IN ASSW **LLC** OVER THE AREA (.)

**CONVECTIVE / THUNDERSTORM ACTIVITY:-**

INTENSE TO VERY INTENSE CONVECTIVE / THUNDERSTORM ACTIVITY OBSERVED SE RAJ MP E GUJ N KKN N M MAHA E JHRKND W EXT N ORS S GWE E ASSAM W ARUPR ANDAMAN



AREA (MINIMUM **CTT MINUS 70-93 DEG CEL**) (.)  
 MODERATE TO INTENSE CONVECTIVE / THUNDERSTORM ACTIVITY OBSERVED OVER J&K N HARY S UP NE HP N UTRKND S BHR W JHRKND CHTGH S ORS N GWB REST NE STATES W GUJ REST MAHA COTL KRNTK NIK TN LKSDP ILS & NICOBAR ILS (MINIMUM **CTT MINUS 50-70 DEG CEL**) (.)



**CLOUDS DESCRIPTION WITHIN INDIA:-**

**NORTH:-**

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER LADKAH J&K N HARY S UP NE & SW HP N UTRKND N PJB (.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER REST HP S UTRKND S PJB S HARY (.) SCT LOW/MED CLOUDS OVER DLH REST UP (.)

**EAST:-**

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER S BHR E JHRKND S GWB E ASSAM W ARUPR EXT N ORS (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER CHTGH REST W ASSAM E ARUPR (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER CHTGH REST ORS N BHR SHWB SKM REST NE STATES (.)

**WEST:-**

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER SE RAJ MP E GUJ N KKN AND MOD TO INT CONVTN OVER W GUJ REST MAHA (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER REST RAJ & GOA (.)

**SOUTH:-**

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER ANDAMAN ILS (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER COTL KRNTK NIK TN LKSDP ILS (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER SIK TLNGN RYLSM COTL AP KER (.)

**ARABIAN SEA:-**

**SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER EC &SE ARSEA GULF OF KUTCH GULF OF CAMBAY LKSDP ILS AREA & MALDIVES AREA (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER REST ARSEA (.)**

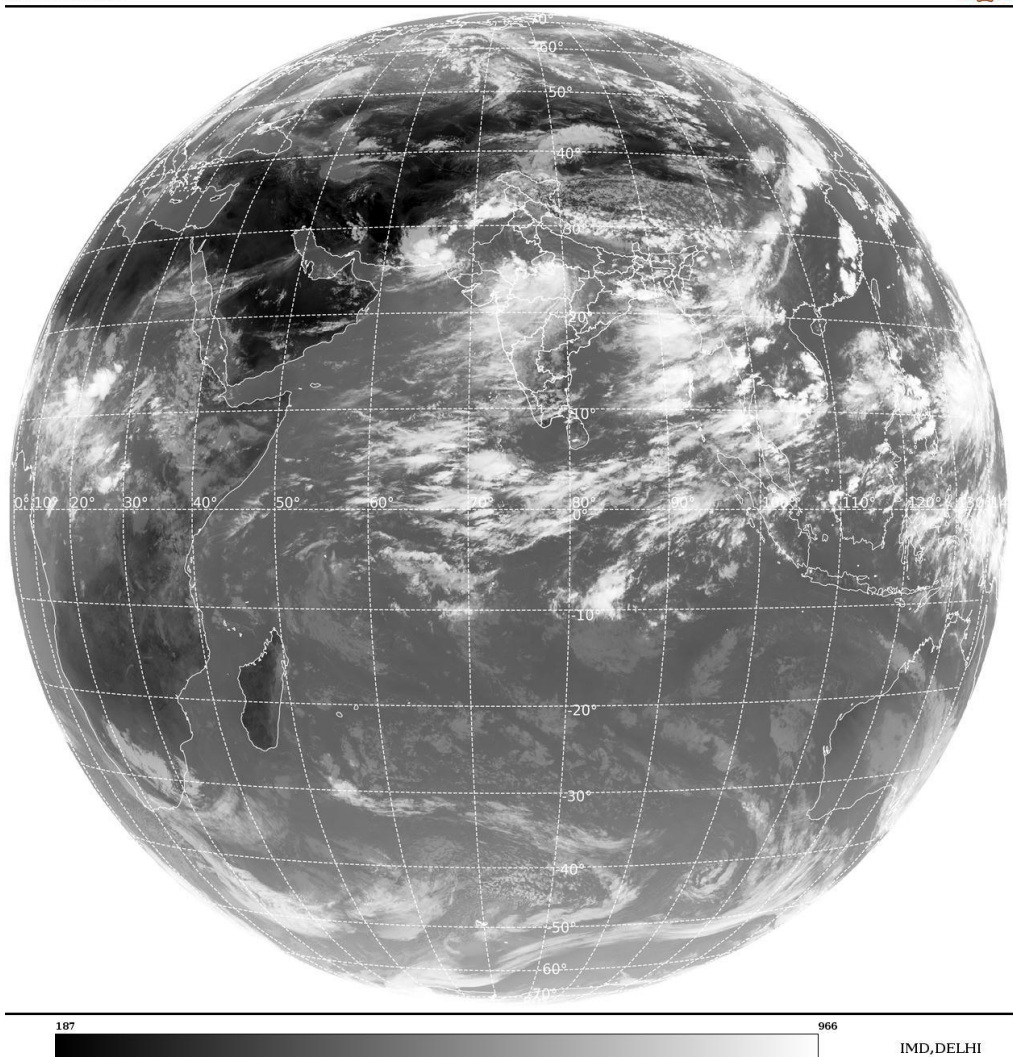
**BAY OF BENGAL & ANDAMAN SEA:-**

**SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER NORTH & EAST BAY ANDAMAN SEA GULF OF MARTABAN & ARAKAN COAST TENASSERIM COAST (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER WC BAY & SW BAY (.)**

