

## ANNUAL PROJECT REPORT 2010

**Project:** Integrating Disaster Risk Reduction and Climate Change Adaptation in Local Development Planning and Decision-making Processes (Project ID: 00057456/00070998)

**Period covered:** January – December 2010

This *Annual Project Report (APR)* covers the accomplishments of the project “Integrating Disaster Risk Reduction and Climate Change Adaptation in Local Development Planning and Decision-making Processes” for the period of January to December 2010. The project document was signed by the parties on 22 July 2009. Project implementation will run for three years with a total budget of Aus\$ 2.5 Million.

### 1.0 PROJECT PERFORMANCE

#### 1.1 Contribution to the SRF Goal

| Outcome  | Update on Outcome   |
|--|---|
| <p>Key stakeholders are better able to manage environment and natural resources, develop and use sustainable energy sources, cope with the impacts of environmental emergencies and maintain sustainable development<br/>(<i>Expected CP Outcome</i>)</p> <p>Outcome 1. Local level land use &amp; development planning and decision-making processes to reflect CCA/DRR priorities in an integrated fashion.</p> <p>Outcome 2. Enhanced multi-stakeholder cooperation in addressing climate change &amp; disaster risk reduction in an integrated manner.</p> | <p>The <i>expected CP outcome</i>, as contained in the project document, continued to be applicable and relevant.</p> <p>Based on the <i>project document</i>, the two outcomes are to be achieved through five major outputs. The five outputs are operationalized using twelve (12) deliverables:</p> <ol style="list-style-type: none"> <li>1. Conduct of orientation and production of IEC materials</li> <li>2. Conduct of capability building activities</li> <li>3. Integrated DRR/CCA Methodology</li> <li>4. Tools and Methodologies for Mainstreaming DRR/CCA in Investment Programming, Project Design and Monitoring</li> <li>5. Handbook on Integrated Data Management for DRR/CCA-enhanced Planning</li> <li>6. Reference Manual on Mainstreaming DRR/CCA in Comprehensive Land Use Plans of Cities and Municipalities</li> <li>7. Disaster Risk Assessment (Vulnerability Assessment) for 10 Pilot Areas Undertaken</li> </ol> |

| Outcome | Update on Outcome   |
|---------|---|
|         | 8. Land Use/Physical Framework Plans of 10 Pilot Areas with Integrated DRR/CCA Measures<br>9. Adaptation Strategies in Local communities Documented<br>10. Exemplar for Adaptation Strategies (KM Product)<br>11. National Climate Change Action Plan<br>12. Multi-stakeholder mechanism for CC<br><br>The linkages between outcomes, outputs and deliverables are shown in the Outcomes-Outputs-Deliverables Matrix below. |

### Outcomes-Outputs-Deliverables Matrix

| <b>CP Outcome:</b> Key stakeholder are better able to manage environment and natural resources, develop and use sustainable energy sources, cope with the impacts of environmental emergencies and maintain sustainable development |  |   |
|---|--|---|
| Project Outcomes  | Project Outputs  | Project Deliverables  |
| Local level land use & development planning and decision-making processes to reflect CCA/DRR priorities in an integrated fashion.   | Local government and other stakeholders' awareness, understanding of and competencies on climate change are enhanced   | 1. IEC/Advocacy<br>2. Capability building activities  |
|   | CCA/DRR concerns are incorporated in the land use and development plans of the target provinces/municipalities/ cities | 3. Integrated methodology for DRR/CCA mainstreaming in land use/physical framework plans<br>4. Supplemental Guidelines on Mainstreaming DRR/CCA into land use/physical framework plans<br>5. Handbook on Establishing, Managing and Maintaining DR/CR data system<br>6. Reference Manual on Mainstreaming DRR/CCA in CLUP<br>7. 10 Vulnerability assessment reports<br>8. 10 DRR/CCA-enhanced plans |
|   | Practical strategies for climate change adaptation/DRR are demonstrated at the sub-national/local level.               | 9. DRR/CCA strategies documented in 10 pilot communities<br>10. KM Product  |
| Enhanced multi-stakeholder cooperation in addressing climate change & disaster risk reduction in an integrated manner   | Policy/programme instruments for enhanced multi-stakeholder cooperation to address climate change developed            | 11. National Climate Change Action Plan   |
|   | Mechanisms for multi-stakeholder cooperation on climate change at national and local levels strengthened               | 12. Multi-stakeholder mechanisms  |

| SRF Goal  |                         | SRF Sub Goal  |   | Strategic Area of Support                       |   |                                     |
|---|-------------------------|---|---|---|---|-------------------------------------|
| Outcome   | Update on Outcome       | Annual Outputs (Deliverables)   | Update on Outputs   | Reasons if progress below target                | Update on partnership strategies  | Recommendations and proposed action |
| <p><b>Outcome 1:</b> Local level land use and development planning and decision-making processes reflect CCA/DRR priorities in an integrated manner</p> | <p><i>No change</i></p> | <p><b>Output 1:</b> Local government and other stakeholders' awareness, understanding of and competencies on integrated disaster risk reduction and climate change adaptation are enhanced.</p> <p>1. Conduct of orientation and production of IEC materials</p> <ul style="list-style-type: none"> <li>- 200 LCEs and functionaries</li> <li>- 50 local planners</li> <li>- 50 academicians</li> <li>- 50 community leaders</li> </ul> | <p><b>Continuing.</b> This deliverable is intended to enhance DRR/CCA awareness in 350 pax in pilot provinces. Numerically, this target had been achieved with the conduct of the regional launchings by the NROs in 2009. As a reinforcement strategy, another round of orientation will be targeting the newly elected LCEs and newly constituted RDCs. In addition, orientation will also be undertaken for the various leagues.</p> <p>The NROs have been identified to lead awareness raising and technical assistance to LGUs, being their direct clients in development planning. This is in line with the regionalized implementation of the project.</p> <p>This approach is embodied in a <i>Regional Implementation Plan</i> which delineates various components and corresponding activities to produce DRR/CCA-enhanced PDPFPs (<i>see related</i></p> | <p>Target activities for the year were met.</p> | <p>The <i>Regional Implementation Plan</i> segregated the various steps for the preparation of DRR/CCA-enhanced PDPFPs into 5 components. NROs will implement the components in sequential order.</p> <p>The MOA for collaboration between the IP (RDCCS) and the NROs as regional partners have been prepared and signed by 6 out of 15 NROs.</p> <p>The Supplemental MOA for implementing Component (2) which correspond to activities (a) and (b) of the deliverable is being finalized.</p> | <p><i>None</i></p>                  |

