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# Training Report

## 4<sup>th</sup> Regional Training Course on Mainstreaming Disaster Risk Reduction into Local Governance (MDRRG - 4)

Under

*Program for Hydro meteorological Disaster Mitigation  
in Secondary Cities in Asia (PROMISE)*

25 – 29 January 2010

Astoria Plaza Hotel

Manila, Philippines





# Program for Hydro- Meteorological Disaster Mitigation in Secondary Cities in Asia (PROMISE)

## Report on the 4<sup>th</sup> Regional Training Course in Mainstreaming Disaster Risk Reduction into Local Governance

MDRRG – 4

25 – 29 January 2010



Venue : Astoria Plaza Hotel, The Philippines

*Organised by Asian Disaster Preparedness Center (ADPC)  
Bangkok*



# Table of Contents

	Page
1. Introduction	2
2. Course Proceedings	3
2.1 Modules	3
2.2 Course Presentations	4
3. Course Outcomes	6
4. Evaluation of the Course	7
5. Conclusion and Recommendations	8
Annexure	
Annex 1: Program Schedule	10
Annex 2: Group work	13
Annex 3: Captions of the Course	21
Annex 4: List of Participants	



# 1. Introduction

## Background

The PROMISE program is being implemented by the Urban Disaster Risk Management (UDRM) team of ADPC with the financial assistance of the Office of Foreign Disaster Assistance of the US Agency for International Development (OFDA/USAID) since early 2006. The PROMISE program, initiated in six countries in South and South East Asia have been successfully achieving its strategic visions with the goal of reducing vulnerability of urban communities by adopting specific Hydro-Meteorological preparedness and mitigation measures. PROMISE program cities of the program are Chittagong and Jamalpur in Bangladesh, Jakarta in Indonesia, Hyderabad in Pakistan, Dagupan and Pasig in the Philippines, Danang in Vietnam and Kalutara and Matara in Sri Lanka.

## Objectives

The primary objective of the training course is to develop a cadre of local government professionals and development partners sensitive to issues posed by recurrent urban hazards. The MDRRG- 4 intends to enhance the knowledge and capacity of urban local authorities and other relevant organizations in mainstreaming disaster risk reduction in urban sector development as a component of urban governance. The course covering policies, concepts, framework and strategies are presented with ADPC's vast experience, focusing on the current trends, challenges and adaptation measures illustrated by case studies.

## Organising

The course is organised by the Asian Disaster Preparedness center under the directives of Dr. Bhichit Rattakul, the Executive Director and Mr. NMSI Arambepola, the Director (Urban Disaster Risk Management) and coordinated by Ms. Padma Karunaratne, Program Manager and Dr. Amit Kumar, Senior Project Manager. The regional training course took place at the Astoria Plaza Hotel of Origas business center in Pasig city, The Philippines during 25 – 29 January 2010.

## Participation

The total number of participation was twenty two (22) representing Papua New Guinea, Kenya and PROMISE countries of Philippines, Sri Lanka and Bangladesh. The PROMISE has provided full sponsorship for five (5) foreign participants and partial sponsorship for one (1) foreign participant and 8 local participants from the Philippines. Sponsorships were awarded for the cities of current PROMISE implementation and the local partner agencies of them.

Representation for PROMISE Cities ;

1. Matara Municipal Council , Sri Lanka
2. The Asia Foundation, Sri Lanka
3. Federation of Sri Lankan Local Govt. Authorities
4. Jamalpur Municipal Council, Bangladesh
5. Pasig City Council, The Philippines

Representatives from other agencies

1. MercyCorps – Indonesia
2. Morobe Provincial Administration- Disaster and Emergency Services – Papua New Guinea
3. UNICEF – The Philippines
4. UNDP – Bangladesh

5. The League of Cities , The Philippines
6. Marikina City Council – The Philippines
7. Dept. of Interior and Local Govt. – The Philippines
8. International Federation of Red Cross and Red Crescent - Kenya

Details of the Participants are attached in **annexure 4**

## **2. Course Proceedings**

From ADPC, under the directives of Mr. NMSI Arambepola, modules and session plans were revised taking the recent developments and the needs on the areas of climate change adaptation and disaster risk reduction in the region. The course resource persons were mainly from the ADPC in-house staff comprising Mr. NMSI Arambepola, Padma Karunarante and Dr. Amit Kumar. External resource persons were Ms. Cora Alma De Leon, expert on Disaster Management, Ms. Lorna Victoria and Ms. Mayfourth Luneta from Center for Disaster Preparedness Inc. and Emma Molina from Dagupan city with guest speakers.

