भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

SPECIAL TROPICAL WEATHER OUTLOOK

DEMS–RSMC TROPICAL CYCLONES NEW DELHI 23.10.2012

TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 24 HOURS ISSUED AT 0600 UTC OF 23 OCTOBER, 2012 BASED ON 0300 UTC OF 23 OCTOBER, 2012 (.)

LATEST SATELLITE IMAGERY INDICATES THAT YESTERDAY'S LOW PRESSURE AREA OVER SOUTHEAST ARABIAN SEA MOVED WEST-NORTHWESTWARDS AND CONCENTRATED INTO A DEPRESSION AND LAY CENTRED AT 0300 UTC OF TODAY, THE 23RD OCTOBER, 2012 NEAR LATITUDE 11.0^{0}N AND LONGITUDE 65.0.^{0}E, ABOUT 800 KM WEST OF AMINI DIVI (43311) AND 1200 KM EAST-SOUTHEAST OF SOCOTRA ISLAND(41494) THE SYSTEM IS LIKELY TO INTENSIFY FURTHER AND MOVE WEST-NORTHWESTWARDS TOWARDS SOMALIA AND YEMEN COASTS DURING NEXT 72 HRS.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 1.5. THE LOWEST CLOUD TOP TEMPERATURE (CTT) IS ABOUT -70^{0}C. ASSOCIATED BROKEN MODERATE TO INTENSE CONVECTION IS SEEN OVER THE ARABIAN SEA BETWEEN LAT 09.0^{0}N AND 16.5^{0}N AND LONG 60.0^{0}E AND 70^{0}E.

SUSTAINED MAXIMUM SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 25 KNOTS GUSTING TO 35 KNOTS AROUND SYSTEM CENTRE. THE STATE OF THE SEA IS ROUGH TO VERY ROUGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 1006 HPA.

REMARK:

CONSIDERING THE ENVIRONMENTAL FEATURES, THE MADDEN JULIAN OSCILLATION INDEX CURRENTLY LIES OVER PHASE 1 WITH AMPLITUDE > 1. AS PER STATISTICAL AND NWP MODEL PREDICTIONS, IT IS EXPECTED TO MOVE TO PHASE 2 DURING NEXT 3 DAYS. HENCE IT IS FAVOURABLE FOR FURTHER INTENSIFICATION.THE SEA SURFACE TEMPERATURE IS ABOUT 29-30 DEG. C. OVER NORTH BAY OF BENGAL. THE OCEAN THERMAL ENERGY IS 80 - 100 KJ/CM SQUARE AROUND THE SYSTEM CENTRE. IT DECREASES TOWARDS SOMALIA AND YEMEN COASTS. THE UPPER TROPOSPHERIC RIDGE LIES ALONG 15 DEG. N AND HENCE LIES TO THE NORTH OF THE SYSTEM CENTRE. THE LOW LEVEL CONVERGENCE HAS INCREASED DURING PAST 12 HRS AS WELL AS UPPER LEVEL DIVERGENCE AND LOWER LEVEL RELATIVE VORTICITY. THE VERTICAL WIND SHEAR BETWEEN 200 AND 850 HPA LEVELS IS LOW TO MODERATE (10-20 KNOTS) AROUND SYSTEM CENTRE. THERE IS NO CHANGE IN WIND SHEAR DURING PAST 24 HRS.

CONSIDERING THE NWP MODEL GUIDANCE, MOST OF THE MODELS SUGGEST INTENSITY OF THE SYSTEM UPTO THE STAGE OF DEPRESSION/ DEEP DEPRESSION AND WEST-NORTHWESTWARD MOVEMENT INITIALLY AND THEN WESTWARDS TOWARDS YEMEN-SOMALIA COASTS DURING NEXT 72 HRS.

(M MOHAPATRA)
SCIENTIST-E

TOO:231230 HRS IST

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

SPECIAL TROPICAL WEATHER OUTLOOK

DEMS–RSMC TROPICAL CYCLONES NEW DELHI 23.10.2012

TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 24 HOURS ISSUED AT 1500 UTC OF 23 OCTOBER, 2012 BASED ON 1200 UTC OF 23 OCTOBER, 2012 (.)

THE DEPRESSION OVER SOUTHEAST ARABIAN SEA MOVED WEST-NORTHWESTWARDS AND LAY CENTRED AT 1200 UTC OF TODAY, THE 23RD OCTOBER, 2012 NEAR LATITUDE 11.5^{0}N AND LONGITUDE 64.0.^{0}E, ABOUT 950 KM WEST-NORTHWEST OF AMINI DIVI (43311) AND 1100 KM EAST-SOUTHEAST OF SOCOTRA ISLAND(41494) THE SYSTEM MAY INTENSIFY FURTHER INTO A DEEP DEPRESSION DURING NEXT 24 HRS. IT WOULD MOVE WEST-NORTHWESTWARDS FOR SOME MORE TIME AND THEN WESTWARDS TOWARDS SOMALIA COAST DURING NEXT 48 HRS.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 1.5. THE LOWEST CLOUD TOP TEMPERATURE (CTT) IS ABOUT -76^{0}C. ASSOCIATED BROKEN INTENSE TO VERY INTENSE CONVECTION IS SEEN OVER THE ARABIAN SEA BETWEEN LAT 8.0N to 12.5N long 59.0E to 64.0E AND MODERATE TO INTENSE CONVECTION OVER REST ARABIAN SEA BETWEEN LAT 6.5N TO 16.5N EAST OF LONG 58.0E. CONVECTION IS MORE INTENSE IN THE SOUTHWEST SECTOR OF THE DEPRESSION.

SUSTAINED MAXIMUM SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 25 KNOTS GUSTING TO 35 KNOTS AROUND SYSTEM CENTRE. THE STATE OF THE SEA IS ROUGH TO VERY ROUGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 1006 HPA.

REMARK:

CONSIDERING THE ENVIRONMENTAL FEATURES, THE MADDEN JULIAN OSCILLATION INDEX CURRENTLY LIES OVER PHASE 1 WITH AMPLITUDE > 1. AS PER STATISTICAL AND NWP MODEL PREDICTIONS, IT IS EXPECTED TO MOVE TO PHASE 2 DURING NEXT 3 DAYS. HENCE IT IS FAVOURABLE FOR FURTHER INTENSIFICATION.THE SEA SURFACE TEMPERATURE IS ABOUT 29-30 DEG. C. OVER EAST CENTRAL AND SOUTHEAST ARABIAN SEA. IT IS ABOUT 26-28^{0}C OVER WEST CENTRAL AND SOUTHWEST ARABIAN SEA (WEST OF 60^{0}E).THE OCEAN THERMAL ENERGY IS 80 - 100 KJ/CM SQUARE AROUND THE SYSTEM CENTRE. IT IS LESS THAN 50 KJ CM^{-2} OVER WEST CENTRAL AND SOUTHWEST ARABIAN SEA (WEST OF 60^{0}E). THE UPPER TROPOSPHERIC RIDGE LIES ALONG 14 DEG. N AND HENCE LIES TO THE NORTH OF THE SYSTEM CENTRE. THE LOW LEVEL CONVERGENCE HAS INCREASED DURING PAST 12 HRS AS WELL AS UPPER LEVEL DIVERGENCE AND LOWER LEVEL RELATIVE VORTICITY. THE MAXIMUM VORTICITY AND LOW LEVEL CONVERGENCE LIE OVER SOUTHWEST SECTOR OF THE DEPRESSION. THE VERTICAL WIND SHEAR BETWEEN 200 AND 850 HPA LEVELS IS LOW NEAR SYSTEM CENTRE (5-10 KNOTS) AND MODERATE (10-20 KNOTS) TOWARDS NORTH AND SOUTH OF THE SYSTEM. THERE IS DECREASE IN WIND SHEAR BY 5-10 KNOTS DURING PAST 24 HRS.

CONSIDERING THE NWP MODEL GUIDANCE, MOST OF THE MODELS SUGGEST INTENSITY OF THE SYSTEM UPTO THE STAGE OF DEPRESSION/ DEEP DEPRESSION AND WEST-NORTHWESTWARD MOVEMENT INITIALLY AND THEN WESTWARDS TOWARDS SOMALIA COAST DURING NEXT 48 HRS. THERE IS INDICATION OF SLIGHT WEAKENING OF THE SYSTEM AS IT COMES NEARER TO COAST

(M MOHAPATRA)
SCIENTIST-E

TOO:232000 HRS IST

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

SPECIAL TROPICAL WEATHER OUTLOOK

DEMS–RSMC TROPICAL CYCLONES NEW DELHI 23.10.2012

TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 24 HOURS ISSUED AT 1800 UTC OF 23 OCTOBER, 2012 BASED ON 1500 UTC OF 23 OCTOBER, 2012 (.)

THE DEPRESSION OVER SOUTHWEST ARABIAN SEA MOVED WESTWARDS, INTENSIFIED INTO A DEEP DEPRESSION AND LAY CENTRED AT 1500 UTC OF TODAY, THE 23RD OCTOBER, 2012 NEAR LATITUDE 11.5^{0}N AND LONGITUDE 63.5.^{0}E, ABOUT 1000 KM WEST-NORTHWEST OF AMINI DIVI (43311) AND 1050 KM EAST-SOUTHEAST OF SOCOTRA ISLAND(41494). IT WOULD MOVE WESTWARDS TOWARDS SOMALIA COAST DURING NEXT 48 HRS.