| SRF Goal |                   | SRF Sub Goal   |  | Strategic Area of Support                |                                  |                                     |
|----------|-------------------|--|--|--|----------------------------------|-------------------------------------|
| Outcome  | Update on Outcome | Annual Outputs (Deliverables)  | Update on Outputs  | Reasons if progress below target         | Update on partnership strategies | Recommendations and proposed action |
|          |                   | a. Development of information and advocacy materials <ul style="list-style-type: none"> <li>• Newsletter (quarterly)</li> <li>• Video (canned) presentation</li> <li>• Promotional and advocacy materials</li> </ul> | <i>discussions in Deliverable #7).</i> <ul style="list-style-type: none"> <li>• 1 coordination meeting with NROs conducted<sup>1</sup></li> <li>• Regional implementation plan (for technical assistance) formulated<sup>2</sup></li> </ul>  |  |                                  |                                     |
|          |                   |  | <ul style="list-style-type: none"> <li>• <i>Regionalized</i> AVP produced.<sup>3</sup></li> <li>• Canned AVP (powerpoint) prepared.<sup>4</sup></li> <li>• 7 quarterly newsletters published<sup>5</sup></li> <li>• 11 N! Online articles posted<sup>6</sup></li> <li>• Various news articles published<sup>7</sup></li> </ul> | Target activities for the year were met. |                                  | None                                |

<sup>1</sup> As follow up to meeting with NROs of November 2009, the discussions with NROs on 10 February 2010 touched on coverage, scope and methodology of extending technical assistance to provinces in the preparation of the DRR/CCA-enhanced PDPFPs. Inputs from these meetings were incorporated in the formulation of the *Regional Implementation Plan*.

<sup>2</sup> A series of planning sessions were conducted to formulate the *Regional Implementation Plan* culminating in a workplanning workshop conducted in San Jose, Mindoro on 23 – 26 February 2010. The RIP, patterned on the PLPEM approach, will serve as framework for project implementation at the regional level by providing timeline of various activities and the corresponding logistical requirements.

<sup>3</sup> 14 out of the 15 NROs have already submitted their AVPs while the NRO IV-B is in the process of finalizing its AVP. The AVP will be used by the NROs in the various regional briefing as well as advocacy campaigns on DRR/CCA.

<sup>4</sup> The *canned* presentation is designed primarily for briefing of the RDC and the provinces. It contains the project overview, discussions on the mainstreaming framework and the integrated DRR/CCA model as well as coverage/scope of technical assistance to provinces.

<sup>5</sup> The issues covered: (1) maiden issue of the *DRR+CCA Newsletter* datelined November 2009 on the national project launching held on 22 October 2009 was released in 8 January 2009 during the Project Board meeting; (2) second issue datelined February 2010 was on the various regional launchings and consultations conducted in 15 regions in November to December 2009; (3) May 2010 issue is on the adoption of the *National Framework Strategy for Climate Change*; (4) conclusion of the *Training of Trainers*, (5) participation in the PINES; (6) CRISP; and (7) issuance of AO #1 by PNoy.

<sup>6</sup> *N! Online* articles published: (1) Signing of MOA with Climate Change Commission (21 January 2010); (2) First Experts' Forum (1 February 2010); (3) Approval of 2010 AWP (5 February 2010); (4) Start of Training of Trainers (9 March 2010); (5) The field visits to pilot areas in SDN (12 May 2010); (6) Forum on Climate Change and Disaster Risk Information System for Planning in Region 2 (14 May 2010); (7) 7 July 2010 – on the completion of 6 sessions of the *Training of Trainers* in UP; (8) 26 July 2010 – on the conduct of DRR and CCA Forum by RDC – X and RDCC – X where the integrated DRR/CCA framework was presented; (9) 27 September 2010 – *DevNews* advisory of an article on the issuance of Administrative Order No. 1 by PNoy (see detailed discussions under *Deliverable #3*). The article was posted in the 26 September 2010 issue of *Business World*; (10) 50 provinces to mainstream DRR in their development plan (14 October 2010); and (11) NEDA-HLURB MOA signing (27 October 2010).

| SRF Goal |                   | SRF Sub Goal   |   | Strategic Area of Support                |   |                                     |
|----------|-------------------|--|---|--|---|-------------------------------------|
| Outcome  | Update on Outcome | Annual Outputs (Deliverables)  | Update on Outputs   | Reasons if progress below target         | Update on partnership strategies  | Recommendations and proposed action |
|          |                   | b. Conduct of orientations, briefing seminars and similar information campaigns <ul style="list-style-type: none"> <li>Advocacy fora for LCEs and other stakeholders (350 participants over 2 years)</li> <li>Attendance in activities on DRR/CCA</li> </ul> | <ul style="list-style-type: none"> <li>2 advocacy activity undertaken<sup>8</sup></li> <li>14 fora, meetings &amp; activities on DRR/CCA attended<sup>9</sup></li> <li>Exhibit (PINES) co-sponsored<sup>10</sup></li> </ul> | Target activities for the year were met. | Discussions with the leagues are ongoing on possible schedules and collaboration arrangements | None                                |

<sup>7</sup> (1) The MOA signing with Climate Change Commission was published in *Business Mirror*; (2) The start of the ToT was also posted online in the website of the University of the Philippines (Diliman); and (3) *Business World* and other newspapers reported on the issuance by PNoy of AO #1 on the adoption of the DRR guidelines.

<sup>8</sup> (1) 2010 National Convention of Local Planning and Development Coordinators of the Philippines held in Bohol 15 – 19 March 2010 with some 500 provincial, municipal and city planning and development coordinators in attendance; and (2) 2010 National Convention of the Philippine League of Local Environmental and Natural Resources Offices “*Managing Disasters and Reducing Risks from Climate Change Impacts*” conducted in Bayview Park Hotel on 22 November 2010.

