



## REGIONAL SPECIALISED METEOROLOGICAL CENTRE-TROPICAL CYCLONES, NEW DELHI TROPICAL WEATHER OUTLOOK

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 06.10.2014

**TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 72 HOURS ISSUED AT 0600 UTC.**

### BAY OF BENGAL & ANDAMAN SEA:-

UNDER THE INFLUENCE OF YESTERDAY'S CYCLONIC CIRCULATION OVER GULF OF SIAM, A LOW PRESSURE AREA HAS FORMED OVER TENASSERIM COAST AND ADJOINING ANDAMAN SEA. IT WOULD CONCENTRATE INTO A DEPRESSION DURING THE NEXT 24 HOURS.

BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER ANDAMAN SEA BETWEEN LATITUDE 8.0°NORTH TO 13.0°NORTH AND WEST OF LONGITUDE 97.0°EAST. BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED MODERATE TO INTENSE CONVECTION OVER SOUTHEAST BAY AND SOUTH TENASSERIM COAST.

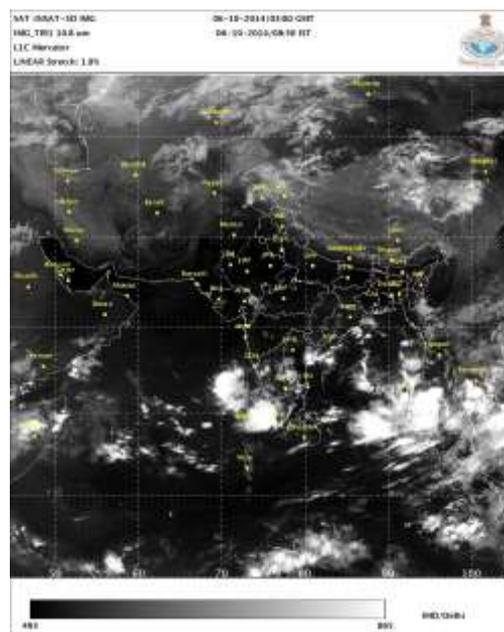
### PROBABILITY OF CYCLOGENESIS DURING NEXT 72 HOURS:

24 HOURS	24-48 HOURS	48-72 HOURS
MODERATE	HIGH	HIGH

### ARABIAN SEA:-

BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER SOUTHEAST AND ADJOINING EASTCENTRAL ARABIAN SEA BETWEEN LATITUDE 7.5° NORTH TO 15.0° NORTH AND EAST OF LONGITUDE 69.0° EAST.

PROBABILITY OF CYCLOGENESIS DURING NEXT 72 HRS: NIL.



### PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)

NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%  
Contact: Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com



भारत मौसम विज्ञान विभाग  
INDIA METEOROLOGICAL DEPARTMENT

**SPECIAL TROPICAL**

**WEATHER OUTLOOK**

**DEMS-RSMC TROPICAL CYCLONES NEW DELHI 07-10-2014**

**TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 24 HOURS ISSUED AT 0600 UTC OF 07th OCTOBER, 2014 BASED ON 0300 UTC OF 07 OCTOBER, 2014.**

LATEST OBSERVATIONS INDICATE THAT A DEPRESSION HAS FORMED OVER NORTH ANDAMAN SEA AND LAY CENTRED AT 0300 UTC OF TODAY, THE 7<sup>TH</sup> OCTOBER 2014 NEAR LATITUDE 11.5<sup>0</sup> NORTH AND LONGITUDE 95.0<sup>0</sup> EAST, ABOUT 250 KM EAST-SOUTHEAST OF LONG ISLAND (43310). IT WOULD MOVE WEST-NORTHWESTWARDS AND INTENSIFY INTO A DEEP DEPRESSION WITHIN NEXT 24 HRS AND SUBSEQUENTLY INTO A CYCLONIC STORM. IT WOULD CROSS ANDAMAN AND NICOBAR ISLANDS CLOSE TO LONG ISLAND BY TOMORROW FORENOON. THEREAFTER, THE SYSTEM WOULD CONTINUE TO MOVE WEST-NORTHWESTWARDS FOR SOME MORETIME AND THEN NORTHWESTWARDS TOWARDS NORTH ANDHRA PRADESH AND ODISHA COAST DURING SUBSEQUENT 72 HOURS.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 1.5. THE ASSOCIATED INTENSE TO VERY INTENSE CONVECTION LIES OVER BAY ISLANDS, ANDAMAN SEA AND OVER BAY BETWEEN LATITUDE 9.0<sup>0</sup> NORTH TO 16.0<sup>0</sup> NORTH AND EAST OF LONGITUDE 90.0<sup>0</sup> EAST. THE ASSOCIATED CONVECTION HAS INCREASED GRADUALLY WITH RESPECT TO HEIGHT AND ORGANISATION DURING PAST 24 HRS. THE LOWEST CLOUD TOP TEMPERATURE (CTT) IS ABOUT -60<sup>0</sup>C.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 25 KNOTS GUSTING TO 35 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS ROUGH TO VERY ROUGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 1004 HPA.

**REMARKS:**

SCATTEROMETRY DATA INDICATES THE CYCLONIC CIRCULATION OVER THE REGION AND ASSOCIATED WIND SPEED TO BE ABOUT 25-35 KNOTS WIND SPEED IS RELATIVELY HIGHER IN NORTHERN SECTOR. BUOY LOCATED NEAR 10.5<sup>0</sup> NORTH AND 93.9<sup>0</sup> EAST REPORTS MEAN SEA LEVEL PRESSURE OF 1005.1 HPA AND SURFACE WIND OF SOUTHWESTERLY 25 KNOTS. THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 19<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW IN ASSOCIATION WITH THE ANTICYCLONIC CIRCULATION TO THE NORTHEAST OF THE SYSTEM CENTRE. HENCE UPPER LEVEL DIVERGENCE IS FAVOURABLE FOR INTENSIFICATION. THE LOW LEVEL CONVERGENCE ALONG WITH LOW LEVEL RELATIVE VORTICITY HAS INCREASED FURTHER IN PAST 24 HRS. THE SEA SURFACE TEMPERATURE IS ABOUT 30-32<sup>0</sup>C AND OCEAN THERMAL ENERGY IS ABOUT 60-80 KJ/CM<sup>2</sup>. THE VERTICAL WIND SHEAR OF HORIZONTAL WIND HAS DECREASED AND IS ABOUT 10-20 KNOTS (LOW TO MODERATE). THE MADDEN JULLIAN OSCILLATION (MJO) INDEX LIES OVER PHASE 6 WITH AMPLITUDE LESS THAN 1. NWP MODELS SUGGEST THAT MJO WOULD CONTINUE IN PHASE 6 DURING NEXT 3 DAYS. MOST OF THE NWP MODELS SUGGEST WEST-NORTHWESTWARD TO NORTHWESTWARD MOVEMENT OF THE SYSTEM AND INTENSIFICATION DURING NEXT 72 HRS.

**(M.MOHAPATRA)**

TOO:1300 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

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INDIA METEOROLOGICAL DEPARTMENT

**SPECIAL TROPICAL WEATHER OUTLOOK**

**DEMS-RSMC TROPICAL CYCLONES NEW DELHI 07-10-2014**

**TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 24 HOURS ISSUED AT 1500 UTC OF 07th OCTOBER, 2014 BASED ON 1200 UTC OF 07 OCTOBER, 2014.**

THE DEPRESSION OVER NORTH ANDAMAN SEA MOVED WEST-NORTHWESTWARDS DURING PAST SIX HOURS, INTENSIFIED INTO A DEEP DEPRESSION AND LAY CENTERED AT 1200 UTC OF TODAY, THE 7<sup>TH</sup> OCTOBER 2014 OVER NORTH ANDAMAN SEA & NEIGHBOURHOOD NEAR LATITUDE 12.0° NORTH AND LONGITUDE 94.0° EAST, ABOUT 130 KM EAST-SOUTHEAST OF LONG ISLAND (43310). IT WOULD FURTHER MOVE WEST-NORTHWESTWARDS AND INTENSIFY INTO A CYCLONIC STORM DURING NEXT 24 HOURS. IT WOULD CROSS ANDAMAN & NICOBAR ISLANDS CLOSE TO LONG ISLAND BY TOMORROW FORENOON. THEREAFTER, THE SYSTEM WOULD CONTINUE TO MOVE WEST-NORTHWESTWARDS FOR SOME MORE TIME AND THEN NORTHWESTWARDS TOWARDS NORTH ANDHRA PRADESH - ODISHA COAST DURING SUBSEQUENT 96 HOURS.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 2.0. THE ASSOCIATED INTENSE TO VERY INTENSE CONVECTION LIES OVER ANDAMAN SEA, BAY ISLANDS AND OVER BAY BETWEEN LATITUDE 7.5° NORTH TO 16.0° NORTH AND EAST OF LONGITUDE 88.0° EAST. THE ASSOCIATED CONVECTION HAS INCREASED GRADUALLY WITH RESPECT TO HEIGHT AND ORGANISATION DURING PAST 12 HRS. THE LOWEST CLOUD TOP TEMPERATURE (CTT) IS ABOUT - 70°C.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 30 KNOTS GUSTING TO 40 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS VERY ROUGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 1000 HPA.

**REMARKS:**

SCATTEROMETRY DATA INDICATES THE CYCLONIC CIRCULATION OVER THE REGION AND ASSOCIATED WIND SPEED TO BE ABOUT 30 KNOTS. WIND SPEED IS RELATIVELY HIGHER IN EASTERN SECTOR. BUOY LOCATED NEAR 10.5° NORTH AND 93.9° EAST REPORTS MEAN SEA LEVEL PRESSURE OF 1001.4 HPA AND SURFACE WIND OF SOUTHWESTERLY 21 KNOTS. PORT BLAIR (43333) REPORTED SURFACE WIND OF 320/08 KNOTS AND MSLP OF 1003 HPA. THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 18°N AND IS PROVIDING POLEWARD OUT FLOW IN ASSOCIATION WITH THE ANTICYCLONIC CIRCULATION TO THE NORTHEAST OF THE SYSTEM CENTRE. HENCE UPPER LEVEL DIVERGENCE IS FAVOURABLE FOR INTENSIFICATION. THE LOW LEVEL CONVERGENCE ALONG WITH LOW LEVEL RELATIVE VORTICITY HAS INCREASED FURTHER IN PAST 12 HRS. THE SEA SURFACE TEMPERATURE IS ABOUT 30-32°C AND OCEAN THERMAL ENERGY IS ABOUT 60-80 KJ/CM<sup>2</sup>. THE VERTICAL WIND SHEAR OF HORIZONTAL WIND IS ABOUT 10-20 KNOTS (LOW TO MODERATE). MOST OF THE NWP MODELS SUGGEST WEST-NORTHWESTWARD TO NORTHWESTWARD MOVEMENT OF THE SYSTEM AND INTENSIFICATION DURING NEXT FIVE DAYS.

TOO:2030 HRS IST

**(M.MOHAPATRA)**

**HEAD, RSMC, NEW DELHI**

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

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INDIA METEOROLOGICAL DEPARTMENT

**SPECIAL TROPICAL**

**WEATHER OUTLOOK**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
STORM 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 'HUD HUD' ADVISORY NO. ONE ISSUED AT 0600 UTC OF 8<sup>TH</sup> OCTOBER 2014 BASED ON 0300 UTC CHARTS.

THE DEEP DEPRESSION OVER NORTH ANDAMAN SEA & NEIGHBOURHOOD MOVED WEST-NORTHWESTWARD, INTENSIFIED INTO A CYCLONIC STORM 'HUD HUD' AND LAY CENTERED AT 0300 UTC OF 8TH OCTOBER 2014 OVER NORTH ANDAMAN SEA NEAR LATITUDE 12.3°N AND LONGITUDE 92.9°E, CLOSE TO LONG ISLAND. IT IS NOW CROSSING ANDAMAN & NICOBAR ISLANDS CLOSE TO LONG ISLAND. THEREAFTER, THE SYSTEM WOULD CONTINUE TO MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A SEVERE CYCLONIC STORM DURING NEXT 24 HOURS AND SUBSEQUENTLY INTO A VERY SEVERE CYCLONIC STORM DURING SUBSEQUENT 36 HOURS. THE SYSTEM WOULD CROSS NORTH COASTAL ANDHRA PRADESH AND SOUTH ODISHA COAST BETWEEN VISAKHAPATNAM (43149) AND GOPALPUR (43049) AROUND NOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 2.5. CENTRE IS CLEARLY DEFINED IN VISIBLE IMAGERY. THE ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER THE ANDAMAN ISLANDS, ADJOINING ANDAMAN SEA AND OVER BAY OF BENGAL BETWEEN LATITUDE 10.0°N TO 16.0°N, LONG 87.0°E TO 94.0°E.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 35 KNOTS GUSTING TO 40 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 998 HPA.

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. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic disturbance
08-10-2014/0300	12.3/92.9	65-75 gusting to 85	Cyclonic Storm
08-10-2014/0600	12.7/92.5	70-80 gusting to 90	Cyclonic Storm
08-10-2014/1200	13.2/91.6	75-85 gusting to 95	Cyclonic Storm
08-10-2014/1800	13.6/90.9	80-90 gusting to 100	Cyclonic Storm

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)

09-10-2014/0000	14.0/90.2	90-100 gusting to 110	Severe Cyclonic Storm
09-10-2014/1200	14.7/89.0	100-110 gusting to 120	Severe Cyclonic Storm
10-10-2014/0000	15.4/88.0	110-120 gusting to 135	Severe Cyclonic Storm
10-10-2014/1200	16.1/86.8	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/0000	16.7/85.8	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/1200	17.2/84.7	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0000	17.7/83.7	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/1200	18.2/82.7	120-130 gusting to 145	Very Severe Cyclonic Storm
13-10-2014/0000	18.9/81.7	80-90 gusting to 100	Cyclonic Storm

**REMARKS:**

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 18<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW IN ASSOCIATION WITH THE ANTICYCLONIC CIRCULATION TO THE NORTHEAST OF THE SYSTEM CENTRE. THE SYSTEM IS TRACKING WEST NORTHWEST ALONG THE SUB-TROPICAL RIDGE. THE SEA SURFACE TEMPERATURE IS ABOUT 30-32<sup>0</sup>C AND OCEAN THERMAL ENERGY IS ABOUT 60-80 KJ/CM<sup>2</sup>. THE LOW LEVEL CONVERGENCE ALONG WITH LOW LEVEL RELATIVE VORTICITY HAS INCREASED FURTHER IN PAST 24 HRS.THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM.

**(KAMALJIT RAY)**

**Scientist-E**

**RSMC, NEW DELHI**

TOO:1200 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

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INDIA METEOROLOGICAL DEPARTMENT

**SPECIAL TROPICAL**

**WEATHER OUTLOOK**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
STORM 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 'HUDHUD' ADVISORY NO. TWO ISSUED AT 1000 UTC OF 8TH OCTOBER 2014  
BASED ON 0600 UTC CHARTS.

