



January 14, 2005

OFFICE OF THE DIRECTOR

Dear Community Member,

The Indian Ocean tsunami's death toll is now more than 160,000. At least 500,000 are seriously injured, and 5 million are homeless and lacking, among many other things, sanitation and safe drinking water. Many of you have expressed a desire to help, so we would like to suggest a unique opportunity that builds on efficient ultraviolet water purification technology developed here at Berkeley.



Community water system installation

Berkeley Lab scientist Dr. Ashok Gadgil is the inventor of "UV Waterworks," a device that can purify drinking water for a refugee camp or a village of 2,000 for about one cent per person per week. Its core is a 40-Watt germicidal lamp suspended above a steel channel of flowing water. The UV light disables viruses and bacteria. For emergency relief use, WaterHealth International (<http://www.waterhealth.com/>), the company manufacturing the technology, has enhanced this core with raw and clean water tanks, pumps, filters, and electronic controllers.

WHI will ship these devices on a cost recovery basis, for about \$10,000 per unit, forgoing their normal profit on the product. This cost includes shipping, installing the device, commissioning it, training the local community to use it, and providing spare parts and maintenance for five years. These units are easy to transport. They can be moved from refugee camps to permanent sites for water systems as community reconstruction progresses.

Through a cooperative effort between WHI and several organizations, including the International Finance Corporation (IFC), philanthropic entities and Global Giving, there exists the ability to leverage a \$1 tax-deductible contribution to achieve \$4 of direct relief in Sri Lanka and India. (See <http://globalgiving.com/871> for Sri Lanka, and <http://globalgiving.com/872> for India).

If you are considering making a donation to help the victims of the tsunami, please consider this generous matching contribution to provide disinfected drinking water and a long-term infrastructure to keep that water clean and safe. Your donation will not only help the survivors stay alive, it will provide them with a sustainable supply of safe drinking water for the long term, as they rebuild their lives and communities.

Sincerely,

Steve Chu, Director, LBNL

Arthur H. Rosenfeld, Commissioner,
California Energy Commission

Make your donation at
<http://globalgiving.com/871> for
Sri Lanka and
<http://globalgiving.com/872> for
India. Your donation is tax-
deductible.

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