

**Table 1. Monitoring & Evaluation Matrix**  
July – December 2002

**Asian Urban Disaster Mitigation Program (AUDMP)**

<b>Performance Indicators</b>	<b>Baseline</b>	<b>Life of Program Target</b>	<b>Current Half- Year (Actual)</b>	<b>Achievement To-Date</b>	<b>Comment on Progress</b>
PROGRAM OBJECTIVE No. 1: Establishment of sustainable public and private sector mechanisms for disaster mitigation in Asia					
Indicator No. 1: No. of operational plans developed with resources identified by national collaborating institutions to carry out mitigation measures after demonstration activities end	0	10 plans	0	8	<p>Bangladesh: Disaster Mitigation Plans for (1) Gaibandha and (2) Tongi MC areas</p> <p>India: Ahmedabad UDM Plan in pipeline</p> <p>Indonesia: (3) 1 Action Plan completed in Bandung in Apr 99 in collaboration with RADIUS</p> <p>IUDMP to establish Center for Research on Disaster Prevention and Mitigation at ITB (2002)</p> <p>Lao PDR: Vientiane UDM Plan in pipeline</p> <p>Nepal: (4) DMC of Ward No.34 of Kathmandu Municipality prepared a plan for ward level disaster reduction Apr-Jun 2000 quarter</p> <p>(5) 1 Kathmandu Valley's Earthquake Risk Management Action Plan completed in Dec 98</p>

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			<p>Philippines: (6) 1 Naga City Disaster Mitigation Plan in the Philippines Jul-Sep 2000 quarter</p> <p>Sri Lanka: 2 Action Plans completed - (7) in Ratnapura, in Sep 98 &amp; (8) in Nawalapitiya in Mar 99.</p> <p>Nawalapitiya received a 100% increase in budget allocation of the amount SLR200,000 for DM for Y2001</p> <p>In replication phase, SLUMDMP integrating Kelani Disaster Mitigation Action Plan into the National Program of Clean Rivers implemented by the Ministry of Forestry and Environment. Development of Disaster Mitigation Steering Committees (see MAH Jul/Aug 2001)</p> <p>Thailand: Hat Yai UDM Plan in pipeline</p>
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<p>Indicator No. 2: No. of replications or adaptations of mitigation skills and procedures promoted in AUDMP demonstration activities by other organizations, communities, or countries in Asia</p>	<p>0</p>	<p>25 replications or adaptations</p>	<p>0</p>	<p>16</p>	<p>In Bangladesh: (1) Design of BUDMP based on lessons learned from the CBFMP. Plan to replicate BUDMP in 5 municipalities, namely Bhuapur, Shahzadpur, Goalanda, Dohar, and Bhairab. The replication proposal is being finalized</p> <p>In Cambodia: (2) AAH signed MOU with CRC to train RCVs in Thong Khuom District of Kampong Cham; (3) Jul-Sep 2000 quarter DIPECHO approved IFRC's proposal to expand CBDP under CBFMP. (4) Activities of CBFMP is being institutionalized in CRC</p> <p>In Indonesia: (5) Received US\$10,000 from UNCRD for EQ safe schools in Bengkulu Jul-Sep 2000 quarter. (6) Rapid risk assessment methodology replicated in Bengkulu, Denpasar, Palu and Manado during Jul-Dec 2001 and completed in Jul 2002. (7) As of Oct 2001, Ministry of National Education replicates SES TOT to other regions (2 training courses were implemented in Sep and Oct 2002) with funds from UNICEF</p> <p>In Nepal: (8) the replication cities of Pokhara, Byas, and Banepa Municipalities have agreed to work with NSET on EQ Risk Management Planning. Workshop to officially launch EQ reduction activities in</p>