### **2.1 Modules**

#### **Module 1 : Concepts of Vulnerability and Governance**

- Session 1 : Definitions and Concepts of Disaster Risk Reduction
- Session 2 : Urbanization trends in Asia and integration of DRR in services provided by the I local governments
- Session 3 : DRR Intervention at Local Government Level: Challenges, Experiences and Lessons-learned
- Session 4 : Governance & Accountability in DRR interventions (case study)
- Session 5 : Progression of Vulnerability and Disaster Risk Reduction Model and Approaches

#### **Module 2 : Disaster Risk Reduction at Local Government Level**

- Session 1: Hazard, vulnerability and Risk Assessment
- Session 2 : Climate change impacts and local level development planning ADPC
- Session 3 : Approaches for Community Mobilization for Managing Risk at Local Context
- Session 4 : Local level approaches of structural and non-structural interventions for DRR- Experience of PROMISE & other programs

#### **Module 3: Institutional Aspects of Local Disaster Risk Reduction**

- Session 1 : Institutional arrangements relevant to National /Provincial & local Govt. level disaster mitigation/ preparedness
- Session 2 : Vulnerability Profiling for Cities and Developing Databases
- Session 3 : Land management and Disaster Risk Reduction (Case Studies from different countries) Urban Planning and Zoning
- Session 4 : Dealing with informal settlements (Makati and Marikina experience -Case Study)
- Session 5 : Structural disaster risk reduction through appropriate building approval Process and Building Code adherence



## **Module 4 : Approaches, Systems and Methods**

- Session 1 : Good urban governance and participatory approaches in DRR
  - Session 2 : Vulnerable groups & community resilience: Approach for Development of indicators to evaluate level of community resilience
  - Session 3 : Concepts of Mainstreaming DRM and other crosscutting issues
  - Session 4 : Generating community-sourced information for local DRR
  - Session 5 : Structural disaster risk reduction through appropriate building approval Process and Building Code adherence
  - Session 6 : Developing a Culture for Risk Reduction through Mainstreaming Disaster Risk Reduction at Local Level
  - Session 6 ; Risk reduction Action Planning -Planning for Future Risk (Action Planning Process)
  - Session 7 : Global Campaign for Urban Disaster Risk Reduction and Implementation of HFA – UN ISDR
- Field Visit to Marikina City / Makati city

## **Module 5 : Planning for Change**

- Session 1 : Stakeholder Analysis for planning
- Session 2 : Participatory Planning (Role Play)
- Session 3 : Performance Evaluation of DRM programs at local level - Philippines

## **2.2 Course presentations**

### **25 January 2010 - Day 1**

The first day of the Training course was commenced with a short inaugural ceremony. Dr. Bhichit Rattakul, the Executive Director of ADPC welcomed the guests and participants giving a short description on the history and the objectives of the course. At the opening remarks, Hon. Robert C Eusebio, The Mayor for Pasig City appreciated the interests of ADPC towards the disaster risk reduction initiatives of the region. Madam Cora Alma de Leon emphasised the timely need of DRR in the local Governance. Mr. N.M.S.I. Arambepola briefly explained about the course and coverage. The Chief Guest, USec. Melchor P Rosales, Undersecretary, Department of Interior and Local Government for The Philippines placed before the audience, the recent activities by the DILG in mainstreaming of DRR. Ms. Padma Karunatne delivered vote of thanks.

The technical sessions begun with the introductory module with explanations for concepts and definitions of vulnerability, governance and components of disaster risk reduction. Further rationalization was delivered under the role of local government in changing environmental and organisational trends emphasising the progression of vulnerability into urban development context and disaster risk reduction models and their applicability.

The sofa chat discussion was mainly focused on pre disaster preparedness and post disaster experience of recent ‘Katsena” with the participation of the Mayor of Dagupan, Hon Alipio Fernandez, Dr. Bhichit Rattkul, Dr. Lenny Fernando from Marikina City and Madam Cora Leon, prominent expert and the chair for many high level disaster related projects in the Philippines. The sofa chat was facilitated by Ms. Lorna Victoria. This discussion led the participants to learn more first hand experience on urban preparedness, response and post recovery measures adapted by the cities in The Philippines.

## **26 January 2010 - Day 2**

The day was scheduled with the module of Hazard Vulnerability and Risk Assessment. Definitions, methods of HVRA and limitations were initially discussed through group work. Sessions were delivered for more understanding on community approach, climate change impacts and adoption at urban level for sustainable development and with illustrated practical experience of the Asian cities. Examples from PROMISE cities were highlighted for various mitigation measures. Under the module three (3) Institutional aspects of local disaster risk reduction were discussed. The sessions continued with vulnerability profiling for cities, developing data bases and key importance of land management combined with development planning and presenting more examples from Asian cities.