BASED ON LATEST ANALYSIS WITH NWP MODELS AND OTHER CONVENTIONAL TECHNIQUES, ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

DATE/TIME(UTC)	POSITION (LAT. ^{0}N/ LONG. ^{0}E)	SUSTAINED MAXIMUM SURFACE WIND SPEED (KMPH)
23-10-2012/1500	11.5/63.5	50-60 GUSTING TO 70
23-10-2012/1800	11.5/63.0	50-60 GUSTING TO 70
24-10-2012/0000	11.5/62.5	50-60 GUSTING TO 70
24-10-2012/0600	11.5/61.5	50-60 GUSTING TO 70
24-10-2012/1800	11.5/60.5	45-55 GUSTING TO 65
25-10-2012/0600	11.5/59.0	45-55 GUSTING TO 65
25-10-2012/1800	11.5/57.5	45-55 GUSTING TO 65

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 2.0. THE LOWEST CLOUD TOP TEMPERATURE (CTT) IS ABOUT -79^{0}C. ASSOCIATED BROKEN INTENSE TO VERY INTENSE CONVECTION IS SEEN OVER THE ARABIAN SEA BETWEEN LAT 6.5ºN to 16.5ºN long 54.5ºE to 64.0ºE. CONVECTION IS MORE INTENSE IN THE SOUTHWEST SECTOR OF THE DEPRESSION.

SUSTAINED MAXIMUM SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 30 KNOTS AROUND SYSTEM CENTRE. THE STATE OF THE SEA IS ROUGH TO VERY ROUGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 1002 HPA.

REMARK:

THE SEA SURFACE TEMPERATURE IS ABOUT 29-30º C. OVER EAST CENTRAL AND SOUTHEAST ARABIAN SEA. IT IS ABOUT 26-28^{0}C OVER WEST CENTRAL AND SOUTHWEST ARABIAN SEA (WEST OF 60^{0}E).THE OCEAN THERMAL ENERGY IS 80 - 100 KJ/CM SQUARE AROUND THE SYSTEM CENTRE. IT IS LESS THAN 50 KJ CM^{-2} OVER WEST CENTRAL AND SOUTHWEST ARABIAN SEA (WEST OF 60^{0}E). THE UPPER TROPOSPHERIC RIDGE LIES ALONG 14º N AND HENCE LIES TO THE NORTH OF THE SYSTEM CENTRE. THE LOW LEVEL CONVERGENCE HAS INCREASED DURING PAST 12 HRS AS WELL AS UPPER LEVEL DIVERGENCE AND LOWER LEVEL RELATIVE VORTICITY. THE MAXIMUM VORTICITY AND LOW LEVEL CONVERGENCE LIE OVER SOUTHWEST SECTOR OF THE DEPRESSION. THE VERTICAL WIND SHEAR BETWEEN 200 AND 850 HPA LEVELS IS LOW NEAR SYSTEM CENTRE (5-10 KNOTS) AND MODERATE (10-20 KNOTS) TOWARDS NORTH AND SOUTH OF THE SYSTEM. THERE IS DECREASE IN WIND SHEAR BY 5-10 KNOTS DURING PAST 24 HRS.

CONSIDERING THE NWP MODEL GUIDANCE, MOST OF THE MODELS SUGGEST WESTWARDS MOVEMENT OF THE SYSTEM TOWARDS SOMALIA COAST DURING NEXT 48 HRS. THERE IS INDICATION OF SLIGHT WEAKENING OF THE SYSTEM AS IT COMES NEARER TO COAST

(NARESH KUMAR)
METEOROLOGIST

TOO:232330 HRS IST

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INDIA METEOROLOGICAL DEPARTMENT

SPECIAL TROPICAL WEATHER OUTLOOK

DEMS–RSMC TROPICAL CYCLONES NEW DELHI 24.10.2012

TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 24 HOURS ISSUED AT 0600 UTC OF 24 OCTOBER, 2012 BASED ON 0300 UTC OF 24 OCTOBER, 2012 (.)

THE DEEP DEPRESSION OVER SOUTHWEST ARABIAN SEA MOVED WEST-SOUTHWESTWARDS AND LAY CENTRED AT 0300 UTC OF TODAY, THE 24TH OCTOBER, 2012 NEAR LATITUDE 11.0^{0}N AND LONGITUDE 59.0.^{0}E, ABOUT 1500 KM WEST OF AMINI DIVI (43311) AND 600 KM EAST-SOUTHEAST OF SOCOTRA ISLAND(41494). IT WOULD MOVE WEST-SOUTHWESTWARDS AND CROSS SOMALIA COAST BETWEEN LAT. 9.0^0 AND 10.5^{0}N AROUND 1800 UTC OF 25TH OCTOBER 2012. HOWEVER, THE DEEP DEPRESSION MAY WEAKEN INTO A DEPRESSION DURING NEXT 24 HRS.

BASED ON LATEST ANALYSIS WITH NWP MODELS AND OTHER CONVENTIONAL TECHNIQUES, ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

DATE/TIME(UTC)	POSITION (LAT. ^{0}N/ LONG. ^{0}E)	SUSTAINED MAXIMUM SURFACE WIND SPEED (KMPH)	CATEGORY
24-10-2012/0300	11.0/59.0	50-60 GUSTING TO 70	DD
24-10-2012/0600	10.8/58.2	50-60 GUSTING TO 70	DD
24-10-2012/1200	10.6/56.7	45-55 GUSTING TO 65	D
24-10-2012/1800	10.4/55.2	45-55 GUSTING TO 65	D
25-10-2012/0000	10.2/54.0	40-50 GUSTING TO 60	D
25-10-2012/1200	9.8/52.0	40-50 GUSTING TO 60	D
26-10-2012/0000	9.6/50.0	30-40 GUSTING TO 40	L

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 2.0. THE LOWEST CLOUD TOP TEMPERATURE (CTT) IS ABOUT -73^{0}C. ASSOCIATED BROKEN MODERATE TO INTENSE CONVECTION IS SEEN OVER THE ARABIAN SEA BETWEEN LAT 7.5ºN to 16.0ºN long 51.5ºE to 61.0ºE. CONVECTION IS MORE INTENSE IN THE SOUTHWEST SECTOR OF THE DEPRESSION.

SUSTAINED MAXIMUM SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 30 KNOTS AROUND SYSTEM CENTRE. THE STATE OF THE SEA IS ROUGH TO VERY ROUGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 1002 HPA.

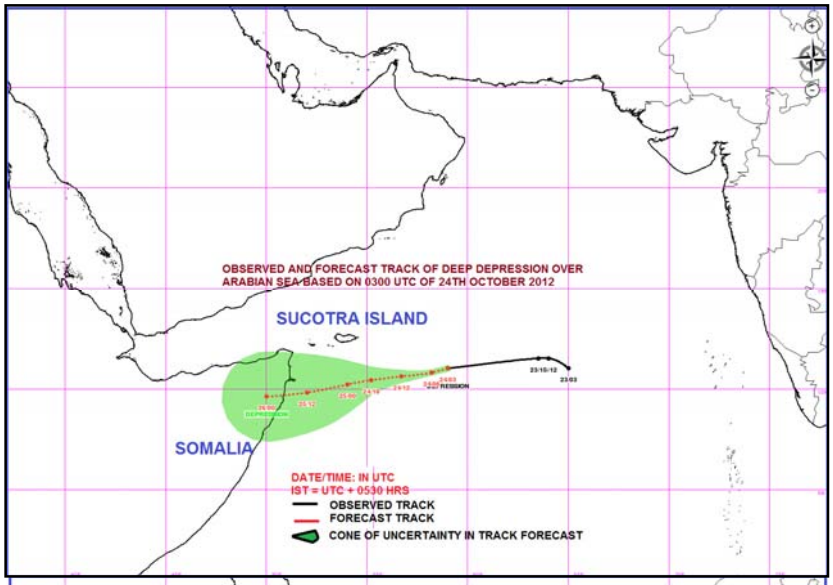
REMARK:

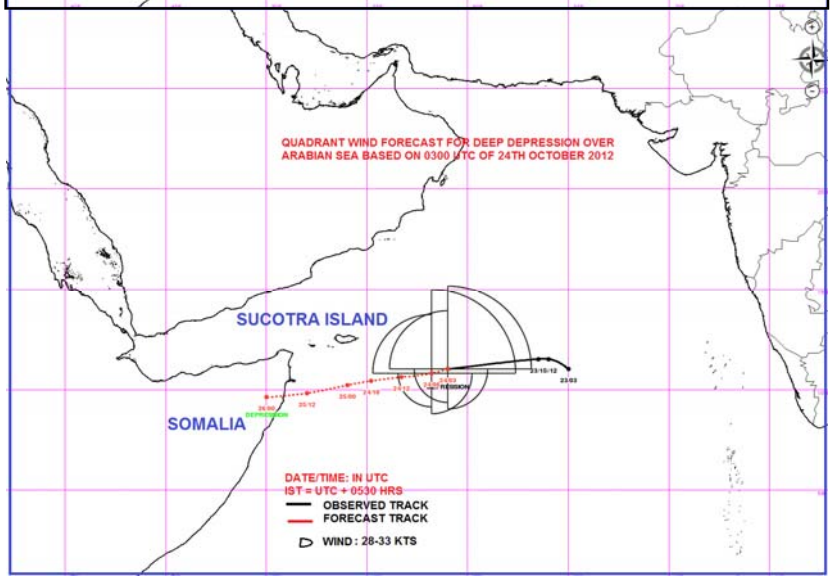
THE MADDEN JULIAN OSCILLATION INDEX CURRENTLY LIES OVER PHASE 2 WITH AMPLITUDE > 1. AS PER STATISTICAL AND NWP MODEL PREDICTIONS, IT IS EXPECTED TO CONTINUE TO BE IN PHASE 2 DURING NEXT 3 DAYS. THE SEA SURFACE TEMPERATURE IS ABOUT 26-28º C. OVER SOUTHWEST AND ADJOINING WESTCENTRAL ARABIAN SEA. THE OCEAN THERMAL ENERGY IS 50 -80 KJ/CM SQUARE AROUND THE SYSTEM CENTRE. IT IS LESS THAN 50 KJ CM^{-2} OVER SOMALIA COAST AND ADJOINING SEAS. THE UPPER TROPOSPHERIC RIDGE LIES ALONG 14º N AND HENCE LIES TO THE NORTH OF THE SYSTEM CENTRE. THE LOW LEVEL CONVERGENCE SHOWS DECREASING TREND DURING PAST SIX HRS AS WELL AS UPPER LEVEL DIVERGENCE AND LOWER LEVEL RELATIVE VORTICITY. THE VERTICAL WIND SHEAR BETWEEN 200 AND 850 HPA LEVELS IS MODERATE (10-20 KNOTS) AROUND SYSYEM CENTRE. IT INCREASES TOWARDS SOMALIA COAST.

