



Empowered lives.  
Resilient nations.

## Comprehensive Disaster Management Programme (CDMP II) Ministry of Disaster Management and Relief

# Disaster Resilient Habitat, Bangladesh An Alternative Comprehensive Approach to Disaster Risk Reduction and Climate Change Adaptation

*“Investing in a safer tomorrow by reducing risks from disaster and climate change through community-managed comprehensive programme for better living and social protection”*

### WHAT?

“Resilient Habitat” is an alternative approach in disaster risk reduction and climate change adaptation targeting the most vulnerable communities. Expanding the last decade’s introduction of individual small to medium scale DRR/CCA interventions, the government along with the donors mobilizes the Comprehensive Disaster Management Programme (CDMP) to introduce a range of interventions that aggregately protect life & asset by uplifting people from extreme poverty.



### HOW?

The Resilient Habitat engages technology, physical and social infrastructure, local knowledge and social capital to complement the available resources to promote resilience through better living. And thus in the event of major disasters, the at-risk communities avert themselves from mass displacement, destruction of assets, and the expensive rehabilitation or reconstruction afterwards. With the price of one cyclone shelter, the Resilient Habitat helps fortify and concurrently uplift the living conditions of a larger number of the most vulnerable communities.



### THE SALIENT FEATURES

**Structural Safety:** cyclone resilient structural design, based on 100 years tidal surge and 215 KM/per hour wind safety measures, saline proof structure etc.

**Adaptation Interventions:** renewable energy, rain water harvesting, etc.

**Social Protection:** children’s school program, health care etc.

**Sustainable Livelihood:** common grazing land, mini-dairy farm, aquaculture ponds, fishery supports, common production centre etc.

**Early Warning:** community warning, dissemination by and through volunteers, and telecommunication transmission

**Natural Ecosystem:** wind breaking tree plantation sustainable land and water management.

**Community-managed:** to be self-governed by local committees.

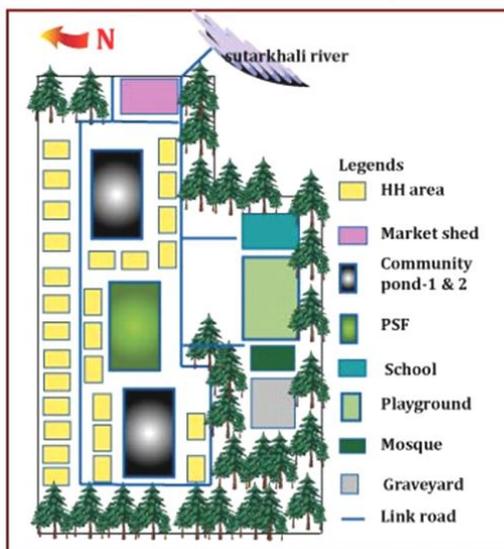
## PROGRESS

### ESTABLISHMENT OF DISASTER RESILIENT HABITAT IN AILA AFFECTED AREA OF BAINPARA IN SUTERKHALI UNION UNDER DACOPE UPAZILA OF KHULNA DISTRICT

Name of proposed model village	Approach	Benefited HH	Budget BDT	Area (acres)
Bainpara	Plinth construction and HH raising of new cluster through purchasing land with livelihood support.	58	2,80,92,311.00	7.40

#### Major components

1. House construction (Number of house-58)
2. Homestead area raising
3. Latrine construction
4. Rain water harvester construction
5. PSF construction
6. Pond excavation
7. Oven/ Modern chula installation
8. Solar system installation
9. Tree plantation
10. School cum community center construction
11. Market shed construction
12. Drainage facilities
13. Mosque construction
14. Compost plant
15. Homestead garden preparation
16. School field preparation
17. Eidgah
18. Graveyard



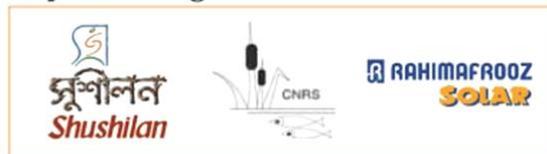
#### Livelihood support

- Vegetable gardening
- Wood and carpenter support
- livestock support (duck, poultry)
- Handicraft
- Fish culture
- Net-boat support
- Crab fattening
- Tailoring
- Grocery shop support
- Hawker
- Tea stall
- Saloon
- Fish/ shrimp traders
- Small traders

#### Capacity Development

- Early Warning System and Disaster preparedness
- Technology dissemination
- O and M plant
- Organization development
- CBO formation
- Youth committee formation
- Women committee
- Farmers group
- Central committee formation

#### Implementing Partner



Coordinated by:  
UzDMC and UDMC

#### Highlights

- Detail baseline survey completed
- Mapping, landscape planning and designing of the habitat completed
- 58 Housing materials transported to Bainpara site
- Second defense ring road repairing continues
- Earthwork is ongoing for preparing community link road
- Livelihood training need assessment almost completed
- Preparation of training module ongoing
- Land demarcated for pond excavation and excavation work in progress