<sup>9</sup> (1) Beyond 2010: Leadership for the Next Generation – A UP Academic Congress to Challenge Our Next Leaders (Session on: Disaster Risk Reduction and Climate Change Adaptation), 1 – 5 February 2010, University of the Philippines; (2) Towards a Culture of Resilience: An International Symposium on the Best Education Practices on Disaster Risk Reduction in Japan and Southeast Asia, 15 – 16 February 2010, 2nd Floor, National Engineering Center, University of the Philippines – Diliman; (3) Strengthening Climate Change in Planning Education, 1 – 5 March 2010, University of the Philippines – Diliman; (4) Engineering Resilience: Confronting Risk Beyond Adaptation, 15 – 16 March 2010, Sofitel Philippine Plaza; (5) Makati Risk-Sensitive Urban Redevelopment Planning, 15 February 2010; (6) Bohol Climate Change Summit, 30 March 2010; (7) National Consultation on Strengthening Climate Resilience (SCR) Initiative: A Climate Smart Approach to Disaster Risk Management (two-year DFID funded programme), 18 – 19 May 2010, SEAMEO Innotech, Quezon City; (8) First Regional Training Course of the RCC on Mainstreaming Disaster Risk Reduction into National Development Processes (sponsored by *Asian Disaster Preparedness Center*), 21 – 25 June 2010, Bangkok, Thailand; and (9) Regional Lesson Learning on Improving Public and Private Investment for Pro-Poor Environment and Climate Outcome (sponsored by UNDP and UNEP), 23 – 24 June 2010, Vientiane, PDR Laos; (10) the Project provided technical assistance to OXFAM in its training for provincial and local participants in the Batangas-Laguna area. Personnel from RDCS and Region IV-A served as resource persons during the said training held in PHINMA, Tagaytay City on 26 – 28 July 2010; (11) RDCS served as resource person (for the mainstreaming framework) during the GTZ-sponsored training *Geoinformatics for DRR in Rural-Urban Systems* conducted in Tacloban City on August 25 to September 3, 2010. 2 RDCS staff also attended as participants; (12) RDCS conducted an orientation on the development planning process for key staff of the Climate Change Commission/Climate Change Office on 24 September 2010; (13) Participated in the Asia-Pacific Climate Change Forum 2010 “*Mainstreaming Adaptation into Development Forum*”, 21 – 22 October 2010, Bangkok, Thailand; and (14) RDCS gave a briefing to participants of the 1<sup>st</sup> LGU Summit + 3i “*Mainstreaming Climate Change Adaptation in the Philippines*” conducted at La Piazza Hotel and Convention Center, Legazpi City, Albay on 4 – 6 November 2010.

<sup>10</sup> The Project participated in the *First Philippine International Eco Show (PINES)* held at SMX Convention Centre, Pasay City on 26 – 28 August 2010. The PINES serves to provide a common IEC strategy for all project partners of UNDP (e.g., MDGF, STREEM, READY). The activity was an opportunity for the project to inform the general public on its ongoing activities, accomplishments and future activities. The PINES was organized by the *Department of Trade and Industry (DTI)* through the *Center for International Trade Expositions and Missions (CITEM)* with the project contributing to the UNDP’s sponsorship of the event.

| SRF Goal |                   | SRF Sub Goal   |  | Strategic Area of Support                              |   |                                     |
|----------|-------------------|--|--|--|---|-------------------------------------|
| Outcome  | Update on Outcome | Annual Outputs (Deliverables)  | Update on Outputs  | Reasons if progress below target                       | Update on partnership strategies  | Recommendations and proposed action |
|          |                   | <p>2. Conduct of capability building activities</p> <ul style="list-style-type: none"> <li>- 50 local planners</li> <li>- 50 academicians</li> </ul> | <p><b>Completed.</b> The original target of 50 local planners and 50 academicians in the 10 pilot regions/provinces were exceeded. With the concept of NROs as regional focal center for project implementation, the training program covered fifteen (15) regions with approximately ten (10) participants from each region. The TOT benefited a total of 155 participants.</p> <p>The training series have been completed,</p> |  | Subsequent capability building activities will be undertaken as part of the <i>regional implementation plan</i> (under Deliverable #7). |                                     |
|          |                   | a. Capacity assessment conducted   | <ul style="list-style-type: none"> <li>• Capacity assessment of pilot areas conducted<sup>11</sup></li> </ul>  | Target activities for the year were met.               |   | None                                |
|          |                   | b. Design and conduct of Training of Trainers (ToT) for 150 participants   | <ul style="list-style-type: none"> <li>• MOA with UP-TCAGP signed (for 150 pax)<sup>12</sup></li> </ul>  | Target activities for the year were met.               | A MOA for the conduct of <i>Training of Trainers on GIS Application for Mainstreaming DRR and CCA in Subnational</i>                    | None                                |
|          |                   | c. Design of survey instrument/s   | <ul style="list-style-type: none"> <li>• Training modules for TOT prepared<sup>13</sup></li> </ul>   | <i>Female participants constituted 42% of training</i> |   |                                     |
|          |                   | d. Conduct of pre- and post-   |  |  |   |                                     |

<sup>11</sup> A survey to assess the capacity of all NROs, selected LGUs and potential regional partners was conducted. The survey focused on data and maps availability, technical capability and institutional capability for mainstreaming DRR and CCA into plans, programs and projects. Survey results served as one of the basis in the preparation of the training design for the *Training of Trainers*. These will also be the main input to the preparation of handbook on the DR/CR Information System (*Deliverable #5*).

<sup>12</sup> A Memorandum of Agreement with the *UP Training Center for Applied Geodesy and Photogrammetry (UP TCAGP)* was executed for the conduct of *ToT on GIS Application on Mainstreaming DRR and CCA into Subnational Development and Land Use Physical Framework Planning*. The program will consist of five (5) batches for a total of 150 participants.

<sup>13</sup> Covering approximately twenty (20) modules, each training batch will last for two (2) weeks of lecture and laboratory sessions as well as field work. Using the 2008 NEDA-UNDP-EU Guidelines on Mainstreaming DRR, the training is intended to provide participants with knowledge and appreciation of the importance of mainstreaming risks in development planning, the relationship of disasters and development and relevance of DRR/CCA-enhanced plans. Further, skills in analyzing hazard maps, compiling of large data and georeferencing hazards and planning data and undertaking a systematic risk assessment using geographic information systems shall be developed. Most importantly competency on incorporating risk assessment into the plan, analyzing vulnerability of affected communities and designing risk reduction measures shall be developed.

| SRF Goal |                   | SRF Sub Goal  |  | Strategic Area of Support   |   |                                     |
|----------|-------------------|---|--|---|---|-------------------------------------|
| Outcome  | Update on Outcome | Annual Outputs (Deliverables)                           | Update on Outputs  | Reasons if progress below target                                    | Update on partnership strategies  | Recommendations and proposed action |
|          |                   | training assessment                                     | <ul style="list-style-type: none"> <li>Pre- and post-training assessment tool formulated</li> <li>Training for five (5) batches covered by the MOA conducted (total of 155 participants trained)<sup>14</sup></li> </ul> | <i>beneficiaries.</i><br><br><i>Average gain in knowledge – 15%</i> | <i>Development Plans</i> was signed with the <i>UP Training Center for Applied Geodesy and Photogrammetry (UP TCAGP)</i> was signed<br><br>As the <i>prerequisite</i> capability building exercise, the TOT focused on the DRR Guidelines methodology and techniques. The training series have been completed, subsequent capability building activities (on the integrated DRR/CCA method) will be undertaken as part of the <i>regional implementation plan</i> (under Deliverable #7). |                                     |
|          |                   | e. Participation in relevant trainings and study visits | <ul style="list-style-type: none"> <li>3 capability building activities on DRR/CCA attended (as resource person)<sup>15</sup></li> </ul>   | Target activities for the year were met.                            | These activities are undertaken as part of complementation and collaboration arrangements with other agencies or projects.  | <i>None</i>                         |

<sup>14</sup> See *Summary of Participants* at the end of this report.