Participants were able to visit the Pasig city's EOC in the evening.

## **27th January 2010 - Day 3**

The third day was concentrated to provide the participants with knowledge on physical planning and systems, approaches and methods of mainstreaming disaster risk reduction. Also in the sessions were project of Makati city in dealing with informal settlements in the city and structural dimensions for building permit approval process. They highlighted the need for appropriate planning with consideration of technical inputs such as building codes, land use planning and prediction for futuristic risk, which are to be streamlined with policy framework that helps for community resilient physical development. One of the key areas for entering into good urban governance is the participation approach and good practices of DRR. They were well explained through examples and team works.

Cross cutting issue where good governance, DRR and mainstreaming have indirect impacts were discussed, along with gender, human rights and environmental issues.

The last session of the day was on generation of community sourced information

## **28th January 2010 - Day 4**

The day four was focused on the continuation of the previous day module. The first session was on developing a culture for risk reduction through mainstreaming disaster risk reduction at local level, which is followed by risk reduction action planning. It was a group exercise by teams participated for developing action plans for each sector given to them. **(Annexure 2)**

A guest speaker from UN ISDR, Ms. Yuki Matsuoaka has delivered a lecture on Global Campaign on urban disaster risk reduction with more explanations connected with implementation of HFA. After lunch were the site visits. During the visit to Makati city, participants were able to witness the city's overall plan for city development where DRR actions and environmental pollution control measures are largely embedded. Participants have visited the well established Emergency Operations Center equipped with modern technologies. In Marikina city, the group was accompanied to the EOC followed by presentations on emergency operations and recovery of Marikina after the Katsena cyclone.

## **29th January 2010 - Day 5**

The last day of the training was focused on Planning for change, Commencing with the stakeholder analysis, participants were able to acquire knowledge on wider role of each stakeholder as a receiver, facilitator, beneficiary and a leader etc. The session for role play was a unique exercise for application of learning's during the I course in a practical situation in a city. Participants were enthusiastically took part of their role during the exercise. The final session for the training course was on performance evaluation of DRM process which is an area of often neglected. The auditing purpose serves the pose of evaluating the achievements of the objectives which tangible and intangible as well.

The First Lady of Pasig, the Head of the Gender & Development and the Pasig city Livelihood Foundation, Ms, Maribel Eusebio, attended the course. She expressed her gratitude for organising the course, which will help her as well as others to effectively apply the learning, The course was concluded after awarding the certificates.

Training workshop products

- A CD rom with pdf versions of all presentations, handouts and reading materials
- Training course manual and hard copies of reading materials and presentations

### **3. Course Outcome**

The expected outcome of the course was to:

- To develop a cadre of local government professionals sensitive to issues presented by the recurrent hazards.
- To increase their knowledge on urban governance and risk management to be responsive to the needs of vulnerability reduction
- To create opportunities for mainstreaming risk reduction as a component of good governance.

It is expected that enhancement of capacities is achieved to ensure that practitioners and decision makers possess the tools and methodologies needed to prepare for, respond to, and develop long and short-term mitigation plans for hydro-meteorological disasters. In addition, PROMISE partners are to impart the knowledge gained, to the partners as well as to the community they work with for making better preparedness and mitigation at the local level.

Some of the areas can be adapted at the grass root community level without much external assistance. During the preparations of the modules, it was discussed to include community based disaster risk reduction, local level development plans to include disaster risk reduction as an integral part, expansion of policy and institutional framework to incorporate DRR, central government level intervention on devolution of powers and decision making with consultation of local government, climate change and adaptation measures at local level and performance auditing of disaster related projects for assessing the value for money.

#### **Short term Outcomes**

ADPC found that the many of the participants are with little or no knowledge on basics of the disasters. Therefore, the following short term outcomes are foreseen:

- 1) Knowledge enhancement and detailed understanding on disasters and related definitions
- 2) Capacity building to train others on mainstreaming DRR
- 3) Skills acquirement to build up organisational and institutional level awareness programs, impart knowledge for higher and fellow officials
- 4) Capacity building for top – down approach and dissemination of knowledge to communities

#### **Long term outcomes**

ADPC anticipates that partner agencies and council members take lead role in mainstreaming DRR in to local governance. With acquired knowledge, participants would be able to:

- 1). Simply apply or apply with modifications, the methodologies discussed at the training: These methodologies can be participatory approach with community or institutional approach at a broader scale. It can applied with other stakeholders to adapt mainstreaming DRR in local governance including the development planning for long term development.
- 2). Establish institutional network with national and regional level and share adaptation strategies and measures for building safer communities at the local level.