## PROGRESS UPDATE

### DISASTER RESILIENT HABITAT, (BAINPARA)

Progress as of 31 December, 2012

Subject Areas	Description of activities/services to be performed	Activity Timeline	Project Target	Achievements as on 31 December 2012	
<b>Disaster Resilient Habitat 1</b>  <b>Location:</b> Village: Bainpara, Union: Shutarkhali, Upazila: Dacope, District: Khulna	Detail Base line survey (CNRS)	August to September 2011	58	58 (qualitative survey, training & field survey for baseline has done.) Here achievement 100%. Draft Report completed & submitted	
	Mapping, landscape planning and Designing (CNRS)	August to September 2011	01	01 (social landscape planning and design has done) Here achievement 100%.	
	House Materials Transportation	August to September 2011	58	58 Here achievement 100%	
	House Installation	November 2011 to January 2012	58	58 (structure installation 100% achievement) Plaster, door and window settings- here overall achievement 100%	
	New Land Development		May to August 2011	Land purchase 740 acres	100%
				Earth work & Sand filling Section:1 length: 380 fit, width: 205 fit Section: 2 Length: 795 fit, width: 305 fit, Height: 4 fit	100%
	Latrine instillation	December 2011 to February 2012	58	100%	
	Rainwater Harvester	December to February 2011	58	100%	
	PSF instillation	December 2011 to January 2012	01	100%	
	Modern Oven installation	June 2012 to January 2013	58	58 Purchasing process is ongoing	
	Development of Market Shade	June 2012 to January 2013	01	01 Designing & estimating place demarcation, materials purchase, mason conformation has completed- here overall achievement 45%	
	Establish drainage system (Chember-tank and PVC pipe)	July to January 2013	01	01 Designing complete and others activity is ongoing	
Cyclone Center Cum (School,	January 2012 to February	01	01		

Subject Areas	Description of activities/services to be performed	Activity Timeline	Project Target	Achievements as on 31 December 2012
	Health center, Information center, Community meeting room)	2013		Soil test, Designing, estimation, materials purchasing, earth work and others activities are ongoing. Total achievement 70%
	Community Common Board with solar panel and first aid	January 2012	01	100%
	Solar panel installation	November 2011 to February 2012	58	100%
	Community Health center and recreation room Solar with TV cost (Rahim Afroz)	October 2012	01	01 On process
	Community Link Road	June to December 2012	01	01 Earthwork is on going Here achievement 90%
	Livelihood support	November 2012 to February 2013	58	Opportunities survey has completed. 20% support has provided
	Tree plantation	June to September 2012		Here achievement 100%
	Support for MLF training	September 2011 to February 2012	One person	Completed, 100%
	Support for Paramedics training	September 2011 to February 2012	One person	Completed, 100%
	Support for Veterinary training	September 2011 to February 2012	One person	Completed, 100%
	Training on Early Warning	November 2011	One batch (25 person in each batch)	Completed, 100%
	Training on Disaster preparedness	December 2011	One batch (25 person in each batch)	Completed, 100%
	Training on Agricultural technology transfer	November 2011	One batch (25 person in each batch)	Completed, 100%
	Training on O&M	January 2012	One batch (25 person in each batch)	Completed, 100%
	Organizational development Training	January 2012	One batch (25 person in each batch)	Completed, 100%
<b>Financial Progress</b>			<b>2,80,92,312.00</b>	<b>2,76,56,867.00</b>



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### RESILIENT HABITAT

### BANGLADESH' ALTERNATIVE APPROACH TO REDUCING RISK FROM DISASTER AND CLIMATE CHANGE



Unruly River is slowly engulfing the Bainpara Primary School piece by piece. For safety the school is shifted to another temporary location



Students gathered in their temporary classrooms. Once there were more than 250 students, now only a few hundred attend the school. Classes are cut short before the high tide every day to ensure the safe return of the students to their homes.



Nur Mohammad (11) lives with her parents and two sisters in a small one-room makeshift shelter. He had no way to study at home. Classes have not been regular since the cyclone. He barely passed the last final examination. "My class room has a big hole on the floor. We can see the water running underneath." He misses the big playground of his old school. The children of the village had place to play. "It is nothing like playing football with all your friends" he explains.



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Koppor Bibi (70) is waiting by the road for the water to recede to go back to her home. She is too old to cross the feeble bamboo bridge. Once the water is gone, her daughter in law will help her to cross.



CDMP II in cooperation with SUSHILAN, a local NGO, contributing to the recovery from the impacts of the 2009 Cyclone Alla, implements the Resilient Habitat approach in Bainpapr and Gazipara, of SutherKhali Unions in Dakope Upazila of Khulna District in the south-western coast of Bangladesh.

The two villages are amongst ten targeted villages to rapidly generate lessons learnt towards a broader scaling up to other vulnerable areas.

[www.cdmp.org.bd](http://www.cdmp.org.bd)