<sup>15</sup> (1) the Project provided technical assistance to OXFAM in its training for provincial and local participants in the Batangas-Laguna area. Personnel from RDCS and Region IV-A served as resource persons during the said training held in PHINMA, Tagaytay City on 26 – 28 July 2010; (2) RDCS served as resource person (for the mainstreaming framework) during the GTZ-sponsored training *Geoinformatics for DRR in Rural-Urban Systems* conducted in Tacloban City on August 25 to September 3, 2010; and (3) RDCS conducted an orientation on the development planning process for key staff of the Climate Change Commission/Climate Change Office on 24 September 2010.



| SRF Goal |                   | SRF Sub Goal  |   | Strategic Area of Support                |   |                                     |
|----------|-------------------|---|---|--|---|-------------------------------------|
| Outcome  | Update on Outcome | Annual Outputs (Deliverables)   | Update on Outputs   | Reasons if progress below target         | Update on partnership strategies  | Recommendations and proposed action |
|          |                   | <p><i>Output 2:</i> DRR/CCA concerns are incorporated in the land use and development plans and target regions/provinces/ municipalities/cities.</p> <p><b>3. Integrated DRR/CCA Methodology</b></p> <p>a. Finalize framework for integrating DRR/CCA in land use/ physical framework plans</p> <p>b. Develop integrated methodology for DRR/CCA mainstreaming in land use/ physical framework planning</p> <p>The <i>methodology</i> will form part of the <i>Supplementary Guidelines on Mainstreaming DRR/CCA in Land Use/Physical Framework Plan</i>.</p> | <p><b>Finalization.</b> The basic elements of the methodology have been defined. Subsequent refinements will be incorporated in the Supplemental Guidelines that will be prepared.</p> <ul style="list-style-type: none"> <li>Initial draft of framework and methodologies formulated and presented<sup>16</sup></li> <li>RIL Hazard Specialist engaged.<sup>17</sup></li> <li>Paper on <i>landslide density</i> completed<sup>18</sup></li> <li>Technical Papers on climate or weather parameters drafted<sup>19</sup></li> <li>Integrated DRR/CCA Method</li> </ul> | Target activities for the year were met. | The services of partner agencies (i.e., MGB, PAGASA) were solicited as resource persons to assist in preparing technical papers in their respective areas of expertise. | None                                |

<sup>16</sup> The initial draft of the integrated DRR/CCA framework and methodology formulated and presented during the 2<sup>nd</sup> Project Board meeting and the 1<sup>st</sup> experts' group forum (EGF).

<sup>17</sup> The hazard specialist on rain-induced landslide (RIL) shall prepare a technical paper on the method that will be used to define the procedure for establishing or computing the return period of RIL. Data to support the study was obtained from MGB and PAGASA. The report (on establishing the rainfall threshold has been completed. In addition, MGB's assistance was solicited to establish the procedures for estimating the *landslide intensity factor* in accordance with the initial findings of the RIL

<sup>18</sup> Collaboration and coordination meeting with MGB conducted touching on refinements of the DRA for RIL (specifically focusing on the determination of landslide density based on 1:10,000 map/s of MGB).

<sup>19</sup> Technical assistance of PAGASA were solicited to produce papers on return periods for extreme events, hazard thresholds (rainfall), cyclonicity and flood assessment at both provincial and local levels.





| SRF Goal |                   | SRF Sub Goal  |   | Strategic Area of Support        |  |                                     |
|----------|-------------------|---|---|----------------------------------|--|-------------------------------------|
| Outcome  | Update on Outcome | Annual Outputs (Deliverables)   | Update on Outputs   | Reasons if progress below target | Update on partnership strategies       | Recommendations and proposed action |
|          |                   | <i>Plan.</i>  |   |                                  |  |                                     |
|          |                   | 5. <i>Handbook</i> on information support systems on hazards and risks for local/subnational planning | <p><b>Continuing.</b> This deliverable is premised on the need to develop a GIS-based information system for national and local planning bodies that will support requirements for mainstreaming DRR/CCA in land use and physical framework plans in an integrated manner. Under this deliverable, an information system will be established to support analysis of thematic spatial data in disaster and climate change risk assessment and evaluation. The prototype system will be called <i>Climate Change and Disaster Risk Information System for Planning (CRISP)</i>.</p> <ul style="list-style-type: none"> <li>Capacity assessment of pilot areas conducted<sup>23</sup> and the report is being finalized</li> </ul> |                                  |  |                                     |
|          |                   | a. Finalize framework for DRR and CCA Information   | <ul style="list-style-type: none"> <li>The initial data model formulated<sup>24</sup></li> </ul>  | Target activities for            | The success and ongoing efforts in the | <i>None</i>                         |

<sup>23</sup> A survey to assess the capacity of all NROs, selected LGUs and potential regional partners was conducted. The survey focused on data and maps availability, technical capability and institutional capability for mainstreaming DRR and CCA into plans, programs and projects. Survey results served as one of the basis in the preparation of the training design for the *Training of Trainers* as well as inputs for the preparation of handbook on the DR/CR Information System.

<sup>24</sup> The initial data model contains the proposed geospatial data infrastructure that will be created to include disaster risk reduction and climate change concerns on an interoperable system that leverages standards and best practices. The CRISP will be developed as a tool and a platform to facilitate natural disaster risk and climate change information management, including disaster data organization, information sharing and publishing as well as information accessing, querying and reporting. The system will include logical models for capturing risks and vulnerability, the object-relational approach for database implementation, and internet-based user-interfaces that supports multi-mode (including map-based) database queries and flexible facilities for report generation.