THE CYCLONIC STORM 'HUDHUD' OVER NORTH ANDAMAN SEA MOVED WEST-NORTHWESTWARD AND CROSSED ANDAMAN & NICOBAR ISLANDS CLOSE TO LONG ISLAND BETWEEN 0300 AND 0400 UTC OF TODAY. IT LAY CENTERED AT 0600 UTC OF 8TH OCTOBER 2014 NEAR LATITUDE 12.5°N AND LONGITUDE 92.5°E ABOUT 1100 KM SOUTHEAST OF GOPALPUR AND 1150 KM EAST-SOUTHEAST OF VISAKHAPATNAM. THE SYSTEM WOULD CONTINUE TO MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A SEVERE CYCLONIC STORM DURING NEXT 24 HOURS AND INTO A VERY SEVERE CYCLONIC STORM DURING SUBSEQUENT 36 HOURS. THE SYSTEM WOULD CROSS NORTH ANDHRA PRADESH AND SOUTH ODISHA COASTS BETWEEN VISAKHAPATNAM (43149) AND GOPALPUR (43049) AROUND NOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 2.5. THE ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER ANDAMAN ISLANDS, ADJOINING ANDAMAN SEA AND OVER BAY OF BENGAL BETWEEN LATITUDE 10.0°N TO 16.0°N AND LONG 87.0°E TO 94.0°E.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 35 KNOTS GUSTING TO 40 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 998 HPA.

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

<b>Date/Time(UTC)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
08-10-2014/0600	12.5/92.5	70-80 gusting to 90	Cyclonic Storm
08-10-2014/1200	13.2/91.6	75-85 gusting to 95	Cyclonic Storm
08-10-2014/1800	13.6 /90.9	80-90 gusting to 100	Cyclonic Storm
09-10-2014/0000	14.0/90.2	90-100 gusting to 110	Severe Cyclonic Storm
09-10-2014/0600	14.4/89.6	90-100 gusting to 110	Severe Cyclonic Storm
09-10-2014/1800	15.1/88.5	100-110 gusting to 120	Severe Cyclonic Storm

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

10-10-2014/0600	15.8/87.4	110-120 gusting to 135	Severe Cyclonic Storm
10-10-2014/1800	16.4/86.3	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/0600	17.0/85.2	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/1800	17.4/84.2	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0600	17.9/83.2	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/1800	18.5/82.2	100-110 gusting to 120	Severe Cyclonic Storm
13-10-2014/0600	19.0/81.2	70-80 gusting to 90	Cyclonic Storm

**REMARKS:**

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 18<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW IN ASSOCIATION WITH THE ANTICYCLONIC CIRCULATION TO THE NORTHEAST OF THE SYSTEM CENTRE. THE SYSTEM IS TRACKING WEST NORTHWEST ALONG THE SUB-TROPICAL RIDGE. THE SEA SURFACE TEMPERATURE IS ABOUT 30-32<sup>0</sup>C AND OCEAN THERMAL ENERGY IS ABOUT 60-80 KJ/CM<sup>2</sup>. THE LOW LEVEL CONVERGENCE ALONG WITH LOW LEVEL RELATIVE VORTICITY HAS INCREASED FURTHER IN PAST 24 HRS.THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM.

**(KAMALJIT RAY)**

**Scientist-E**

**RSMC, NEW DELHI**

TOO:1600 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
STORM 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 'HUDHUD' ADVISORY NO. THREE ISSUED AT 1200 UTC OF 8TH OCTOBER 2014  
BASED ON 0900 UTC CHARTS.

THE CYCLONIC STORM 'HUDHUD' OVER SOUTHEAST BAY OF BENGAL MOVED WEST-NORTHWESTWARD AND LAY CENTERED AT 0900 UTC OF 8TH OCTOBER 2014 NEAR LATITUDE 12.7°N AND LONGITUDE 91.5°E ABOUT 1010 KM SOUTHEAST OF GOPALPUR AND 1050 KM EAST-SOUTHEAST OF VISAKHAPATNAM. THE SYSTEM WOULD CONTINUE TO MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A SEVERE CYCLONIC STORM DURING NEXT 24 HOURS AND INTO A VERY SEVERE CYCLONIC STORM DURING SUBSEQUENT 36 HOURS. THE SYSTEM WOULD CROSS NORTH ANDHRA PRADESH AND SOUTH ODISHA COASTS BETWEEN VISAKHAPATNAM AND GOPALPUR AROUND NOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 2.5. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER ANDAMAN ISLANDS AND ADJOINING AREA BETWEEN LATITUDE 10.0°N TO 16.0°N AND LONGITUDE 86.5°E TO 93.0°E.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 40 KNOTS GUSTING TO 50 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 996 HPA.

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

<b>Date/Time(UTC)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
08-10-2014/0900	12.7/91.5	70-80 gusting to 90	Cyclonic Storm
08-10-2014/1200	13.0/91.1	75-85 gusting to 95	Cyclonic Storm
08-10-2014/1800	13.3 /90.7	80-90 gusting to 100	Cyclonic Storm
09-10-2014/0000	13.7/90.2	90-100 gusting to 110	Severe Cyclonic Storm
09-10-2014/0600	14.2/89.6	90-100 gusting to 110	Severe Cyclonic Storm
09-10-2014/1800	15.0/88.5	100-110 gusting to 120	Severe Cyclonic Storm
10-10-2014/0600	15.8/87.4	110-120 gusting to 135	Severe Cyclonic Storm

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

10-10-2014/1800	16.4/86.3	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/0600	17.0/85.2	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/1800	17.4/84.2	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0600	17.9/83.2	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/1800	18.5/82.2	100-110 gusting to 120	Severe Cyclonic Storm
13-10-2014/0600	19.0/81.2	70-80 gusting to 90	Cyclonic Storm

**REMARKS:**

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 18<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW IN ASSOCIATION WITH THE ANTICYCLONIC CIRCULATION TO THE NORTHEAST OF THE SYSTEM CENTRE. THE SYSTEM IS TRACKING WEST NORTHWEST ALONG THE SUB-TROPICAL RIDGE. THE SEA SURFACE TEMPERATURE IS ABOUT 30-32<sup>0</sup>C AND OCEAN THERMAL ENERGY IS ABOUT 60-80 KJ/CM<sup>2</sup>. THE LOW LEVEL CONVERGENCE ALONG WITH LOW LEVEL RELATIVE VORTICITY HAS INCREASED FURTHER IN PAST 24 HRS.THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM.

**(M. MOHAPATRA)**

**Scientist-E**

**HEAD, RSMC NEW DELHI**

TOO:1730 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com



भारत मौसम विज्ञान विभाग  
INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
STORM 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 'HUDHUD' ADVISORY NO. FOUR ISSUED AT 1500 UTC OF 8TH OCTOBER 2014 BASED ON 1200 UTC CHARTS.

THE CYCLONIC STORM 'HUDHUD' OVER SOUTHEAST BAY OF BENGAL MOVED WEST-NORTHWESTWARD AND LAY CENTERED AT 1200 UTC OF 8TH OCTOBER 2014 NEAR LATITUDE 12.8°N AND LONGITUDE 91.0°E ABOUT 970 KM SOUTHEAST OF GOPALPUR (43049) AND 1000 KM EAST-SOUTHEAST OF VISAKHAPATNAM (43149). THE SYSTEM WOULD CONTINUE TO MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A SEVERE CYCLONIC STORM DURING NEXT 24 HOURS AND INTO A VERY SEVERE CYCLONIC STORM DURING SUBSEQUENT 36 HOURS. THE SYSTEM WOULD CROSS NORTH ANDHRA PRADESH AND SOUTH ODISHA COASTS BETWEEN VISAKHAPATNAM AND GOPALPUR AROUND NOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 2.5. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER ANDAMAN ISLANDS AND ADJOINING AREA BETWEEN LATITUDE 10.0°N TO 16.0°N AND LONGITUDE 86.5°E TO 93.0°E.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 40 KNOTS GUSTING TO 50 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 996 HPA.

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

<b>Date/Time(UTC)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
08-10-2014/1200	12.8/91.0	75-85 gusting to 95	Cyclonic Storm
08-10-2014/1800	13.1 /90.5	80-90 gusting to 100	Cyclonic Storm
09-10-2014/0000	13.4/90.1	90-100 gusting to 110	Severe Cyclonic Storm
09-10-2014/0600	13.8/89.6	100-110 gusting to 120	Severe Cyclonic Storm
09-10-2014/1200	14.2/89.1	110-120 gusting to 130	Severe Cyclonic Storm
10-10-2014/0000	14.7/88.2	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/1200	15.5/87.1	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/0000	16.2/86.0	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/1200	16.9/84.8	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0000	17.5/83.8	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/1200	18.1/82.7	100-110 gusting to 120	Severe Cyclonic Storm

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

13-10-2014/0000	18.6/81.5	70-80 gusting to 90	Cyclonic Storm
13-10-2014/1200	19.1/80.3	50-60 gusting to 70	Deep Depression

**REMARKS:**

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 18<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW IN ASSOCIATION WITH THE ANTICYCLONIC CIRCULATION TO THE NORTHEAST OF THE SYSTEM CENTRE. THE SYSTEM IS TRACKING WEST NORTHWEST ALONG THE SUB-TROPICAL RIDGE. THE LOW LEVEL CONVERGENCE ALONG WITH LOW LEVEL RELATIVE VORTICITY HAS INCREASED FURTHER IN PAST 12 HRS.THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM.

**(Kamaljit Ray)**  
**Scientist-E**

TOO:2000 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:  
Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
STORM 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 'HUDHUD' ADVISORY NO. FIVE ISSUED AT 1800 UTC OF 8TH OCTOBER 2014 BASED ON 1500 UTC CHARTS.

THE CYCLONIC STORM 'HUDHUD' OVER SOUTHEAST BAY OF BENGAL MOVED WEST-NORTHWESTWARD AND LAY CENTERED AT 1500 UTC OF 8TH OCTOBER 2014 NEAR LATITUDE 13.0°N AND LONGITUDE 90.5°E ABOUT 920 KM SOUTHEAST OF GOPALPUR (43049) AND 930 KM EAST-SOUTHEAST OF VISAKHAPATNAM (43149). THE SYSTEM WOULD CONTINUE TO MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A SEVERE CYCLONIC STORM DURING NEXT 12 HOURS AND INTO A VERY SEVERE CYCLONIC STORM DURING SUBSEQUENT 24 HOURS. THE SYSTEM WOULD CROSS NORTH ANDHRA PRADESH AND SOUTH ODISHA COASTS BETWEEN VISAKHAPATNAM AND GOPALPUR AROUND NOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 3.0. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER ANDAMAN ISLANDS AND ADJOINING AREA BETWEEN LATITUDE 10.0°N TO 17.5°N AND LONGITUDE 86.0°E TO 92.0°E.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 45 KNOTS GUSTING TO 55 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 994 HPA.

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

<b>Date/Time(UTC)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
08-10-2014/1500	13.0/90.5	80-90 gusting to 100	Cyclonic Storm
08-10-2014/2100	13.2 /90.3	80-90 gusting to 100	Cyclonic Storm
09-10-2014/0300	13.5/90.0	90-100 gusting to 110	Severe Cyclonic Storm
09-10-2014/0900	13.8/89.6	100-110 gusting to 120	Severe Cyclonic Storm
09-10-2014/1500	14.2/89.1	110-120 gusting to 130	Severe Cyclonic Storm
10-10-2014/0300	14.7/88.2	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/1500	15.5/87.1	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/0300	16.2/86.0	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/1500	16.9/84.8	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0300	17.5/83.8	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/1500	18.1/82.7	100-110 gusting to 120	Severe Cyclonic Storm

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

13-10-2014/0300	18.6/81.5	70-80 gusting to 90	Cyclonic Storm
13-10-2014/1500	19.1/80.3	50-60 gusting to 70	Deep Depression

**REMARKS:**

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 18<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW IN ASSOCIATION WITH THE ANTICYCLONIC CIRCULATION TO THE NORTHEAST OF THE SYSTEM CENTRE. THE SYSTEM IS TRACKING WEST NORTHWEST ALONG THE SUB-TROPICAL RIDGE. THE LOW LEVEL CONVERGENCE ALONG WITH LOW LEVEL RELATIVE VORTICITY HAS INCREASED FURTHER IN PAST 12 HRS.THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM.

**(Ranjeet Singh)**  
**Scientist-E**

TOO:2330 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:  
Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
STORM 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 'HUDHUD' ADVISORY NO. SIX ISSUED AT 2100 UTC OF 8TH OCTOBER 2014 BASED ON 1800 UTC CHARTS.

THE CYCLONIC STORM 'HUDHUD' OVER SOUTHEAST BAY OF BENGAL MOVED WEST-NORTHWESTWARD AND LAY CENTERED AT 1800 UTC OF 8TH OCTOBER 2014 NEAR LATITUDE 13.2°N AND LONGITUDE 90.2°E ABOUT 890 KM SOUTHEAST OF GOPALPUR (43049) AND 900 KM EAST-SOUTHEAST OF VISAKHAPATNAM (43149). THE SYSTEM WOULD CONTINUE TO MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A SEVERE CYCLONIC STORM DURING NEXT 12 HOURS AND INTO A VERY SEVERE CYCLONIC STORM DURING SUBSEQUENT 24 HOURS. THE SYSTEM WOULD CROSS NORTH ANDHRA PRADESH AND SOUTH ODISHA COASTS BETWEEN VISAKHAPATNAM AND GOPALPUR AROUND NOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 3.0. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER ANDAMAN ISLANDS AND ADJOINING AREA BETWEEN LATITUDE 10.0°N TO 17.5°N AND LONGITUDE 84.5°E TO 92.5°E.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 45 KNOTS GUSTING TO 55 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 994 HPA.

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

<b>Date/Time(IST)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
08-10-2014/1800	13.2/90.2	80-90 gusting to 100	Cyclonic Storm
09-10-2014/0000	13.4 /90.0	80-90 gusting to 100	Cyclonic Storm
09-10-2014/0600	13.6/89.8	90-100 gusting to 110	Severe Cyclonic Storm
09-10-2014/1200	13.8/89.6	100-110 gusting to 120	Severe Cyclonic Storm
09-10-2014/1800	14.1/89.4	110-120 gusting to 130	Severe Cyclonic Storm
10-10-2014/0600	14.7/88.6	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/1800	15.5/87.3	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/0600	16.2/86.0	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/1800	16.9/84.8	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0600	17.7/83.5	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/1800	18.1/82.7	100-110 gusting to 120	Severe Cyclonic Storm
13-10-2014/0600	18.6/81.5	70-80 gusting to 90	Cyclonic Storm

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

13-10-2014/1800	19.5/80.0	50-60 gusting to 70	Deep Depression
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**REMARKS:**

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 18<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW IN ASSOCIATION WITH THE ANTICYCLONIC CIRCULATION TO THE NORTHEAST OF THE SYSTEM CENTRE. THE SYSTEM IS TRACKING WEST NORTHWEST ALONG THE SUB-TROPICAL RIDGE. THE LOW LEVEL CONVERGENCE ALONG WITH LOW LEVEL RELATIVE VORTICITY HAS INCREASED FURTHER IN PAST 12 HRS.THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM.

**(Ranjeet Singh)**  
**Scientist-E**

TOO:0200 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:  
Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
STORM 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 'HUDHUD' ADVISORY NO. SIX ISSUED AT 2100 UTC OF 8TH OCTOBER 2014 BASED ON 1800 UTC CHARTS.