#### 4. Evaluation of the Course

At the last day of the training course, participants were requested to fill the evaluation forms which will be used for further improvements of the course content as well as the delivery. The outcome was highly encouraging as most of the participants rated with higher scores. It proves that there is a transfer of knowledge and concepts, which signals for replications in the future. All of the participants found the course was not too easy or not too difficult, but about right. Of the contents of the course, more than half found it about right. No one recommended that any course be taken out. Majority state that the presentations and handouts are very much useful as many have learnt more on the real terms and concepts. Evaluation for presenters / resource persons was found ratings from moderate to excellent and with the satisfactory facilitation. The most frequently cited subjects were on Governance, Participatory Approaches, Stakeholder Analysis, and Concepts of Risk. All participants stated they could immediately apply what they learned to their work.

Some of key comments:

- 1) Training is useful to hold national level awareness building for leaders of local authorities and will be able to take with relevant local authority role of DRR
- 2) Job well done. You can localise your training and course more and more
- 3) Training is too tight. Avoid some topics such as performance evaluation and role play to provide more time for Q &A
- 4) Give more time for case study and sharing experience
- 5) Useful, Planning to prepare a simple booklet to aware the LG leaders on DRR
- 6) Add more group work on country context
- 7) Limit presentation only for extremely important areas under each topic and give more time. Participants can refer other materials under reading materials.
- 8) More for field visits for actual places of calamities, but not to offices
- 9) Have an audio- visual presentations of scenarios and participants would analyse and react on it
- 10) Provide with already tested examples with ADPC and present.

Some suggestions for further development

- 1) Include DRR in other sectors such as children, women, disadvantaged
- 2) Sessions should be based on ADPC examples
- 3) HIV/AIDS, famine, conflict, migration, refugees and drought should be addressed
- 4) Use of GIS as a tool, include sub national and policy initiatives
- 5) Include conflicts and man made disasters

## **5. Conclusion and Recommendations**

Climate change adaptation and disaster risk reduction are very much interconnected and they are on global concern on highest priority. The combination of those two broad fields needs to be assessed and incorporated at the local context. Still many of the communities are not vigilant and the local authorities are also not taking serious steps at the local level. Hence, those can be considered while revising the course contents, modules and reading materials in future. Sessions can be equipped with more with case studies and role play where an active participation can be anticipated.

# Annexes

1. Program Schedule
2. Group work
3. Captions of the course
4. List of Participants

# Annex - 1

## 4<sup>th</sup> Regional Training Course on Mainstreaming Disaster Risk Reduction into Local Governance

Manila, Philippines 25 – 29 January 2010

### COURSE SCHEDULE

Time	Module	Session	Presenter
<b>Day 1 25<sup>th</sup> January 2010: Module 1: Concept of Vulnerability and Governance</b>			
08.30 – 09.00		Registration	ADPC
09.00 – 09.30		Opening Ceremony	ADPC
09.30 – 10.00		Introduction of the Course and Introduction of Participants	ADPC
10.00 – 10.15		Photo Session	ADPC
10.15 – 10.30		Coffee / Tea Break	
10.30 – 11.15	MIS1	Definitions and Concepts of Disaster Risk Reduction	Mr. Amit Kumar - ADPC
11.15 – 12.30	MIS2	Urbanization trends in Asia and integration of DRR in services provided by the local governments	Mr. NMSI Arambepola - ADPC
12.30 – 13.30		Lunch Break	
13.30 – 15.00	MIS3	DRR Intervention at Local Government Level: Challenges, Experiences and Lessons-learned	Mayors of Dagupan & Marikina, Ms. Cora Leon, Dr. Bhichit Rattakul, ADPC
15.00 - 15.15		Coffee / Tea Break	
15.15 – 16.00	MIS4	Governance & Accountability in DRR interventions (case study)	Mr. Amit Kumar & Ms. Padma Karunaratne - ADPC
16.00 – 17.00	MIS5	Progression of Vulnerability and Disaster Risk Reduction Model and Approaches	Mr. NMSI Arambepola-ADPC
<b>Day 2 26<sup>th</sup> January 2010 : Module 2: Disaster Risk Reduction at Local Government Level</b>			
08.30 – 8.45		Recapitulation	
08.45 – 9.45	M2S1	Hazard, vulnerability and Risk Assessment	Mr. NMSI Arambepola-ADPC
9.45 – 10.30	M2S2	Climate change impacts and local level development planning	ADPC
10.30 – 10.45		Coffee / Tea Break	
10.45 – 11.30	M2S3	Approaches for Community Mobilization for Managing Risk at Local Context	Ms. Mayfourth Luneta, CDP
11.30 – 12.00	M2S4	Local level approaches of structural and non-structural interventions for DRR- Experience of PROMISE & other programs	Ms Padma Karunaratne – ADPC
12.00 – 13.00	M2S5	Emergency Response Planning and First Response at the City and Local Levels	Ms. Cora Alma De Leon, Vice Chair, BoT ADPC
13.00 – 14.00		Lunch	

