Sector Results Framework – Disaster Risk Management

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| **Sector Outcome** | **Results Indicators** | **Indicator Type** | **Unit of Measure** | **Baseline** | **Targets/ Achievements** | | | | | | **Lead Agency** | **COMMENTS** |
|  | **2009** | **2010** | **2011** | **2012** | **2013** |
| 1. Disaster Management and mitigation institutionalized and strong institutional base for implementation, created (P1) | 1. DM Act, established (P1 S1) | Output | Event | Draft Bill (2006/7) | Target | Draft Bill revised | Draft bill submitted to AGO | Draft bill to be revised and resubmitted to AGO; and sent to parliament | Bill enacted |  | NDMC, UNDP | Please specify targets for 2013 |
| Ach | Draft Bill revised | Draft bill submitted to AGO |  |  |  |
| 2. Advocacy to ratify and get policy maker support for DM Bill (P1 S1) | Outcome | Event | 2007 | Target | Sensitization workshops for MP’s and policy makers |  |  |  |  | NDMC, UNDP, MRC, MMS, MoE, MoHE | Please specify targets and achievements for all years.  State baseline. |
| Ach | Sensitization workshops for MP’s and Stateministers (regional) |  |  |  |  |
| 3) SNAP for DRR & CCA established. (P1 S2) | Output | Event | 2008 | Target |  | Provisional draft completed | To be endorsed the government | To be implemntaed by end of 2011 |  | NDMC, UNDP, MRC, MMS, MoE, MoHE | Please specify targets and achievements for all years. |
| Ach |  | Above target achieved |  |  |  |

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|  | 4) DRR mainstreamed into all relevant policies in different sectors. (P1 S2) | Outcome | No. of sectoral policies that incorporate DRR | 2009 | Target | Tsunami SOP developed, draft EMS develop by MoHF;  national building code revised with drr integrated, by MHE |  |  |  | All relevant sectors to incorporate drr in their policies | NDMC, MHE, MoHF | Please specify targets and achievements for all years. |
| Ach |  | Tsunami SOP developed, draft EMS develop by MoHF;  national building code revised with drr integrated, by MHE |  |  |  |
| 5) DRR focal points in all islands, established (P1 S3) | Outcome | No. of islands having focal points | NA | Target | DRR focal points established in all regions | School community DRR focal points established in all islands |  |  |  | NDMC, MoE | Stakeholders to share focal points in islands to carry out activties. |
| Ach | Achieved above | Except for a few islands target achieved by MoE |  |  |  |