CONSIDERING THE NWP MODEL GUIDANCE, MOST OF THE MODELS SUGGEST WEST-SOUTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS SOMALIA COAST DURING NEXT 48 HRS. AS PER THESE MODELS, THERE IS INDICATION OF GRADUAL WEAKENING OF THE SYSTEM AS IT COMES NEARER TO COAST AND IT MAY CROSS SOMALIA COAST AS A LOW PRESSURE AREA.

(M.MOHAPATRA)
SCIENTIST-E

TOO:241130 HRS IST


OBSERVED AND FORECAST TRACK OF DEEP DEPRESSION OVER
ARABIAN SEA BASED ON 0300 UTC OF 24TH OCTOBER 2012
SUCOTRA ISLAND
SOMALIA
DATE/TIME: IN UTC
IST = UTC + 0530 HRS
OBSERVED TRACK
FORECAST TRACK
CONE OF UNCERTAINTY IN TRACK FORECAST


QUADRANT WIND FORECAST FOR DEEP DEPRESSION OVER
ARABIAN SEA BASED ON 0300 UTC OF 24TH OCTOBER 2012
SUCOTRA ISLAND
SOMALIA
DATE/TIME: IN UTC
IST = UTC + 0530 HRS
OBSERVED TRACK
FORECAST TRACK
WIND : 28-33 KTS

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FROM: RSMC –TROPICAL CYCLONES, NEW DELHI
TO: STORM WARNING CENTRE, DHAKA (BANGLADESH)
STORM WARNING CENTRE, YANGAON (MYANMAR)
STORM WARNING CENTRE, BANGKOK (THAILAND)
STORM WARNING CENTRE, COLOMBO (SRILANKA)
STORM WARNING CENTRE, KARACHI (PAKISTAN)
METEOROLOGICAL OFFICE, MALE (MALDIVES)
OMAN METEOROLOGICAL DEPARTMENT, MUSCAT (THROUGH RTH JEDDAH)
TROPICAL CYCLONE ADVISORY
RSMC – TROPICAL CYCLONES, NEW DELHI

TROPICAL STORM **'MURJAN'** ADVISORY NO ONE ISSUED AT 1500UTC OF 24TH OCTOBER 2012 BASED ON 1200 UTC CHARTS OF 24TH OCTOBER 2012.

THE DEEP DEPRESSION OVER SOUTHWEST ARABIAN SEA MOVED WEST-SOUTHWESTWARDS, INTENSIFIED INTO A CYCLONIC STORM, MURJAN AND LAY CENTRED AT 1200 UTC OF TODAY, THE 24TH OCTOBER, 2012 NEAR LATITUDE 10.5^{0}N AND LONGITUDE 56.5^{0}E, ABOUT 1750 KM WEST-SOUTHWEST OF AMINI DIVI (43311) AND ABOUT 370 KM SOUTHEAST OF SOCOTRA ISLAND(41494). IT WOULD MOVE WEST-SOUTHWESTWARDS AND CROSS SOMALIA COAST BETWEEN LAT. 8.0^0 AND 9.5^0 N AROUND 0000 UTC OF 26TH OCTOBER 2012.

BASED ON LATEST ANALYSIS WITH NWP MODELS AND OTHER CONVENTIONAL TECHNIQUES, ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

DATE/TIME(UTC)	POSITION (LAT. ^{0}N/ LONG. ^{0}E)	SUSTAINED MAXIMUM SURFACE WIND SPEED (KMPH)	CATEGORY
24-10-2012/1200	10.5/56.5	65-75 GUSTING TO 85	CYCLONIC STORM
24-10-2012/1800	10.3/55.5	75-85 GUSTING TO 95	CYCLONIC STORM
25-10-2012/0000	10.1/54.5	75-85 GUSTING TO 95	CYCLONIC STORM
25-10-2012/0600	9.9/53.5	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/1200	9.7/52.5	65-75 GUSTING TO 85	CYCLONIC STORM
26-10-2012/0000	9.3/50.5	55-65 GUSTING TO 75	DEEP DEPRESSION
26-10-2012/1200	8.6/48.5	30-40 GUSTING TO 40	LOW

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 2.5. THE LOWEST CLOUD TOP TEMPERATURE (CTT) IS ABOUT -80^{0}C. ASSOCIATED BROKEN MODERATE TO INTENSE CONVECTION IS SEEN OVER THE ARABIAN SEA BETWEEN LAT 7.5ºN to 16.0ºN long 51.5ºE to 61.0ºE. THE CONVECTION SHOWS CURVED BAND PATTERN.

SUSTAINED MAXIMUM SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 35 KNOTS GUSTING TO 45 KNOTS AROUND SYSTEM CENTRE. THE STATE OF THE SEA IS AROUND THE SYSTEM CENTRE IS HIGH. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 1000 HPA.

REMARK:

THE MADDEN JULIAN OSCILLATION INDEX CURRENTLY LIES OVER PHASE 2 WITH AMPLITUDE > 1. AS PER STATISTICAL AND NWP MODEL PREDICTIONS, IT IS EXPECTED TO CONTINUE TO BE IN PHASE 2 DURING NEXT 3 DAYS. THE SEA SURFACE TEMPERATURE IS ABOUT 26-28º C. OVER SOUTHWEST AND ADJOINING WESTCENTRAL ARABIAN SEA. THE OCEAN THERMAL ENERGY IS 50 -80 KJ/CM SQUARE AROUND THE SYSTEM CENTRE. IT IS LESS THAN 50 KJ CM^{-2} OVER SOMALIA COAST AND ADJOINING SEAS. THE UPPER TROPOSPHERIC RIDGE LIES ALONG 14º N AND HENCE LIES TO THE NORTH OF THE SYSTEM CENTRE. THE LOW LEVEL CONVERGENCE HAS INCREASED DURING PAST SIX HRS AS WELL AS UPPER LEVEL DIVERGENCE AND LOWER LEVEL RELATIVE VORTICITY. THE VERTICAL WIND SHEAR BETWEEN 200 AND 850 HPA LEVELS IS MODERATE (10-20 KNOTS) AROUND SYSYEM CENTRE.

CONSIDERING THE NWP MODEL GUIDANCE, MOST OF THE MODELS SUGGEST WEST-SOUTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS SOMALIA COAST DURING NEXT 48 HRS. AS PER THESE MODELS, THERE IS INDICATION OF GRADUAL WEAKENING OF THE SYSTEM AS IT COMES NEARER TO COAST. THE INTENSIFICATION OF THE SYSTEM TO CYCLONIC STORM COULD NOT BE CAPTURED BY MOST OF THE MODELS.

(M.MOHAPATRA)
SCIENTIST-E

TOO:242000 HRS IST

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FROM: RSMC –TROPICAL CYCLONES, NEW DELHI
TO: STORM WARNING CENTRE, DHAKA (BANGLADESH)
STORM WARNING CENTRE, YANGAON (MYANMAR)
STORM WARNING CENTRE, BANGKOK (THAILAND)
STORM WARNING CENTRE, COLOMBO (SRILANKA)
STORM WARNING CENTRE, KARACHI (PAKISTAN)
METEOROLOGICAL OFFICE, MALE (MALDIVES)
OMAN METEOROLOGICAL DEPARTMENT, MUSCAT (THROUGH RTH JEDDAH)
TROPICAL CYCLONE ADVISORY
RSMC – TROPICAL CYCLONES, NEW DELHI

TROPICAL STORM **'MURJAN'** ADVISORY NO TWO ISSUED AT 1800 UTC OF 24TH OCTOBER 2012 BASED ON 1500 UTC CHARTS OF 24TH OCTOBER 2012.

THE CYCLONIC STORM **'MURJAN'** HAS MOVED WESTWARDS AND LAY CENTRED AT 1500 UTC OF TODAY, THE 24TH OCTOBER, 2012 NEAR LATITUDE 10.5^{0}N AND LONGITUDE 56.0^{0}E, ABOUT 1800 KM WEST-SOUTHWEST OF AMINI DIVI (43311) AND ABOUT 330 KM SOUTHEAST OF SOCOTRA ISLAND(41494). IT WOULD MOVE WEST-SOUTHWESTWARDS AND CROSS SOMALIA COAST BETWEEN LAT. 8.0^0 AND 9.5^0 N AROUND 0000 UTC OF 26TH OCTOBER 2012.

BASED ON LATEST ANALYSIS WITH NWP MODELS AND OTHER CONVENTIONAL TECHNIQUES, ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

DATE/TIME(UTC)	POSITION (LAT. ^{0}N/ LONG. ^{0}E)	SUSTAINED MAXIMUM SURFACE WIND SPEED (KMPH)	CATEGORY
24-10-2012/1500	10.5/56.0	65-75 GUSTING TO 85	CYCLONIC STORM
24-10-2012/1800	10.3/55.5	75-85 GUSTING TO 95	CYCLONIC STORM
25-10-2012/0000	10.1/54.5	75-85 GUSTING TO 95	CYCLONIC STORM
25-10-2012/0600	9.9/53.5	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/1200	9.7/52.5	65-75 GUSTING TO 85	CYCLONIC STORM
26-10-2012/0000	9.3/50.5	55-65 GUSTING TO 75	DEEP DEPRESSION
26-10-2012/1200	8.6/48.5	30-40 GUSTING TO 40	LOW

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 2.5. THE LOWEST CLOUD TOP TEMPERATURE (CTT) IS ABOUT -80^{0}C. ASSOCIATED BROKEN MODERATE TO INTENSE CONVECTION IS SEEN OVER THE ARABIAN SEA BETWEEN LAT 7.5ºN to 16.0ºN long 49.0ºE to 56.0ºE. THE CONVECTION SHOWS CURVED BAND PATTERN.

SUSTAINED MAXIMUM SURFACE WIND SPE ED IS ESTIMATED TO BE ABOUT 35 KNOTS GUSTING TO 45 KNOTS AROUND SYSTEM CENTRE. THE STATE OF THE SEA AROUND THE SYSTEM CENTRE IS HIGH. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 1000 HPA.