<b>Module 3: Institutional Aspects of Local Disaster Risk Reduction</b>			
14.00 – 15.00	M3S1	Institutional arrangements relevant to National /Provincial & local Govt. level disaster mitigation/ preparedness Case study	Ms. Mayfourth Luneta - CDP Ms Padma Karunaratne ADPC
15.00 – 15.45	M3S2	Vulnerability Profiling for Cities and Developing Databases	Mr. NMSI Arambepola-ADPC
15.45 – 16.00		Coffee / Tea Break	
16.00 – 17.00	M3S3	Land management and Disaster Risk Reduction (Case Studies from different countries) Urban Planning and Zoning	Mr. NMSI Arambepola- Padma ADPC
<b>Day 3 27<sup>th</sup> January 2010 Module 3 continues</b>			
08.30 – 08.45		Recapitulation	
08.45 - 10.15	M3S4	Dealing with informal settlements (Makati and Marikina experience -Case Study)	Ms. Lorna Victoria / Ms. Mayforth Luneta- CDP
10.15– 11.15	M3S5	Structural disaster risk reduction through appropriate building approval Process and Building Code adherence	Mr. Amit Kumar-ADPC
11.15 – 11.30		Coffee / Tea Break	
<b>Module 4: Approaches, Systems and Methods</b>			
11.30 – 12.45	M4S1	Good urban governance and participatory approaches in Disaster Risk Reduction	Ms. Lorna Victoria - CDP
12.45 – 13.45		Lunch Break	
13.45 – 14.45	M4S2	Vulnerable groups & community resilience: Approach for Development of indicators to evaluate level of community resilience	Mr. NMSI Arambepola – ADPC
14.45 – 15.45	M4S3	Concepts of Mainstreaming DRM and other crosscutting issues	Ms. Lorna Victoria - CDP
15.45 – 16.00		Coffee / Tea Break	
16.00 – 17.00	M4S4	Generating community-sourced information for local DRR	Ms. Mayfourth Luneta – CDP
<b>Day 4 28<sup>th</sup> January 2010 : Module 4 Continues</b>			
08.30 – 08.45		Recapitulation	
08.45 –09.45	M4S5	Developing a Culture for Risk Reduction through Mainstreaming Disaster Risk Reduction at Local Level	Mr. NMSI Arambepola / Amit– ADPC
09.45 – 10.30	M4S6	Risk Reduction Action Planning -Planning for Future Risk (Action Planning Process)	Mr. NMSI Arambepola / Padma– ADPC
10.30 – 10.45		Coffee / Tea Break	
10.45 – 11.45	M4S7	Global Campaign for Urban Disaster Risk Reduction and Implementation of HFA	Ms. Yuki Matsuoka – UN ISDR
11.45 – 12.45		Lunch Break	
13.00 – 17.00		Field Visit to Marikina City / Makati city	ADPC/ CDP
19.00 – 22.00		Closing dinner	
<b>Day 5 29<sup>th</sup> January 2010 : Module 5: Planning for Change</b>			
08.30 – 08.45		Recapitulation	
08.45 – 09.20	M5S1	Stakeholder Analysis for planning	Mr. Amit Kumar-



09.20 – 11.00	M5S2	Participatory Planning (Role Play)	Ms Padma Karunaratne ADPC
11.00 – 11.15		Coffee / Tea Break	
11.15 – 12.30	M5S3	Performance Evaluation of DRM programs at local level - Philippines	DILG
12.30 - 13.30		Lunch Break	
<b>13.30 – 14.30</b>		<b>Course Evaluation and Closing Ceremony</b>	<b>ADPC</b>

## Annex - 2

### Day 2 – Group work – Module - 2

**Group 1** – What options can be suggested for improvements for tenure security?

1. Relocation in other areas within urban cities, villages
  - Moderate housing facilities
  - Low house rents
  - Minimum rent with moderate living standard conditions
  - Provide health care services
  - Water and sanitation facilities
  - Markets for trading and petty trading facilities
  - Create micro credit facilities
2. Forced demolition

**Group 2** - What options to reduce informal settlements?

1. Reducing emergency of new slums and informal settlements
  - Proper land use planning, zoning and subdivisions
  - Develop facilities and opportunities in rural areas
  - National / local authorities working together in developing plans and policies
  - Assisting poor people to build houses (land, loans)
  - Providing Housing facilities
  - Strict rules and regulations and demolition of un authorized constructions