| SRF Goal |                   | SRF Sub Goal  |  | Strategic Area of Support                |   |                                     |
|----------|-------------------|---|--|--|---|-------------------------------------|
| Outcome  | Update on Outcome | Annual Outputs (Deliverables)   | Update on Outputs  | Reasons if progress below target         | Update on partnership strategies  | Recommendations and proposed action |
|          |                   | Support System<br>b. Convene experts group meetings<br>c. Identify data requirements, standards and other system parameters<br>d. Develop GIS database and map server technologies<br>e. Implement information system in pilot area<br>f. Draft Handbook on information support system on DRR and CCA | <ul style="list-style-type: none"> <li>1<sup>st</sup> experts' group forum conducted<sup>25</sup></li> <li>1<sup>st</sup> <i>thematic</i> EGM on CRISP conducted<sup>26</sup></li> <li>Field validation conducted<sup>27</sup></li> <li>Proposed design and workplan for the pilot-demonstration is currently being prepared</li> </ul>  | the year were substantially met.         | <i>Regional Geographical Information Network (RGIN)</i> of NRO II serves as the foundation for the development of the <i>Climate Change and Disaster Risk Information System for Planning (CRISP)</i> . |                                     |
|          |                   | 6. <i>Reference Manual</i> on mainstreaming DRR/CCA in CLUPs of cities and municipalities<br><br>a. Prepare Concept Note with annotated outline of the Reference Manual   | <p><b>Continuing.</b> This deliverable is intended to showcase how the CCA/DRR-enhanced PDPFP guide land uses of high risk municipalities/cities. The primary indicator is the formulation of CCA/DRR-enhanced CLUPs. The <i>reference manual</i> is being prepared within the context of provinces providing assistance to their component LGUs in land use planning.</p> <ul style="list-style-type: none"> <li>1<sup>st</sup> experts' group forum conducted<sup>28</sup></li> <li>Concept note on DRR/CCA</li> </ul> | Target activities for the year were met. | MOA with HLURB signed.<br><br>The active cooperation of HLURB in this component will ensure that project initiatives  | <i>None</i>                         |

<sup>25</sup> The initial data model formulated and presented during the 1<sup>st</sup> experts' group forum (EGF). The 1<sup>st</sup> EGF was organized and conducted on 12 – 14 January 2010 in Tagaytay.

<sup>26</sup> The first *thematic* EGM on CRISP was conducted in Tuguegarao City on 23 April 2010 focusing on the role of information system as support to the planning process among others.

<sup>27</sup> As a follow-up to the EGM, a field validation was conducted 8 – 10 July 2010 to ascertain technical specifications and other issues preparatory to the formulation of the workplan for pilot-demonstration of CRISP.

<sup>28</sup> The initial draft of the framework was presented during the 1<sup>st</sup> experts' group forum (EGF). The 1<sup>st</sup> EGF was organized and conducted on 12 – 14 January 2010 in Tagaytay.

| SRF Goal |                   | SRF Sub Goal   |   | Strategic Area of Support                |   |                                     |
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| Outcome  | Update on Outcome | Annual Outputs (Deliverables)  | Update on Outputs   | Reasons if progress below target         | Update on partnership strategies                                  | Recommendations and proposed action |
|          |                   | b. Convene experts group meetings<br><br>c. Review and analyze existing local and international practices, policies, guidelines on integrating DRR and CCA in land use and physical planning<br><br>d. Prepare Draft Reference Manual<br><br><i>Pilot-testing will be in Claver, Gigaquit, Bacuag and Surigao City (ClGiBa + S).</i> | integration in CLUPs prepared <sup>29</sup> <ul style="list-style-type: none"> <li>1<sup>st</sup> thematic EGM on localized DRA conducted<sup>30</sup></li> </ul>   |  | towards DRR/CCA mainstreaming in CLUP would be institutionalized. |                                     |
|          |                   |  | <ul style="list-style-type: none"> <li>3 field surveys conducted<sup>31</sup></li> <li>Series of coordination meetings with HLURB was undertaken<sup>32</sup></li> <li>MOAs signed<sup>33</sup></li> <li>Training on Formulation and Implementation of CLUP conducted<sup>34</sup></li> <li>Updating of CLUPs initiated<sup>35</sup></li> </ul> | Target activities for the year were met. |   | None                                |

<sup>29</sup> A technical paper providing the details on the approaches and procedures of conducting DRA at the local level was prepared. Data requirements and process differentiation for the DRA that was conducted at the provincial level as compared to a local DRA were identified. The need for finer resolution of mapping and other geographical information at the local level was also discussed. Alternatives and options for *localizing* the risk assessment and vulnerability assessment processes were also identified and explored.

<sup>30</sup> EGF was conducted 13 December 2010. The first *thematic* EGM on localized DRA is based on the technical paper describing the procedures for a localized DRA within the context of the 12-step CLUP process as implemented currently by HLURB.

<sup>31</sup> (1) 1<sup>st</sup> field visit was conducted on 11 to 13 April 2010 where a series of meetings with local stakeholders (e.g., SDN, LGUs and HLURB) was held; (2) 2<sup>nd</sup> field visit, conducted 18 to 22 May 2010, was a more detailed field assessment to discuss existing capability and available information were conducted. The status of the CLUP updating exercises by the various LGUs was also ascertained; and (3) The 3<sup>rd</sup> field visit was conducted July 22 – 23, 2010. During the visit, possible collaboration was discussed – specifically on the updating of the CLUPs of the pilot LGUs. HLURB (North Mindanao Field Office) committed to provide technical assistance in the updating of the CLUP and participate in the DRR/CCA enhancements process

<sup>32</sup> Collaboration with HLURB was kicked off with the briefing of HLURB top management on 4 March 2010 on the progress of project implementation. The meeting focused on details of HLURB's involvement in the preparation of the reference manual as well as the pilot demonstration of the methodologies in selected LGUs. The meeting also served as the venue for the discussion of the initial proposed approaches and methodologies for the enrichment of the CLUP process to allow for inclusion of DRR and CCA considerations.

<sup>33</sup> Three (3) agreements (i.e., MOAs) signed with HLURB Central Office, Northern Mindanao and SDN for their respective participation in the updating as well as DRR/CCA enhancement of the CLUPs was signed on 8 October 2010. The MOAs were prepared based on the results of the various field assessment that primarily identified the need for CLUPs updating by the pilot LGUs. Subsequently, activity plans (WFP) were prepared.

<sup>34</sup> An orientation-training on CLUP was conducted on 19 – 20 August 2010 by resource persons from HLURB for RDCS and project staff. This opportunity provided a venue for leveling of awareness and understanding on the CLUP process of HLURB. An orientation on the REDAS was also provided by PHIVOLCS.