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			<p>Dharan was held on 27 November 2000</p> <p>(9) The Ministry of Home implemented a 2 year project on EQ Risk Reduction in KV with assistance from JICA in 2001/2002</p> <p>(10) Replication of school retrofitting and reconstruction as part of the SES Program – 4 schools completed for ESD2001</p> <p>(11) Gorakha replicates SESP; (12) Books for Nepal replicates SESP (13) ESD 2002 hosted by Lalitpur Sub-Metropolitan City, ESD 2003 planned to be hosted by Bhaktapur</p> <p>In Sri Lanka: (14) Course on construction in disaster prone areas institutionalized at the Ministry of Local Government and Provincial Councils; (15) NIE institutionalize school teachers training on DM; (16) Disaster Safety Day in Ratnapura on 6 April 2001 and 16 March 2003 replicating Nepal's Earthquake Safety Day</p>
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Performance Indicators	Baseline	Life of Program Target	Current Half-Year (Actual)	Achievement To-Date	Comment on Progress
<p>Indicator No. 3: Amount of investment from non-AUDMP funding sources attracted by program and demonstration activities</p>	<p>US\$4,348,494  Cumulative expenditure up to Dec 2002</p>	<p>Additional 5% in excess of required 15% committed by ADPC and project partner institutions, from local, reg'l or int'l sources, against total expenditure under AUDMP</p>		<p>From ADPC &amp; 9 country project partners: TAC: US\$1,128,018 (26%)  (Total Actual Contributions from ADPC and country project partners against cumulative expenditure up to the end of the reporting period)</p>	<p>ADPC (since Feb 97) Contributions to Bali Workshop US\$43,653 Total Actual Ctrbn (TAC): US\$141,771  Bangladesh Total Planned Ctrbn (TPC): US\$54,992 (26%) TAC: US\$50,544 (24%)  Cambodia (inc. rep. phase) Received funding from DIPECHO for CBFMP activities TPC: 18,750+10,915=US\$29,665 (41%) TAC: 19,491.13+1,200=US\$20,691.13 (29%)  India TPC: US\$76,930 (79%) TAC: Rs.2,665,940 = US\$53,318.80 (70%)  Indonesia IUDMP received funding from IDNDR Radius Project (US\$20,000) and UNESCO Project; and US\$10,000 from UNCRD; MoE contributed to first batch of participants for ToT training; Local government sponsored participants to national LLW during Jul-Dec 2001; UNICEF contributed US\$29,000 for ToT training. TPC: US\$62,013 (19%) TAC: US\$114,440 (35%)</p>

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					<p>Lao PDR                  TPC: US\$12,125 (40%)                  TAC: US\$10,820 (36%)</p> <p>Nepal                  GHI committed US\$45,000 for the implementation of SES Program; UNCRD committed US\$15,000 for developing a system of mason/teachers training; OFDA intends to provide an institutional support grant of US\$450,000 for 3 years to NSET; Funds for training by OFDA, UNDP, WHO, SEARO; Funds from UNESCO to develop school construction manual; Funds from JICA to replicate SESP                  TPC:US\$276,294 (81%)                  TAC: US\$289,225 (84%)</p> <p>Philippines                  TPC: US\$125,000 (77%)                  TAC: US\$119,800 (74%)</p> <p>Sri Lanka                  From UNDP to NBRO for mapping Rs.346,000; for printing school books US\$36,000; R&amp;D Workshop Rs.500,000; From ITDG for printing construction guidelines Rs.100,000; Rain-induced Earth Failures Rs.75,000; NIE Rs.955,000; Ins. Corp. for Teledrama Rs.64,000; Land Use Training by NBRO Rs.150,000; Trainer Training (CBDM-4) Rs.257,449.71 (2 participants); Awarded APMN's grants for activities in SLUMDMP US\$2,900; For NDM-2, ITDG contributed Rs.450,000; Funds from ADB, NDM-4 Govt. contributed                  TPC: US\$118,291 (38%)                  TAC: US\$312,197 (99%)</p>
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Performance Indicators	Baseline	Life of Program Target	Current Half- Year (Actual)	Achievement To-Date	Comment on Progress
Indicator No. 4: Number of households potentially benefiting from AUDMP-sponsored activities to reduce disaster vulnerability	0	100%	1,600	29,791	5496 households of 15 communities received benefit from CBFMP, Cambodia  <u>Lao PDR estimated that 1,600 households in 8 communities has benefited</u>  1500 reported by IUDMP through their public education campaign + workshops in schools  Sri Lanka estimated that 50% (21195) of the population of the Ratnapura MC area has benefited  <del>Lao PDR estimated that 1,600 households in 8 communities has benefited</del>