REMARK:

THE MADDEN JULIAN OSCILLATION INDEX CURRENTLY LIES OVER PHASE 2 WITH AMPLITUDE > 1. AS PER STATISTICAL AND NWP MODEL PREDICTIONS, IT IS EXPECTED TO CONTINUE TO BE IN PHASE 2 DURING NEXT 3 DAYS. THE SEA SURFACE TEMPERATURE IS ABOUT 26-28º C. OVER SOUTHWEST AND ADJOINING WESTCENTRAL ARABIAN SEA. THE OCEAN THERMAL ENERGY IS 50-80 KJ/CM^2 SQUARE AROUND THE SYSTEM CENTRE. IT IS LESS THAN 50 KJ/CM^2 OVER SOMALIA COAST AND ADJOINING SEAS. THE UPPER TROPOSPHERIC RIDGE LIES ALONG 14.0º N AND HENCE LIES TO THE NORTH OF THE SYSTEM CENTRE. THE LOW LEVEL CONVERGENCE HAS INCREASED DURING PAST SIX HRS AS WELL AS UPPER LEVEL DIVERGENCE AND LOWER LEVEL RELATIVE VORTICITY. THE VERTICAL WIND SHEAR BETWEEN 200 AND 850 HPA LEVELS IS MODERATE (10-20 KNOTS) AROUND SYSYEM CENTRE.

CONSIDERING THE NWP MODEL GUIDANCE, MOST OF THE MODELS SUGGEST WEST-SOUTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS SOMALIA COAST DURING NEXT 48 HRS. AS PER THESE MODELS, THERE IS INDICATION OF GRADUAL WEAKENING OF THE SYSTEM AS IT COMES NEARER TO COAST. THE INTENSIFICATION OF THE SYSTEM TO CYCLONIC STORM COULD NOT BE CAPTURED BY MOST OF THE MODELS.

(CHARAN SINGH
SCIENTIST-D

TOO:242300 HRS IST

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FROM: RSMC –TROPICAL CYCLONES, NEW DELHI
TO: STORM WARNING CENTRE, DHAKA (BANGLADESH)
STORM WARNING CENTRE, YANGAON (MYANMAR)
STORM WARNING CENTRE, BANGKOK (THAILAND)
STORM WARNING CENTRE, COLOMBO (SRILANKA)
STORM WARNING CENTRE, KARACHI (PAKISTAN)
METEOROLOGICAL OFFICE, MALE (MALDIVES)
OMAN METEOROLOGICAL DEPARTMENT, MUSCAT (THROUGH RTH JEDDAH)
TROPICAL CYCLONE ADVISORY
RSMC – TROPICAL CYCLONES, NEW DELHI

TROPICAL STORM **'MURJAN'** ADVISORY NO THREE ISSUED AT 2030 UTC OF 24TH OCTOBER 2012 BASED ON 1800 UTC CHARTS OF 24TH OCTOBER 2012.

THE CYCLONIC STORM **'MURJAN'** HAS MOVED FURTHER WESTWARDS AND LAY CENTRED AT 1800 UTC OF TODAY, THE 24TH OCTOBER, 2012 NEAR LATITUDE 10.5^{0}N AND LONGITUDE 55.5^{0}E, ABOUT 1850 KM WEST-SOUTHWEST OF AMINI DIVI (43311) AND ABOUT 290 KM SOUTHEAST OF SOCOTRA ISLAND(41494). IT WOULD MOVE WEST-SOUTHWESTWARDS AND CROSS SOMALIA COAST BETWEEN LAT. 8.0^0 AND 9.5^0 N AROUND 0000 UTC OF 26TH OCTOBER 2012.

BASED ON LATEST ANALYSIS WITH NWP MODELS AND OTHER CONVENTIONAL TECHNIQUES, ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

DATE/TIME(UTC)	POSITION (LAT. ^{0}N/ LONG. ^{0}E)	SUSTAINED MAXIMUM SURFACE WIND SPEED (KMPH)	CATEGORY
24-10-2012/1800	10.5/55.5	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/0000	10.1/54.5	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/0600	9.9/53.5	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/1200	9.7/52.5	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/1800	9.5/51.5	65-75 GUSTING TO 85	CYCLONIC STORM
26-10-2012/0000	9.3/50.5	55-65 GUSTING TO 75	DEEP DEPRESSION
26-10-2012/1200	8.6/48.5	30-40 GUSTING TO 40	LOW

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 2.5. THE LOWEST CLOUD TOP TEMPERATURE (CTT) IS ABOUT -75^{0}C. ASSOCIATED BROKEN MODERATE TO INTENSE CONVECTION IS SEEN OVER THE ARABIAN SEA BETWEEN LAT 7.0ºN to 15.0ºN long 49.0ºE to 56.0ºE. THE CONVECTION SHOWS CURVED BAND PATTERN.

SUSTAINED MAXIMUM SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 35 KNOTS GUSTING TO 45 KNOTS AROUND SYSTEM CENTRE. THE STATE OF THE SEA AROUND THE SYSTEM CENTRE IS HIGH. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 1000 HPA.

REMARK:

THE MADDEN JULIAN OSCILLATION INDEX CURRENTLY LIES OVER PHASE 2 WITH AMPLITUDE > 1. AS PER STATISTICAL AND NWP MODEL PREDICTIONS, IT IS EXPECTED TO CONTINUE TO BE IN PHASE 2 DURING NEXT 3 DAYS. THE SEA SURFACE TEMPERATURE IS ABOUT 26-28º C. OVER SOUTHWEST AND ADJOINING WESTCENTRAL ARABIAN SEA. THE OCEAN THERMAL ENERGY IS 50-80 KJ/CM^2 SQUARE AROUND THE SYSTEM CENTRE. IT IS LESS THAN 50 KJ/CM^2 OVER SOMALIA COAST AND ADJOINING SEAS. THE UPPER TROPOSPHERIC RIDGE LIES ALONG 14.0º N AND HENCE LIES TO THE NORTH OF THE SYSTEM CENTRE. THE LOW LEVEL CONVERGENCE HAS INCREASED DURING PAST SIX HRS AS WELL AS UPPER LEVEL DIVERGENCE AND LOWER LEVEL RELATIVE VORTICITY. THE VERTICAL WIND SHEAR BETWEEN 200 AND 850 HPA LEVELS IS MODERATE (10-20 KNOTS) AROUND SYSYEM CENTRE.

CONSIDERING THE NWP MODEL GUIDANCE, MOST OF THE MODELS SUGGEST WEST-SOUTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS SOMALIA COAST DURING NEXT 48 HRS. AS PER THESE MODELS, THERE IS INDICATION OF GRADUAL WEAKENING OF THE SYSTEM AS IT COMES NEARER TO COAST. THE INTENSIFICATION OF THE SYSTEM TO CYCLONIC STORM COULD NOT BE CAPTURED BY MOST OF THE MODELS.

(CHARAN SINGH)
SCIENTIST-D

TOO:250130 HRS IST

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FROM: RSMC –TROPICAL CYCLONES, NEW DELHI
TO: STORM WARNING CENTRE, DHAKA (BANGLADESH)
STORM WARNING CENTRE, YANGAON (MYANMAR)
STORM WARNING CENTRE, BANGKOK (THAILAND)
STORM WARNING CENTRE, COLOMBO (SRILANKA)
STORM WARNING CENTRE, KARACHI (PAKISTAN)
METEOROLOGICAL OFFICE, MALE (MALDIVES)
OMAN METEOROLOGICAL DEPARTMENT, MUSCAT (THROUGH RTH JEDDAH)
TROPICAL CYCLONE ADVISORY
RSMC – TROPICAL CYCLONES, NEW DELHI

TROPICAL STORM **'MURJAN'** ADVISORY NO FOUR ISSUED AT 0000 UTC OF 25TH OCTOBER 2012 BASED ON 2100 UTC CHARTS OF 24TH OCTOBER 2012.

THE CYCLONIC STORM **'MURJAN'** MOVED FURTHER WESTWARDS AND LAY CENTRED AT 2100 UTC OF 24TH OCTOBER, 2012 NEAR LATITUDE 10.5^{0}N AND LONGITUDE 54.5^{0}E, ABOUT 2000 KM WEST-SOUTHWEST OF AMINI DIVI (43311) AND ABOUT 280 KM SOUTH-SOUTHEAST OF SOCOTRA ISLAND(41494). IT WOULD MOVE WEST-SOUTHWESTWARDS AND CROSS SOMALIA COAST BETWEEN LAT. 8.0^0 AND 9.5^0 N AROUND 0000 UTC OF 26TH OCTOBER 2012.

BASED ON LATEST ANALYSIS WITH NWP MODELS AND OTHER CONVENTIONAL TECHNIQUES, ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

DATE/TIME(UTC)	POSITION (LAT. ^{0}N/ LONG. ^{0}E)	SUSTAINED MAXIMUM SURFACE WIND SPEED (KMPH)	CATEGORY
24-10-2012/2100	10.5/54.5	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/0000	10.3/54.0	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/0600	10.0/53.5	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/1200	9.7/52.5	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/1800	9.5/51.5	65-75 GUSTING TO 85	CYCLONIC STORM
26-10-2012/0000	9.3/50.5	55-65 GUSTING TO 75	DEEP DEPRESSION
26-10-2012/1200	8.6/48.5	30-40 GUSTING TO 40	LOW

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 2.5. THE LOWEST CLOUD TOP TEMPERATURE (CTT) IS ABOUT -65^{0}C. ASSOCIATED BROKEN MODERATE TO INTENSE CONVECTION IS SEEN OVER THE ARABIAN SEA BETWEEN LAT 7.0ºN to 14.0ºN long 48.0ºE to 55.0ºE. THE CONVECTION SHOWS CURVED BAND FEATURES DISAPPEARING.