**Group 3** - What option are suggested to reduce migration to urban areas

- Improved basic services
- Increased economic opportunities
- Strict regulations in urban areas
- Accessibility from rural areas to urban areas
- Develop tourist areas
- Political will and administration
- Natural climates
- Reward systems. Incentives'

**Day 4 – Group work**

**Module 4** Session 5 /6 : Developing a Culture for Risk Reduction through Mainstreaming Disaster Risk Reduction at Local Level and Risk reduction Action Planning -Planning for Future Risk (Action Planning Process)

**Group 1: Pre disaster action planning**

	Local Govt. responsible sector	Activities/ functions	Actions proposed for effective DRM mainstreaming			
			Admin	Finance	Political	Policy
1	Land use planning	<ul style="list-style-type: none"> <li>• Identify owner/ location/ area</li> <li>• Acquisition/ negotiation with the owner</li> <li>• Survey/ zoning allocation</li> </ul>	<ul style="list-style-type: none"> <li>• Develop guidelines for land use</li> </ul>	<ul style="list-style-type: none"> <li>• Allocate funds for acquisition</li> </ul>	<ul style="list-style-type: none"> <li>• Public representation and officials be proactive</li> </ul>	<ul style="list-style-type: none"> <li>• Revise and rebuild bye - laws</li> </ul>
2	Shelter and infrastructure development	<ul style="list-style-type: none"> <li>• Choose the decision/ prepare plans</li> <li>• Estimate the cost</li> <li>• Construction</li> </ul>	<ul style="list-style-type: none"> <li>• Develop specifications and guidelines</li> </ul>	<ul style="list-style-type: none"> <li>• Allocate funds for construction</li> </ul>	<ul style="list-style-type: none"> <li>• Commitment and involvement</li> </ul>	<ul style="list-style-type: none"> <li>• Policy for disaster friendly shelter and information should be developed</li> </ul>
3	Information coordination	<ul style="list-style-type: none"> <li>• Awareness building</li> <li>• Materials for construction</li> <li>• Deployment of community/ materials</li> </ul>	<ul style="list-style-type: none"> <li>• Setup programs for information dissemination</li> </ul>	<ul style="list-style-type: none"> <li>• Funds for setting up programs</li> </ul>	<ul style="list-style-type: none"> <li>• Commitment and involvement</li> </ul>	

**Group 2 – Immediate response action plans**

	Local Govt. responsible sector	Activities/ functions	Actions proposed for effective DRM mainstreaming			
			Admin	Finance	Political	Policy
1	Emergency service (Fire, ambulance and SAR)	Regulate emergency services <ul style="list-style-type: none"> <li>• Development training</li> <li>• Exposure visits</li> </ul>	Establish emergency regulations <ul style="list-style-type: none"> <li>• Training center</li> </ul>	Funds for capacity development <ul style="list-style-type: none"> <li>• Allocate funds</li> </ul> Exposure visits	Enhance political will Development training <ul style="list-style-type: none"> <li>• Exposure visits</li> </ul>	National policy in emergency services <ul style="list-style-type: none"> <li>• Bye – laws</li> <li>• Exposure visits</li> </ul>
	Solid Waste management	Introduce 3 R <ul style="list-style-type: none"> <li>• Expand garbage collection unit</li> <li>• Share experience</li> </ul>	Establish technical committee <ul style="list-style-type: none"> <li>• Strengthen admin procedure</li> </ul>	Capacity building and TC meetings <ul style="list-style-type: none"> <li>• Allocate funds</li> <li>• Collect revenue</li> </ul>	Improve political will of state Govt. <ul style="list-style-type: none"> <li>• Political support</li> </ul>	Adoption of bye laws
	Health and sanitation	Standardize health a & sanitation <ul style="list-style-type: none"> <li>• Develop standard trg course</li> <li>• Awareness for schools</li> </ul>	Establish a board of trustee <ul style="list-style-type: none"> <li>• Training</li> <li>• Training facilities</li> </ul>	Sourcing of funds & health care services from public sector <ul style="list-style-type: none"> <li>• Allocate funds</li> </ul>	Review health care policy <ul style="list-style-type: none"> <li>• Political commitment</li> </ul>	Adoption of policy <ul style="list-style-type: none"> <li>• Policy and law</li> </ul>