<sup>35</sup> Based on the workplan of the partnership with HLURB-North Mindanao and SDN, activities towards the updating of the CLUPs of pilot LGUs were undertaken. The integration of DRR and CCA issues and concerns were included in the various activities. The first activity, the Visioning Workshop, was conducted on 4 – 5 November 2010 at Surigao City and was attended by

| SRF Goal |                   | SRF Sub Goal  |  | Strategic Area of Support                              |  |                                     |
|----------|-------------------|---|--|--|--|-------------------------------------|
| Outcome  | Update on Outcome | Annual Outputs (Deliverables)   | Update on Outputs  | Reasons if progress below target                       | Update on partnership strategies   | Recommendations and proposed action |
|          |                   |   | <ul style="list-style-type: none"> <li>Study mission conducted<sup>36</sup></li> </ul>   |  |  |                                     |
|          |                   | <p>7. DRA (<i>vulnerability assessment</i>) for 10 pilot areas undertaken</p> <p><i>Provinces covered (50):</i></p> <ul style="list-style-type: none"> <li>43 provinces (MDG-F Project; co-financing)</li> <li>7 provinces (Integrating DRR/CCA Project)</li> </ul> | <p><b>Continuing.</b> The final product of the process (i.e., <i>Deliverables #7 and 8</i>) is the CCA/DRR-enhanced PDPFP for 50 provinces.</p> <p>The scheme for preparing the CCA/DRR-enhanced PDPFPs is contained in the 5-component <i>Regional Implementation Plan (RIP)</i>:</p> <ol style="list-style-type: none"> <li>Capacity building for regional trainers</li> <li>Organizing the provinces</li> <li>Disaster Risk Assessment I</li> <li>Disaster Risk Assessment II</li> <li>Integrating DRA results in PDPFPs</li> </ol> |  | <p>The NEDA Regional Offices or NROs are key partners in keeping with the concept of <i>regionalization</i> of project implementation. The NROs will take the lead in providing pilot provinces with technical assistance. This approach is based on recognition of the strong institutional partnerships that exist between NROs and regional line agencies as well as LGUs. This strength will serve to facilitate project implementation at the regional level.</p> |                                     |
|          |                   | <p>a. Identify and formalize agreement with 10 pilot areas</p> <p>b. Conduct preparatory and</p>  | <ul style="list-style-type: none"> <li>MOAs signed<sup>37</sup></li> <li>Supplemental MOAs (Component 2) signed<sup>38</sup></li> </ul>  | Target activities for the year were substantially met. |  | None                                |

the Technical Working Groups (TWGs) of the 4 pilot LGUs including other stakeholders. The second workshop on the formulation of the socio-economic profile was undertaken 8 – 10 December 2010 in Cagayan de Oro City. Technical backstopping for DRR/CCA concerns was provided by the project study team.

<sup>36</sup> A study mission composed of three (3) participants from partner agencies (i.e., HLURB, HLURB-North Mindanao and SDN) participated in the 9<sup>th</sup> International Symposium on New Technologies for Urban Safety of Mega Cities in Asia on 13 – 14 October 2010 at Kobe, Japan. The mission was intended to enhance the capacity of local governments to undertake decisive actions on enhancing local resilience to Climate Change and Disasters.

<sup>37</sup> Agreements (i.e., MOAs) were signed (6 out of 15 NROs) to collaborate in the preparation of CCA/DRR-enhanced PDPFPs for pilot provinces using the RIP as the framework. The MOA provides for details on the roles and functions of the parties involved. Additional implementation details would be contained in supplemental MOAs that will govern the implementation of each of the components including the resources that would be allocated for various activities under each of the components of the RIP.

| SRF Goal |                   | SRF Sub Goal  |  | Strategic Area of Support        |                                  |                                     |
|----------|-------------------|---|--|----------------------------------|----------------------------------|-------------------------------------|
| Outcome  | Update on Outcome | Annual Outputs (Deliverables)   | Update on Outputs  | Reasons if progress below target | Update on partnership strategies | Recommendations and proposed action |
|          |                   | orientation workshops for regional/provincial/ local planning team of pilot areas<br>c. Design and implement technical assistance to non-pilot regions/provinces on integrating DRR and CCA<br>d. Conduct vulnerability assessment of 10 pilot communities                | <ul style="list-style-type: none"> <li>Toolkit being prepared<sup>39</sup></li> </ul>          |                                  |                                  |                                     |
|          |                   | <b>8.</b> DRR/CCA-enhanced sub-national land use/physical framework plans prepared<br><br><i>Provinces covered (50):</i> <ul style="list-style-type: none"> <li>10 provinces (MDG-F Project; co-financing)</li> <li>40 provinces (Integrating DRR/CCA Project)</li> </ul> |  |                                  |                                  |                                     |
|          |                   | e. Prepare draft of selected chapters of land use and physical framework plans with integrated DRR and CCA concepts<br>f. Conduct peer review   | <i>Activities for this deliverable will start upon completion of DRA under deliverable #7.</i> | ----                             |                                  | ----                                |

<sup>38</sup> Supplemental MOA #1 (SMOA #1) was drafted and sent to the NROs for signature. SMOA#1 provides details on activities and outputs to be achieved for Component 2 of the RIP. Component #1 have essentially been completed under *Deliverable #2*. SMOA#1 provides for the briefing the entire, newly constituted RDCs and all the newly-installed LCEs (including key functionaries in each of the provinces). MOAs would likewise be executed between pilot provinces and the NROs on the preparation of CCA/DRR-enhanced PDPFPs. Likewise, a briefing of the core team of the provinces will likewise be undertaken. This technical briefing is supplemental to the capability building activities under *Deliverable #2* and is also intended to increase competency in DRR/CCA in the provinces.

<sup>39</sup> The services of a land use/GIS specialist was engaged to prepare the toolkit. Draft of selected chapters of the toolkit had been prepared and is currently being reviewed. The toolkit will be pre-tested in South Cotabato and Leyte prior to roll-out to the rest of the pilot provinces. The DRA would be implemented in Components #4 and #5 of the RIP.

| SRF Goal |                   | SRF Sub Goal   |   | Strategic Area of Support   |                                  |                                     |
|----------|-------------------|--|---|---|----------------------------------|-------------------------------------|
| Outcome  | Update on Outcome | Annual Outputs (Deliverables)  | Update on Outputs   | Reasons if progress below target  | Update on partnership strategies | Recommendations and proposed action |
|          |                   | workshops and consultations  |   |   |                                  |                                     |
|          |                   | <b>NFPP updating undertaken</b><br>g. Conduct preparatory study on the current NFPP<br>h. Formulate and implement guidelines for the preparation of NFPP<br>i. Conduct FGDs and writeshops, agency presentations on latest policy issuances and implications to land use and physical planning   | <ul style="list-style-type: none"> <li>Specialist/ Consultant engaged</li> <li>Workplan prepared</li> <li>Survey undertaken<sup>40</sup></li> </ul> | Target activities for the year were substantially met.<br><br><i>Schedules of activities were moved in view of the on-going MTPDP preparation to ensure that MTPDP issues are integrated into the NFPP.</i> |                                  | None                                |
|          |                   | <u>Output 3:</u> Practical strategies for DRR/CCA are demonstrated at the local level.<br><br><b>9.</b> Adaptation Strategies n local communities documented<br><b>10.</b> Exemplar of Adaptation Strategies (KM Product)<br><br>a. Conduct of baseline survey of potential adaptation practices<br>b. Identification and documentation of at least two successful adaptation strategies<br>c. Formulation of adaptation plans | <i>No activities for this Output were targeted for this year.</i>   | ----  |                                  | ----                                |