THE CYCLONIC STORM 'HUDHUD' OVER SOUTHEAST BAY OF BENGAL MOVED WEST-NORTHWESTWARD AND LAY CENTERED AT 1800 UTC OF 8TH OCTOBER 2014 NEAR LATITUDE 13.2°N AND LONGITUDE 90.2°E ABOUT 890 KM SOUTHEAST OF GOPALPUR (43049) AND 900 KM EAST-SOUTHEAST OF VISAKHAPATNAM (43149). THE SYSTEM WOULD CONTINUE TO MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A SEVERE CYCLONIC STORM DURING NEXT 12 HOURS AND INTO A VERY SEVERE CYCLONIC STORM DURING SUBSEQUENT 24 HOURS. THE SYSTEM WOULD CROSS NORTH ANDHRA PRADESH AND SOUTH ODISHA COASTS BETWEEN VISAKHAPATNAM AND GOPALPUR AROUND NOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 3.0. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER ANDAMAN ISLANDS AND ADJOINING AREA BETWEEN LATITUDE 10.0°N TO 17.5°N AND LONGITUDE 84.5°E TO 92.5°E.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 45 KNOTS GUSTING TO 55 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 994 HPA.

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

<b>Date/Time(IST)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
08-10-2014/1800	13.2/90.2	80-90 gusting to 100	Cyclonic Storm
09-10-2014/0000	13.4 /90.0	80-90 gusting to 100	Cyclonic Storm
09-10-2014/0600	13.6/89.8	90-100 gusting to 110	Severe Cyclonic Storm
09-10-2014/1200	13.8/89.6	100-110 gusting to 120	Severe Cyclonic Storm
09-10-2014/1800	14.1/89.4	110-120 gusting to 130	Severe Cyclonic Storm
10-10-2014/0600	14.7/88.6	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/1800	15.5/87.3	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/0600	16.2/86.0	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/1800	16.9/84.8	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0600	17.7/83.5	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/1800	18.1/82.7	100-110 gusting to 120	Severe Cyclonic Storm
13-10-2014/0600	18.6/81.5	70-80 gusting to 90	Cyclonic Storm

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

13-10-2014/1800	19.5/80.0	50-60 gusting to 70	Deep Depression
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**REMARKS:**

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 18<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW IN ASSOCIATION WITH THE ANTICYCLONIC CIRCULATION TO THE NORTHEAST OF THE SYSTEM CENTRE. THE SYSTEM IS TRACKING WEST NORTHWEST ALONG THE SUB-TROPICAL RIDGE. THE LOW LEVEL CONVERGENCE ALONG WITH LOW LEVEL RELATIVE VORTICITY HAS INCREASED FURTHER IN PAST 12 HRS.THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM.

**(Ranjeet Singh)**  
**Scientist-E**

TOO:0200 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:  
Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
STORM 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 'HUDHUD' ADVISORY NO. SEVEN ISSUED AT 0000 UTC OF 9TH OCTOBER 2014 BASED ON 2100 UTC CHARTS.

THE CYCLONIC STORM 'HUDHUD' OVER SOUTHEAST BAY OF BENGAL MOVED WEST-NORTHWESTWARD AND LAY CENTERED AT 2100 UTC OF 9TH OCTOBER 2014 NEAR LATITUDE 13.5°N AND LONGITUDE 89.6°E ABOUT 820 KM SOUTHEAST OF GOPALPUR(43049) AND 810 KM EAST-SOUTHEAST OF VISAKHAPATNAM(43149). THE SYSTEM WOULD CONTINUE TO MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A SEVERE CYCLONIC STORM DURING NEXT 12 HOURS AND INTO A VERY SEVERE CYCLONIC STORM DURING SUBSEQUENT 24 HOURS. THE SYSTEM WOULD CROSS NORTH ANDHRA PRADESH AND SOUTH ODISHA COASTS BETWEEN VISAKHAPATNAM AND GOPALPUR AROUND NOON OF 12<sup>TH</sup> OCTOBER 2014.

.ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 3.0. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER ANDAMAN ISLANDS AND ADJOINING AREA BETWEEN LATITUDE 10.0°N TO 18.0°N AND LONGITUDE 83.0°E TO 92.0°E.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 45 KNOTS GUSTING TO 55 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 994 HPA.

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

<b>Date/Time(IST)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
08-10-2014/2100	13.5/89.6	80-90 gusting to 100	Cyclonic Storm
09-10-2014/0300	13.8/89.2	90-100 gusting to 110	Severe Cyclonic Storm
09-10-2014/0900	14.0/88.7	100-110 gusting to 120	Severe Cyclonic Storm
09-10-2014/1500	14.3/88.0	110-120 gusting to 130	Severe Cyclonic Storm
09-10-2014/2100	14.8/87.3	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/0900	15.5/86.7	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/2100	16.2/85.8	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/0900	16.9/84.8	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/2100	17.5/83.8	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0900	18.1/82.7	100-110 gusting to 120	Severe Cyclonic Storm
12-10-2014/2100	18.6/81.5	70-80 gusting to 90	Cyclonic Storm

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

13-10-2014/0900	19.5/80.0	50-60 gusting to 70	Deep Depression
13-10-2014/2100	20.5/79.5	40-50 gusting to 60	Depression

**REMARKS:**

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 18<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW IN ASSOCIATION WITH THE ANTICYCLONIC CIRCULATION TO THE NORTHEAST OF THE SYSTEM CENTRE. THE SYSTEM IS TRACKING WEST NORTHWEST ALONG THE SUB-TROPICAL RIDGE. THE LOW LEVEL CONVERGENCE ALONG WITH LOW LEVEL RELATIVE VORTICITY HAS INCREASED FURTHER IN PAST 12 HRS.THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM.

**(Ranjeet Singh)**  
**Scientist-E**

TOO:0540 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
STORM 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 'HUDHUD' ADVISORY NO. EIGHT ISSUED AT 0300 UTC OF 9TH OCTOBER 2014  
BASED ON 0000 UTC CHARTS.

THE CYCLONIC STORM 'HUDHUD' OVER EASTCENTRAL BAY OF BENGAL MOVED WEST-NORTHWESTWARD AND LAY CENTERED AT 0000 UTC OF 9TH OCTOBER 2014 NEAR LATITUDE 13.7°N AND LONGITUDE 89.2°E ABOUT 780 KM SOUTH-SOUTHEAST OF GOPALPUR AND 770 KM SOUTHEAST OF VISAKHAPATNAM. THE SYSTEM WOULD CONTINUE TO MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A SEVERE CYCLONIC STORM DURING NEXT 12 HOURS AND INTO A VERY SEVERE CYCLONIC STORM DURING SUBSEQUENT 24 HOURS. THE SYSTEM WOULD CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM BY THE FORENOON OF 12TH OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 3.0. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 10.0°N TO 18.0°N AND LONGITUDE 83.0°E TO 92.0°E.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 45 KNOTS GUSTING TO 55 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 994 HPA.

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

<b>Date/Time(UTC)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
09-10-2014/0000	13.7/89.2	80-90 gusting to 100	Cyclonic Storm
09-10-2014/0600	14.0/88.7	90-100 gusting to 110	Severe Cyclonic Storm
09-10-2014/1200	14.4/88.2	100-110 gusting to 120	Severe Cyclonic Storm
09-10-2014/1800	14.8/87.8	110-120 gusting to 130	Severe Cyclonic Storm
10-10-2014/0000	15.2/87.4	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/1200	15.7/86.9	130-140 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/0000	16.5/85.8	130-140 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/1200	17.2/84.7	130-140 gusting to 145	Very Severe Cyclonic Storm
12-10-2014/0000	17.5/83.5	130-140 gusting to 145	Very Severe Cyclonic Storm

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

12-10-2014/1200	18.1/82.3	100-110 gusting to 120	Severe Cyclonic Storm
13-10-2014/0000	18.6/81.0	70-80 gusting to 90	Cyclonic Storm
13-10-2014/1200	19.5/79.8	50-60 gusting to 70	Deep Depression

**REMARKS:**

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 19<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW IN ASSOCIATION WITH THE ANTICYCLONIC CIRCULATION TO THE NORTHEAST OF THE SYSTEM CENTRE. THE SYSTEM IS TRACKING WEST NORTHWEST IN ASSOCIATION WITH ANTI CYCLONIC CIRCULATION LOCATED OVER NORTH BAY OF BENGAL. THE LOW LEVEL CONVERGENCE ALONG WITH LOW LEVEL RELATIVE VORTICITY REMAINED SAME DURING PAST 12 HRS. THE VERTICAL WIND SHEAR HAS SLIGHTLY INCREASED AND IS ABOUT 15-20 KTS AROUND SYSTEM CENTRE. HOWEVER, THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM. THE NWP MODELS ARE GRADUALLY CONVERGING AND PREDICTING THE WEST NORTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS NORTH ANDHRA PRADESH COAST.

**(M Mohapatra)  
Scientist-E**

TOO:0900 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
STORM 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 'HUDHUD' ADVISORY NO. NINE ISSUED AT 0600 UTC OF 9TH OCTOBER 2014  
BASED ON 0300 UTC CHARTS.

THE CYCLONIC STORM 'HUDHUD' OVER EASTCENTRAL BAY OF BENGAL MOVED WEST-NORTHWESTWARD AND INTENSIFIED INTO A SEVERE CYCLONIC STORM AND LAY CENTERED AT 0300 UTC OF 9TH OCTOBER 2014 NEAR LATITUDE 13.8°N AND LONGITUDE 89.0°E ABOUT 750 KM SOUTHEAST OF GOPALPUR (43049) AND EAST-SOUTHEAST OF VISAKHAPATNAM (43149). THE SYSTEM WOULD CONTINUE TO MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A VERY SEVERE CYCLONIC STORM DURING NEXT 24 HOURS. THE SYSTEM WOULD CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM BY THE FORENOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 3.5. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 10.0°N TO 18.0°N AND LONGITUDE 83.0°E TO 92.0°E.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 55 KNOTS GUSTING TO 65 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS VERY HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 990 HPA.

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

<b>Date/Time(UTC)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
09-10-2014/0300	13.8/89.0	90-100 gusting to 110	Severe Cyclonic Storm
09-10-2014/0600	14.1/88.6	90-100 gusting to 110	Severe Cyclonic Storm
09-10-2014/1200	14.4/88.2	100-110 gusting to 120	Severe Cyclonic Storm
09-10-2014/1800	14.8/87.8	110-120 gusting to 130	Severe Cyclonic Storm
10-10-2014/0000	15.2/87.4	120-130 gusting to 155	Very Severe Cyclonic Storm
10-10-2014/1200	15.7/86.9	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/0000	16.5/85.8	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/1200	17.2/84.7	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0000	17.5/83.5	130-140 gusting to 155	Very Severe Cyclonic Storm

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

12-10-2014/1200	18.1/82.3	100-110 gusting to 120	Severe Cyclonic Storm
13-10-2014/0000	18.6/81.0	70-80 gusting to 90	Cyclonic Storm
13-10-2014/1200	19.5/79.8	50-60 gusting to 70	Deep Depression

**REMARKS:**

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 19<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW. THE SYSTEM IS TRACKING WEST-NORTHWESTWARDS IN ASSOCIATION WITH ANTI-CYCLONIC CIRCULATION LOCATED OVER NORTH BAY OF BENGAL. THE LOW LEVEL CONVERGENCE ALONG WITH LOW LEVEL RELATIVE VORTICITY REMAINED SAME DURING PAST 12 HRS. THE VERTICAL WIND SHEAR HAS SLIGHTLY INCREASED AND IS ABOUT 15-20 KTS AROUND SYSTEM CENTRE. HOWEVER, THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM. THE NWP MODELS ARE GRADUALLY CONVERGING AND PREDICTING THE WEST NORTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS NORTH ANDHRA PRADESH COAST.

**(Kamaljit Ray)**  
**Scientist-E**

TOO:1030 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)



भारत मौसम विज्ञान विभाग  
INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. TEN ISSUED AT 0900 UTC OF 9TH OCTOBER 2014  
BASED ON 0600 UTC CHARTS.

THE SEVERE CYCLONIC STORM 'HUDHUD' OVER EASTCENTRAL BAY OF BENGAL MOVED WEST-NORTHWESTWARD AND LAY CENTERED AT 0600 UTC OF 9TH OCTOBER 2014 NEAR LATITUDE 13.9°N AND LONGITUDE 88.8°E ABOUT 720 KM SOUTHEAST OF GOPALPUR (43049) AND EAST-SOUTHEAST OF VISAKHAPATNAM (43149). THE SYSTEM WOULD CONTINUE TO MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A VERY SEVERE CYCLONIC STORM DURING NEXT 24 HOURS. THE SYSTEM WOULD CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM BY THE FORENOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 3.5. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 11.0°NORTH TO 18.0° NORTH AND LONGITUDE 83.0° EAST TO 91.0° EAST.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 55 KNOTS GUSTING TO 65 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS VERY HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 990 HPA.

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

<b>Date/Time(UTC)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
09-10-2014/0600	13.9/88.8	90-100 gusting to 110	Severe Cyclonic Storm
09-10-2014/1200	14.2/88.4	100-110 gusting to 120	Severe Cyclonic Storm
09-10-2014/1800	14.5/88.0	110-120 gusting to 130	Severe Cyclonic Storm
10-10-2014/0000	14.8/87.6	120-130 gusting to 155	Very Severe Cyclonic Storm
10-10-2014/0600	15.3/87.1	120-130 gusting to 155	Very Severe Cyclonic Storm
10-10-2014/1800	15.8/86.5	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/0600	16.5/85.9	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/1800	17.4/84.5	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0600	18.2/83.4	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/1800	18.8/82.5	80-90 gusting to 100	Cyclonic Storm

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

13-10-2014/0600	19.6/81.6	50-60 gusting to 70	Deep Depression
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**REMARKS:**

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 19<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW. THE SYSTEM IS TRACKING WEST-NORTHWESTWARDS IN ASSOCIATION WITH ANTI-CYCLONIC CIRCULATION LOCATED OVER NORTH BAY OF BENGAL. HOWEVER, THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM. THE NWP MODELS ARE GRADUALLY CONVERGING AND PREDICTING THE WEST NORTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS NORTH ANDHRA PRADESH COAST.

**(Kamaljit Ray)**  
**Scientist-E**

TOO:1400 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:  
Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. T ISSUED AT 1200 UTC OF 9TH OCTOBER 2014  
BASED ON 0900 UTC CHARTS.

THE SEVERE CYCLONIC STORM 'HUDHUD' OVER EASTCENTRAL BAY OF BENGAL MOVED WEST-NORTHWESTWARD AND LAY CENTERED AT 0900 UTC OF 9TH OCTOBER 2014 NEAR LATITUDE 14.0°N AND LONGITUDE 88.6°E ABOUT 700 KM SOUTHEAST OF GOPALPUR (43049) AND EAST-SOUTHEAST OF VISAKHAPATNAM (43149). THE SYSTEM WOULD CONTINUE TO MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A VERY SEVERE CYCLONIC STORM DURING NEXT 24 HOURS. THE SYSTEM WOULD CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM BY THE FORENOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 3.5. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 11.0°NORTH TO 18.0° NORTH AND LONGITUDE 82.0° EAST TO 91.0° EAST.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 55 KNOTS GUSTING TO 65 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS VERY HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 990 HPA.