**Group 3 – Recovery and reconstruction action planning**

	Local Govt. responsible sector	Activities/ functions	Actions proposed for effective DRM mainstreaming			
			Admin	Finance	Political	Policy
1	Urban services and transport	<ul style="list-style-type: none"> <li>• Water supply</li> <li>• Road inventory</li> <li>• Electricity</li> </ul>	Ensure water supply regulations <ul style="list-style-type: none"> <li>• Develop guidelines and data collection</li> <li>• Plan and expansion for emergency</li> </ul>	<ul style="list-style-type: none"> <li>• Allocate funds</li> <li>• Budget for building maintenance</li> <li>• Requisition of prices and supplies</li> </ul>	<ul style="list-style-type: none"> <li>• Policy changes for services during emergency</li> <li>• Inspect and monitor</li> <li>• Regular coordination</li> </ul>	<ul style="list-style-type: none"> <li>• Develop and revise Bye Laws</li> <li>• Implement rules and regulations</li> <li>• develop regulations</li> </ul>
2	Budget allocation	<ul style="list-style-type: none"> <li>• Allocate by % for DRR Include</li> <li>• Fast incentives and disincentives</li> <li>• CBR</li> <li>• DRR</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure implementation</li> </ul>	<ul style="list-style-type: none"> <li>• Identify and allocate resources</li> </ul>	<ul style="list-style-type: none"> <li>• Improve political will of state Govt.</li> <li>• Political support</li> </ul>	<ul style="list-style-type: none"> <li>• Adaption of bye laws and regulations</li> </ul>
3	Welfare and relief	<ul style="list-style-type: none"> <li>• Plan to work with NGO and CBO</li> <li>• Improve coordination among stakeholders</li> <li>• Formation of committees</li> </ul>	<ul style="list-style-type: none"> <li>• Staff reallocation s</li> </ul>	<ul style="list-style-type: none"> <li>• Capacity building</li> <li>• Acquire resources</li> </ul>	<ul style="list-style-type: none"> <li>• Coordinate with other agencies</li> </ul>	<ul style="list-style-type: none"> <li>• Adoption of bye laws and regulations</li> </ul>

## **Day 4 – Group work**

### **Module 4 Session 5 /6 : Action Planning Process - DRR Planning process at city level**

#### **Group 1- What are the actions /TOR for city level DRM committees?**

- 1 Terms of reference
  - 1.1 Formulate plans and preparation of regulations for DRR
  - 1.2 Coordinate among stakeholders and meetings
  - 1.3 Implementation of plans and programs
  - 1.4 Formation of sub committees if required
  - 1.5 Review progress of DRR plans
  - 1.6 Formulate report
  - 1.7 Memberships and networks

#### **Group 2 – Who are the Members for city level DRM committees?**

- 2.1 Mayor's office staff
- 2.2 Police
- 2.3 Bureau of fire Emergency
- 2.4 Local Govt. authorities
- 2.5 Religious leaders
- 2.6 Civil society groups
- 2.7 CBOs and NGOs
- 2.8 UN agencies
- 2.9 Academia
- 2.10 Elderly people, senior citizens
- 2.11 Health Dept.
- 2.12 Defence Ministry
- 2.13 National disaster coordination council
- 2.14 Cluster emergency committees

#### **Group 3 - Criteria identifying and prioritizing actions**

- 3.1 Locate risk areas
- 3.2 Vulnerability (elders, children, women, disabled)
- 3.3 Accessibility of all aspects
- 3.4 Coverage/ Stakeholders
- 3.5 Resources and budget
- 3.6 Responsibility and partnership
- 3.7 Disaster encounter age

## Day 5 – Group work

### **Module 5 – Role play - Mainstreaming DRR in Urban Development Process with participatory approach**

#### **Session 1 - Explanation at the meeting with the Mayor**

**Group 1 – City Development Committee** – Explanation for approving, procedures, how it is linked with the city development planning and disaster risk reduction)

1. Will give alternative solutions for waste and sewerage disposal
2. Fishing community – will be rehabilitated or provided with other livelihood opportunities
3. Agreement with neighbouring local authority for paying annual fee for services
4. Important as a part of planned city
5. Many people will have houses
6. Good for economy – increased revenue

**Group 2 - Members of company and other business oriented groups** - Explanation on advantages of the project, direct, indirect, tangible and intangible benefits to community, economy and city as a whole

1. Houses are as PPP initiative
2. Improve revenue and will be a prime residential area
3. Company has experience in other part of the country and so far no problems over stability and strength of houses
4. City was informed on DM plans
5. Possible way of climate change adaptation
6. Promise to follow up on maintenance of houses and services
7. Industrial zone will have benefits as zonal arrangements, economic benefits and easy transport of products

**Group 3 – Public representation** – Explanation of problems they face with regard to disasters, negative impacts of the project and need for immediate attention on overall Disaster Management Plan-

