

# DM 2005 Project Implementation PROGRESS REPORT

[08/17/2006]



الجمهورية اليمنية • وزارة المياه والبيئة  
Republic of Yemen • Ministry of Water and Environment

In order to ensure transparency, accountability, as well as to share lessons learned, we will post this Progress Report on the Development Marketplace website at [www.developmentmarketplace.org](http://www.developmentmarketplace.org). However, if you would like to share any sensitive information with us, you can do so in section VI. The information provided in this part of the report will be handled as confidential and will not appear on the DM website.

## I. Background Information

<b>DM Project Number and Title</b>	1430, Assistance to the Realisation of Pilot Facilities for Using of Non Conventional Water Sources for Irrigation in the Republic of Yemen
<b>Report Author's Name (if different from Team Leader)</b>	Adrian Dolecki, Mohammed Shamsan, Lia Sieghart
<b>Total Award</b>	US\$ 126,989.67
<b>Amount Disbursed to Date</b>	US\$ 69,844 (55 % of the Total Award)

## II. Progress Against Milestones

i) List the milestone objectives in the first column as expressed in the Project Agreement. The second column should indicate the current status of each milestone objective. In the third column, please provide quantitative data and qualitative information describing the status of the project against that particular milestone.

<b>Milestone 3 Objectives (Copy from the Agreement)</b>	<b>Status (Completed/ In Progress)</b>	<b>Descriptive Information on the Status</b>
The grey water used for washing will be separated from the other water systems within the mosque and plumbing into a	Completed	Depending on the space and existing tank arrangements at each mosque, more than one holding tank has been provided. The total

holding tank set up. The holding tank needs to allow for capacity for 5m <sup>3</sup> of water per 100 people.		capacity per 100 users during the week is more than 6m <sup>3</sup> at Al Badr - San'a, 5m <sup>3</sup> at Bi'r XaabuuT - Damaar and 20 m <sup>3</sup> at Al Kabiir – Amran. Although numbers are greater at Friday prayers the existing tanks have already coped with the flows at these times except for Al Badr, San'a where alternative tanks are also available.
A channel system through the orchards is to be constructed to allow water to flow at a slow enough pace that it will be taken into the ground and therefore into the crops. Once the mosques have been picked we will be able to ascertain whether a small solar powered pump will need to be used or whether we can get away with a gravity driven system of distributing the water.	Completed / Amended	Channel systems are in place and flow and distribution are regulated by the operators. Gravity feed has been used wherever possible, however, small electric pumps have been needed a two of the mosques. The rationale for this step was discussed in the Milestone 2 report.
The water will be tested regularly to ensure there has been no cross contamination with other wastewaters from the mosque, testing kits will be provided and the local population trained in their use. The orchard will be planted and education of the local population in system maintenance and repair will be undertaken.	Completed / Amended	Testing kits have been selected specifically for ease and simplicity of use and directed at contaminants likely to occur and be of high risk to irrigation and health. These were identified by completing initial analyses of a wide suite of parameters to identify the presence of substances potentially hazardous to irrigation. EC is in the test kit as a surrogate for sodium and as a general indicator of pollution levels. No other substances were identified in sufficient concentration to form a risk. E.Coli is included within the test kit to provide a check on the potential contamination from other wastewaters. Operators have been instructed in the use of the test kits and the chain of reporting exceedances established. Operators have also been trained in system and equipment use, maintenance and repair.
Technical Development - Construction completed - Test Kits provided	Completed	Test kits on order, delivery awaited

ii) If you did not achieve some of your stated milestone objectives, please explain the reasons.

Different cropping is taking place, however this is in accord with our stated aim 'to provide a resource...while accommodating the social, cultural and financial conditions that exist in Yemen.'

iii) Has your project's overall accomplishments to date exceeded the original plan?

Yes       **No (But On Target)**

If Yes, describe your achievements:

### III. Overall Project Progress

i) What have been the main challenges of your project to date? What, if any, adjustments have you made to your original business plan in order to overcome the challenges and meet your objectives?

<b>Challenges:</b>	<b>Adjustments:</b>
Accommodating existing cropping practices.	Cropping plan amended
Fitting in with planned developments / construction programmes at the mosques.	Some amendment of construction design as problems were encountered

ii) Have any of your objectives changed or have you added new objectives since you signed your Project Agreement? If Yes, explain the changes.

**Yes**       **No**

The provision of sophisticated water testing kits is not considered appropriate technology for this project. In addition, the provision of solar powered pumps for the project is not considered to be appropriate technology.