Performance Indicators	Baseline	Life of Program Target	Current Half- Year (Actual)	Achievement To-Date	Comment on Progress
Result No. 1	Improved capacity of municipal officials to manage risk and apply mitigation skills and technologies				
Indicator No. 1.1: No. of new or improved assessment methods and guidelines/standards used for public and private sector development	0	10 new or improved methods, standards or guidelines	2	19	<p>In Bangladesh: (1) City-level community-based risk assessment methodology developed by BUDMP. Ward level flood maps integrated into municipal-level map during Jan-June 2001</p> <p>In Indonesia: (2) Standard Operating Procedure of SATLAK PB improved Oct-Dec 1999 quarter; (3) Technical guideline on building regulation; (4) Guideline (leaflets and booklets) on earthquake resistant simple building planning and construction, both developed Jan-Mar 2000 quarter; (5) Bandung Earthquake Scenario; (6) Rapid risk assessment method consolidated and replicated; (7) 3 manuals for SES training for teachers, both during Jul-Dec 2001</p> <p>In Lao PDR, (8) Created fire risk maps for Vientiane – methodology will be replicated in 2 other cities (9) Produced community fire risk map in Oct 2002. Plan to establish Fire Code and improve standard operating procedures at Fire Brigade</p> <p>In Nepal: (10) School Earthquake Safety Manual in 1999; (11) KV Earthquake Scenario; (12) Projection of Education Buildings Against Eqs:</p>

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			<p>A Manual for Designers and Builders, January 2002</p> <p>In Ratnapura, Sri Lanka: (13) rapid assessment method developed by NBRO in Phase 1 (14) building regulations revised to include disaster impact; (15) construction guidelines in disaster-prone areas completed; (16) planning guidelines for use in disaster prone areas; (17) procedures developed for risk based mitigation planning approach; (18) risk control planning workbooks developed for integration of natural hazards into the planning process (19) procedures for integration of hazard maps promoted and training provided to UDA planners in 3 cities, all by March 1999.</p> <p>In the replication phase, there are plans to improve guidelines for construction in disaster prone areas and adoption of legal provisions to make the guidelines mandatory; create flood mapping models of CMC; &amp; develop a handbook for school teachers on natural disaster aspects for projects &amp; assignments. Also in process of incorporating guidelines for housing in natural disaster prone areas in the Environmental Guidelines for the Housing Sector developed by the Ministry of Housing and Plantation Infrastructure and the Ministry of Environment and Natural Resources</p> <p>In Thailand: In process of flood risk assessment in Hat Yai</p>
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Performance Indicators	Baseline	Life of Program Target	Current Half- Year (Actual)	Achievement To-Date	Comment on Progress
<p>Indicator No. 1.2: No. of emergency preparedness and response plans written or revised to reflect improved information on hazards and vulnerability</p>	0	8 plans written or revised	0	5	<p>Bangladesh: Contingency Plan developed for (1) Gaibandha and (2) Tongi during Jan-June 2001 approved by MDMC Both plans revised bw Jan-June 2002</p> <p>Indonesia: (3) Bandung Emergency Response Plan completed Jan-Mar 2000 quarter</p> <p>Nepal: Nepal Telecommunications Corporation (NTC) has expressed interest in working with NSET to develop an Emergency Response System for NTC</p> <p>Nepal: NSET will be working with NZ volunteers and Bir Hospital to develop emergency response system for Bir Hospital starting from Oct. 2000</p> <p>Nepal: A guideline for emergency response planning for schools in KV, Nepal will be prepared. Pilot plans will be prepared for 3-4 schools</p> <p>Sri Lanka: (4) Ratnapura EMRP was completed in the Jan-March 1999 quarter; and enacted at Provincial Council level; (5) EMRP for CMC completed during Jul-Dec 2001</p>