1. Project is not community friendly
2. Doubts on maintaining services, how far sustainable?
3. Whether displaced persons at the site will get houses?
4. Money is available for drainage and sewerage improvements which is not in the company's duties
5. A serious problem for ecological balance
6. Govt. does not look into scientific innovations
7. What will be the future of fishing community
8. Discrimination for the vulnerable groups

#### **Mayor' comments after the first round**

1. Does not agree with discrimination – 8000 middle & low income families get houses
2. City understands the lifestyle of the people

3. Project is not only for fund generation but a part of city development
4. If the problem is so serious, city will do a feasibility study and relocation of the site can be considered
5. Plans will be submitted to public

### **Open Forum**

1. Fishing community concerns on their livelihood. They can't live far from the sea / lagoon.
2. Few people get benefits, Does the city has funds for Drainage and sewerage improvements?
3. Requested the company to do drainage improvements also.
4. Company does not agree for additional improvement as it will be very expensive to increase capacity of main drainage system
5. If it is to be relocate, City has to give alternative sites
6. Time has come to change traditional way of fishing cages. Use new technologies
7. Who will give initial support for new technology?
8. Company agrees for a new location and to keep flood retention area
9. Mayor - request to consider more on demographic data for the new relocation sit

### **Session 2 – After compromising**

#### **Group1 – City Development Committee –**

1. EIA will be done for the present and for proposed site
2. Round table discussion with the national govt
3. LA will have a consultation workshop with all stakeholders
4. Will get support from CBOs and NGOs for livelihood development including fishing community
5. Vocational training and provide job opportunities at the industrial zone
6. Develop proper DM plan
7. Will seek additional support from the central govt for Drainage and sewerage improvements

#### **Group 2 - Members of company and other business oriented groups**

1. Will consider broadly on the perspective
2. Will consider livelihood opportunities
3. Will consider safer and sustainable community
4. Work with society to give a comprehensive livelihood program'
5. City should provide market for livelihood / product
6. Obtain funds from Central Govt. for major waste disposal improvements
7. Will do a stake holder analysis



8. Win – Win solution
9. Introduce more “green building” concept for solid waste management/ drainage/ sewerage
10. Company will set up a sewerage treatment plant as a temporary measure
11. Building good rapport with the community

**Group 3 – Public representation**

1. Expect transparency in all activities'
2. Involve the public in all aspects,
3. Do an EIA
4. Consider acceptable livelihood development for the community
5. Concrete mitigation measures
6. Continuous engagement and consultation with the community groups including media
7. Alternative site?
8. Contingency plan

## Inauguration



## Sessions in Progress



# Visiting Sites



## Group Activities

LOCAL GOV'T RESPONSIBILITY SECTOR	ACTIVITIES + FUNCTIONS	ACTIONS PROPOSED FOR EFFECTIVE PER-		
		ADMINISTRATIVE	FINANCIAL	POLITICAL
1. LAND USE PLANNING	<ol style="list-style-type: none"> <li>1. IDENTIFY THE OWNER/ LOCATION/ AREA/</li> <li>2. ACQUISITION/ RELOCATION WITH THE OWNER</li> <li>3. SURVEY/ ZONING/ ALLOCATION</li> </ol>	DEVELOP GUIDELINES FOR LAND USE	FUNDS FOR ACQUISITION (COLLECTED)	PUBLIC PARTICIPATION + THE OFFICERS SHOULD BE PROACTIVE
2. SHELTER + INFRASTRUCTURE DEV'T	<ol style="list-style-type: none"> <li>1. CHOOSE THE DESIGN/ PRE-PAID PLANS</li> <li>2. ESTIMATE THE COST</li> <li>3. CONSTRUCTION</li> </ol>	DEVELOP SPECIFICATIONS + GUIDELINES	FUNDS FOR CONSTRUCTION (COLLECTED)	COMMITMENT + IMPLEMENTATION
3. TRANSPARENCY + COMMUNICATION	<ol style="list-style-type: none"> <li>1. ANALYSES, POLICIES</li> <li>2. MATERIALS FOR COMMUNICATION</li> <li>3. DEVELOPMENT OF COMMUNICATION STRATEGIES</li> </ol>	SET UP PROTOCOLS FOR INFO DISSEMINATION	FUNDS FOR SETTING UP THE PROGRAM	COMMITMENT + IMPLEMENTATION









→ Relocation in other areas within the urban cities / Urban Villages







- Moderate housing facilities.
- low house rents
- Minimum rent and Moderate living Standard Conditions.
- Provide Health Care Services
- Water & Sanitation facilities
- Market Systems for Trade and Petty trading facilities
- Create Micro Credit facilities







- Forced Demolition



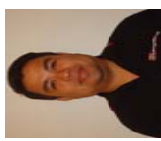




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