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

<b>Date/Time(UTC)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
09-10-2014/0900	14.0/88.6	90-100 gusting to 110	Severe Cyclonic Storm
09-10-2014/1200	14.2/88.4	100-110 gusting to 120	Severe Cyclonic Storm
09-10-2014/1800	14.5/88.0	110-120 gusting to 130	Severe Cyclonic Storm
10-10-2014/0000	14.8/87.6	120-130 gusting to 155	Very Severe Cyclonic Storm
10-10-2014/0600	15.3/87.1	120-130 gusting to 155	Very Severe Cyclonic Storm
10-10-2014/1800	15.8/86.5	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/0600	16.5/85.9	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/1800	17.4/84.5	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0600	18.2/83.4	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/1800	18.8/82.5	80-90 gusting to 100	Cyclonic Storm

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

13-10-2014/0600	19.6/81.6	50-60 gusting to 70	Deep Depression
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**REMARKS:**

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 19<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW. THE SYSTEM IS TRACKING WEST-NORTHWESTWARDS IN ASSOCIATION WITH ANTI-CYCLONIC CIRCULATION LOCATED OVER NORTH BAY OF BENGAL. THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM. THE NWP MODELS ARE GRADUALLY CONVERGING AND PREDICTING THE WEST NORTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS NORTH ANDHRA PRADESH COAST.

**(Kamaljit Ray)**  
**Scientist-E**

TOO:1630 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:  
Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. TWELVE ISSUED AT 1500 UTC OF 9TH OCTOBER 2014 BASED ON 1200 UTC CHARTS.

THE SEVERE CYCLONIC STORM 'HUDHUD' OVER EASTCENTRAL BAY OF BENGAL MOVED WEST-NORTHWESTWARD AND LAY CENTERED AT 1200 UTC OF 9TH OCTOBER 2014 OVER WESTCENTRAL AND ADJOINING EASTCENTRAL BAY NEAR LATITUDE 14.1°N AND LONGITUDE 88.4°E ABOUT 675 KM EAST-SOUTHEAST OF VISAKHAPATNAM (43149) AND 685 KM SOUTHEAST OF GOPALPUR (43049). THE SYSTEM WOULD CONTINUE TO MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A VERY SEVERE CYCLONIC STORM DURING NEXT 12 HOURS. THE SYSTEM WOULD CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM (43149) BY THE FORENOON OF 12TH OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 3.5. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 10.0°NORTH TO 15.0° NORTH AND LONGITUDE 85.0° EAST TO 90.0° EAST.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 55 KNOTS GUSTING TO 65 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS VERY HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 988 HPA.

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

<b>Date/Time(UTC)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
09-10-2014/1200	14.1/88.4	100-110 gusting to 120	Severe Cyclonic Storm
09-10-2014/1800	14.3/88.0	110-120 gusting to 130	Severe Cyclonic Storm
10-10-2014/0000	14.5/87.6	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/0600	14.8/87.1	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/1200	15.0/86.7	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/0000	15.6/85.7	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/1200	16.5/84.5	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0000	17.3/83.5	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/1200	18.0/82.5	80-90 gusting to 100	Cyclonic Storm

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

13-10-2014/0000	18.8/81.4	50-60 gusting to 70	Deep Depression
13-10-2014/1200	19.6/80.6	30-40 gusting to 50	Depression

**REMARKS:**

THE SYSTEM IS MAINTAINING THE INTENSITY AS THE DEEP CONVECTIVE CURVED BANDING AROUND THE LOW LEVEL CIRCULATION CENTRE HAS INTENSIFIED. THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 19<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW. THE SYSTEM IS TRACKING WEST-NORTHWESTWARDS UNDER THE INFLUENCE OF SUB-TROPICAL RIDGE. THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM. THE NWP MODELS ARE GRADUALLY CONVERGING AND PREDICTING THE WEST NORTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS NORTH ANDHRA PRADESH COAST.

**(Kamaljit Ray)**  
**Scientist-E**

TOO:2000 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

**Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com**



भारत मौसम विज्ञान विभाग  
INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. THIRTEEN ISSUED AT 1800 UTC OF 9TH OCTOBER 2014 BASED ON 1500 UTC CHARTS.

THE SEVERE CYCLONIC STORM 'HUDHUD' OVER EASTCENTRAL BAY OF BENGAL MOVED WEST-NORTHWESTWARDS DURING PAST SIX HOURS AND LAY CENTERED AT 1500 HRS UTC OF 9<sup>TH</sup> OCTOBER 2014 OVER WESTCENTRAL & ADJOINING EASTCENTRAL BAY NEAR LATITUDE 14.1°N AND LONGITUDE 88.1°E ABOUT 650 KM EAST-SOUTHEAST OF VISAKHAPATNAM AND 670 KM SOUTHEAST OF GOPALPUR. THE SYSTEM WOULD CONTINUE TO MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A VERY SEVERE CYCLONIC STORM DURING NEXT 12 HOURS. THE SYSTEM WOULD CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM BY THE FORENOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 3.5. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 10.0°NORTH TO 15.0° NORTH AND LONGITUDE 85.0° EAST TO 90.0° EAST.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 55 KNOTS GUSTING TO 65 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS VERY HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 988 HPA.

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

<b>Date/Time(UTC)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
09-10-2014/1500	14.1/88.1	100-110 gusting to 120	Severe Cyclonic Storm
09-10-2014/1800	14.3/87.8	110-120 gusting to 130	Severe Cyclonic Storm
10-10-2014/0000	14.5/87.5	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/0600	14.8/87.1	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/1200	15.0/86.7	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/0000	15.6/85.7	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/1200	16.5/84.5	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0000	17.3/83.5	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/1200	18.0/82.5	80-90 gusting to 100	Cyclonic Storm

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

13-10-2014/0000	18.8/81.4	50-60 gusting to 70	Deep Depression
13-10-2014/1200	19.6/80.6	30-40 gusting to 50	Depression

**REMARKS:**

THE SYSTEM IS MAINTAINING THE INTENSITY AS THE DEEP CONVECTIVE CURVED BANDING AROUND THE LOW LEVEL CIRCULATION CENTRE HAS INTENSIFIED. THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 19<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW. THE SYSTEM IS TRACKING WEST-NORTHWESTWARDS UNDER THE INFLUENCE OF SUB-TROPICAL RIDGE. THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM. THE NWP MODELS ARE GRADUALLY CONVERGING AND PREDICTING THE WEST NORTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS NORTH ANDHRA PRADESH COAST.

**(NARESH KUMAR)**  
**Scientist-D**

TOO:2300 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:  
Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. FOURTEEN ISSUED AT 2100 UTC OF 9TH OCTOBER 2014 BASED ON 1800 UTC CHARTS.

THE SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL & ADJOINING EASTCENTRAL BAY MOVED WESTWARDS AND LAY CENTERED AT 1800 UTC OF 9TH OCTOBER 2014 NEAR LATITUDE 14.1°N AND LONGITUDE 87.9°E OVER WESTCENTRAL & ADJOINING EASTCENTRAL BAY ABOUT 630 KM EAST-SOUTHEAST OF VISAKHAPATNAM AND 650 KM SOUTHEAST OF GOPALPUR. THE SYSTEM WOULD MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A VERY SEVERE CYCLONIC STORM DURING NEXT 12 HOURS. THEREAFTER, SYSTEM WOULD CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM BY THE FORENOON OF 12TH OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 3.5. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 11.0°NORTH TO 17.0° NORTH AND LONGITUDE 83.0° EAST TO 91.0° EAST.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 55 KNOTS GUSTING TO 65 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS VERY HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 988 HPA.

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. °N/ LONG. °E)	MAXIMUM SUSTAINED SURFACE WIND SPEED (KMPH)	CATEGORY OF CYCLONIC DISTURBANCE
09-10-2014/1800	14.1/87.9	100-110 gusting to 120	Severe Cyclonic Storm
10-10-2014/0000	14.2/87.5	110-120 gusting to 130	Severe Cyclonic Storm
10-10-2014/0600	14.4/87.1	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/1200	14.7/86.7	130-140 gusting to 155	Very Severe Cyclonic Storm
10-10-2014/1800	15.0/86.2	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/0600	15.9/85.1	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/1800	16.8/84.0	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0600	17.6/83.0	130-140 gusting to 155	Very Severe Cyclonic Storm

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)

12-10-2014/1800	18.4/82.0	60-70 gusting to 80	Deep Depression
13-10-2014/0600	19.2/81.0	40-50 gusting to 60	Depression

**REMARKS:**

THE SYSTEM IS MAINTAINING THE INTENSITY AS THE DEEP CONVECTIVE CURVED BANDING AROUND THE LOW LEVEL CIRCULATION CENTRE HAS INTENSIFIED. THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 19<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW. THE SYSTEM IS TRACKING WEST-NORTHWESTWARDS UNDER THE INFLUENCE OF SUB-TROPICAL RIDGE. THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM. THE NWP MODELS ARE GRADUALLY CONVERGING AND PREDICTING THE WEST NORTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS NORTH ANDHRA PRADESH COAST.

**(NARESH KUMAR)**  
**Scientist-D**

TOO:0230 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:  
Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. FIFTEEN ISSUED AT 0000 UTC OF 10TH OCTOBER 2014 BASED ON 2100 UTC CHARTS OF 09TH OCTOBER 2014.

THE SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL & ADJOINING EASTCENTRAL BAY MOVED NORTHWESTWARDS AND LAY CENTERED AT 2100 UTC OF 9TH OCTOBER 2014 NEAR LATITUDE 14.3°N AND LONGITUDE 87.7°E OVER WESTCENTRAL & ADJOINING EASTCENTRAL BAY ABOUT 610 KM SOUTHEAST OF VISAKHAPATNAM AND 630 KM SOUTH-SOUTHEAST OF GOPALPUR. THE SYSTEM WOULD CONTINUE TO MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A VERY SEVERE CYCLONIC STORM DURING NEXT 12 HOURS. THEREAFTER, SYSTEM WOULD CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM BY THE FORENOON OF 12TH OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 3.5. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 11.0°NORTH TO 17.0° NORTH AND LONGITUDE 83.0° EAST TO 91.0° EAST.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 55 KNOTS GUSTING TO 65 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS VERY HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 988 HPA.

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

<b>Date/Time(UTC)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
09-10-2014/2100	14.3/87.7	100-110 gusting to 120	Severe Cyclonic Storm
10-10-2014/0000	14.5/87.4	110-120 gusting to 130	Severe Cyclonic Storm
10-10-2014/0600	14.8/86.0	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/1200	15.1/86.6	130-140 gusting to 155	Very Severe Cyclonic Storm
10-10-2014/1800	15.5/86.2	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/0600	15.9/85.1	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/1800	16.8/84.0	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0600	17.6/83.0	130-140 gusting to 155	Very Severe Cyclonic Storm

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

12-10-2014/1800	18.4/82.0	60-70 gusting to 80	Deep Depression
13-10-2014/0600	19.2/81.0	40-50 gusting to 60	Depression

**REMARKS:**

THE SYSTEM IS MAINTAINING THE INTENSITY AS THE DEEP CONVECTIVE CURVED BANDING AROUND THE LOW LEVEL CIRCULATION CENTRE HAS INTENSIFIED. THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 20<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW. THE SYSTEM IS TRACKING WEST-NORTHWESTWARDS UNDER THE INFLUENCE OF SUB-TROPICAL RIDGE. THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM. THE NWP MODELS ARE GRADUALLY CONVERGING AND PREDICTING THE WEST NORTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS NORTH ANDHRA PRADESH COAST.

**(NARESH KUMAR)**  
**Scientist-D**

TOO:0530 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:  
Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. SIXTEEN ISSUED AT 0300 UTC OF 10TH OCTOBER 2014 BASED ON 0000 UTC CHARTS OF 10TH OCTOBER 2014.

THE SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL & ADJOINING EASTCENTRAL BAY MOVED NORTHWESTWARDS AND LAY CENTERED AT 2100 UTC OF 9TH OCTOBER 2014 NEAR LATITUDE 14.4°N AND LONGITUDE 87.6°E OVER WESTCENTRAL & ADJOINING EASTCENTRAL BAY ABOUT 590 KM SOUTHEAST OF VISAKHAPATNAM AND 610 KM SOUTH-SOUTHEAST OF GOPALPUR. THE SYSTEM WOULD CONTINUE TO MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A VERY SEVERE CYCLONIC STORM DURING NEXT 12 HOURS. THEREAFTER, SYSTEM WOULD CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM BY THE FORENOON OF 12TH OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 3.5. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA NORTH OF LATITUDE 11.0° NORTH AND LONGITUDE 82.0° EAST TO 91.0° EAST.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 55 KNOTS GUSTING TO 65 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS VERY HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 984 HPA.

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

<b>Date/Time(IST)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
10-10-2014/0000	14.4/87.6	100-110 gusting to 120	Severe Cyclonic Storm
10-10-2014/0600	14.7/87.0	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/1200	15.0/86.6	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/1800	15.3/86.2	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/0000	15.7/85.6	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/1200	16.5/84.5	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0000	17.3/83.5	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/1200	18.0/82.5	80-90 gusting to 100	Cyclonic Storm
13-10-2014/0000	18.8/81.4	50-60 gusting to 70	Deep Depression

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

13-10-2014/1200	19.6/80.6	30-40 gusting to 50	Depression
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**REMARKS:**

THE SYSTEM IS MAINTAINING THE INTENSITY AS THE DEEP CONVECTIVE CURVED BANDING AROUND THE LOW LEVEL CIRCULATION CENTRE HAS INTENSIFIED. THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 20<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW. THE SYSTEM IS TRACKING WEST-NORTHWESTWARDS UNDER THE INFLUENCE OF SUB-TROPICAL RIDGE. THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM. VERTICAL WIND SHEAR IS MODERATE (20 KNOTS) AROUND THE SYSTEM CENTRE. THE NWP MODELS ARE GRADUALLY CONVERGING AND PREDICTING THE WEST NORTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS NORTH ANDHRA PRADESH COAST.

**(NARESH KUMAR)**  
**Scientist-D**

TOO:0800 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:  
Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. SEVENTEEN ISSUED AT 0600 UTC OF 10TH OCTOBER 2014 BASED ON 0300 UTC CHARTS OF 10TH OCTOBER 2014.

THE SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL & ADJOINING EASTCENTRAL BAY MOVED WEST-NORTHWESTWARDS AND LAY CENTERED AT 0300 UTC OF 10<sup>TH</sup> OCTOBER 2014 NEAR LATITUDE 14.7°N AND LONGITUDE 87.2°E OVER WESTCENTRAL BAY ABOUT 530 KM EAST-SOUTHEAST OF VISAKHAPATNAM (43149) AND 570 KM SOUTH-SOUTHEAST OF GOPALPUR (43049). THE SYSTEM WOULD MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A VERY SEVERE CYCLONIC STORM DURING NEXT 12 HOURS. THEREAFTER, IT WOULD CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM BY THE FORENOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 3.5. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 12.0° TO 17.0° NORTH AND LONGITUDE 85.0° EAST TO 90.0° EAST AND MODERATE TO INTENSE CONVECTION OVER REST BAY NORTH OF LATITUDE 10.0°NORTH.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 55 KNOTS GUSTING TO 65 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS VERY HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 988 HPA.