Performance Indicators	Baseline	Life of Program Target	Current Half-Year (Actual)	Achievement To-Date	Comment on Progress
<p>Result No. 2 Improved access to hazard mitigation information and skills (e.g. techniques, methodologies, experience) through the region</p>					
<p>Indicator No. 2. 1: Percent of public and private sector professionals with AUDMP-initiated disaster mitigation training who are employed and using the knowledge gained in fields impacting disaster management or urban development</p>	<p>0</p>	<p>75% of all trainees  (Goal: 112 out of approx. 150 trainees over LOP)</p>		<p>Average 95%</p>	<p><b>Regional training courses</b></p> <p>UDM-1 held Oct. '97 – 22 trained UDM-2 held May '99 – 32 trained TRMC held Nov '98 – 22 trained UFM-1 held Sep '00 – 29 trained UFM-2 held Sep '01 – 28 trained EVRC-1 held May '02 – 25 trained EVRC-2 held Nov '02 – FRM-3 held Sep '02 – 17 trained</p> <p>Planned regional courses include: FRM-4 &amp; 5, EVRC 3, DRC-1</p> <p>FRM-4&amp;5 planned Jan '03 in Philippines EVRC-3 planned June '03 in B'desh in collab with BRAC DRC-1 planned mid '03 in Thailand</p> <p><b>National training courses</b></p> <p>In Bangladesh, foundation course conducted in October 2000 for BUDMP staff and PNGOs; 60 volunteers trained to carry out BUDMP activities; training for municipal disaster management committee members; SIC training – 279 trained (100%)</p> <p>In Cambodia, 84 Red Cross</p>

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			<p>Volunteers (RCV) were trained in Phase I and 75 RCV in Phase II. Total: 159 (100%)</p> <p>In Indonesia, 45 staff of City Government of Bandung and 25 journalists were trained in disaster-related issues. Total: 70 (100%); In Bengkulu, 46 attended the training program on earthquake resistant building in September 2000; 60 teachers trained in SES in October 2001</p> <p>2 ToT courses under the Earthquake Preparedness Program for Schools were conducted and 60 participants from school community were trained for each course</p> <p>In Lao PDR, UDM-1 in March 2000 (29 trained), UDM-2 in July 2000 (21 trained), UDM-3 in Dec 2002 (25 trained)</p> <p>In Philippines, plan to conduct the pilot course on UDM 1&amp; 2 in March and May '03 respectively</p> <p>In Nepal 724 professionals are trained and currently active in risk reduction activities (100%) UDM-1 (30 trained)</p> <p>In Sri Lanka for CHPB's NDM -1 (28 trained), NDM-2 (22 trained) NDM-3 (16 trained); NDM -4 (19 trained); for SLIDA's NDM-1 (34 trained); CBDM-1 in Oct 2001 (21 trained); NDM-5 planned for Jan 2003 and CBDM-2 in Tamil planned for May 2002; 19 profs. from NBRO, CHPB, NDMC,</p>
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				<p>UDA, RMC, Nawalapitiya UC, CMC trained in UDM, TRMC, CBDM &amp; DMC;</p> <p>65% (Kandy MC staff could not be trained due to delay in selection of the Council for the project as a replicating city)</p> <p>160 personnel trained on SAR operations</p> <p>100 craftsmen trained on counter disaster measures (CDM)</p> <p>UDM for Thailand and Lao PDR partners, 6-10 August 2001 in Bangkok (17 trained)</p>
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<p>Indicator No. 2.2: No. of institutions where AUDMP-initiated training and professional development course modules are institutionalized</p>	<p>0</p>	<p>12 institutions; courses should be offered for at least 3 years following program completion</p>	<p>2</p>	<p>11</p>	<p>In Bangladesh, (1) BRAC will jointly organize EVRC-3 in June '03 CARE Bangladesh, BARD and BRAC have been identified as potential NPTIs. Discussions ongoing</p> <p>In Cambodia, CBFMP training is institutionalized in (2) CRC and partner institutions</p> <p>In India, (3) HSMI, New Delhi, conducted UDM1 in February 2000 and UDM2 in February 2001 with NSC</p> <p>In Indonesia, proposal for UDM training is prepared by ITB</p> <p>Institutionalize of SES TOT in Ministry of National Education</p> <p>In Lao PDR, (4) URI and (5) NDMO identified as potential NPTI for training on UDM and Risk Based Mitigation Planning</p> <p>In Nepal, the NPTIs are (6) NSET and (7) IOE. National UDM-1 conducted in May 2001. EVRC conducted in May 2002; DM as an elective course is being initiated at Masters level at Pokhara University. Training on building code will be established in the Pulchowk Campus of the Institute of Engineering. Training progs on CBDM will continue</p>

