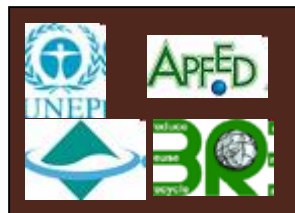


Sustainable Solid Waste Management Through Women Participation in Gokarneswor (VDC) of Kathmandu Valley, Nepal



APFED Showcase Project- 2007

Maneesha Shakya
Marsyangdi Rural Development Organization (MARDO)
Kathmandu, Nepal



Presentation Outlines

1. Background of project site
2. Key objectives of the project
3. Motivation for 3R implementation
4. Project key activities
5. Project Impacts
6. Lesson Learnt

Background of project site: Gokarneswor Village





Key Objectives of the Project

- Environmental protection
- Awareness raising campaigns
- Income generation for women through trainings
- Remove the social stigmas and taboos about waste and changing the perception



Motivation for 3R concept implementation

- Does not lie in municipality area
- None of the organization is responsible for managing solid wastes
- The wastes are mixed
- People dump solid wastes into open areas or inside forest or along river banks or throw into the river
- People are not aware of environmental importance and its management





Project Key Activities

Activity 1: Coordination, Management and Technical Assistance

Activity 2: Establishment of Waste Management Demonstration Parks

Activity 3: Solid Waste Management (SWM) through Women Participation

Activity 4: Benchmark study of waste disposal in public place and rivers

Activity 5: Support for income generating activities

Activity 6: Waste Management Education and Awareness campaigns



Coordination, Management and Technical Assistance

- Establishment of formal and informal partnership
- Defining roles and responsibilities
- Providing technical assistance and developing materials and tools for program execution



Stakeholders: Local people, Youth Club members, Women group (Mahila Samuha), Village Development Committee members, Priests, DC Nepal



Establishment of Waste Management Demonstration Park

- The sloppy land used for dumping the waste; was used for constructing the park



Contd..

Some more glimpses...



- The park is now used as place for interaction; recreational area and to enjoy the view of the nearby temple
- After the project completion, park was handed over to Temple Development Committee.
- Women from the village plant flowers in the park to enhance the aesthetic value of the vicinity



Solid Waste Management (SWM) through Women participation



- Training on segregation of the organic and inorganic wastes and appropriate use of compost bin
- 90% of waste generated is organic
- Use of the compost is agricultural fields

- 70 households were distributed with compost bins of capacity of 100 L
- Bins were distributed to those HHs where there is no practice of composting at all

Marsyangdi Rural Development Organization (MARDO)



Contd...

Few more Glimpses..



- On an average, 100 L compost bin would yield around 10-15 kg of compost in one filling



Ready to use Compost



Managing Inorganic Wastes



- Use of plastics to make plastic crafts (mats, ropes, tea mats) for their own purpose
- Collect of milk wrappers and sell in bulk (NRs. 12 per Kg)
- Contribute to lower the waste generation
- Use of plastic bottles to store drinking water
- Use of jute bags replacing the poly bags

Support for income generation



- Not only MARDO provided financial support and trainings on mushroom cultivation, the interested women were also taken to exposure visits
- 30 HHs adopted mushroom cultivation
- Shifted to mushroom cultivation as it has many advantages over wool knitting





Benchmark Study of Waste Disposal in Public Places and Rivers

- Photographic documentation of major area of waste disposal within village area like River Banks, public places and hill slopes.
- These documentations are useful to monitor the progress and achievements made by the project on changing the people's behavior.



- Drastic positive changes have been noticed after the completion of the project

Altogether 7 reference points are selected in the village area to see the changes in solid waste dumping



Waste management Education & Awareness campaign



- Formation of Eco-clubs in schools and active participation by the students on the events such as Essay, Painting competition

Altogether 173 students of 7 schools have been involved in awareness campaign and eco-club formation

Project Impacts

- Practices of Solid Waste Management
 - Segregation of the waste
 - Use of compost bins
 - Weekly clean up program
- Establishment of recreational park
- Behavioral and perceptual changes towards waste





Unfortunately...

- The mushroom cultivation was not continued soon after the completion of project

Reasons:

- Lack of space
- Lack of funds for large scale cultivation



Lesson learned ..

- For the successful programs to be implemented, people should be provided with incentives (income generating activities)
- These activities become sustainable only if it is of their interest (It is a lesson learnt from the mushroom cultivation)

Acknowledgements

- The Asia-Pacific Forum for Environment and Development (APFED) for providing financial to support this project an invitation for workshop
- The organizers providing opportunity to present project progress
- TERI for supervising the project





Thank You