<sup>40</sup> Survey on awareness and utility of NFPP to target users designed and farmed out. The survey will serve as the baseline to guide the updating process,



| SRF Goal  |                   | SRF Sub Goal   |  | Strategic Area of Support                |   |                                     |
|---|-------------------|--|--|--|---|-------------------------------------|
| Outcome   | Update on Outcome | Annual Outputs (Deliverables)  | Update on Outputs  | Reasons if progress below target         | Update on partnership strategies  | Recommendations and proposed action |
|   |                   | d. Process documentation<br><i>(activities to run over 2 years)</i>  |  |  |   |                                     |
| <i>Outcome 2:</i> Enhanced multi-stakeholder cooperation in addressing climate change & disaster risk reduction in an integrated manner | <i>No change</i>  | <i>Output 4:</i> Policy/programme instruments for enhanced multi-stakeholder cooperation to address climate change developed |  |  |   |                                     |
|   |                   | 11. National Climate Change Action Plan<br>a. Preparation of Inception and Stocktaking Report                                | <b>Completed.</b> The <i>National Framework Strategy for Climate Change (NFSCC)</i> was approved by PGMA on 29 April 2010.<br><ul style="list-style-type: none"><li>Inception report and work plan submitted</li><li>NFSCC drafted</li><li>NFSCC finalized and adopted</li></ul> | Target activities for the year were met. | The MOA with the <i>Climate Change Commission (CCC)</i> as represented by Commissioner H.T. Alvarez was signed on 20 January 2010.<br><br>Under the MOA, the CCC will be provided with financial assistance by the project in the drafting of the <i>NFSPCC</i> and the <i>NCCAP</i> as required under RA 9729. | <i>None</i>                         |
|   |                   | b. Drafting of NCCAP   | <b>Continuing.</b> The CCC is currently working on the draft of the NCCAP  | Target activities for the year were met. | The MOA with CCC was amended. <sup>41</sup>   | <i>None</i>                         |

<sup>41</sup> The recent designation of a new vice-chair for the CCC, coupled with the financial difficulties with the limited fund releases by government to the CCC, necessitated the amendment of the MOA with the CCC. The provisions on financial arrangements were amended to provide resources to the CCC to undertake consultation and other preparatory activities in the finalization of the NCCAP.

| SRF Goal |                   | SRF Sub Goal  |   | Strategic Area of Support        |                                  |                                     |
|----------|-------------------|---|---|----------------------------------|----------------------------------|-------------------------------------|
| Outcome  | Update on Outcome | Annual Outputs (Deliverables)   | Update on Outputs   | Reasons if progress below target | Update on partnership strategies | Recommendations and proposed action |
|          |                   |   | <ul style="list-style-type: none"> <li>Revised work plan submitted</li> </ul>   |                                  |                                  |                                     |
|          |                   | <p><i>Output 5:</i> Mechanisms for multi-stakeholder cooperation on integrated disaster risk reduction and climate change adaptation at national and local levels strengthened.</p> <p><b>12. Multi-stakeholder Mechanisms</b></p> <p>a. Paper on multi-stakeholder participation (draft; final version to be finalized in conjunction with NCCAP) based on institutional assessment and baseline survey</p> <p>b. Pilot demonstration and institutional assessment of subnational model</p> <p>c. Workshops and consultations</p> <p><i>(activities to run over 2 years)</i></p> | <p><i>(Activities for this deliverable will start upon completion of activities under previous deliverable #11)</i></p> | ----                             |                                  | ----                                |

| SRF Goal |                   | SRF Sub Goal   |  | Strategic Area of Support                |  |                                     |
|----------|-------------------|--|--|--|--|-------------------------------------|
| Outcome  | Update on Outcome | Annual Outputs (Deliverables)  | Update on Outputs  | Reasons if progress below target         | Update on partnership strategies   | Recommendations and proposed action |
|          |                   |  |  |  |  |                                     |
|          |                   | <u>Output 6:</u> Project Management<br>a. Provision of consultancy services<br>b. Provision of financial and administrative support<br>c. Preparation and submission of required progress and financial reports<br>d. Conduct of Project Board Meetings<br>e. Conduct of meetings among NEDA and Responsible Partners<br>f. Conduct of mid-year review and assessment<br>g. Preparation of Work and Financial Plan | <ul style="list-style-type: none"> <li>• Consultants and specialists needed by the project hired/engaged</li> <li>• 2<sup>nd</sup> Project Board meeting conducted</li> <li>• 2010 AWFP formulated and approved</li> <li>• 2010 AWFP revised</li> <li>• TOR for program assistant prepared</li> <li>• Selection process for program assistant initiated</li> <li>• Program Assistant hired</li> <li>• Program audit by UNDP conducted (awaiting final report, findings and recommendation)</li> <li>• Other reports as needed/ requested prepared and submitted</li> </ul> | Target activities for the year were met. | Complementation and collaboration arrangements with partner agencies are actively pursued (see related discussion on <i>MDGF Project</i> below). | <i>None</i>                         |

| SRF Goal |                   | SRF Sub Goal  |  | Strategic Area of Support                |   |                                     |
|----------|-------------------|---|--|--|---|-------------------------------------|
| Outcome  | Update on Outcome | Annual Outputs (Deliverables)   | Update on Outputs  | Reasons if progress below target         | Update on partnership strategies  | Recommendations and proposed action |
|          |                   | Collaboration and complementation arrangements with <b>MDGF Project</b> . | <ul style="list-style-type: none"> <li>• LOA with <i>MDGF Project</i> signed</li> <li>• Inception and consultation meetings and workshops initiated</li> <li>• Inception Report for collaboration agreement prepared and submitted</li> <li>• Coordination meetings and progress report presentations attended<sup>42</sup></li> </ul> | Target activities for the year were met. | <p>The LOA with the <i>MDGF Project</i> was signed on 29 January 2010.</p> <p>Under the LOA, the <i>MDGF Project</i> will provide <u>half</u> of the amount (PhP 20.0 Million) needed for the preparation of 43 vulnerability assessment reports and 10 DRR/CCA-enhanced PDPFPs.<sup>43</sup></p> <p>The project will co-finance the activity.<sup>44</sup></p> <p>The outputs will be in conjunction with <i>deliverables #7 and #8</i>.</p> | None                                |

<sup>42</sup> (1) Presentation on 13 July 2010 of the UP Manila for the health sector assessment under the MDG-F Project; (2) Progress Presentation on 11 August 2010 of various sectors; (3) Presentation on 15 September 2010 of the UPLB (forestry sector); and (4) first inter-agency meeting on proposed LGU summit in CCC (Malacanang) on 29 September 2010.