SUSTAINED MAXIMUM SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 35 KNOTS GUSTING TO 45 KNOTS AROUND SYSTEM CENTRE. THE STATE OF THE SEA AROUND THE SYSTEM CENTRE IS HIGH. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 1000 HPA.

REMARK:

THE MADDEN JULIAN OSCILLATION INDEX CURRENTLY LIES OVER PHASE 2 WITH AMPLITUDE > 1. AS PER STATISTICAL AND NWP MODEL PREDICTIONS, IT IS EXPECTED TO CONTINUE TO BE IN PHASE 2 DURING NEXT 3 DAYS. THE SEA SURFACE TEMPERATURE IS ABOUT 26-28º C. OVER SOUTHWEST AND ADJOINING WESTCENTRAL ARABIAN SEA. THE OCEAN THERMAL ENERGY IS 50-80 KJ/CM^2 SQUARE AROUND THE SYSTEM CENTRE. IT IS LESS THAN 50 KJ/CM^2 OVER SOMALIA COAST AND ADJOINING SEAS. THE UPPER TROPOSPHERIC RIDGE LIES ALONG 14.0º N AND HENCE LIES TO THE NORTH OF THE SYSTEM CENTRE. THE LOW LEVEL CONVERGENCE HAS INCREASED DURING PAST SIX HRS AS WELL AS UPPER LEVEL DIVERGENCE AND LOWER LEVEL RELATIVE VORTICITY. THE VERTICAL WIND SHEAR BETWEEN 200 AND 850 HPA LEVELS IS MODERATE (05-15 KNOTS) AROUND SYSYEM CENTRE.

CONSIDERING THE NWP MODEL GUIDANCE, MOST OF THE MODELS SUGGEST WEST-SOUTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS SOMALIA COAST DURING NEXT 36 HRS. AS PER THESE MODELS, THERE IS INDICATION OF GRADUAL WEAKENING OF THE SYSTEM AS IT COMES NEARER TO COAST. THE INTENSIFICATION OF THE SYSTEM TO CYCLONIC STORM COULD NOT BE CAPTURED BY MOST OF THE MODELS.

(CHARAN SINGH)
SCIENTIST-D

TOO:250530 HRS IST

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FROM: RSMC –TROPICAL CYCLONES, NEW DELHI

TO: STORM WARNING CENTRE, DHAKA (BANGLADESH)
STORM WARNING CENTRE, YANGAON (MYANMAR)
STORM WARNING CENTRE, BANGKOK (THAILAND)
STORM WARNING CENTRE, COLOMBO (SRILANKA)
STORM WARNING CENTRE, KARACHI (PAKISTAN)
METEOROLOGICAL OFFICE, MALE (MALDIVES)
OMAN METEOROLOGICAL DEPARTMENT, MUSCAT (THROUGH RTH JEDDAH)

TROPICAL CYCLONE ADVISORY

RSMC – TROPICAL CYCLONES, NEW DELHI

TROPICAL STORM **'MURJAN'** ADVISORY NO FIVE ISSUED AT 0300 UTC OF 25TH OCTOBER 2012 BASED ON 0000 UTC CHARTS OF 25TH OCTOBER 2012.

THE CYCLONIC STORM **'MURJAN'** MOVED FURTHER WESTWARDS AND LAY CENTRED AT 0000 UTC OF 25TH OCTOBER, 2012 NEAR LATITUDE 10.5^{0}N AND LONGITUDE 54.0^{0}E, ABOUT 2050 KM WEST-SOUTHWEST OF AMINI DIVI (43311) AND ABOUT 250 KM SOUTH-SOUTHEAST OF SOCOTRA ISLAND (41494) AND 400 KM EAST OF SCUSCIUBAN (63220) SOMALIA. IT WOULD MOVE WEST-SOUTHWESTWARDS AND CROSS SOMALIA COAST NEAR LAT. 9.5^0 N AROUND 2100 UTC OF 25TH OCTOBER 2012.

BASED ON LATEST ANALYSIS WITH NWP MODELS AND OTHER CONVENTIONAL TECHNIQUES, ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

DATE/TIME(UTC)	POSITION (LAT. ^{0}N/ LONG. ^{0}E)	SUSTAINED MAXIMUM SURFACE WIND SPEED (KMPH)	CATEGORY
25-10-2012/0000	10.5/54.0	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/0600	10.3/53.0	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/1200	10.1/52.0	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/1800	9.8/51.0	65-75 GUSTING TO 85	CYCLONIC STORM
26-10-2012/0000	9.5/50.0	55-65 GUSTING TO 75	DEEP DEPRESSION
26-10-2012/1200	8.6/48.5	30-40 GUSTING TO 40	LOW

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 2.5. THE LOWEST CLOUD TOP TEMPERATURE (CTT) IS ABOUT -70^{0}C. ASSOCIATED BROKEN MODERATE TO INTENSE CONVECTION IS SEEN OVER THE ARABIAN SEA BETWEEN LAT 7.0ºN to 13.5ºN AND TO THE WEST OF long 55.5ºE AND ADJOINING SOMALIA COAST. THE CONVECTION SHOWS CURVED BAND FEATURES DISAPPEARING. HOWEVER, THE MAXIMUM INTENSE CONVECTION LIES IN THE SOUTHWEST SECTOR.

SUSTAINED MAXIMUM SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 35 KNOTS GUSTING TO 45 KNOTS AROUND SYSTEM CENTRE. THE STATE OF THE SEA AROUND THE SYSTEM CENTRE IS HIGH. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 1000 HPA.

REMARK:

THE MADDEN JULIAN OSCILLATION INDEX CURRENTLY LIES OVER PHASE 2 WITH AMPLITUDE > 1. AS PER STATISTICAL AND NWP MODEL PREDICTIONS, IT IS EXPECTED TO CONTINUE TO BE IN PHASE 2 DURING NEXT 3 DAYS. THE SEA SURFACE TEMPERATURE IS ABOUT 26-28º C. OVER SOUTHWEST AND ADJOINING WESTCENTRAL ARABIAN SEA. THE OCEAN THERMAL ENERGY IS 50-80 KJ/CM^2 SQUARE AROUND THE SYSTEM CENTRE. IT IS LESS THAN 50 KJ/CM^2 OVER SOMALIA COAST AND ADJOINING SEAS. THE UPPER TROPOSPHERIC RIDGE LIES ALONG 15.0º N AND HENCE LIES TO THE NORTH OF THE SYSTEM CENTRE. THE LOW LEVEL CONVERGENCE SHOWS SLIGHT DECREASE DURING PAST SIX HRS. HOWEVER, UPPER LEVEL DIVERGENCE SHOWS NO SIGNIFICANT CHANGE AS WELL AS LOWER LEVEL RELATIVE VORTICITY. THE VERTICAL WIND SHEAR BETWEEN 200 AND 850 HPA LEVELS IS MODERATE (05-15 KNOTS) AROUND SYSYEM CENTRE AND THERE HAS BEEN NO SIGNIFICANT CHANGE DURING PAST 24 HRS.

CONSIDERING THE NWP MODEL GUIDANCE, MOST OF THE MODELS SUGGEST WEST-SOUTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS SOMALIA COAST DURING NEXT 36 HRS. AS PER THESE MODELS, THERE IS INDICATION OF GRADUAL WEAKENING OF THE SYSTEM AS IT COMES NEARER TO COAST.

(M. MOHAPATRA)
SCIENTIST-E

TOO:250930 HRS IST

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FROM: RSMC –TROPICAL CYCLONES, NEW DELHI

TO: STORM WARNING CENTRE, DHAKA (BANGLADESH)
STORM WARNING CENTRE, YANGAON (MYANMAR)
STORM WARNING CENTRE, BANGKOK (THAILAND)
STORM WARNING CENTRE, COLOMBO (SRILANKA)
STORM WARNING CENTRE, KARACHI (PAKISTAN)
METEOROLOGICAL OFFICE, MALE (MALDIVES)
OMAN METEOROLOGICAL DEPARTMENT, MUSCAT (THROUGH RTH JEDDAH)

TROPICAL CYCLONE ADVISORY

RSMC – TROPICAL CYCLONES, NEW DELHI

TROPICAL STORM **'MURJAN'** ADVISORY NO SIX ISSUED AT 0600 UTC OF 25TH OCTOBER 2012 BASED ON 0300 UTC CHARTS OF 25TH OCTOBER 2012.

THE CYCLONIC STORM **'MURJAN'** MOVED FURTHER WESTWARDS AND LAY CENTRED AT 0300 UTC OF 25TH OCTOBER, 2012 NEAR LATITUDE 10.5^{0}N AND LONGITUDE 53.5^{0}E, ABOUT 2100 KM WEST-SOUTHWEST OF AMINI DIVI (43311) AND ABOUT 240 KM SOUTH OF SOCOTRA ISLAND (41494) AND 350 KM EAST OF SCUSCIUBAN (63220) SOMALIA. IT WOULD MOVE WEST-SOUTHWESTWARDS AND CROSS SOMALIA COAST NEAR LAT. 9.5^0 N AROUND 2100 UTC OF 25TH OCTOBER 2012.

BASED ON LATEST ANALYSIS WITH NWP MODELS AND OTHER CONVENTIONAL TECHNIQUES, ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

DATE/TIME(UTC)	POSITION (LAT. ^{0}N/ LONG. ^{0}E)	SUSTAINED MAXIMUM SURFACE WIND SPEED (KMPH)	CATEGORY
25-10-2012/0300	10.5/53.5	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/0600	10.3/53.0	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/1200	10.1/52.0	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/1800	9.8/51.0	65-75 GUSTING TO 85	CYCLONIC STORM
26-10-2012/0000	9.5/50.0	55-65 GUSTING TO 75	DEEP DEPRESSION
26-10-2012/1200	8.6/48.5	30-40 GUSTING TO 40	LOW

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 2.5. THE LOWEST CLOUD TOP TEMPERATURE (CTT) IS ABOUT -70^{0}C. ASSOCIATED BROKEN MODERATE TO INTENSE CONVECTION IS SEEN OVER THE ARABIAN SEA BETWEEN LAT 7.0ºN to 13.5ºN AND TO THE WEST OF long 55.0ºE AND ADJOINING SOMALIA COAST. THE CONVECTION SHOWS CURVED BAND FEATURES DISAPPEARING. HOWEVER, THE MAXIMUM INTENSE CONVECTION LIES IN THE SOUTHWEST SECTOR.