**CLOUDS DESCRIPTION OUTSIDE INDIA:-**

SAT : INSAT-3DR IMG  
Thermal Infrared1 Count 10.8 um  
LIB FULL DISK

04-08-2024/(0845 to 0912) GMT  
04-08-2024/(1415 to 1442) IST



**SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER PALK STR MALDIVES PAK NEPAL BHUTAN TIBET CHINA MYANMAR THAILAND GULF OF THAILAND CAMBODIA LAOS VIETNAM SUMATRA STR OF MALACCA MALAYSIA BORNEO SOUTH CHINA SEA CELEBES ILS & SEA PHILIPPINES SULU SEA AND OVER INDIAN OCEAN BET LAT 5.0N TO 10.0S LONG 50.0E TO 100.0E (.)**

**TOO 04/1540HRS IST=**

**NNNN**

**LEGEND:-**

<b>REGION</b>	<b>NORTH</b>	<b>J&amp;K HP PJB HARY DLH UP UTRKND</b>
	<b>EAST</b>	<b>BHR JHRKND CHTGH OR WB SKM NORTH- EAST STATES</b>
	<b>WEST</b>	<b>RAJ MP GUJ MAHA GOA</b>

	<b>SOUTH</b>	<b>TLNGN AP KRNTK KER TN LKSDP ANDAMAN &amp; NICOBAR ILS</b>	
<b>CLOUD DISTRIBUTION</b>	<b>ISOL</b>	<b>ISOLATED (LESS THAN 25%)</b>	
	<b>SCT</b>	<b>SCATTERED (25 TO 50%)</b>	
	<b>BKN</b>	<b>BROKEN (51 TO 75%)</b>	
	<b>SLD</b>	<b>SOLID (GREATER THAN 75%)</b>	
<b>CLOUDS TOP TEMPERATURE</b>	<b>CTT</b>	<b>CLOUD TOP TEMPERATURE</b>	
<b>CONVECTION</b>	<b>WK CONVTN</b>	<b>WEAK CONVECTION (CTT GREATER THAN -25°C)</b>	
	<b>MOD CONVTN</b>	<b>MODERATE CONVECTION (CTT BETWEEN -25°C TO -40°C)</b>	
	<b>INT CONVTN</b>	<b>INTENSE CONVECTION (CTT BETWEEN -41°C TO -70°C)</b>	
	<b>V INT CONVTN</b>	<b>VERY INTENSE CONVECTION (CTT LESS THAN -70°C)</b>	
<b>METEOROLOGICAL SUB- DIVISIONS, STATES &amp; UNION TERITORIES</b>	<b>ARUPR</b>	<b>ARUNACHAL PRADESH</b>	
	<b>BHR</b>	<b>BIHAR</b>	
	<b>CHTGH</b>	<b>CHHATTISGARH</b>	
	<b>COTL AP</b>	<b>COASTAL ANDHRA PRADESH</b>	
	<b>COTL KRNTK</b>	<b>COASTAL KARNATAKA</b>	
	<b>COTL ORS</b>	<b>COASTAL ORISSA</b>	
	<b>GUJ</b>	<b>GUJARAT</b>	
	<b>GWB</b>	<b>GANGETIC WEST BENGAL</b>	
	<b>HARY</b>	<b>HARYANA</b>	
	<b>DLH</b>	<b>DELHI</b>	
	<b>HP</b>	<b>HIMACHAL PRADESH</b>	
	<b>J&amp;K</b>	<b>JAMMU AND KASHMIR</b>	
	<b>JHRKND</b>	<b>JHARKHAND</b>	
	<b>KER</b>	<b>KERALA</b>	
	<b>KKN</b>	<b>KONKAN</b>	
	<b>LKSDP</b>	<b>LAKSHADWEEP</b>	
	<b>M MAHA</b>	<b>MADHYA MAHARASHTRA</b>	
	<b>MAHA</b>	<b>MAHARASHTRA</b>	
	<b>MANI</b>	<b>MANIPUR</b>	
	<b>MEGHA</b>	<b>MEGHALAYA</b>	
	<b>MIZO</b>	<b>MIZORAM</b>	
	<b>MP</b>	<b>MADHYA PRADESH</b>	
		<b>MRTHWD</b>	<b>MARATHWADA</b>
		<b>NAGA</b>	<b>NAGALAND</b>
<b>N COTL AP</b>		<b>NORTH COASTAL ANDHRA PRADESH</b>	
<b>NIK</b>		<b>NORTH INTERIOR KARNATAKA</b>	
<b>ORS</b>		<b>ORISSA</b>	
<b>PJB</b>		<b>PUNJAB</b>	
<b>RAJ</b>		<b>RAJASTHAN</b>	
<b>RYLSM</b>		<b>RAYALASEEMA</b>	
<b>SAU &amp; KUTCH</b>		<b>SAURASHTRA &amp; KUTCH</b>	
<b>SHWB</b>		<b>SUB-HIMALAYAN WEST BENGAL</b>	

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