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

<b>Date/Time(UTC)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
10-10-2014/0300	14.7/87.2	100-110 gusting to 120	Severe Cyclonic Storm
10-10-2014/0600	15.0/86.8	110-120 gusting to 130	Severe Cyclonic Storm
10-10-2014/1200	15.3/86.4	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/1800	15.5/86.1	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/0000	15.8/85.6	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/1200	16.5/84.5	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0000	17.3/83.5	130-140 gusting to 155	Very Severe Cyclonic Storm

---

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)

12-10-2014/1200	18.0/82.5	80-90 gusting to 100	Cyclonic Storm
13-10-2014/0000	18.8/81.4	50-60 gusting to 70	Deep Depression
13-10-2014/1200	19.6/80.6	30-40 gusting to 50	Depression

**REMARKS:**

SATELLITE IMAGERIES DO NOT SHOW ANY SIGNIFICANT CHANGE IN PATTERN DURING PAST 12 HOURS. THE CENTRAL DENSE OVERCAST (CDO) REMAINS IRREGULAR AND THE FEEDER SPIRAL BAND FROM THE NORTHWEST IS GETTING DETACHED FROM THE CDO. IT HAS MAINTAINED ITS INTENSITY OF SEVERE CYCLONIC STORM DURING PAST 24 HOURS AND DIDN'T INTENSIFY FURTHER DUE TO INCREASE IN VERTICAL WIND SHEAR. VERTICAL WIND SHEAR IS MODERATE TO HIGH (15-25 KNOTS) AROUND THE SYSTEM CENTRE. HOWEVER, THE UPPER LEVEL DIVERGENCE HAS INCREASED DURING PAST 12 HOURS. THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM. THE LOWER LEVEL CONVERGENCE REMAINED THE SAME AND THE LOW LEVEL VORTICITY HAS INCREASED.

THE SEVERE CYCLONIC STORM, HUDHUD MOVED WEST-NORTHWESTWARDS UNDER THE INFLUENCE OF THE ANTICYCLONIC CIRCULATION LOCATED OVER HEAD BAY OF BENGAL AT A SPEED OF 5-6 KNOTS DURING PAST 24 HOURS. THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 20<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW. THE NWP MODELS HAVE FURTHER CONVERGED AND PREDICT WEST-NORTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS NORTH ANDHRA PRADESH COAST AND LANDFALL AROUND VISAKHAPATNAM AROUND FORENOON OF 12<sup>TH</sup> OCTOBER. HENCE THE CURRENT FORECAST IS BASED ON THE CONSENSUS TRACK FORECAST GUIDANCE OF THE MODELS.

**(M.MOHAPATRA)**  
**Scientist-E**

TOO:1130 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:  
**Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com**

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:  
Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)



भारत मौसम विज्ञान विभाग  
INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. EIGHTEEN ISSUED AT 0900 UTC OF 10TH OCTOBER 2014 BASED ON 0600 UTC CHARTS OF 10TH OCTOBER 2014.

THE SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL BAY MOVED WEST-NORTHWESTWARDS AND LAY CENTERED AT 0600 UTC OF 10<sup>TH</sup> OCTOBER 2014 NEAR LATITUDE 14.8°N AND LONGITUDE 87.0°E ABOUT 500 KM EAST-SOUTHEAST OF VISAKHAPATNAM (43149) AND 550 KM SOUTH-SOUTHEAST OF GOPALPUR (43049). THE SYSTEM WOULD MOVE WEST-NORTHWESTWARDS, INTENSIFY FURTHER INTO A VERY SEVERE CYCLONIC STORM DURING NEXT 12 HOURS. THEREAFTER, IT WOULD CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM BY THE FORENOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 3.5. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 12.0° TO 17.0° NORTH AND LONGITUDE 85.0° EAST TO 90.0° EAST AND MODERATE TO INTENSE CONVECTION OVER REST BAY NORTH OF LATITUDE 10.0°NORTH.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 60 KNOTS GUSTING TO 65 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS VERY HIGH AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 986 HPA.

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. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic disturbance
10-10-2014/0600	14.8/87.0	110-120 gusting to 130	Severe Cyclonic Storm
10-10-2014/1200	15.1/86.5	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/1800	15.4/86.1	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/0000	15.7/85.6	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/0600	16.1/85.1	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/1800	16.7/84.3	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0600	17.6/83.0	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/1800	18.3/82.3	80-90 gusting to 100	Cyclonic Storm

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

13-10-2014/0600	19.0/81.5	50-60 gusting to 70	Deep Depression
13-10-2014/1800	19.8/80.5	30-40 gusting to 50	Depression

**REMARKS:**

SATELLITE IMAGERIES DO NOT SHOW ANY SIGNIFICANT CHANGE IN PATTERN DURING PAST 12 HOURS. THE CENTRAL DENSE OVERCAST (CDO) REMAINS IRREGULAR AND THE FEEDER SPIRAL BAND FROM THE NORTHWEST IS GETTING DETACHED FROM THE CDO. IT HAS MAINTAINED ITS INTENSITY OF SEVERE CYCLONIC STORM DURING PAST 24 HOURS AND DIDN'T INTENSIFY FURTHER DUE TO INCREASE IN VERTICAL WIND SHEAR. VERTICAL WIND SHEAR IS MODERATE TO HIGH (15-25 KNOTS) AROUND THE SYSTEM CENTRE. HOWEVER, THE UPPER LEVEL DIVERGENCE HAS INCREASED DURING PAST 12 HOURS. THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE FOR FURTHER INTENSIFICATION OF THE SYSTEM. THE LOWER LEVEL CONVERGENCE REMAINED THE SAME AND THE LOW LEVEL VORTICITY HAS INCREASED.

THE SEVERE CYCLONIC STORM, HUDHUD MOVED WEST-NORTHWESTWARDS UNDER THE INFLUENCE OF THE ANTICYCLONIC CIRCULATION LOCATED OVER HEAD BAY OF BENGAL AT A SPEED OF 5-6 KNOTS DURING PAST 24 HOURS. THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 20<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW. THE NWP MODELS HAVE FURTHER CONVERGED AND PREDICT WEST-NORTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS NORTH ANDHRA PRADESH COAST AND LANDFALL AROUND VISAKHAPATNAM AROUND FORENOON OF 12<sup>TH</sup> OCTOBER. HENCE THE CURRENT FORECAST IS BASED ON THE CONSENSUS TRACK FORECAST GUIDANCE OF THE MODELS.

**(KAMALJIT RAY)**  
Scientist-E

TOO:1430 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:  
Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)



भारत मौसम विज्ञान विभाग  
INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. NINETEEN ISSUED AT 1200 UTC OF 10TH OCTOBER 2014 BASED ON 0900 UTC CHARTS OF 10TH OCTOBER 2014.

THE SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL BAY OF BENGAL MOVED NORTHWESTWARDS AND INTENSIFIED INTO A VERY SEVERE CYCLONIC STORM. IT LAY CENTERED AT 0900 UTC OF 10<sup>TH</sup> OCTOBER 2014 NEAR LATITUDE 15.0°N AND LONGITUDE 86.8°E ABOUT 470 KM EAST-SOUTHEAST OF VISAKHAPATNAM (43149) AND 520 KM SOUTH-SOUTHEAST OF GOPALPUR (43049). THE SYSTEM WOULD MOVE WEST-NORTHWESTWARDS AND CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM BY THE FORENOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T 4.0. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 12.0° TO 17.0° NORTH AND LONGITUDE 85.0° EAST TO 90.0° EAST AND MODERATE TO INTENSE CONVECTION OVER REST BAY NORTH OF LATITUDE 10.0°NORTH.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 65 KNOTS GUSTING TO 75 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS PHENOMENAL AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 984 HPA.

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. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic disturbance
10-10-2014/0900	15.0/86.8	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/1200	15.2/86.4	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/1800	15.4/86.0	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/0000	15.7/85.6	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/0600	16.1/85.1	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/1800	16.7/84.3	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0600	17.6/83.0	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/1800	18.3/82.3	80-90 gusting to 100	Cyclonic Storm
13-10-2014/0600	19.0/81.5	50-60 gusting to 70	Deep Depression
13-10-2014/1800	19.8/80.5	30-40 gusting to 50	Depression

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

**REMARKS:**

IN THE SATELLITE IMAGERY THE FEEDER SPIRAL BAND FROM NORTHWEST IS DETACHING FROM THE CDO AND THE SYSTEM HAS MAINTAINED THE CDO PATTERN WITH INTENSE CONVECTIVE WRAPPING. DUE TO FAVOURABLE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES THE SYSTEM HAS FURTHER INTENSIFIED INTO A VERY SEVERE CYCLONIC STORM.

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 20<sup>0</sup>N AND IS PROVIDING POLEWARD OUT FLOW FAVOURABLE FOR MAINTAINING THE INTENSITY AND WEST-NORTHWESTWARD MOVEMENT OF THE SYSTEM. THE NWP MODELS ALSO PREDICT WEST-NORTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS NORTH ANDHRA PRADESH COAST AND LANDFALL AROUND VISAKHAPATNAM AROUND FORENOON OF 12<sup>TH</sup> OCTOBER. HENCE THE CURRENT FORECAST IS BASED ON THE CONSENSUS TRACK FORECAST GUIDANCE OF THE MODELS.

**(KAMALJIT RAY)**  
**Scientist-E**

TOO:1700 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)



भारत मौसम विज्ञान विभाग  
INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. TWENTY ISSUED AT 1500 UTC OF 10TH OCTOBER 2014 BASED ON 1200 UTC CHARTS OF 10TH OCTOBER 2014.

THE VERY SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL BAY OF BENGAL MOVED NORTHWESTWARDS DURING PAST SIX HOURS AND LAY CENTERED AT 1200 UTC OF 10<sup>TH</sup> OCTOBER 2014 NEAR LATITUDE 15.2°N AND LONGITUDE 86.7°E ABOUT 460 KM SOUTHEAST OF VISAKHAPATNAM(43149) AND 490 KM SOUTH-SOUTHEAST OF GOPALPUR(43049). THE SYSTEM WOULD MOVE WEST-NORTHWESTWARDS AND CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM BY THE FORENOON OF 12TH OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T4.0. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 13.5° TO 17.0° NORTH AND LONGITUDE 85.0° EAST TO 89.5° EAST AND MODERATE TO INTENSE CONVECTION OVER REST BAY NORTH OF LATITUDE 12.0°NORTH.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 65 KNOTS GUSTING TO 75 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS PHENOMENAL AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 984 HPA.

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. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic disturbance
10-10-2014/1200	15.2/86.7	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/1800	15.5/86.3	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/0000	15.8/85.8	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/0600	16.2/85.2	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/1200	16.6/84.7	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/0000	17.5/83.6	130-140 gusting to 155	Very Severe Cyclonic Storm
12-10-2014/1200	18.4/82.5	80-90 gusting to 100	Cyclonic Storm
13-10-2014/0000	19.5/81.7	40-50 gusting to 60	Depression

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

**REMARKS:**

ACCORDING TO THE SATELLITE IMAGERY, THE CENTRAL DENSE OVERCAST (CDO) CONCENTRATED DURING THE PAST SIX HOURS LEADING TO INCREASE IN INTENSITY. THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE TO MAINTAIN ITS INTENSITY OF VERY SEVERE CYCLONIC STORM. HOWEVER, MODERATE TO HIGH WINDSHEAR, THE RATE OF INTENSIFICATION MAY NOT BE RAPID.

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 21<sup>0</sup>N IN ASSOCIATION WITH ANTI-CYCLONIC CIRCULATION OVER HEAD BAY AND WEST-NORTHWESTWARD MOVEMENT OF THE SYSTEM. THE NWP MODELS ALSO PREDICT WEST-NORTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS NORTH ANDHRA PRADESH COAST AND LANDFALL AROUND VISAKHAPATNAM AROUND FORENOON OF 12<sup>TH</sup> OCTOBER. HENCE THE CURRENT FORECAST IS BASED ON THE CONSENSUS TRACK FORECAST GUIDANCE OF THE MODELS.

**(M. Mohapatra)**  
**Scientist-E**

TOO:2100 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:  
Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)



भारत मौसम विज्ञान विभाग  
INDIA METEOROLOGICAL DEPARTMENT

TROPICAL CYCLONE

ADVISORY BULLETIN

FROM: RSMC –TROPICAL CYCLONES, NEW DELHI

TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. TWENTY ONE ISSUED AT 1800 UTC OF 10TH OCTOBER 2014 BASED ON 1500 UTC CHARTS OF 10TH OCTOBER 2014.

THE VERY SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL BAY OF BENGAL MOVED NORTHWESTWARDS DURING PAST SIX HOURS AND LAY CENTERED AT 1500 UTC OF 10<sup>TH</sup> OCTOBER 2014 NEAR LATITUDE 15.4°N AND LONGITUDE 86.5°E ABOUT 430 KM SOUTHEAST OF VISAKHAPATNAM(43149) AND 460 KM SOUTH-SOUTHEAST OF GOPALPUR(43049). THE SYSTEM WOULD MOVE WEST-NORTHWESTWARDS AND CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM BY THE FORENOON OF 12TH OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T4.0. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 12.0° TO 18.0° NORTH AND LONGITUDE 81.5° EAST TO 95.5° EAST .

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 65 KNOTS GUSTING TO 75 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS PHENOMENAL AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 984 HPA.

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(IST)	POSITION LAT. °N/ LONG. °E	MAXIMUM SUSTAINED SURFACE WIND SPEED (KMPH)	CATEGORY OF CYCLONIC DISTURBANCE
10-10-2014/1500	15.4/86.5	120-130 gusting to 145	Very Severe Cyclonic Storm
10-10-2014/2100	15.6/86.1	125-135 gusting to 150	Very Severe Cyclonic Storm
11-10-2014/0300	15.8/85.8	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/0900	16.2/85.2	135-145 gusting to 160	Very Severe Cyclonic Storm
11-10-2014/1500	16.6/84.7	140-150 gusting to 165	Very Severe Cyclonic Storm
12-10-2014/0300	17.5/83.6	140-150 gusting to 165	Very Severe Cyclonic Storm
12-10-2014/1500	18.4/82.5	90-100 gusting to 110	Cyclonic Storm
13-10-2014/0300	19.5/81.7	45-55 gusting to 65	Depression

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

**REMARKS:**

ACCORDING TO THE SATELLITE IMAGERY, THE CENTRAL DENSE OVERCAST (CDO) CONCENTRATED DURING THE PAST SIX HOURS LEADING TO INCREASE IN INTENSITY. THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE TO MAINTAIN ITS INTENSITY OF VERY SEVERE CYCLONIC STORM. HOWEVER, MODERATE TO HIGH WINDSHEAR, THE RATE OF INTENSIFICATION MAY NOT BE RAPID.

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 21<sup>0</sup>N IN ASSOCIATION WITH ANTI-CYCLONIC CIRCULATION OVER HEAD BAY AND WEST-NORTHWESTWARD MOVEMENT OF THE SYSTEM. THE NWP MODELS ALSO PREDICT WEST-NORTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS NORTH ANDHRA PRADESH COAST AND LANDFALL AROUND VISAKHAPATNAM AROUND FORENOON OF 12<sup>TH</sup> OCTOBER. HENCE THE CURRENT FORECAST IS BASED ON THE CONSENSUS TRACK FORECAST GUIDANCE OF THE MODELS.

**(RANJEET SINGH)**  
Scientist-E

TOO:2300 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

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भारत मौसम विज्ञान विभाग  
INDIA METEOROLOGICAL DEPARTMENT

TROPICAL CYCLONE

ADVISORY BULLETIN

FROM: RSMC –TROPICAL CYCLONES, NEW DELHI

TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. TWENTY TWO ISSUED AT 2100 UTC OF 10TH OCTOBER 2014 BASED ON 1800 UTC CHARTS OF 10TH OCTOBER 2014.