SUSTAINED MAXIMUM SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 35 KNOTS GUSTING TO 45 KNOTS AROUND SYSTEM CENTRE. THE STATE OF THE SEA AROUND THE SYSTEM CENTRE IS HIGH. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 1000 HPA.

AT 0000 UTC OF 25TH SOCOTRA ISLAND REPORTED 1007 HPA PRESSURE AND 060/21 KTS WIND AND A SHIP (11.2/58.3) REPORTED 1008.9 HPA PRESSURE, 24HRS PRESSURE CHANGE OF -0.6 HPA AND 130/14 KNOTS WIND. AT 0300 UTC OF 25TH SOCOTRA ISLAND REPORTED 1007.9 HPA PRESSURE AND 060/15 KTS WIND.

REMARK:

THE MADDEN JULIAN OSCILLATION INDEX CURRENTLY LIES OVER PHASE 2 WITH AMPLITUDE > 1. AS PER STATISTICAL AND NWP MODEL PREDICTIONS, IT IS EXPECTED TO CONTINUE TO BE IN PHASE 2 DURING NEXT 3 DAYS. THE SEA SURFACE TEMPERATURE IS ABOUT 26-28º C. OVER SOUTHWEST AND ADJOINING WESTCENTRAL ARABIAN SEA. THE OCEAN THERMAL ENERGY IS 50-80 KJ/CM^2 SQUARE AROUND THE SYSTEM CENTRE. IT IS LESS THAN 50 KJ/CM^2 OVER SOMALIA COAST AND ADJOINING SEAS. THE UPPER TROPOSPHERIC RIDGE LIES ALONG 15.0º N AND HENCE LIES TO THE NORTH OF THE SYSTEM CENTRE. THE LOW LEVEL CONVERGENCE SHOWS SLIGHT DECREASE DURING PAST SIX HRS. HOWEVER, UPPER LEVEL DIVERGENCE SHOWS NO SIGNIFICANT CHANGE AS WELL AS LOWER LEVEL RELATIVE VORTICITY. THE VERTICAL WIND SHEAR BETWEEN 200 AND 850 HPA LEVELS IS MODERATE (05-15 KNOTS) AROUND SYSYEM CENTRE AND THERE HAS BEEN NO SIGNIFICANT CHANGE DURING PAST 24 HRS.

CONSIDERING THE NWP MODEL GUIDANCE, MOST OF THE MODELS SUGGEST WEST-SOUTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS SOMALIA COAST DURING NEXT 36 HRS. AS PER THESE MODELS, THERE IS INDICATION OF GRADUAL WEAKENING OF THE SYSTEM AS IT COMES NEARER TO COAST.

(M. MOHAPATRA)
SCIENTIST-E

TOO:251130 HRS IST

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FROM: RSMC –TROPICAL CYCLONES, NEW DELHI

TO: STORM WARNING CENTRE, DHAKA (BANGLADESH)
STORM WARNING CENTRE, YANGAON (MYANMAR)
STORM WARNING CENTRE, BANGKOK (THAILAND)
STORM WARNING CENTRE, COLOMBO (SRILANKA)
STORM WARNING CENTRE, KARACHI (PAKISTAN)
METEOROLOGICAL OFFICE, MALE (MALDIVES)
OMAN METEOROLOGICAL DEPARTMENT, MUSCAT (THROUGH RTH JEDDAH)

TROPICAL CYCLONE ADVISORY

RSMC – TROPICAL CYCLONES, NEW DELHI

TROPICAL STORM **'MURJAN'** ADVISORY NO SEVEN ISSUED AT 0900 UTC OF 25TH OCTOBER 2012 BASED ON 0600 UTC CHARTS OF 25TH OCTOBER 2012.

THE CYCLONIC STORM **'MURJAN'** MOVED SOUTHWESTWARDS AND LAY CENTRED AT 0600 UTC OF 25TH OCTOBER, 2012 NEAR LATITUDE 10.0^{0}N AND LONGITUDE 53.0^{0}E, ABOUT 2150 KM WEST-SOUTHWEST OF AMINI DIVI (43311), 300 KM SOUTH-SOUTHWEST OF SOCOTRA ISLAND (41494) AND 300 KM EAST OF SCUSCIUBAN (63220) SOMALIA. IT WOULD MOVE WEST-SOUTHWESTWARDS AND CROSS SOMALIA COAST NEAR LAT. 9.5^0 N AROUND 2100 UTC OF 25TH OCTOBER 2012.

BASED ON LATEST ANALYSIS WITH NWP MODELS AND OTHER CONVENTIONAL TECHNIQUES, ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

DATE/TIME(UTC)	POSITION (LAT. ^{0}N/ LONG. ^{0}E)	SUSTAINED MAXIMUM SURFACE WIND SPEED (KMPH)	CATEGORY
25-10-2012/0600	10.0/53.0	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/1200	9.8/52.0	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/1800	9.6/51.0	65-75 GUSTING TO 85	CYCLONIC STORM
26-10-2012/0000	9.4/50.0	55-65 GUSTING TO 75	DEEP DEPRESSION
26-10-2012/0600	8.5/48.5	30-40 GUSTING TO 40	LOW

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 2.5. THE LOWEST CLOUD TOP TEMPERATURE (CTT) IS ABOUT -70^{0}C. ASSOCIATED BROKEN MODERATE TO INTENSE CONVECTION IS SEEN OVER THE ARABIAN SEA BETWEEN LAT 7.0ºN to 13.5ºN AND TO THE WEST OF LONG 55.0ºE AND ADJOINING SOMALIA COAST. THE MAXIMUM INTENSE CONVECTION LIES IN THE SOUTHWEST SECTOR.

SUSTAINED MAXIMUM SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 35 KNOTS GUSTING TO 45 KNOTS AROUND SYSTEM CENTRE. THE STATE OF THE SEA AROUND THE SYSTEM CENTRE IS HIGH. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 1000 HPA.

AT 0600 UTC OF 25TH SOCOTRA ISLAND REPORTED 1009 HPA MEAN SEA LEVEL PRESSURE (MSLP) .

REMARK:

THE MADDEN JULIAN OSCILLATION INDEX CURRENTLY LIES OVER PHASE 2 WITH AMPLITUDE > 1. AS PER STATISTICAL AND NWP MODEL PREDICTIONS, IT IS EXPECTED TO CONTINUE TO BE IN PHASE 2 DURING NEXT 3 DAYS. THE SEA SURFACE TEMPERATURE IS ABOUT 26-28º C. OVER SOUTHWEST AND ADJOINING WESTCENTRAL ARABIAN SEA. THE OCEAN THERMAL ENERGY IS 50-80 KJ/CM^2 SQUARE AROUND THE SYSTEM CENTRE. IT IS LESS THAN 50 KJ/CM^2 OVER SOMALIA COAST AND ADJOINING SEAS. THE UPPER TROPOSPHERIC RIDGE LIES ALONG 15.0º N AND HENCE LIES TO THE NORTH OF THE SYSTEM CENTRE. THE LOW LEVEL CONVERGENCE AS WELL AS LOWER LEVEL RELATIVE VORTICITY SHOW NO SIGNIFICANT CHANGE DURING PAST SIX HRS. HOWEVER, UPPER LEVEL DIVERGENCE SHOWS INCREASE DURING THE SAME PERIOD. THE VERTICAL WIND SHEAR BETWEEN 200 AND 850 HPA LEVELS IS MODERATE (05-15 KNOTS) AROUND SYSYEM CENTRE AND THERE HAS BEEN NO SIGNIFICANT CHANGE DURING PAST 24 HRS.

CONSIDERING THE NWP MODEL GUIDANCE, MOST OF THE MODELS SUGGEST WEST-SOUTHWESTWARD MOVEMENT AND CROSSING SOMALIA COAST BETWEEN 251800 AND 260000 UTC WITHIN LAT 10 TO 7^{0}N. AS PER THESE MODELS, THERE IS INDICATION OF GRADUAL WEAKENING OF THE SYSTEM AS IT COMES NEARER TO COAST.

(M. MOHAPATRA)
SCIENTIST-E

TOO:251400 HRS IST

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FROM: RSMC –TROPICAL CYCLONES, NEW DELHI

TO: STORM WARNING CENTRE, DHAKA (BANGLADESH)
STORM WARNING CENTRE, YANGAON (MYANMAR)
STORM WARNING CENTRE, BANGKOK (THAILAND)
STORM WARNING CENTRE, COLOMBO (SRILANKA)
STORM WARNING CENTRE, KARACHI (PAKISTAN)
METEOROLOGICAL OFFICE, MALE (MALDIVES)
OMAN METEOROLOGICAL DEPARTMENT, MUSCAT (THROUGH RTH JEDDAH)

TROPICAL CYCLONE ADVISORY

RSMC – TROPICAL CYCLONES, NEW DELHI

TROPICAL STORM **'MURJAN'** ADVISORY NO EIGHT ISSUED AT 1200 UTC OF 25TH OCTOBER 2012 BASED ON 0900 UTC CHARTS OF 25TH OCTOBER 2012.

THE CYCLONIC STORM **'MURJAN'** MOVED WESTWARDS AND LAY CENTRED AT 0900 UTC OF 25TH OCTOBER, 2012 NEAR LATITUDE 10.0^{0}N AND LONGITUDE 52.5^{0}E, ABOUT 2200 KM WEST-SOUTHWEST OF AMINI DIVI (43311), 330 KM SOUTH-SOUTHWEST OF SOCOTRA ISLAND (41494) AND 250 KM EAST OF SCUSCIUBAN (63220), SOMALIA. IT WOULD MOVE WEST-SOUTHWESTWARDS AND CROSS SOMALIA COAST NEAR LAT. 9.5^0 N AROUND 2100 UTC OF 25TH OCTOBER 2012.