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|  | 6) Material for increasing Public awareness on A.e tutional base for implementation creatednlised and strong existing DRR/CCA policies, increased (P1 S3) | Outcome | Type of materials |  | Target |  |  |  |  | | Public awareness on national policies on DRR to be conducted | NDMC, UNDP, MRC, MMS, MoE, MoHE | since DRR has not been integrated into key sector policies, this activity has not been initiated |
| Ach |  |  |  |  | |  |
| 7) Establishment of national DRR platform, (P1 S4) | Output | Event | All relevant documents prepared (2008) | Target | working group consultations | working group consultations | Operational Plan shared with key stakeholders. And Platform to be established by end of 2011 | Multi-sectoral platform operational | |  | NDMC | Specify targets and achievements for all years. |
| Ach |  |  |  |  | |  |
| 2. National early warning system for safety and security of Maldivians through information, monitoring, dissemination and coordination (P2) | 1. Risk & vulnerability information are available to all levels. (P2 S1) | Outcome |  | 1986 | Target |  |  |  |  | | Establishment of major hazard weather monitoring system in target islands (popl. Above 1000)  Risk and vulnerability assessment to be done on revising the 2006 DPRPM | MMS, NDMC, UNDP, MRC | Specify targets and achievements for all years.  State Indicator, Unit of Measure & baseline.  Identify lead agency. |
| Ach | Seismological monitoring network established |  |  |  | |  |
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| (i) vulnerability mapped in targetislands (P2 S1) | output | No. of islands mapped | 2006 Risk profile of Maldives developed | Target |  |  |  | Detailed island risk assessment done in 11 target islands complete  Disaster risk information database revised and re-established |  | | NDMC, UNDP, MMS, MoHE, MRC, MoHF, NGO’s | Disaggregated data collection emphasized.  Social and institutional impact of hazards to be integrated into all vulnerablity mapping and data collection |
| Ach | Community Based disaster preparedness planning done in 37 islands (7 atolls) by UNDP.  CBDRR done in 4 islands by Care Society. | Cost Benefit Analysis of risk mitigation measures in 3 islands developed |  |  |  | |
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|  | 3. National multi hazard early warning system enhanced to monitor, archive and disseminate data on key hazards and vulnerabilities. (P2 S3) | Output | |  | Before 2008 issuing forcasts & Early Warning began | Target | SOP Formulation | SOP Formulation | 1 automatic weather stations established | End-to-End early warning system enhanced | | portalto disseminate information | MMS, NDMC, UNDP, NGos | Specify targets and achievements for 2011, 2012, 2013.  State Unit of measure.  Identify Lead agency.  Hazard monitoring done through this indicator |
| Ach | 17 draft Early Warning SOPs developed for 17 agencies(for different sectors)  8 automatic weather stations established | 1 automatic weather stations established | 1 automatic weather stations established |  | |  |  |
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| (ii) |  | |  |  | Target |  |  |  |  | |  | MMS, UNDP, NDMC | Specify targets and achievements for all years.  State Indicator, Unit of measure & baseline. |
| Ach |  |  |  |  | |  |
| 4. Trans boundary Risk assessments performed (P2 S4) | Output | | Case by case assessment | Risk assessment done on identified cases | Target | No incident | No incident | Tsunami in Japan |  | |  | MMS, NDMC | Specify targets and achievements for 2012 & 201S. |
| Ach |  |  |  |  | |  |
| 3. Culture of safety and resilience built at all levels in the country through innovation, knowledge and education | 1. Natural hazards information made available to the public. | |  |  |  |  |  |  |  |  | |  |  |  |
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|  | 1. Establishment of GIS. | Output |  |  | Target |  |  |  |  |  | NDMC, UNDP,MHE, MMS |  |
| Ach |  |  |  |  |  |  |
| 1. Increased networks to educate the public on DR/CC resilience | Outcome | No. of advocacy and awareness initiatives | 2005 – 2009 (after tsunami recover programmes) | Target | Rakkaa Campaign lauched |  | National endorsement of Rakka campaign Social Marketing Plan.  MRC CBDRR project  ToT workshop on Rights-based approach to disaster recovery (UNDP, HRCM) | MRC CBDRR project | MRC CBDRR project | NDMC, UNDP, MRC, MMS, MoE, MoHE, HRCM |  |
| Ach | Rakkaa Campaign launched | Rakka campaign, social marketing materials launched.  MRC CBDRR programme launched |  |  |  |  |

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|  | 2. Integration of DRR concepts & practices in the National Curriculum. |  |  |  | Target |  |  |  |  | |  |  |
| Ach |  |  |  |  | |  |  |
| 1. Incorporation of DRR & CCA in the National Curriculum. | Output | Event |  | Target | DRR books for teachers and students drafted and published |  | Development diploma course on DRR for in-search teachers (WHO, MoE, MHF) | Draft DRR books for teachers and students revised and published  Using the DRR materials developed, educational curriculum rebvised | | DRR integrated into curriculum of Faculty of Arts (NUM) | MoE, NDMC, MoHF, WHO |
| Ach |  | DRR books for teachers and students drafted |  |  | |  |
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| 3 Strengthened research approaches to risk assessments & analysis. |  |  |  |  |  |  |  |  |  | |  |
| (i) National climate change research strategy developed | event | Event | 2010 | Target |  |  | National Climate Change Research Strategy, formulated |  |  | | MHE,UNDP |
| Ach |  |  | National Climate Change Research Strategy, formulated |  |  | |

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| 4. Underlying risks to life and property from natural or man-made hazardous events reduced | 1. DRR measures are integrated into all Environmental Policies and plans. | Outcome | No. of Policies |  | Target |  |  | developed  National Building Act developed  Revision of Environment Act done  Statistical down-scalling of climate scenarios for the country | Statistical down-scalling of climate scenarios for the country |  | NDMC, MHE, UNDP |  |
| Ach |  | National building codes revised with DRR integrated | Climate change research strategy deveoped |  |  |  |
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| 2. Development of policies to address populations most at risk | Output | No. | 2009 | Target |  |  |  |  |  | MoHF |  |
| Ach |  | Disability Act ratified |  |  |  |  |
| 3. Integration of DRR in the economic & productive sector policies. | Output | Event |  | Target |  |  |  |  | By 2014 climate risk insurance options identified and made available | MED, UNDP, MHE, MTAC | Relevant to Provide information on hazards and zones (climate and geophysical) to investors.  Relevant to plan to reduce risks from regional climate/gepphysical hazards such as threats to food security. |
| Ach |  |  |  |  |  |
| 1. Adaptation measures for climate change and disaster mitigation for the tourism industry identified and enforced (SAP: Tourism, Policy 4, Stat 1) | outcome |  | no. of activities | Target |  |  |  | Project on integrating climate change adapational measures into Tourism laws and regulations initiated |  | MTAC, UNDP, MHE |  |
| Ach |  |  | Project on integrating climate change adapational measures into Tourism laws and regulations developed |  |  |  |