THE VERY SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL BAY OF BENGAL MOVED NORTHWESTWARDS DURING PAST SIX HOURS AND LAY CENTERED AT 1800 UTC OF 10<sup>TH</sup> OCTOBER 2014 NEAR LATITUDE 15.5°N AND LONGITUDE 86.4°E ABOUT 420 KM SOUTHEAST OF VISAKHAPATNAM(43149) AND 450 KM SOUTH-SOUTHEAST OF GOPALPUR(43049). THE SYSTEM WOULD MOVE WEST-NORTHWESTWARDS AND CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM BY THE FORENOON OF 12TH OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T4.0. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 11.0° TO 19.0° NORTH AND LONGITUDE 81.5° EAST TO 90.5° EAST .

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 65 KNOTS GUSTING TO 75 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS PHENOMENAL AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 984 HPA.

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(IST)	POSITION LAT. °N/ LONG. °E	MAXIMUM SUSTAINED SURFACE WIND SPEED (KMPH)	CATEGORY OF CYCLONIC DISTURBANCE
10-10-2014/1800	15.5/86.4	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/0000	15.7/86.1	125-135 gusting to 150	Very Severe Cyclonic Storm
11-10-2014/0600	15.9/85.8	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/1200	16.3/85.2	135-145 gusting to 160	Very Severe Cyclonic Storm
11-10-2014/1800	16.7/84.7	140-150 gusting to 165	Very Severe Cyclonic Storm
12-10-2014/0600	17.6/83.3	140-150 gusting to 165	Very Severe Cyclonic Storm
12-10-2014/1800	18.5/82.5	90-100 gusting to 110	Cyclonic Storm
13-10-2014/0600	19.8/81.7	45-55 gusting to 65	Depression

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

**REMARKS:**

ACCORDING TO THE SATELLITE IMAGERY, THE CENTRAL DENSE OVERCAST (CDO) CONCENTRATED DURING THE PAST SIX HOURS LEADING TO INCREASE IN INTENSITY. THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE TO MAINTAIN ITS INTENSITY OF VERY SEVERE CYCLONIC STORM. HOWEVER, MODERATE TO HIGH WINDSHEAR, THE RATE OF INTENSIFICATION MAY NOT BE RAPID.

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 21<sup>0</sup>N IN ASSOCIATION WITH ANTI-CYCLONIC CIRCULATION OVER HEAD BAY AND WEST-NORTHWESTWARD MOVEMENT OF THE SYSTEM. THE NWP MODELS ALSO PREDICT WEST-NORTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS NORTH ANDHRA PRADESH COAST AND LANDFALL AROUND VISAKHAPATNAM AROUND FORENOON OF 12<sup>TH</sup> OCTOBER. HENCE THE CURRENT FORECAST IS BASED ON THE CONSENSUS TRACK FORECAST GUIDANCE OF THE MODELS.

**(RANJEET SINGH)**  
Scientist-E

TOO:0230 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. TWENTY THREE ISSUED AT 0000 UTC OF 11TH OCTOBER 2014 BASED ON 2100 UTC CHARTS OF 10TH OCTOBER 2014.

THE VERY SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL BAY OF BENGAL MOVED NORTHWESTWARDS DURING PAST SIX HOURS AND LAY CENTERED AT 2100 UTC OF 10<sup>TH</sup> OCTOBER 2014 NEAR LATITUDE 15.9°N AND LONGITUDE 85.9°E ABOUT 350 KM SOUTHEAST OF VISAKHAPATNAM(43149) AND 390 KM SOUTH-SOUTHEAST OF GOPALPUR(43049). THE SYSTEM WOULD MOVE WEST-NORTHWESTWARDS AND CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM BY THE FORENOON OF 12TH OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T4.0. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 10.0° TO 20.0° NORTH AND LONGITUDE 81.0° EAST TO 90.5° EAST .

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 65 KNOTS GUSTING TO 75 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS PHENOMENAL AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 984 HPA.

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(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic disturbance
10-10-2014/2100	15.9/85.9	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/0300	16.1/85.6	125-135 gusting to 150	Very Severe Cyclonic Storm
11-10-2014/0900	16.4/85.1	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/1500	16.8/84.6	135-145 gusting to 160	Very Severe Cyclonic Storm
12-10-2014/0300	17.4/83.5	140-150 gusting to 165	Very Severe Cyclonic Storm
12-10-2014/1500	17.9/82.6	90-100 gusting to 110	Cyclonic Storm
13-10-2014/0300	18.8/81.5	50-60 gusting to 70	Deep Depression
13-10-2014/1500	20.5/80.5	45-55 gusting to 65	Depression

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

**REMARKS:**

ACCORDING TO THE SATELLITE IMAGERY, THE CENTRAL DENSE OVERCAST (CDO) CONCENTRATED DURING THE PAST SIX HOURS LEADING TO INCREASE IN INTENSITY. THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE TO MAINTAIN ITS INTENSITY OF VERY SEVERE CYCLONIC STORM. HOWEVER, MODERATE TO HIGH WINDSHEAR, THE RATE OF INTENSIFICATION MAY NOT BE RAPID.

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 21<sup>0</sup>N IN ASSOCIATION WITH ANTI-CYCLONIC CIRCULATION OVER HEAD BAY AND WEST-NORTHWESTWARD MOVEMENT OF THE SYSTEM. THE NWP MODELS ALSO PREDICT WEST-NORTHWESTWARD MOVEMENT OF THE SYSTEM TOWARDS NORTH ANDHRA PRADESH COAST AND LANDFALL AROUND VISAKHAPATNAM AROUND FORENOON OF 12<sup>TH</sup> OCTOBER. HENCE THE CURRENT FORECAST IS BASED ON THE CONSENSUS TRACK FORECAST GUIDANCE OF THE MODELS.

**(RANJEET SINGH)**  
Scientist-E

TOO:0530 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. TWENTY FOUR ISSUED AT **0300 UTC** OF **11TH** OCTOBER 2014 BASED ON **0000 UTC CHARTS OF 11TH OCTOBER 2014**.

THE VERY SEVERE CYCLONIC STORM 'HUDHUD' IS NOW LYING WITHIN THE RANGE OF DOPPLER WEATHER RADAR, VISAKHAPATNAM. HENCE IT IS BEING TRACKED BY VISAKHAPATNAM RADAR SINCE EARLY MORNING OF TODAY IN ADDITION TO SATELLITE AND OTHER OBSERVATIONAL TOOLS.

ACCORDING TO LATEST OBSERVATIONS, THE VERY SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL BAY OF BENGAL MOVED NORTHWESTWARDS DURING PAST SIX HOURS AND LAY CENTERED AT 0000 UTC OF 11<sup>TH</sup> OCTOBER 2014 NEAR LATITUDE 15.9°N AND LONGITUDE 85.7°E ABOUT 330 KM SOUTHEAST OF VISAKHAPATNAM(43149) AND 380 KM SOUTH-SOUTHEAST OF GOPALPUR(43049). THE SYSTEM WOULD MOVE WEST-NORTHWESTWARDS FOR SOME MORE TIME AND THEN MOVE NORTHWESTWARDS. IT WOULD CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM AROUND FORENOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T4.0. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 10.0° TO 20.0° NORTH AND LONGITUDE 80.5° EAST TO 89.0° EAST .

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 65 KNOTS GUSTING TO 75 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS PHENOMENAL AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 982 HPA.

ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

<b>DATE/TIME(UTC)</b>	<b>POSITION (LAT. °N/ LONG. °E)</b>	<b>MAXIMUM SUSTAINED SURFACE WIND SPEED (KMPH)</b>	<b>CATEGORY OF CYCLONIC DISTURBANCE</b>
11-10-2014/0000	15.9/85.7	120-130 gusting to 145	Very Severe Cyclonic Storm
11-10-2014/0600	16.1/85.3	125-135 gusting to 150	Very Severe Cyclonic Storm
11-10-2014/1200	16.4/85.0	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/1800	16.7/84.6	135-145 gusting to 160	Very Severe Cyclonic Storm
12-10-2014/0000	17.1/84.1	140-150 gusting to 165	Very Severe Cyclonic Storm
12-10-2014/1200	18.1/82.9	90-100 gusting to 110	Cyclonic Storm
13-10-2014/0000	19.3/81.5	50-60 gusting to 70	Deep Depression

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

13-10-2014/1200	21.0/80.5	45-55 gusting to 65	Depression
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**REMARKS:**

ACCORDING TO SATELLITE IMAGERY THE CONVECTIVE BANDING HAS IMPROVED WITH THE EXISTING CDO DURING PAST SIX HOURS. ACCORDING TO DWR VISAKHAPATNAM THERE IS APPEARANCE OF HALF EYE WITH CENTRE NEAR 15.8<sup>0</sup> N AND 85.7<sup>0</sup>E. MAXIMUM REFLECTIVITY IS 45 DBZ. MAXIMUM RADIAL VELOCITY OF 70 KNOTS IS REPORTED AT A HEIGHT OF ABOUT 3.5 KM.

THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE TO MAINTAIN ITS INTENSITY OF VERY SEVERE CYCLONIC STORM. THE WIND SHEAR IS MODERATE.

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 21<sup>0</sup>N IN ASSOCIATION WITH ANTI-CYCLONIC CIRCULATION OVER HEAD BAY AND ADJOINING BANGLADESH . WEST-NORTHWESTWARD MOVEMENT OF THE SYSTEM IS EXPECTED TO CONTINUE FOR SOME MORE TIME AND THEN NORTHWESTWARD. THE CURRENT FORECAST IS BASED ON THE CONSENSUS TRACK FORECAST GUIDANCE OF THE NUMERICAL WEATHER PREDICTION MODELS.

**(M.MOHAPATRA)**  
**Scientist-E**

TOO:0930 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. TWENTY FIVE ISSUED AT **0600 UTC** OF **11TH** OCTOBER 2014 BASED ON **0300 UTC CHARTS OF 11TH OCTOBER 2014**.

THE VERY SEVERE CYCLONIC STORM 'HUDHUD' IS NOW LYING WITHIN THE RANGE OF DOPPLER WEATHER RADAR, VISAKHAPATNAM. HENCE IT IS BEING TRACKED BY VISAKHAPATNAM RADAR SINCE EARLY MORNING OF TODAY IN ADDITION TO SATELLITE AND OTHER OBSERVATIONAL TOOLS. IN ASSOCIATION WITH THE SYSTEM, LIGHT TO MODERATE RAINFALL HAS COMMENCED OVER COAST TO THE NORTH OF KALINGAPATNAM IN ANDHRA PRADESH AND OVER COASTAL ODISHA.

ACCORDING TO LATEST OBSERVATIONS, THE VERY SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL BAY OF BENGAL MOVED WESTWARDS DURING PAST SIX HOURS AND LAY CENTERED AT 0830 HRS IST OF 11<sup>TH</sup> OCTOBER 2014 NEAR LATITUDE 15.9°N AND LONGITUDE 85.4°E, ABOUT 300 KM SOUTHEAST OF VISAKHAPATNAM (43149) AND 380 KM SOUTH-SOUTHEAST OF GOPALPUR (43049). THE SYSTEM WOULD MOVE WEST-NORTHWESTWARDS FOR SOME MORE TIME. IT WOULD THEN MOVE NORTHWESTWARDS AND CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM BY THE FORENOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T4.5. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 11.0° TO 19.0° NORTH AND WEST OF LONGITUDE 88.0° EAST.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 70 KNOTS GUSTING TO 80 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS PHENOMENAL AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 976 HPA.

ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

Date/Time(UTC)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic disturbance
11-10-2014/0300	15.9/85.4	130-140 gusting to 155	Very Severe Cyclonic Storm
11-10-2014/0600	16.1/85.3	140-150 gusting to 165	Very Severe Cyclonic Storm
11-10-2014/1200	16.4/85.0	150-160 gusting to 175	Very Severe Cyclonic Storm
11-10-2014/1800	16.7/84.6	160-170 gusting to 185	Very Severe Cyclonic Storm
12-10-2014/0000	17.1/84.1	170-180 gusting to 195	Very Severe Cyclonic Storm

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)

12-10-2014/1200	18.1/82.9	90-100 gusting to 110	Cyclonic Storm
13-10-2014/0000	19.3/81.5	50-60 gusting to 70	Deep Depression
13-10-2014/1200	21.0/80.5	45-55 gusting to 65	Depression

**REMARKS:**

ACCORDING TO LATEST POSITION FROM DWR VISAKHAPATNAM (0600 UTC) THERE IS APPEARANCE OF A CLOSED EYE WITH CENTRE NEAR 16.00 °N, 85.230° E WITH DIAMETER 43 KMS .MAXIMUM REFLECTIVITY IS 48 dBZ. MAXIMUM RADIAL VELOCITY IS 84 KNOTS AT A HEIGHT OF ABOUT 3.2 KM A.S.L.

THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE TO MAINTAIN ITS INTENSITY OF VERY SEVERE CYCLONIC STORM. THE WIND SHEAR CONTINUES TO STAY MODERATE.

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 21<sup>0</sup>N IN ASSOCIATION WITH ANTI-CYCLONIC CIRCULATION OVER HEAD BAY AND ADJOINING BANGLADESH. THE SYSTEM IS EXPECTED TO MAINTAIN WEST-NORTHWESTWARD FOR SOME MORE TIME AND THEN NORTHWESTWARD IN ASSOCIATION WITH THE SUB-TROPICAL RIDGE. THE CURRENT FORECAST IS BASED ON THE CONSENSUS TRACK FORECAST GUIDANCE OF THE NUMERICAL WEATHER PREDICTION MODELS.

**(KAMALJIT RAY)**  
Scientist-E

TOO: 1200 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com



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INDIA METEOROLOGICAL DEPARTMENT

TROPICAL CYCLONE

ADVISORY BULLETIN

FROM: RSMC –TROPICAL CYCLONES, NEW DELHI

TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. TWENTY SIX ISSUED AT 0900 UTC OF 11TH OCTOBER 2014 BASED ON 0600 UTC CHARTS OF 11TH OCTOBER 2014.

ACCORDING TO LATEST OBSERVATIONS, THE VERY SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL BAY OF BENGAL MOVED WEST-NORTHWESTWARDS DURING PAST SIX HOURS AND LAY CENTERED AT 0600 UTC OF 11TH OCTOBER 2014 NEAR LATITUDE 16.1°N AND LONGITUDE 85.1°E, ABOUT 260 KM SOUTHEAST OF VISAKHAPATNAM (43149) AND 350 KM SOUTH-SOUTHEAST OF GOPALPUR (43049). THE SYSTEM WOULD MOVE NORTHWESTWARDS AND CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM (43149) BY THE FORENOON OF 12TH OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T5.0. EYE IS CLEARLY SEEN IN IMAGERIES. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 11.0° TO 18.0° NORTH AND WEST OF LONGITUDE 88.5° EAST.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 80 KNOTS GUSTING TO 90 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS PHENOMENAL AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 966 HPA.

ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic disturbance
11-10-2014/0600	16.1/85.1	155-165 gusting to 180	Very Severe Cyclonic Storm
11-10-2014/1200	16.3/84.9	155-165 gusting to 180	Very Severe Cyclonic Storm
11-10-2014/1800	16.7/84.6	160-170 gusting to 185	Very Severe Cyclonic Storm
12-10-2014/0000	17.1/84.1	170-180 gusting to 195	Very Severe Cyclonic Storm
12-10-2014/0600	18.0/83.1	170-180 gusting to 195	Very Severe Cyclonic Storm
12-10-2014/1800	18.9/82.1	80-90 gusting to 100	Cyclonic Storm
13-10-2014/0600	19.6/81.0	50-60 gusting to 70	Deep Depression

REMARKS:

ACCORDING TO LATEST POSITION FROM DWR VISAKHAPATNAM (0800 UTC) THERE IS AN OPEN EYE WITH CENTRE NEAR 16.13 °N, 85.12° E WITH DIAMETER 45 KMS .MAXIMUM REFLECTIVITY IS 46.5 dBZ. MAXIMUM RADIAL VELOCITY IS 85 KNOTS AT A HEIGHT OF ABOUT 2.4 KM A.S.L.

**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE TO MAINTAIN ITS INTENSITY OF VERY SEVERE CYCLONIC STORM. THE WIND SHEAR CONTINUES TO STAY MODERATE.

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 21<sup>0</sup>N IN ASSOCIATION WITH ANTI-CYCLONIC CIRCULATION OVER HEAD BAY AND ADJOINING BANGLADESH. THE SYSTEM IS EXPECTED TO MAINTAIN NORTHWESTWARD MOVEMENT IN ASSOCIATION WITH THE SUB-TROPICAL RIDGE. THE CURRENT FORECAST IS BASED ON THE CONSENSUS TRACK FORECAST GUIDANCE OF THE NUMERICAL WEATHER PREDICTION MODELS.

**(KAMALJIT RAY)**  
**Scientist-E**

TOO: 1430 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

**Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)**



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. TWENTY SEVEN ISSUED AT **1200 UTC** OF **11TH** OCTOBER 2014 BASED ON **0900 UTC CHARTS OF 11TH OCTOBER 2014**.

ACCORDING TO LATEST OBSERVATIONS, THE VERY SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL BAY OF BENGAL MOVED WEST-NORTHWESTWARDS DURING PAST SIX HOURS AND LAY CENTERED AT 1430 HRS IST OF 11<sup>TH</sup> OCTOBER 2014 NEAR LATITUDE 16.1°N AND LONGITUDE 85.0°E, ABOUT 250 KM SOUTHEAST OF VISAKHAPATNAM (43149) AND 340 KM SOUTH-SOUTHEAST OF GOPALPUR (43049). THE SYSTEM WOULD MOVE NORTHWESTWARDS AND CROSS NORTH ANDHRA PRADESH COAST AROUND VISAKHAPATNAM BY THE FORENOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T5.0. EYE IS CLEARLY SEEN IN IMAGERIES. ASSOCIATED BROKEN LOW OR MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER AREA BETWEEN LATITUDE 11.0° TO 18.0° NORTH AND WEST OF LONGITUDE 88.5° EAST.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 80 KNOTS GUSTING TO 90 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS PHENOMENAL AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 966 HPA.

ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

<b>Date/Time(UTC)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
11-10-2014/0900	16.1/85.0	155-165 gusting to 180	Very Severe Cyclonic Storm
11-10-2014/1200	16.3/84.9	155-165 gusting to 180	Very Severe Cyclonic Storm
11-10-2014/1800	16.7/84.6	160-170 gusting to 185	Very Severe Cyclonic Storm
12-10-2014/0000	17.1/84.1	170-180 gusting to 195	Very Severe Cyclonic Storm
12-10-2014/0600	17.5/83.6	160-170 gusting to 185	Very Severe Cyclonic Storm
12-10-2014/1800	18.5/82.5	80-90 gusting to 100	Cyclonic Storm
13-10-2014/0600	19.5/81.2	50-60 gusting to 70	Deep Depression

**REMARKS:**

ACCORDING TO LATEST POSITION FROM DWR VISAKHAPATNAM (1100 UTC) THERE IS A CLOSED EYE WITH CENTRE NEAR 16.1 °N, 84.9° E WITH DIAMETER 42 KMS . MAXIMUM REFLECTIVITY IS 46.0 dBZ. MAXIMUM RADIAL VELOCITY IS 92 KNOTS AT A HEIGHT OF ABOUT 4.6 KM A.S.L.

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE TO MAINTAIN ITS INTENSITY OF VERY SEVERE CYCLONIC STORM. THE WIND SHEAR CONTINUES TO STAY MODERATE.

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 21<sup>0</sup>N IN ASSOCIATION WITH ANTI-CYCLONIC CIRCULATION OVER HEAD BAY AND ADJOINING BANGLADESH. THE SYSTEM IS EXPECTED TO MAINTAIN NORTHWESTWARD MOVEMENT IN ASSOCIATION WITH THE SUB-TROPICAL RIDGE. THE CURRENT FORECAST IS BASED ON THE CONSENSUS TRACK FORECAST GUIDANCE OF THE NUMERICAL WEATHER PREDICTION MODELS.

**(KAMALJIT RAY)**  
**Scientist-E**

TOO: 1630 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)



भारत मौसम विज्ञान विभाग  
INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. TWENTY EIGHT ISSUED AT **1500 UTC** OF **11TH** OCTOBER 2014 BASED ON **1200 UTC CHARTS OF 11TH OCTOBER 2014**.

ACCORDING TO LATEST OBSERVATIONS, THE VERY SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL BAY OF BENGAL MOVED WEST-NORTHWESTWARDS DURING PAST SIX HOURS AND LAY CENTERED AT 1200 UTC OF 11<sup>TH</sup> OCTOBER 2014 NEAR LATITUDE 16.2°N AND LONGITUDE 84.8°E, ABOUT 230 KM SOUTHEAST OF VISAKHAPATNAM (43149) AND 340 KM SOUTH-SOUTHEAST OF GOPALPUR (43049). THE SYSTEM WOULD MOVE NORTHWESTWARDS AND CROSS NORTH ANDHRA PRADESH COAST CLOSE TO VISAKHAPATNAM AROUND NOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T5.0. EYE IS CLEARLY SEEN IN IMAGERIES. ASSOCIATED INTENSE TO VERY INTENSE CONVECTIVE CLOUDS OVER AREA BETWEEN LATITUDE 11.0° TO 20.0° NORTH AND WEST OF LONGITUDE 88.0° EAST. MINIMUM CLOUD-TOP TEMPERATURE MINUS 93° C.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 90 KNOTS GUSTING TO 110 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS PHENOMENAL AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 960 HPA.

ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic disturbance
11-10-2014/1200	16.2/84.8	155-165 gusting to 180	Very Severe Cyclonic Storm
11-10-2014/1800	16.5/84.3	160-170 gusting to 185	Very Severe Cyclonic Storm
12-10-2014/0000	16.9/83.8	170-180 gusting to 195	Very Severe Cyclonic Storm
12-10-2014/0600	17.6/83.3	170-180 gusting to 195	Very Severe Cyclonic Storm
12-10-2014/1200	18.2/82.8	90-100 gusting to 110	Severe Cyclonic Storm
13-10-2014/0000	19.3/81.8	50-60 gusting to 70	Deep Depression

**REMARKS:**

ACCORDING TO LATEST POSITION FROM DWR VISAKHAPATNAM (1300 UTC) THERE IS A CLOSED EYE WITH CENTRE NEAR 16.2 °N, 84.8° E WITH DIAMETER 36 KMS. MAXIMUM REFLECTIVITY IS 50.0 dBZ. MAXIMUM RADIAL VELOCITY IS 92 KNOTS AT A HEIGHT OF ABOUT 3.8 KM A.S.L.

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)

THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE TO MAINTAIN ITS INTENSITY OF VERY SEVERE CYCLONIC STORM. THE WIND SHEAR CONTINUES TO STAY MODERATE.

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 21.0<sup>0</sup> N IN ASSOCIATION WITH ANTI-CYCLONIC CIRCULATION OVER HEAD BAY AND ADJOINING BANGLADESH. THE SYSTEM IS EXPECTED TO MAINTAIN NORTHWESTWARD MOVEMENT IN ASSOCIATION WITH THE SUB-TROPICAL RIDGE. THE CURRENT FORECAST IS BASED ON THE CONSENSUS TRACK FORECAST GUIDANCE OF THE NUMERICAL WEATHER PREDICTION MODELS.

**(Charan Singh)**  
**Scientist-E**

TOO: 2030 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

**Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com**



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO.TWENTY NINE ISSUED AT **1800 UTC** OF **11TH** OCTOBER 2014 BASED ON **1500 UTC CHARTS OF 11TH OCTOBER 2014.**

ACCORDING TO LATEST OBSERVATIONS, THE VERY SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL BAY OF BENGAL REMAINED PRACTICALLY STATIONARY DURING THE LAST 03 HOURS AND LAY CENTERED AT 1500 UTC OF 11<sup>TH</sup> OCTOBER 2014 NEAR LATITUDE 16.2°N AND LONGITUDE 84.8°E, ABOUT 230 KM SOUTHEAST OF VISAKHAPATNAM (43149) AND 340 KM SOUTH-SOUTHEAST OF GOPALPUR (43049). THE SYSTEM WOULD MOVE NORTHWESTWARDS AND CROSS NORTH ANDHRA PRADESH COAST CLOSE TO VISAKHAPATNAM AROUND NOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T5.0. EYE IS CLEARLY SEEN IN IMAGERIES. ASSOCIATED INTENSE TO VERY INTENSE CONVECTIVE CLOUDS OVER THE AREA BETWEEN LATITUDE 13.0° TO 19.0° NORTH AND WEST OF LONGITUDE 88.0° EAST. MINIMUM CLOUD TOP TEMPERATURE IS OBSERVED MINUS 83<sup>0</sup> C.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 90 KNOTS GUSTING TO 110 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS PHENOMENAL AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 960 HPA.

ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic disturbance
11-10-2014/1500	16.2/84.8	155-165 gusting to 180	Very Severe Cyclonic Storm
12-10-2014/2100	16.5/84.3	160-170 gusting to 185	Very Severe Cyclonic Storm
12-10-2014/0300	16.9/83.8	170-180 gusting to 195	Very Severe Cyclonic Storm
12-10-2014/0900	17.6/83.3	170-180 gusting to 195	Very Severe Cyclonic Storm
12-10-2014/1500	18.2/82.8	90-100 gusting to 110	Severe Cyclonic Storm
13-10-2014/0300	19.3/81.8	50-60 gusting to 70	Deep Depression

**REMARKS:**

ACCORDING TO LATEST POSITION FROM DWR VISAKHAPATNAM (1700 UTC) THERE IS A CLOSED EYE WITH CENTRE NEAR 16.4 °N, 84.8° E WITH DIAMETER 42 KMS. MAXIMUM REFLECTIVITY IS 45.0

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)

dBZ. MAXIMUM RADIAL VELOCITY IS 95 KNOTS AT A HEIGHT OF ABOUT 3.6 KM ABOVE MEAN SEA LEVEL.

THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE TO MAINTAIN ITS INTENSITY OF VERY SEVERE CYCLONIC STORM. THE WIND SHEAR CONTINUES TO STAY MODERATE.

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 22.0<sup>0</sup> N IN ASSOCIATION WITH ANTI-CYCLONIC CIRCULATION OVER HEAD BAY AND ADJOINING BANGLADESH. THE SYSTEM IS EXPECTED TO MAINTAIN NORTHWESTWARD MOVEMENT IN ASSOCIATION WITH THE SUB-TROPICAL RIDGE. THE CURRENT FORECAST IS BASED ON THE CONSENSUS TRACK FORECAST GUIDANCE OF THE NUMERICAL WEATHER PREDICTION MODELS.

**(Charan Singh)**  
**Scientist-E**

TOO: 2330 HRS IST

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. THIRTY ISSUED AT **2100 UTC** OF **11TH OCTOBER 2014** BASED ON **1800 UTC CHARTS OF 11TH OCTOBER 2014**.

ACCORDING TO LATEST OBSERVATIONS, THE VERY SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL BAY OF BENGAL MOVED SLIGHTLY NORTH-NORTHWESTARDS WITH A SPEED OF ABOUT 6 KMPH DURING THE LAST 06 HOURS AND LAY CENTERED AT 1800 UTC OF 11<sup>TH</sup> OCTOBER 2014 NEAR LATITUDE 16.4°N AND LONGITUDE 84.7°E, ABOUT 210 KM SOUTHEAST OF VISAKHAPATNAM AND 320 KM SOUTH OF GOPALPUR. THE SYSTEM WOULD MOVE NORTHWESTWARDS AND CROSS NORTH ANDHRA PRADESH COAST CLOSE TO VISAKHAPATNAM AROUND NOON OF 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T5.0. EYE IS CLEARLY SEEN IN IMAGERIES. ASSOCIATED INTENSE TO VERY INTENSE CONVECTIVE CLOUDS OVER THE AREA BETWEEN LATITUDE 13.0° TO 18.5° NORTH AND WEST OF LONGITUDE 88.0° EAST. MINIMUM CLOUD TOP TEMPERATURE IS OBSERVED MINUS 85° C.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 90 KNOTS GUSTING TO 110 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS PHENOMENAL AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 960 HPA.

ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

Date/Time(UTC)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic disturbance
11-10-2014/1800	16.4/84.7	160-170 gusting to 185	Very Severe Cyclonic Storm
12-10-2014/0000	16.8/84.1	160-170 gusting to 185	Very Severe Cyclonic Storm
12-10-2014/0600	17.3/83.5	170-180 gusting to 195	Very Severe Cyclonic Storm
12-10-2014/1200	17.8/83.1	170-180 gusting to 195	Very Severe Cyclonic Storm
12-10-2014/1800	18.4/82.7	90-100 gusting to 110	Severe Cyclonic Storm
13-10-2014/0600	19.7/82.0	50-60 gusting to 70	Deep Depression

**REMARKS:**

ACCORDING TO LATEST POSITION FROM DWR VISAKHAPATNAM (2000 UTC) THERE IS A CLOSED EYE WITH CENTRE NEAR 16.8 °N, 84.6° E WITH DIAMETER 39 KMS. MAXIMUM REFLECTIVITY IS 45.0

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)

dBZ. MAXIMUM RADIAL VELOCITY IS 94 KNOTS AT A HEIGHT OF ABOUT 3.1 KM ABOVE MEAN SEA LEVEL.

THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE TO MAINTAIN ITS INTENSITY OF VERY SEVERE CYCLONIC STORM. THE WIND SHEAR CONTINUES TO STAY MODERATE.

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 22.0<sup>0</sup> N IN ASSOCIATION WITH ANTI-CYCLONIC CIRCULATION OVER HEAD BAY AND ADJOINING BANGLADESH. THE SYSTEM IS EXPECTED TO MAINTAIN NORTHWESTWARD MOVEMENT IN ASSOCIATION WITH THE SUB-TROPICAL RIDGE. THE CURRENT FORECAST IS BASED ON THE CONSENSUS TRACK FORECAST GUIDANCE OF THE NUMERICAL WEATHER PREDICTION MODELS.

**(Charan Singh)**  
**Scientist-E**

TOO: 0300 HRS IST OF 12.10.2014

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. THIRTY ONE ISSUED AT **0000 UTC** OF **12TH** OCTOBER 2014 BASED ON **2100 UTC CHARTS OF 11TH OCTOBER 2014**.

