

Cooperation Fund for the Water Sector

**Pilot Demonstration Activity
Request Form**

Activity Title: Clean River Program for Urban Poor in Nantai Island	
Proposer (Name, Div/Dept): A. Leung/ S. Handayani, ECSS/ECRD	
Request Date: 15 October 2003	
Region: ECRD	Country: PRC
Activity Start Date: August 2004	Activity End Date: February 2005
Cost Estimate: \$50,000	
Implementing Organization Contact: Fuzhou Municipal Government	
Consultant Identified: No	If so, Consultant(s) Contact: tbd

Short Description:

1. Background and Rational:

It has become obvious in the water sector that water supply has to go hand-in-hand with sanitation and hygiene education if real progress is to be made in improving the health and wellbeing of the poor. Evidence shows that provision of adequate safe water supply, sanitation service, and hygiene education is an effective health intervention. It reduces the mortality caused by diarrhea diseases by an average of 65% and the related morbidity by 26%¹. Lack of facilities and poor hygiene behaviors all contribute to the poor health and indignities that poor people mostly suffers. Notably, improved sanitation and knowledge on hygiene make a vital contribution to better livelihood, especially for the poor and vulnerable groups. Despite these apparent benefits, hygiene promotion and education appears to be relatively low priority compared with other livelihood needs.

The Fuzhou Environmental Improvement project (the Project) key objective is to improve living conditions and public health of about 1.4 million people in which around 7% are categorized as urban poor in Fuzhou City. One of the project components is rehabilitation of Nantai Island inland river system. Nantai Island divides Min River into southern and northern branches in Fuzhou. It has more than 40 inland rivers and these inland rivers have played major roles as drainage systems for sewerage and rainstorms and all discharge to the Min River. Nantai Island used to be agricultural land with no centralized wastewater treatment facilities. All domestic and industrial wastewaters discharge directly to the nearest inland rivers. In addition, most of the households along the rivers dump their solid waste to the rivers, which create more pollution to the rivers. This pollution has lead to the deterioration of the water quality in the river. The water quality in these rivers is worse than the lowest national standard of Class V - polluted. The Project supports the Fuzhou Urban Master Plan, which designates Nantai Island for rapid urban development, through rehabilitating the inland rivers and upgrading the environment of the Island. To maximize the project benefits, particularly to the urban poor, a hygiene educational program is needed. This pilot program will cover 50 villages in Nantai Island inland river system and will benefits approximately 2,000 households.

¹ WHO/UNICEF, Annual Report.2000.

2. Objectives:

The main purpose of the project is to empower community to take ownership of the project for sustainable water and sanitation management. The specific objectives of the project are to: (i) Improve public awareness among the urban households, particularly the poor on the benefits of improved household-level hygiene and sanitation practices, and (ii) facilitate the participation of all stakeholders, particularly urban poor and women to involve actively in managing and maintaining clean river programs.

3. Scope of Work/Description of Activities:

The scope of work for the pilot program includes:

(i) Assessment and consultations with urban poor on their needs, constraints, and awareness of hygiene and sanitation practices; (ii) develop public awareness programs, including printed materials for encouraging household-level sanitation practices; (iii) training-of-trainers for community leaders for conducting awareness campaign to households levels and involve actively in Project's planning, implementation and follow-up; (iv) develop monitoring program to assess impact of the program in river's quality, household's hygiene and sanitation quality and community participation in improving quality of water and sanitation; and (v) documentation of the result of pilot program.

4. Implementation Schedule, Institutional Management Arrangements, and Proponent Qualifications:

The pilot program will be conducted intermittently for six months from August 2004 to February 2005. The proposed EA would be the Fuzhou Municipal Government. The Fuzhou ADB's Project Management Office (PMO) and Nantai Island Inland River Management Company will be primary implementers with the assistance and involvement of the Fuzhou Environmental Protection Bureau. The implementers will work closely with village committee, village women's committee and other community-based organizations in the project area.

5. Expected Results (outputs/outcomes/impacts):

The key anticipated output is a model hygiene awareness program and community-based for household's solid waste collection service that is self-sustaining and can be replicated in other DMCs cities. Anticipated outcomes include: (i) improved awareness of urban households on managing clean water sources, hygiene and sanitation, and (ii) create partnership between local government and community in maintaining rivers' quality.

6. Measurable Performance Indicators:

The performance and effectiveness of the program will be determined through quantitative and qualitative indicators. Independent monitoring and evaluation adviser will assist the executing agency to conduct M&E. The qualitative monitoring and evaluation, which will be done through interviews and focus groups discussion, will focus on the following: (i) effectiveness in achieving the objectives of the program; (ii) assessment of whether the program increases capacity of targeted communities to mobilize action towards sustainable river and improvement on water quality; (iii) heightened awareness of environmental problems affecting the river and water environment due to social and cultural causes; and (iv) increase dialogue among key stakeholder, particularly among local government, communities, and private sector concerning sustainable development and use of the river and water;

Some quantitative results would be : (i) 5-10 rivers in Nantai Island will be cleaner with better quality of water; (ii) 80 community leaders (half men and half women) will become hygiene promoters; and (iii) 2,000 households will receive hygiene education program and community-based solid waste disposal services.

7. Stakeholder Participation:

Government official municipal level, villages committees, community members, particularly urban poor and women, and community-based organizations will play a central role in designing and implementing the pilot activities through participatory process. The pilot model will demonstrate that community or user participation makes services and service providers more responsive and accountable to beneficiaries.

8. Scope for Replication/Use in Other DMCs:

The pilot model would be possible to replicate to all developing member countries (DMCs), particularly in the PRC that have urban poor with potential access to clean water and sanitation system. The flyers, booklet, and video will be produced for educational campaign in schools, communities around Fuzhou area. The applicability in other region in the PRC will be assessed through the monitoring and evaluation phases and independent consultant would conduct this assessment and it would be a high priority project outcome.

9. Cost Estimate²:

Item	Activities	Unit/Price	US\$
Trainers and facilitators	Training of trainers (4 times) for 80 informal community leaders (men and women)	2 trainers for 3 person-months each (including domestic transport)	12,500
Awareness campaigns to 50 villages	25 community forums	400 per forum	10,000
Communication and publications	Materials for training, fliers, booklets, reports and dissemination of lesson learnt, video		10,000
Program Management and operation costs	Reporting	1,000/month	6,000
Monitoring and evaluation adviser	Formative evaluation and comparative analysis	1.5 person-months (including domestic travel)	7,500
Contingency	Unforeseen expenses		4,000
Total Budget			50,000

² The Government and community would provide in-kind contribution such as office space, community hall, full-time staff, technical expertise and local transportation.