These technologies are considered inappropriate because of capital cost, maintenance costs and lack of in-country expertise / maintenance facilities and, in the latter case, due to the likelihood of damage.

iii) Do you have any concerns about meeting your next milestone objectives?

**Yes**       **No**

If Yes, what are the concerns and how do you plan on addressing those challenges?

iii) Although this is an interim report, are there any development outcomes or results of your activities to date that you would like to call attention to?

iv) **Reminder:** In accordance with Paragraph 3.1.1 of the Project Agreement, each project team is required to submit a statement of account showing the use of the funds within three months after the last disbursement. As a part of periodical expenditure review exercise, please provide an annex with un-audited summary of expenses during this reporting period.

### IV. Ancillary Achievements

i) Have you or has your organization received any awards/recognitions or media attention as a result of your DM-funded project during this period?

Yes       No

If Yes, please specify the sources and identify the names.

Local Yemeni newspapers: Al- Thoura, Yemen Times and Yemen Observer, 26 September,  
 International newspapers: Frankfurter Allgemeine, Radio of Aden, and private newspaper  
 Broad coverage also on the Internet

Award /Recognition	Media e.g. <input checked="" type="checkbox"/> International: BBC News on Dec. 3-4, 2003
<input checked="" type="checkbox"/> Local: <input checked="" type="checkbox"/> National: <input checked="" type="checkbox"/> International:	

Explain the Award/Recognition or the Media content:

Attach web links/news clips, if available:

[www.cimonline.de/de/241.asp](http://www.cimonline.de/de/241.asp)  
[www2.gtz.de/dokumente/AKZ/ deu/AKZ\\_2005\\_4/gtz-de-akzente-4-2005.pdf](http://www2.gtz.de/dokumente/AKZ/ deu/AKZ_2005_4/gtz-de-akzente-4-2005.pdf)  
[web.worldbank.org/.../NEWS/0,,contentMDK:20517452~pagePK:64257043~piPK:437376~theSitePK:4607,00.html](http://web.worldbank.org/.../NEWS/0,,contentMDK:20517452~pagePK:64257043~piPK:437376~theSitePK:4607,00.html) - 53k  
[www.glaubeaktuell.net/ se\\_portal/journal/1119415323\\_0.html](http://www.glaubeaktuell.net/ se_portal/journal/1119415323_0.html) - 7k –  
[www.pbworld.com/news\\_events/press\\_room/press\\_releases/pdf/world\\_bank\\_yemen\\_release.pdf](http://www.pbworld.com/news_events/press_room/press_releases/pdf/world_bank_yemen_release.pdf)  
[zeus.zeit.de/text/2005/25/Wettbewerb\\_Weltbank](http://zeus.zeit.de/text/2005/25/Wettbewerb_Weltbank) - 8k

ii) Has your organization made any new partnerships as a result of this project during this reporting period?

Yes       No

If Yes, specify type of the organization from the list below and describe nature of the partnership:

<input type="checkbox"/> Local Government: <input type="checkbox"/> National Government: <input type="checkbox"/> NGO: <input type="checkbox"/> Bilateral Development Agency:	<input checked="" type="checkbox"/> Multilateral Development Agency: UNDP has picked up on the idea and is now supporting seven mosques in Aden. <input type="checkbox"/> Private Corporations: <input type="checkbox"/> Other: e.g. <input checked="" type="checkbox"/> Multilateral Development Agency: Development Marketplace of the World Bank (financial partnership and technical assistance)
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iii) Sustainability and scalability after completion of the DM fund are top of the DM Team’s priorities. Has your organization leveraged new funding or secured future funding during this reporting period?

Yes       No

If Yes, provide the following information.

Funding Sources: Names of the Organizations  
Amounts Funded/Committed: US\$ 000,000

## **V. Requests to the DM**

i) Do you have any comments on the overall process and support provided by the DM Team or Project Liaison?

We would like to extend our deep gratitude to Mr. Frank DiSilvestro (Development Marketplace) for his continuous and excellent support.

## **Annex I. Project Expenses for this Reporting Period**

	<b>Items</b>	<b>Sub-Totals (USD)</b>
<b>1</b>	<b>Personnel</b>	51,985.76
<b>2</b>	<b>Materials and Equipment</b>	28,200
<b>3</b>	<b>Training</b>	1,500
<b>4</b>	<b>Travel</b>	3,000
<b>5</b>	<b>Evaluation/Information Dissemination</b>	1,000
<b>6</b>	<b>General Administration/Overhead</b>	2,500
<b>7</b>	<b>Other</b>	19,885.67
	<b>Total Expenses</b>	<b>108,071.43</b>

Notes:

The formulation of awareness materials is now being planned

The project is already aiming to forge links with the private sector