ACCORDING TO LATEST OBSERVATIONS, THE VERY SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL BAY OF BENGAL MOVED NORTHWESTWARDS WITH A SPEED OF ABOUT 8 KMPH DURING THE LAST 09 HOURS AND LAY CENTERED AT 2100 UTC OF 11<sup>TH</sup> OCTOBER 2014 NEAR LATITUDE 16.8°N AND LONGITUDE 84.4°E, ABOUT 160 KM SOUTHEAST OF VISAKHAPATNAM AND 280 KM SOUTH-SOUTHWEST OF GOPALPUR. THE SYSTEM WOULD MOVE NORTHWESTWARDS AND CROSS NORTH ANDHRA PRADESH COAST CLOSE TO VISAKHAPATNAM AROUND NOON OF TODAY, THE 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T5.0. EYE IS CLEARLY SEEN IN IMAGERIES. ASSOCIATED INTENSE TO VERY INTENSE CONVECTIVE CLOUDS OVER THE AREA BETWEEN LATITUDE 12.0° TO 20.0° NORTH AND WEST OF LONGITUDE 88.0° EAST. MINIMUM CLOUD TOP TEMPERATURE IS OBSERVED MINUS 84° C.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 90 KNOTS GUSTING TO 110 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS PHENOMENAL AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 960 HPA.

ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

<b>Date/Time(UTC)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
11-10-2014/2100	16.8/84.4	160-170 gusting to 185	Very Severe Cyclonic Storm
12-10-2014/0000	17.0/84.1	160-170 gusting to 185	Very Severe Cyclonic Storm
12-10-2014/0600	17.3/83.5	170-180 gusting to 195	Very Severe Cyclonic Storm
12-10-2014/1200	17.8/83.1	170-180 gusting to 195	Very Severe Cyclonic Storm
12-10-2014/1800	18.4/82.7	90-100 gusting to 110	Severe Cyclonic Storm
13-10-2014/0600	19.7/82.0	50-60 gusting to 70	Deep Depression

**REMARKS:**

ACCORDING TO LATEST POSITION FROM DWR VISAKHAPATNAM (2300 UTC) THERE IS A CLOSED EYE WITH CENTRE NEAR 17.2 °N, 84.3° E WITH DIAMETER 44 KMS. MAXIMUM REFLECTIVITY IS 50.0

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)

dBZ. MAXIMUM RADIAL VELOCITY IS 95 KNOTS AT A HEIGHT OF ABOUT 1.2 KM ABOVE MEAN SEA LEVEL.

THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE TO MAINTAIN ITS INTENSITY OF VERY SEVERE CYCLONIC STORM. THE WIND SHEAR CONTINUES TO STAY MODERATE.

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 22.0<sup>0</sup> N IN ASSOCIATION WITH ANTI-CYCLONIC CIRCULATION OVER HEAD BAY AND ADJOINING BANGLADESH. THE SYSTEM IS EXPECTED TO MAINTAIN NORTHWESTWARD MOVEMENT IN ASSOCIATION WITH THE SUB-TROPICAL RIDGE. THE CURRENT FORECAST IS BASED ON THE CONSENSUS TRACK FORECAST GUIDANCE OF THE NUMERICAL WEATHER PREDICTION MODELS.

**(Charan Singh)**  
**Scientist-E**

TOO: 0530 HRS IST OF 12.10.2014

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. THIRTY TWO ISSUED AT **0200 UTC** OF **12TH** OCTOBER 2014 BASED ON 0000 **UTC CHARTS OF 12TH OCTOBER 2014.**

THE VERY SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL BAY OF BENGAL MOVED NORTHWESTWARDS WITH A SPEED OF ABOUT 15 KMPH DURING THE PAST 06 HOURS AND LAY CENTERED AT 0000 UTC OF 12<sup>TH</sup> OCTOBER 2014 NEAR LATITUDE 17.2°N AND LONGITUDE 84.2°E, ABOUT 100 KM SOUTHEAST OF VISAKHAPATNAM AND 240 KM SOUTH-SOUTHWEST OF GOPALPUR. THE SYSTEM WOULD MOVE NORTHWESTWARDS AND CROSS NORTH ANDHRA PRADESH COAST CLOSE TO VISAKHAPATNAM AROUND NOON OF TODAY, THE 12<sup>TH</sup> OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T5.0. EYE IS CLEARLY SEEN IN IMAGERIES. ASSOCIATED INTENSE TO VERY INTENSE CONVECTIVE CLOUDS OVER THE AREA BETWEEN LATITUDE 12.0° TO 20.0° NORTH AND WEST OF LONGITUDE 87.0° EAST. MINIMUM CLOUD TOP TEMPERATURE IS OBSERVED MINUS 93<sup>0</sup> C. THE EYE TEMPERATURE IS MINUS 60.0<sup>0</sup> C

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 90 KNOTS GUSTING TO 110 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS PHENOMENAL AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 960 HPA.

ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

Date/Time(UTC)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic disturbance
12-10-2014/0000	17.2/84.2	170-180 gusting to 195	Very Severe Cyclonic Storm
12-10-2014/0600	17.8/83.6	170-180 gusting to 195	Very Severe Cyclonic Storm
12-10-2014/1200	18.2/83.2	160-170 gusting to 185	Very Severe Cyclonic Storm
12-10-2014/1800	18.7/82.7	90-100 gusting to 110	Severe Cyclonic Storm
13-10-2014/0600	19.2/82.2	50-60 gusting to 70	Deep Depression
13-10-2014/1200	20.0/81.5	40-50 gusting to 60	Depression

**REMARKS:**

ACCORDING TO LATEST POSITION FROM DWR VISAKHAPATNAM (0000 UTC) THERE IS A CLOSED EYE WITH CENTRE NEAR 17.3 °N, 84.2° E WITH DIAMETER 66 KMS. MAXIMUM REFLECTIVITY IS 48.0

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)

dBZ. MAXIMUM RADIAL VELOCITY IS 105 KNOTS AT A HEIGHT OF ABOUT 1.0 KM ABOVE MEAN SEA LEVEL.

THE UPPER LEVEL DIVERGENCE COUPLED WITH WARM SEA SURFACE TEMPERATURES IS FAVOURABLE TO MAINTAIN ITS INTENSITY OF VERY SEVERE CYCLONIC STORM. THE WIND SHEAR CONTINUES TO STAY MODERATE.

THE UPPER TROPOSPHERIC RIDGE RUNS ALONG 22.0<sup>0</sup> N IN ASSOCIATION WITH ANTI-CYCLONIC CIRCULATION OVER HEAD BAY AND ADJOINING BANGLADESH. THE SYSTEM IS EXPECTED TO MAINTAIN NORTHWESTWARD MOVEMENT IN ASSOCIATION WITH THE SUB-TROPICAL RIDGE. THE CURRENT FORECAST IS BASED ON THE CONSENSUS TRACK FORECAST GUIDANCE OF THE NUMERICAL WEATHER PREDICTION MODELS.

**(CHARAN SINGH)**  
**Scientist-E**

TOO: 0730 HRS IST OF 12.10.2014

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. THIRTY THREE ISSUED AT **0500 UTC** OF **12TH** OCTOBER 2014 BASED ON **0300 UTC CHARTS OF 12TH OCTOBER 2014**.

THE VERY SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL BAY OF BENGAL MOVED WEST-NORTHWESTWARDS WITH A SPEED OF ABOUT 15 KMPH DURING THE LAST 06 HOURS AND LAY CENTERED AT 0300 UTC OF 12TH OCTOBER 2014 NEAR LATITUDE 17.4°N AND LONGITUDE 83.8°E, ABOUT 60 KM EAST-SOUTHEAST OF VISAKHAPATNAM (43149). THE SYSTEM WOULD MOVE WEST-NORTHWESTWARDS AND CROSS NORTH ANDHRA PRADESH COAST CLOSE TO VISAKHAPATNAM (43149) AROUND NOON OF TODAY, THE 12TH OCTOBER 2014.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T5.0. ASSOCIATED INTENSE TO VERY INTENSE CONVECTIVE CLOUDS OVER THE AREA BETWEEN LATITUDE 12.0° TO 20.0° NORTH AND WEST OF LONGITUDE 87.0° EAST. MINIMUM CLOUD TOP TEMPERATURE IS OBSERVED MINUS 93° C.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 95 KNOTS GUSTING TO 110 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS PHENOMENAL AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 960 HPA.

ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

Date/Time(UTC)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic disturbance
12-10-2014/0300	17.4/83.8	170-180 gusting to 195	Very Severe Cyclonic Storm
12-10-2014/0600	17.8/83.5	170-180 gusting to 195	Very Severe Cyclonic Storm
12-10-2014/1200	18.2/83.3	100-120 gusting to 130	Severe Cyclonic Storm
12-10-2014/1800	18.7/82.7	80-90 gusting to 100	Cyclonic Storm
13-10-2014/0000	19.2/82.2	55-65 gusting to 75	Deep Depression
13-10-2014/1200	20.0/81.5	40-50 gusting to 60	Depression

**REMARKS:**

ACCORDING TO LATEST POSITION FROM DWR VISAKHAPATNAM (0330 UTC) THERE IS AN ILL DEFINED EYE WITH CENTRE NEAR 17.3 °N, 83.67° E. MAXIMUM REFLECTIVITY IS 55.0 dBZ.

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com)

MAXIMUM RADIAL VELOCITY IS 130 KNOTS AT A HEIGHT OF ABOUT 1.0 KM ABOVE MEAN SEA LEVEL.

THE SYSTEM IS EXPECTED TO MAINTAIN WEST-NORTHWESTWARD MOVEMENT AND CROSS CLOSE TO VISKHAPATNAM AROUND NOON OF TODAY, THE 12<sup>TH</sup> OCTOBER 2014.

**(KAMALJIT RAY)**  
**Scientist-E**

TOO: 1000 HRS IST OF 12.10.2014

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

**Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com**



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 'HUDHUD' ADVISORY NO. THIRTY FOUR ISSUED AT 0700 UTC OF 12TH OCTOBER 2014 BASED ON 0600 UTC CHARTS OF 12TH OCTOBER 2014.**

THE VERY SEVERE CYCLONIC STORM 'HUDHUD' OVER WESTCENTRAL BAY OF BENGAL MOVED WEST-NORTHWESTWARDS WITH A SPEED OF ABOUT 15 KMPH DURING THE LAST 06 HOURS AND LAY CENTERED AT 0600 HOURS UTC OF 12<sup>TH</sup> OCTOBER 2014 NEAR LATITUDE 17.6°N AND LONGITUDE 83.2°E, CLOSE TO VISAKHAPATNAM (43149). THE SYSTEM IS CROSSING THE COAST.

ACCORDING TO SATELLITE IMAGERIES, THE INTENSITY OF THE SYSTEM IS T5.0. ASSOCIATED INTENSE TO VERY INTENSE CONVECTIVE CLOUDS OVER THE AREA BETWEEN LATITUDE 12.0° TO 20.0° NORTH AND WEST OF LONGITUDE 87.0° EAST. MINIMUM CLOUD TOP TEMPERATURE IS OBSERVED MINUS 93° C.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 95 KNOTS GUSTING TO 110 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS PHENOMENAL AROUND THE SYSTEM CENTRE. THE ESTIMATED CENTRAL PRESSURE IS ABOUT 960 HPA.

ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

Date/Time(UTC)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic disturbance
12-10-2014/0600	17.6/83.2	170-180 gusting to 195	Very Severe Cyclonic Storm
12-10-2014/1200	18.2/82.7	100-120 gusting to 130	Severe Cyclonic Storm
12-10-2014/1800	18.7/82.2	80-90 gusting to 100	Cyclonic Storm
13-10-2014/0000	19.2/81.7	55-65 gusting to 75	Deep Depression
13-10-2014/0600	19.7/81.2	40-50 gusting to 60	Depression

**REMARKS:**

ACCORDING TO LATEST POSITION FROM DWR VISAKHAPATNAM (0430 UTC) THERE IS AN ILL DEFINED EYE WITH CENTRE NEAR 17.4 °N, 83.7° E. MAXIMUM REFLECTIVITY IS 58.0 dBZ. MAXIMUM RADIAL VELOCITY IS 130 KNOTS AT A HEIGHT OF ABOUT 1.0 KM ABOVE MEAN SEA LEVEL.

THE SYSTEM IS CROSSING THE COAST CLOSE TO VISAKHAPATNAM.

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com

**(KAMALJIT RAY)**  
**Scientist-E**

TOO: 1230 HRS IST OF 12.10.2014

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

**Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com**



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INDIA METEOROLOGICAL DEPARTMENT

**TROPICAL CYCLONE**

**ADVISORY BULLETIN**

**FROM: RSMC –TROPICAL CYCLONES, NEW DELHI**

**TO: STORM WARNING CENTRE, YANGAON (MYANMAR)  
STORM WARNING CENTRE, BANGKOK (THAILAND)  
STORM WARNING CENTRE, COLOMBO (SRILANKA)  
WARNING CENTRE, DHAKA ( BANGLADESH )  
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 ‘HUDHUD’ ADVISORY NO. THIRTY FIVE ISSUED AT 1200 UTC OF 12TH OCTOBER 2014 BASED ON 0900 UTC CHARTS OF 12TH OCTOBER 2014.**

THE VERY SEVERE CYCLONIC STORM ‘HUDHUD’ OVER WESTCENTRAL BAY OF BENGAL MOVED WEST-NORTHWESTWARDS, CROSSED ANDHRA PRADESH COAST OVER VISAKHAPATNAM BETWEEN 1200 AND 1300 HRS IST AND LAY CENTERED AT 1430 HOURS IST OF 12<sup>TH</sup> OCTOBER 2014 NEAR LATITUDE 17.8°N AND LONGITUDE 83.0°E, ABOUT 30 KM WEST-NORTHWEST OF VISAKHAPATNAM. IT WOULD MOVE NORTHWESTWARDS AND WEAKEN GRADUALLY.

MAXIMUM SUSTAINED SURFACE WIND SPEED IS ESTIMATED TO BE ABOUT 75 KNOTS GUSTING TO 85 KNOTS AROUND THE SYSTEM CENTRE. THE STATE OF THE SEA IS VERY HIGH ALONG AND OFF NORTH ANDHRA COAST AND ROUGH TO VERY ROUGH ALONG AND OFF SOUTH ANDHRA COAST AND SOUTH ODISHA COAST.

ESTIMATED TRACK AND INTENSITY OF THE SYSTEM ARE GIVEN IN THE TABLE BELOW:

<b>Date/Time(UTC)</b>	<b>Position (Lat. °N/ long. °E)</b>	<b>Maximum sustained surface wind speed (kmph)</b>	<b>Category of cyclonic disturbance</b>
12-10-2014/0900	17.8/83.0	130-140 gusting to 150	Very Severe Cyclonic Storm
12-10-2014/1200	18.2/82.7	90-100 gusting to 110	Severe Cyclonic Storm
12-10-2014/1800	19.0/82.0	70-80 gusting to 90	Cyclonic Storm
13-10-2014/0000	19.8/81.2	50-60 gusting to 70	Deep Depression
13-10-2014/0600	20.7/80.5	30-40 gusting to 50	Depression

**THIS IS THE LAST BULLETIN FOR THIS CYCLONE.**

**(KAMALJIT RAY)  
Scientist-E**

TOO: 1700 HRS IST OF

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**Contact:

Phone: (91) 11-24652484 FAX: (91) 11-24623220 e-mail: cwdhq2008@gmail.com