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|  | 4. Integration of DRR in the post disaster recovery and rehabilitation. |  |  | 2005 tsunami (2004) lessons learned documents developed | Target |  |  | ToT workshopson Rights based approach to disaster recovery to be conducted by UNDP and HRCM | ToT workshopson Rights based approach to disaster recovery to be conducted by UNDP and HRCM |  | UNDP, MHE, HRCM |  |
| Ach |  | National building codes |  |  |  |  |
| 5. Disaster impact assessment to major infrastructure projects. | output | Regulations done/no. of assessments | 2010 | Target |  |  |  |  |  | MHE |  |
| Ach |  | EIA process revised to include DRR aspects |  |  |  |  |
| 5. Disaster preparedness strengthened fro effective response at all levels | 1. Strengthening technical and institutional capacities for disaster management. |  |  |  | Target |  |  |  |  |  | NDMC |  |
| Ach |  |  |  |  |  |  |
| (a) DRR integrated into the National Building Codes | Output | Event |  | Target |  | building codes reviewed |  |  |  | UNDP, MHE |  |
| Ach |  | building codes reviewed |  |  |  |  |
| 2 Establishment of Disaster Preparedness Plans and Contingency Plans at all levels. | Output | No. |  | Target |  |  |  |  |  |  |  |
| Ach |  |  |  |  |  |  |
| 3 Allocation of financial reserves & contingency budget for immediate response and relief efforts. | Output | Event |  |  |  |  |  |  |  |  |  |
| 4 Establishment of procedures for exchange of information during disasters. | Outcome | Event |  | Target |  |  |  |  |  |  |  |
| Ach |  |  |  |  |  |  |
| 6. Disaster risk reduction integrated in climate change adaptation and vice versa | 1. Pilot Projects developed for involving integration of DRR and CCA stakeholders | Output | No. |  | Target |  |  |  |  |  |  |  |
| Ach |  |  |  |  |  |  |
|  | 4. Integration of DRR in the post disaster recovery and rehabilitation. |  |  |  | Target |  |  |  |  |  |  |  |
| Ach |  |  |  |  |  |  |
| 5. Disaster impact assessment to major infrastructure projects. |  |  |  | Target |  |  |  |  |  |  |  |
| Ach |  |  |  |  |  |  |
| 5. Disaster preparedness strengthened for effective response at all levels | 1. Strengthening technical and institutional capacities for disaster management. | outcome | No. of trainings/no.of regulations | 2005 | Target |  |  | 20 trainings by ADPC |  |  | NDMC |  |
| Ach | 15 trainings for ADPC | 15 trainings for ADPC | 1 training on agro-meteorology by SSCTF |  |  |  |
|  |  |  |  | Target |  |  |  |  |  |  |  |
| Ach |  |  |  |  |  |  |
| 2 Establishment of Disaster Preparedness Plans and Contingency Plans at all levels. | Output | No. | 2005 | Target |  |  | Health contingency plans to developed based on existing CBDPPs done | CBDPP’s to in be done in 6 islands (6 atolls) MRC | CBDPP’s to be done in target atolls in the Maldives, UNDP. | UNDP, MRC, MoE, Care Society |  |
| Ach | School emergency operations plan/guideline developed | CBDPP’s done in 37 islands (7 atolls)  SEOP compliant drilols conducted in target schools in south region by MoE.  SEOP compliant drills conducted in 9 islands by MoE and Care Society. |  |  |  |  |
| 3 Allocation of financial reserves & contingency budget for immediate response and relief efforts. | Output |  | 2005, Tsunami Response and Relief Fund (international aid after tsunami) | target |  |  |  |  |  | NDMC, MoFT | an allocation for Disaster response and relief in the national budget since 2005.  Fund to address disasters from Sea swells established in 2007. |
| ach |  |  |  |  |  |
| 4 Establishment of procedures for exchange of information during disasters. | Outcome | Event | 2005, MMS SOP | Target |  |  |  |  |  | MMS, NDMC, UNDP, MRC, MoHF, MoE, CAM |  |
| Ach | End to end early warning system SOP’s developed 17 agencies developed |  |  |  |  |  |
| 6. Disaster risk reduction integrated in climate change adaptation and vice versa | pilot projects developed to integrated DRR and CCA | Output | No. |  | Target |  |  |  | Project to integrate climate change adaptatiion measures into tourism sector laws and regulations |  | UNDP, MHE, MRC |  |
| Ach | Rakka camapaign  Climate Risk management project with RIMES and UNDP | MRC’s CBDRR project.  ICCR project under MHE |  |  |  |  |