<sup>43</sup> The use of a common methodology for DRA will ensure consistency and long-term sustainability.

<sup>44</sup> Attributions of the project deliverables are as follows: (1) for joint attribution to MDG-F Project and the Integrating DRR/CCA Project: 43 DRAs & 10 DRR/CCA-enhanced PDPFPs; and (2) for the Integrating DRR/CCA Project: 7 DRAs & 40 DRR/CCA-enhanced PDPFPs

## Summary of Participants

ToT on GIS Application on Mainstreaming DRR and CCA into Subnational Development and Land Use Physical Framework Planning

| Region                                   | # of participants |           |              |            |
|--|-------------------|-----------|--------------|------------|
|  | NEDA              | RLAs      | Academe/NGOs | Total      |
| <b>BATCH 1 (March 1 to 12, 2010)</b>     |                   |           |              |            |
| Region I                                 | 5                 | 3         | 2            | 10         |
| Region II                                | 5                 | 4         | 1            | 10         |
| Region XIII                              | 5                 | 3         | 2            | 10         |
| Others                                   | 1                 |           |              | 1          |
| <b>Sub-Total (Batch 1)</b>               |                   |           |              | <b>31</b>  |
| <b>BATCH 2 (April 5 to 16, 2010)</b>     |                   |           |              |            |
| Region VI                                | 7                 | 1         | 2            | 10         |
| Region X                                 | 5                 | 2         | 1            | 8          |
| Region XI                                | 3                 | 4         | 1            | 8          |
| Others                                   | 4                 |           |              | 4          |
| <b>Sub-Total (Batch 2)</b>               |                   |           |              | <b>30</b>  |
| <b>BATCH 3 (April 19 to 30, 2010)</b>    |                   |           |              |            |
| Region CAR                               | 6                 | 2         | 2            | 10         |
| Region IV-A                              | 7                 | 2         | 1            | 10         |
| Region V                                 | 6                 | 3         | 1            | 10         |
| <b>Sub-Total (Batch 3)</b>               |                   |           |              | <b>30</b>  |
| <b>BATCH 4 (May 17 to 28, 2010)</b>      |                   |           |              |            |
| Region VII                               | 5                 | 2         | 1            | 8          |
| Region IX                                | 6                 | 2         | 2            | 10         |
| Region XII                               | 5                 | 2         | 1            | 8          |
| Others                                   | 3                 | 1         | 1            | 5          |
| <b>Sub-Total (Batch 4)</b>               |                   |           |              | <b>31</b>  |
| <b>BATCH 5 (June 21 to July 2, 2010)</b> |                   |           |              |            |
| Region III                               | 8                 | 1         | 1            | 10         |
| Region IV-B                              | 5                 | 2         | 1            | 8          |
| Region VIII                              | 7                 | 2         | 1            | 10         |
| Others                                   | 3                 | 2         |              | 5          |
| <b>Sub-Total (Batch 5)</b>               |                   |           |              | <b>33</b>  |
| <b>TOTAL</b>                             | <b>96</b>         | <b>38</b> | <b>21</b>    | <b>155</b> |

| Region                                   | Training Statistics |           |            |                    |
|--|---------------------|-----------|------------|--------------------|
|  | Gender              |           |            | Knowledge Gain (%) |
|  | Male                | Female    | Total      |                    |
| <b>BATCH 1 (March 1 to 12, 2010)</b>     |                     |           |            |                    |
| Region I                                 | 8                   | 2         | 10         | 20.12              |
| Region II                                | 8                   | 2         | 10         | 31.99              |
| Region XIII                              | 5                   | 5         | 10         | 10.90              |
| Others                                   |                     | 1         | 1          |                    |
| <b>Sub-Total (Batch 1)</b>               | <b>21</b>           | <b>10</b> | <b>31</b>  | <b>21.01</b>       |
| <b>BATCH 2 (April 5 to 16, 2010)</b>     |                     |           |            |                    |
| Region VI                                | 6                   | 4         | 10         | 10.90              |
| Region X                                 | 5                   | 3         | 8          | 17.09              |
| Region XI                                | 3                   | 5         | 8          | 29.30              |
| Others                                   | 1                   | 3         | 4          | 1.98               |
| <b>Sub-Total (Batch 2)</b>               | <b>15</b>           | <b>15</b> | <b>30</b>  | <b>14.82</b>       |
| <b>BATCH 3 (April 19 to 30, 2010)</b>    |                     |           |            |                    |
| Region CAR                               | 4                   | 6         | 10         | 21.82              |
| Region IV-A                              | 5                   | 5         | 10         | 8.03               |
| Region V                                 | 7                   | 3         | 10         | 16.71              |
| <b>Sub-Total (Batch 3)</b>               | <b>16</b>           | <b>14</b> | <b>30</b>  | <b>16.51</b>       |
| <b>BATCH 4 (May 17 to 28, 2010)</b>      |                     |           |            |                    |
| Region VII                               | 4                   | 4         | 8          | 6.13               |
| Region IX                                | 4                   | 6         | 10         | 11.07              |
| Region XII                               | 7                   | 1         | 8          | 7.31               |
| Others                                   | 4                   | 1         | 5          | 6.72               |
| <b>Sub-Total (Batch 4)</b>               | <b>19</b>           | <b>12</b> | <b>31</b>  | <b>7.81</b>        |
| <b>BATCH 5 (June 21 to July 2, 2010)</b> |                     |           |            |                    |
| Region III                               | 5                   | 5         | 10         | 14.93              |
| Region IV-B                              | 3                   | 5         | 8          | 16.36              |
| Region VIII                              | 6                   | 4         | 10         | 7.80               |
| Others                                   | 5                   | 0         | 5          | 18.10              |
| <b>Sub-Total (Batch 5)</b>               | <b>19</b>           | <b>14</b> | <b>33</b>  | <b>14.30</b>       |
| <b>TOTAL/AVERAGE</b>                     | <b>90</b>           | <b>65</b> | <b>155</b> | <b>14.89</b>       |