



## February 07 Newsletter

EngineerAid would firstly like to thank all of our volunteers and supporters who have helped us to become this successful and solve an ever increasing number of enquires, which are having a significant impact in communities across the developing world. EngineerAid continues to grow if you would like to make a donation please visit our new website to see details.



### Innovation Challenge

EngineerAid has teamed up with the Institute of Chemical Engineering (IChemE) and the Chemical Industries Association (CIA) to offer our engineers the opportunity to take part in a 'Scrapheap Challenge' like event at the Edinburgh Training Centre on **24th March 2007**.

This will be a free to attend team building event, which will provide delegates with an opportunity to develop and practice team working, communication and leadership skills whilst networking with other engineers, raise much needed awareness and money for EngineerAid and make a difference to the Third World.

For more details on the event and to book a place, follow the links from the EngineerAid website or email [challenge@engineeraid.com](mailto:challenge@engineeraid.com). We hope to see you there.

EngineerAid is dependent on your support in the form of funding, services and resources for long term sustainability. Please help us and make a donation. Visit our website or mail [contact@engineeraid.com](mailto:contact@engineeraid.com) for details

### Volunteers

EngineerAid is going through a growth stage at the moment and are looking to recruit more engineers to help solve the ever increasing number of enquiries that we are receiving. If you, or someone you know would like to volunteer, please visit our website to find out how you can make a difference.

### AstraZeneca

AstraZeneca recently sponsored a project development phase which allowed EngineerAid to significantly increase its market awareness amongst other charities as well as amongst the communities we are looking to support across the world. EngineerAid would like to express our gratitude to AstraZeneca for making this phase possible.

### EngineerAid Builds Partnerships

In the last few months EngineerAid has been working towards forming a number of long-term partnerships that will see us working together with other charities around the world.

EngineerAid has joined the Scottish Malawi Partnership which promotes the links between Scotland and Malawi by providing links between government and charities who are currently working in Malawi.

EngineerAid has also formed strong links with the Nabuur Organisation which provides an online medium to link people across the globe to support development. EngineerAid's volunteers are able to support this organisation to overcome specific engineering problems that are encountered.

### EngineerAid's Reach

EngineerAid has now helped people in over 33 countries




### Website

In the last few months EngineerAid has been working hard to improve the EngineerAid web portal. This new website has been now launched. We are also now working on improving in the interface between volunteer engineers, enquirers and EngineerAid, and hope to have a Member's Area in place soon. We hope that you will all like the changes and look forward to getting your feedback.

[www.engineeraid.com](http://www.engineeraid.com)



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## Enquiry of the Month

### SpotLight on: Rural Gurgaon



Rural Gurgaon (India) faces serious water problems; rainfall is only 43% of the national average, there is minimal rainwater harvest infrastructure, groundwater is over-exploited, ecological degradation compounds problems of re-charge, and the drinking water supply is not adequately managed. The latter include poor maintenance of pump houses and other infrastructure, as well as water leakage and pilferage in some areas.

Available water is extremely saline and after attempts at rain water harvesting through recharge wells, a local organisation contacted EngineerAid to provide technical solutions.



Village Karheda has a ground water table which is just 4-7 feet deep and the water is highly saline - even cattle don't drink this water. In Karheda there are 52 open wells but all have saline water now. Village Ghagas, 3-4 kms from Karheda (in the foothills of Aravali range) and has sweet ground water. This village supplies water to eight nearby villages including Karheda through the public health water supply line. Often the water supply is disrupted and during this non supply period people (mostly ladies) need to walk to Ghagas to fetch drinking water.

To survive, people are forced to mix the sweet water from Ghagas with the saline water. The sweet water either gets mixed with the saline water of well and dilutes the salinity or forms a layer of sweet water floating over the saline one (as it has lower density).

EngineerAid contacted several engineers, and who were able to produce detailed documents investigating the underlying causes, demand management, piped water supply, maximizing rainwater and piped water storage and use, and water treatment. This will help the communities to have access to clean drinking water as well as irrigation for their crops. Once implemented, this project will provide a long term benefit to the community with EngineerAid playing a crucial part in the solution to this problem. EngineerAid would like to thank all the engineers who took part in this project as well as AstraZeneca whose sponsorship helped our engineers to make a meaningful long term difference to the Gurgaon community.



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