BASED ON LATEST ANALYSIS WITH NWP MODELS AND OTHER CONVENTIONAL TECHNIQUES, ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

DATE/TIME(UTC)	POSITION (LAT. ^{0}N/ LONG. ^{0}E)	SUSTAINED MAXIMUM SURFACE WIND SPEED (KMPH)	CATEGORY
25-10-2012/0900	10.0/52.5	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/1200	9.8/52.0	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/1800	9.6/51.0	65-75 GUSTING TO 85	CYCLONIC STORM
26-10-2012/0000	9.4/50.0	55-65 GUSTING TO 75	DEEP DEPRESSION
26-10-2012/0600	8.5/48.5	30-40 GUSTING TO 40	LOW

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 2.5. THE LOWEST CLOUD TOP TEMPERATURE (CTT) IS ABOUT -70^{0}C. ASSOCIATED BROKEN MODERATE TO INTENSE CONVECTION IS SEEN OVER THE ARABIAN SEA BETWEEN LAT 7.0ºN to 14.0ºN AND TO THE WEST OF LONG 54.5ºE AND ADJOINING SOMALIA. THE MAXIMUM INTENSE CONVECTION LIES IN THE SOUTHWEST SECTOR.

SUSTAINED MAXIMUM SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 35 KNOTS GUSTING TO 45 KNOTS AROUND SYSTEM CENTRE. THE STATE OF THE SEA AROUND THE SYSTEM CENTRE IS HIGH. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 1000 HPA.

AT 0800 UTC OF 25TH SOCOTRA ISLAND REPORTED 1008 HPA MEAN SEA LEVEL PRESSURE (MSLP) AND 070/25 KTS WIND .

REMARK:

THE MADDEN JULIAN OSCILLATION INDEX CURRENTLY LIES OVER PHASE 2 WITH AMPLITUDE > 1. AS PER STATISTICAL AND NWP MODEL PREDICTIONS, IT IS EXPECTED TO CONTINUE TO BE IN PHASE 2 DURING NEXT 3 DAYS. THE SEA SURFACE TEMPERATURE IS ABOUT 26-28º C. OVER SOUTHWEST AND ADJOINING WESTCENTRAL ARABIAN SEA. THE OCEAN THERMAL ENERGY IS 50-80 KJ/CM^2 AROUND THE SYSTEM CENTRE. IT IS LESS THAN 50 KJ/CM^2 OVER SOMALIA COAST AND ADJOINING SEAS. THE UPPER TROPOSPHERIC RIDGE LIES ALONG 15.0º N AND HENCE LIES TO THE NORTH OF THE SYSTEM CENTRE. THE LOW LEVEL CONVERGENCE AS WELL AS LOWER LEVEL RELATIVE VORTICITY SHOW NO SIGNIFICANT CHANGE DURING PAST SIX HRS. HOWEVER, UPPER LEVEL DIVERGENCE SHOWS INCREASE DURING THE SAME PERIOD. THE VERTICAL WIND SHEAR BETWEEN 200 AND 850 HPA LEVELS IS MODERATE (05-15 KNOTS) AROUND SYSYEM CENTRE AND THERE HAS BEEN NO SIGNIFICANT CHANGE DURING PAST 24 HRS.

CONSIDERING THE NWP MODEL GUIDANCE, MOST OF THE MODELS SUGGEST WEST-SOUTHWESTWARD MOVEMENT AND CROSSING SOMALIA COAST BETWEEN 251800 AND 260000 UTC WITHIN LAT 10 TO 7^{0}N. AS PER THESE MODELS, THERE IS INDICATION OF GRADUAL WEAKENING OF THE SYSTEM AS IT COMES NEARER TO COAST.

(M. MOHAPATRA)
SCIENTIST-E

TOO:251600 HRS IST

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FROM: RSMC –TROPICAL CYCLONES, NEW DELHI
TO: STORM WARNING CENTRE, DHAKA (BANGLADESH)
STORM WARNING CENTRE, YANGAON (MYANMAR)
STORM WARNING CENTRE, BANGKOK (THAILAND)
STORM WARNING CENTRE, COLOMBO (SRILANKA)
STORM WARNING CENTRE, KARACHI (PAKISTAN)
METEOROLOGICAL OFFICE, MALE (MALDIVES)
OMAN METEOROLOGICAL DEPARTMENT, MUSCAT (THROUGH RTH JEDDAH)
TROPICAL CYCLONE ADVISORY
RSMC – TROPICAL CYCLONES, NEW DELHI

TROPICAL STORM **'MURJAN'** ADVISORY NO NINE ISSUED AT 1500 UTC OF 25TH OCTOBER 2012 BASED ON 1200 UTC CHARTS OF 25TH OCTOBER 2012.

THE CYCLONIC STORM **'MURJAN'** MOVED SOUTHWESTWARDS AND LAY CENTRED AT 1200 UTC OF 25TH OCTOBER, 2012 NEAR LATITUDE 9.5^{0}N AND LONGITUDE 51.5^{0}E, ABOUT 2300 KM WEST-SOUTHWEST OF AMINI DIVI (43311), 430 KM SOUTH-SOUTHWEST OF SOCOTRA ISLAND (41494) AND 160 KM EAST OF SCUSCIUBAN (63220), SOMALIA. IT WOULD MOVE WEST-SOUTHWESTWARDS AND CROSS SOMALIA COAST NEAR LAT. 9.0^0 N BETWEEN 1800 & 2100 UTC OF 25TH OCTOBER 2012.

BASED ON LATEST ANALYSIS WITH NWP MODELS AND OTHER CONVENTIONAL TECHNIQUES, ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

DATE/TIME(UTC)	POSITION (LAT. ^{0}N/ LONG. ^{0}E)	SUSTAINED MAXIMUM SURFACE WIND SPEED (KMPH)	CATEGORY
25-10-2012/1200	9.5/51.5	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/1800	9.0/50.5	65-75 GUSTING TO 85	CYCLONIC STORM
26-10-2012/0000	8.5/49.5	65-75 GUSTING TO 85	CYCLONIC STORM
26-10-2012/0600	8.0/48.5	55-65 GUSTING TO 75	DEEP DEPRESSION
26-10-2012/1200	7.5/47.5	30-40 GUSTING TO 40	LOW

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 2.5. THE LOWEST CLOUD TOP TEMPERATURE (CTT) IS ABOUT -70^{0}C. ASSOCIATED BROKEN MODERATE TO INTENSE CONVECTION IS SEEN OVER THE ARABIAN SEA BETWEEN LAT 7.0ºN to 14.0ºN AND TO THE WEST OF LONG 54.5ºE AND ADJOINING SOMALIA.

SUSTAINED MAXIMUM SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 35 KNOTS GUSTING TO 45 KNOTS AROUND SYSTEM CENTRE. THE STATE OF THE SEA AROUND THE SYSTEM CENTRE IS HIGH. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 1000 HPA.

AT 1200 UTC OF 25TH SOCOTRA ISLAND REPORTED 1006 HPA MEAN SEA LEVEL PRESSURE (MSLP) AND 070/30 KTS WIND .

REMARK:

THE MADDEN JULIAN OSCILLATION INDEX CURRENTLY LIES OVER PHASE 2 WITH AMPLITUDE > 1. AS PER STATISTICAL AND NWP MODEL PREDICTIONS, IT IS EXPECTED TO CONTINUE TO BE IN PHASE 2 DURING NEXT 3 DAYS. THE SEA SURFACE TEMPERATURE IS ABOUT 26-28º C. OVER SOUTHWEST AND ADJOINING WESTCENTRAL ARABIAN SEA. THE OCEAN THERMAL ENERGY IS 50-80 KJ/CM^2 AROUND THE SYSTEM CENTRE. IT IS LESS THAN 50 KJ/CM^2 OVER SOMALIA COAST AND ADJOINING SEAS. THE UPPER TROPOSPHERIC RIDGE LIES ALONG 16.0º N AND HENCE LIES TO THE NORTH OF THE SYSTEM CENTRE. THE LOW LEVEL CONVERGENCE AS WELL AS LOWER LEVEL RELATIVE VORTICITY AND UPPER LEVEL DIVERGENCE SHOW NO SIGNIFICANT CHANGE DURING PAST SIX HRS. THE VERTICAL WIND SHEAR BETWEEN 200 AND 850 HPA LEVELS IS MODERATE (05-15 KNOTS) AROUND SYSYEM CENTRE AND THERE HAS BEEN FALL IN WIND SHEAR BY 5-10 KTS. THE SYSTEM IS INTERACTING WITH LAND SURFACE.

CONSIDERING THE NWP MODEL GUIDANCE, MOST OF THE MODELS SUGGEST WEST-SOUTHWESTWARD MOVEMENT AND CROSSING SOMALIA COAST BETWEEN 251800 AND 260000 UTC WITHIN LAT 10 TO 7^{0}N. AS PER THESE MODELS, THERE IS INDICATION OF GRADUAL WEAKENING OF THE SYSTEM AS IT COMES NEARER TO COAST.

(M. MOHAPATRA)
SCIENTIST-E

TOO:251900 HRS IST

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FROM: RSMC –TROPICAL CYCLONES, NEW DELHI
TO: STORM WARNING CENTRE, DHAKA (BANGLADESH)
STORM WARNING CENTRE, YANGAON (MYANMAR)
STORM WARNING CENTRE, BANGKOK (THAILAND)
STORM WARNING CENTRE, COLOMBO (SRILANKA)
STORM WARNING CENTRE, KARACHI (PAKISTAN)
METEOROLOGICAL OFFICE, MALE (MALDIVES)
OMAN METEOROLOGICAL DEPARTMENT, MUSCAT (THROUGH RTH JEDDAH)
TROPICAL CYCLONE ADVISORY
RSMC – TROPICAL CYCLONES, NEW DELHI

TROPICAL STORM **'MURJAN'** ADVISORY NO TEN ISSUED AT 1800 UTC OF 25TH OCTOBER 2012 BASED ON 1500 UTC CHARTS OF 25TH OCTOBER 2012.