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				<p>in other wards of KV</p> <p>In Philippines, new NPTI identified – DAP – in Jul-Sep 2000 quarter. MOU and contract being finalized UDM 1 &amp; 2 planned for March and May '03</p> <p>In Sri Lanka, the NPTIs are - SLIDA and the CHPB; OUSL and LGMU</p> <p>(8) CHPB conducted NDM-1 to 5 and CBDM-1; (9) SLIDA conducted NDM-1 in November 2000; (10) Moratuwa University integrates UDM; (11) Ruhuna University integrates UDM</p> <p>ADPC held workshop on integration of UDM in study courses of selected universities on 1-2 July 2002</p>
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<p>Indicator No. 2.3: Level of participation in the AUDMP regional information and contact network established during the Program</p>	<p>Baseline = 8; Yr1. (Oct'96) = 33</p>	<p>30% annual increase in participation; 1st year goal of 25 organizations Yr 2 – 33 orgs Yr 3 – 43 orgs Yr 4 – 56 orgs Yr 5 – 73 orgs Yr 6 – 95 orgs Yr 7 – 124 orgs Yr 8 – 161 orgs</p>		<p>5 regional networks  209 organizations  1,760 individuals</p>	<p>Regional networks: ASC and Co-organization of RLLW 2002 with CITYNET, UNDP's TUGI and UNISDR</p> <p>Links with other regional networks: World Bank Consortium</p> <p>approx. 100 organizations in AUDMP profile of partners</p> <p>Asian Urban Disaster Mitigation Network (AUDMiN) established at 6<sup>th</sup> WGM, March 2001</p> <p>ADPC library online – dissemination of monthly highlights, working papers, Safer Cities case studies and VCDs. Electronic newsletter is planned for 2003.</p> <p>In Bangladesh, BUDMP with NIRAPAD publish quarterly bulletin on DM starting July 2001.</p> <p>7 in Cambodia, two network members include AHH &amp; Concern In Jan-Mar 2000 quarter five new members are supporting CBFMP activities: Oxfam, CWS, American Red Cross, Inner CHANGE &amp; NAS</p> <p>In Indonesia, network media for communication and dissemination is established: <a href="http://www.kompak.or.id">http://www.kompak.or.id</a> 20 organizations actively participate</p>

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			<p>In Lao PDR, 60 people and 15 organizations participated LUDMP network through Stakeholder W/S, Fire Prevention Planning W/S and UDM course A project website is planned to be launched in 2<sup>nd</sup> Q of 2003</p> <p>In Nepal, 17 institutions have incorporated EQ risk reduction as a permanent or significant part of their operation as a result of the project; Launch of NSET's website in March 2000: <a href="http://www.nset.org.np">http://www.nset.org.np</a></p> <p>In Nepal, ADPC-NSET online library database link in September 2001</p> <p>In Sri Lanka, 119 people and 49 organizations participated SLUMDMP network through Policy W/S, Training Appreciation Seminar, NDM courses and other programs; CHPB &amp;NBRO website launched in September 2000: <a href="http://www.chpb.gov.lk">http://www.chpb.gov.lk</a> <a href="http://www.nbro.gov.lk">http://www.nbro.gov.lk</a></p>
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Result No. 3 Improved policy environment for disaster mitigation					
Indicator No. 3.1: No. of policies established or revised to facilitate action, regulation, enforcement and/or incentives	0	4 national or regional policies	0	2	<p>In Bangladesh, Disaster Management Committees in Tongi and Gaibandha MC areas reactivated</p> <p>In Indonesia, government organizations agreed to adopt the National Policy for UDM in Indonesia at the National Workshop held on 14 February 2001 in Jakarta</p> <p>Nepal Government's endorsement of Nepal Earthquake Safety Day (ESD). ESD National Committee created to organize programs on ESD annually.</p> <p>In Sri Lanka, 3 existing National Policies (Land Use Policy Action Plan, Environment Policy Action Plan and Urban Sector Development Action Plan) have been reviewed &amp; presented at the Policy Review W/S on July 1999.</p> <p>Sri Lanka: Act was passed in Aug 2000 to establish National Physical Planning Council with separate DM unit</p> <p>Natural Disaster Mitigation aspects are being integrated in the National Land Use Policy published by the Ministry of Lands</p>