

## PARTNERSHIP INITIATIVES INFORMATION SHEET

**Name of partnership:** Silver Ceramic Systems

**Expected timeframe:** Start: (month/year) 01/05 to End: (month/year) indefinite

Partnership website (if any): [www.purifier.com.np](http://www.purifier.com.np)

**Partners involved** (Please identify, for each relevant type, the names of all partners involved in the partnership.)

**Other**<sup>a</sup> (name of organization, country):

Silver Ceramic Systems, USA

W.H.O. administered, International Network to Promote Household Water Treatment

### Lead partners

**Anthony Reid Harvey, SCS, 508 829-4959, [purifier@localnet.com](mailto:purifier@localnet.com)**

Reference: Bruce Gordon, WHO for the Network, Tel: (Switzerland) +4122 791 2728, [gordonb@who.int](mailto:gordonb@who.int)

### Themes involved

#### Primary focus/theme

Water

#### Secondary focus/theme

Health and sustainable development

Poverty eradication

**Geographic scope:** Global

### Please identify every country where the partnership is being implemented:

Nepal, Philippines, Indonesia, Kenya (prototype development)

### Partnership goals and objectives:

Pottery Purifier are small sized, silver treated water filters that are for household treatment. These remove the harmful bacteria as well as particles. The systems are intended to meet the Network goals of being: 1. effective, 2. user-friendly, 3. very low cost, and 4. sustainable anywhere. Pottery purifiers provide the only model extant, for a *small* silver ceramic filter element, which can be replicated anywhere.

### Partnership targets (quantifiable or other):

First field use is being successfully complete in Nepal, by the implementing collaborator, International Development Enterprises.

### Progress against targets

Systems in the vulnerable communities have indicated a scope for marketing. Silver solution made in Nepal by the project has been applied successfully, a first ever. The pottery purifier systems have been offered for tsunami relief.

### Arrangements for capacity-building and technology transfer (if relevant):

Human resources development/training

Institutional strengthening, including local participation

Technology transfer/exchange

A local potter has produced the filters in Nepal, and IDE Nepal has treated these with silver, assembled systems and placed in the vulnerable communities. Monitoring and assessment has been carried out.

### Coordination mechanism of the Partnership:

At least six weeks of training is needed, in order to familiarize potters and those treating with silver and assembling systems. Organizational implementers need to have their own capacity to do hygiene education, monitoring and assessment. A health impact study may be considered to be a desirable component..

### Implementation mechanism of the Partnership:

As the developer of the pottery purifier, Silver Ceramic Systems is prepared to partner with any organization that is in a position to implement a project similar to that of IDE Nepal.

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<sup>a</sup> Other organizations e.g. academic institutions, media, etc.

Please indicate how the partnership contributes to the implementation of [Agenda 21](#), the [Programme for the Further Implementation of Agenda 21](#), and/or the [Johannesburg Plan of Implementation](#).<sup>b</sup>

1. The provision of clean drinking water. Furthermore the system is user-friendly, very low cost and sustainable.
2. Low cost sanitation, as per the link: [www.purifier.com.np/silsanpot.html](http://www.purifier.com.np/silsanpot.html)
3. Helps eradicate poverty as per the reduction of diarrheal illness.
4. Promotes livelihood development for the many persons involved in water system technology, at the village level.
5. Promotes small scale industrial development.
6. Reduces the burden on women as the primary care givers.
7. Promotes sound environmental practices.
8. Promotes use of local resources with little recourse to costly imports.
9. Allows the poor to purchase goods and service from their neighbors, of similar low income.
10. Minimizes time lost in caring for sick members of a family.
11. Many others.

**Resources:**

**Funding currently available:** Amount in US\$ 0

The IDE Nepal project was carried out with \$20,000, given through the National Philanthropic Trust, USA.

**Additional funding sought:** Amount in US\$ ~\$125,000

**Specify source(s) already approached:** The Rockefeller Foundation, Nairobi, Kenya. Pending application.

**Non-financial resources available:** Computers and Staff

**Source(s):** Private sector

**Specify source(s):** Projects have begun in the other countries, with their own funding already located.

**Non-financial resources sought:** Computers and Staff

**Additional Relevant Information:**

Policy makers in water and health, largely via the Network, have recently come to understand that proper hygiene and partnership alone will not bring about the the achievement of the Millennium Development Goals. Specific household technologies are key. As such the pottery purifier is low cost and appropriate, and stands out in it's capacity, in a single step, to remove not only bacteria but also particles.

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<sup>b</sup> Copies of these documents are available by following the links given or visiting the following page of the CSD Secretariat website: [www.un.org/esa/sustdev/partnerships/partnerships\\_registration](http://www.un.org/esa/sustdev/partnerships/partnerships_registration)