THE CYCLONIC STORM **'MURJAN'** MOVED WESTWARDS AND LAY CENTRED AT 1500 UTC OF 25TH OCTOBER, 2012 NEAR LATITUDE 9.5^{0}N AND LONGITUDE 51.0^{0}E, NEAR SOMALIA COAST. IT WOULD MOVE WEST-SOUTHWESTWARDS AND CROSS SOMALIA COAST BETWEEN LAT. 9.0^0 N AND 9.5^{0}N BETWEEN 1800 & 2100 UTC OF 25TH OCTOBER 2012.

BASED ON LATEST ANALYSIS WITH NWP MODELS AND OTHER CONVENTIONAL TECHNIQUES, ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

DATE/TIME(UTC)	POSITION (LAT. ^{0}N/ LONG. ^{0}E)	SUSTAINED MAXIMUM SURFACE WIND SPEED (KMPH)	CATEGORY
25-10-2012/1500	9.5/51.0	65-75 GUSTING TO 85	CYCLONIC STORM
25-10-2012/1800	9.3/50.5	65-75 GUSTING TO 85	CYCLONIC STORM
26-10-2012/0000	8.8/49.5	55-65 GUSTING TO 75	DEEP DEPRESSION
26-10-2012/0600	8.3/48.5	45-55 GUSTING TO 65	DEPRESSION
26-10-2012/1200	7.8/47.5	30-40 GUSTING TO 40	LOW

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 2.5. ASSOCIATED BROKEN MODERATE TO INTENSE CONVECTION IS SEEN OVER THE ARABIAN SEA BETWEEN LAT 6.0ºN to 11.5ºN AND TO THE WEST OF LONG 54.0ºE AND SOMALIA. CONVECTION HAS SPLIT, INDICATING DISORGANISATION AND WEAKENING OF THE SYSTEM. THE CLOUD TOP TEMPERATURE (CTT) IS IN INCREASING TREND AND CURRENT CTT IS ABOUT -50^{0}C TO -60^{0}C.

SUSTAINED MAXIMUM SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 35 KNOTS GUSTING TO 45 KNOTS AROUND SYSTEM CENTRE. THE STATE OF THE SEA AROUND THE SYSTEM CENTRE IS HIGH. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 1000 HPA.

AT 1500 UTC OF 25TH SOCOTRA ISLAND REPORTED 1008 HPA MEAN SEA LEVEL PRESSURE (MSLP) AND 060/20 KTS WIND .

REMARK:

THE MADDEN JULIAN OSCILLATION INDEX CURRENTLY LIES OVER PHASE 2 WITH AMPLITUDE > 1. AS PER STATISTICAL AND NWP MODEL PREDICTIONS, IT IS EXPECTED TO CONTINUE TO BE IN PHASE 2 DURING NEXT 3 DAYS. THE SEA SURFACE TEMPERATURE IS ABOUT 26-28º C. OVER SOUTHWEST AND ADJOINING WESTCENTRAL ARABIAN SEA. THE OCEAN THERMAL ENERGY IS 50-80 KJ/CM^2 AROUND THE SYSTEM CENTRE. IT IS LESS THAN 50 KJ/CM^2 OVER SOMALIA COAST AND ADJOINING SEAS. THE UPPER TROPOSPHERIC RIDGE LIES ALONG 16.0º N AND HENCE LIES TO THE NORTH OF THE SYSTEM CENTRE. THE LOW LEVEL CONVERGENCE AS WELL AS LOWER LEVEL RELATIVE VORTICITY AND UPPER LEVEL DIVERGENCE SHOW NO SIGNIFICANT CHANGE DURING PAST SIX HRS. THE VERTICAL WIND SHEAR BETWEEN 200 AND 850 HPA LEVELS IS MODERATE (05-15 KNOTS) AROUND SYSYEM CENTRE AND THERE HAS BEEN FALL IN WIND SHEAR BY 5-10 KTS. THE SYSTEM IS INTERACTING WITH LAND SURFACE.

CONSIDERING THE NWP MODEL GUIDANCE, MOST OF THE MODELS SUGGEST WEST-SOUTHWESTWARD MOVEMENT AND CROSSING SOMALIA COAST BETWEEN 251800 AND 260000 UTC WITHIN LAT 10 TO 7^{0}N. AS PER THESE MODELS, THERE IS INDICATION OF GRADUAL WEAKENING OF THE SYSTEM.

(M. MOHAPATRA)
SCIENTIST-E

TOO:252130 HRS IST

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FROM: RSMC –TROPICAL CYCLONES, NEW DELHI

TO: STORM WARNING CENTRE, DHAKA (BANGLADESH)
STORM WARNING CENTRE, YANGAON (MYANMAR)
STORM WARNING CENTRE, BANGKOK (THAILAND)
STORM WARNING CENTRE, COLOMBO (SRILANKA)
STORM WARNING CENTRE, KARACHI (PAKISTAN)
METEOROLOGICAL OFFICE, MALE (MALDIVES)
OMAN METEOROLOGICAL DEPARTMENT, MUSCAT (THROUGH RTH JEDDAH)

TROPICAL CYCLONE ADVISORY

RSMC – TROPICAL CYCLONES, NEW DELHI

TROPICAL STORM **'MURJAN'** ADVISORY NO ELEVEN ISSUED AT 2100 UTC OF 25TH OCTOBER 2012 BASED ON 1800 UTC CHARTS OF 25TH OCTOBER 2012.

THE CYCLONIC STORM **'MURJAN'** MOVED WESTWARDS, CROSSED SOMALIA COAST NEAR LAT. 9.5^{0} N BETWEEN 1700 - 1800 UTC OF 25TH OCTOBER 2012, WEAKENED INTO A DEEP DEPRESSION AND LAY CENTRED AT 1800 UTC OF 25TH OCTOBER, 2012 OVER COASTAL SOMALIA NEAR LATITUDE 9.5^{0}N AND LONGITUDE 50.0^{0}E. IT WOULD MOVE WEST-SOUTHWESTWARDS AND WEAKEN FURTHER.

BASED ON LATEST ANALYSIS WITH NWP MODELS AND OTHER CONVENTIONAL TECHNIQUES, ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

DATE/TIME(UTC)	POSITION (LAT. ^{0}N/ LONG. ^{0}E)	SUSTAINED MAXIMUM SURFACE WIND SPEED (KMPH)	CATEGORY
25-10-2012/1800	9.5/50.5	55-65 GUSTING TO 75	DEEP DEPRESSION
26-10-2012/0000	9.3/49.5	50-60 GUSTING TO 70	DEEP DEPRESSION
26-10-2012/0600	9.0/48.5	40-50 GUSTING TO 60	DEPRESSION
26-10-2012/1200	8.7/47.5	20-30 GUSTING TO 40	LOW

SATELLITE IMAGERIES SHOW ASSOCIATED BROKEN INTENSE CONVECTION OVER THE ARABIAN SEA BETWEEN LAT 7.0ºN to 12.0ºN AND TO THE WEST OF LONG 53.0ºE AND OVER NORTH SOMALIA AND ADJOINING ETHIOPIA. CONVECTION HAS SPLIT, INDICATING DISORGANISATION AND WEAKENING OF THE SYSTEM. THE CURRENT CLOUD TOP TEMPERATURE (CTT) IS ABOUT -50^{0}C TO -60^{0}C.

SUSTAINED MAXIMUM SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 30 KNOTS GUSTING TO 40 KNOTS AROUND SYSTEM CENTRE. THE STATE OF THE SEA OFF SOMALIA COAST WILL BE VERY ROUGH.

(R.P.SHARMA)
DUTY OFFICER

TOO:260250 HRS IST

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

SPECIAL TROPICAL WEATHER OUTLOOK

DEMS–RSMC TROPICAL CYCLONES NEW DELHI 26.10.2012

TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 24 HOURS ISSUED AT 0300 UTC OF 26 OCTOBER, 2012 BASED ON 0000 UTC OF 26 OCTOBER, 2012 (.)

THE DEEP DEPRESSION OVER COASTAL SOMALIA MOVED WESTWARD, WEAKENED INTO A DEPRESSION AND LAY CENTRED AT 0000 UTC OF TODAY, THE 26TH OCTOBER, 2012 OVER SOMALIA NEAR LAT. 9.5^{0}N AND LONG 49.5^{0} E. IT WOULD MOVE WEST-SOUTWESTWARDS AND WEAKEN INTO A LOW PRESSURE AREA DURING NEXT 12 HRS.

(R.P.SHARMA)
DUTY OFFICER

TOO:260830 HRS IST

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

SPECIAL TROPICAL WEATHER OUTLOOK

DEMS–RSMC TROPICAL CYCLONES NEW DELHI 26.10.2012

TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 24 HOURS ISSUED AT 0600 UTC OF 26 OCTOBER, 2012 BASED ON 0300 UTC OF 26 OCTOBER, 2012.

THE DEPRESSION OVER SOMALIA MOVED FURTHER WESTWARD AND LAY CENTRED AT 0300 UTC OF TODAY, THE 26TH OCTOBER, 2012 OVER SOMALIA NEAR LAT. 9.5^{0}N AND LONG 48.5^0 E. IT WOULD MOVE WESTWARDS AND WEAKEN INTO A LOW PRESSURE AREA DURING NEXT 12 HRS.

BROKEN LOW/MEDIUM CLOUDS WITH EMBEDDED MODERATE TO INTENSE CONVECTION OVER NORTH SOMALIA, ADJOINING ETHIOPIA AND ADJOINING ARABIAN SEA ARE SEEN IN ASSOCIATION WITH DEPRESSION.

SCATTERED TO BROKEN LOW/MEDIUM CLOUDS WITH EMBEDDED MODERATE TO INTENSE CONVECTION ARE SEEN OVER ANDAMAN SEA, ADJOINING SOUTHEAST BAY OF BENGAL AND BAY ISLANDS IN ASSOCIATION WITH LOW LEVEL CIRCULATION OVER THE AREA.

THIS IS THE LAST BULLETIN OF THIS SYSTEM.

(M.MOHAPATRA)
SCIENTIST-E

TOO:261100 HRS IST