

**United Nations Development Group Iraq Trust Fund**  
**Project #:E3-18**  
**Date and Quarter Updated: 2<sup>nd</sup> Quarter, 1<sup>st</sup> April to 30<sup>th</sup> June 2011**

**Participating UN Organisation:** UNOPS, UNICEF      **Sector:** : (WATSAN)  
**Government of Iraq – Responsible Line Ministry:** Ministry of Municipalities and Public Works (MMPW)/ MoMT/KRG

<b>Title</b>	Strengthening Capacity for Management of Unaccounted-For Water (UFW)				
<b>Geographic Location</b>	Nation Wide with two specific pilot areas in Anbar and Najaf Governorates				
<b>Project Cost</b>	US\$2,850,100, (UNOPS part= 1,831,638 UNICEF part = US\$1,018,462)				
<b>Duration</b>	18 months				
<b>Approval Date (SC)</b>	11.04.2010	<b>Starting Date</b>	30.04.2010	<b>Completion Date</b>	30.10.2011
<b>Project Description</b>	Strengthening Capacity for Management of Unaccounted-For Water (UFW) Programme takes an integrated approach through a joint UNOPS and UNICEF participation, where the capacity of the two agencies are used to address the water consumption reduction due to the non-availability of water in reference to quality and quantity of water.				

**Development Goal and Immediate Objectives**

The Development Goal of the project is to enhance the capacity of the governorate staff, which will lead to improved water management in the two governorates in line with goals set by the National Development Strategy for Iraq long-term objectives for 2007-2010 and the objectives of the International Compact Iraq as described in the Results Framework under NDS/ICI Priorities benefitting the Iraqi population in the 18 governorates of Iraq.

**Immediate objectives:**

1. To provide a comprehensive purpose-based training in management of Unaccounted for Water (UFW) for the MMPW, Governorate Departments and the Governorate Councils in the 18 governorates, specifically for the personnel's working in Water Authorities.
2. The counterparts' capacity will be strengthened in WatSan management
3. Enhanced access to safe water through the provision of specialised equipment.

**Outputs, Key activities and Procurement**

<b>Outputs</b>	<ol style="list-style-type: none"> <li>1.1. MMPW/directorates of municipalities' governorates are able to deliver and monitor water services.</li> <li>1.2. Water authorities in 18 governorates have improved capacities in water management.</li> <li>1.3. Water treatment plants personnel within the selected governorate are able to put in place water audit mechanism</li> <li>1.4. MMPW, governorate water departments offices are better able to plan and provide improved water audit services in addition to proper management of UFW within the governorates</li> </ol>
<b>Activities</b>	<ol style="list-style-type: none"> <li>1. Water Authority Engineers (1,000 person days of cumulative training) will be trained on management of UFW and Water Audit.</li> <li>2. Senior Management staff (400 person days of cumulative training) of the Water Authority trained on comprehensive Water Audit.</li> <li>3. DMA methodology will be used to measure water consumption in two pilot areas, one each in Anbar and Najaf governorate.</li> <li>4. Water Audits of major water treatment plants in Anbar and Najaf conducted</li> <li>5. Procurement of leak (water) detection equipments for all the 18 governorates.</li> <li>6. Assist in the formation of a UFW Administrative work group within the ministry and the governorates</li> </ol>
<b>Procurement</b>	Procurement of water detection leak equipments for all the 18 governorates to carry out the UFW activities.

**UNOPS**

<b>Funds Committed</b>	US\$1,317,189	<b>% of approved</b>	72
<b>Funds Disbursed</b>	US\$621,413	<b>% of approved</b>	34
<b>Forecast final date</b>		<b>Delay (months)</b>	

<b>UNICEF</b>			
<b>Funds Committed</b>	US\$501,541	<b>% of approved</b>	50
<b>Funds Disbursed</b>	US\$198,380	<b>% of approved</b>	20
<b>Forecast final date</b>		<b>Delay (months)</b>	

<b>Direct Beneficiaries</b>	<b>Number of Beneficiaries</b>	<b>% of planned (current status)</b>
Men	10,000	0
Women		
Children		
IDPs		
Others	<ul style="list-style-type: none"> <li>40 technical staff from MMPW and MMT/KRG will receive training on UFW Subject</li> <li>400 person days management staff from MMPW, MoB and MMT/KRG will receive training on water management.</li> </ul>	97,5 (UNOPS trained 39 staff against 40)  100 (UNICEF trained 94 staff, 46 in Amman, 10 in Erbil, 21 in Baghdad and 17 in Najaf )
Indirect beneficiaries	100,000	0
Employment generation (men/women)	200	0

<b>Quantitative achievements against objectives and results</b>		<b>% of planned</b>
Contract awarding for establishment of DMA	<p>UNOPS appointed a Site Engineer, who co-ordinated with the water authority to collect the water network drawings and prepare the BoQ and contract document for the establishment of the DMA.</p> <p>Following an initial delay in handover of the plans from the water authorities, the ITB was published on November 15, 2010 with a deadline for submission of bids set for December 15, 2010. On the last date of submission, the project received 4 bids which were evaluated and resulted in a recommendation for award of contract to the best of the lowest-cost bidders.</p> <p>The contract was awarded to SGI Studio Galli Ingegneria S.p.A., Italy on Feb 9, 2011 and it was agreed that the Water Authorities would hand over the DMA site by the beginning of April, 2011 so that the contractor could start the works towards mid April 2011.</p> <p>In accordance, the contractor started the implementation and has completed the data collection for the establishment of a DMA.</p> <p>The contractor submitted the DMA design report for Ramadi and the same is due for Najaf.</p>	40%
Procurement of UFW equipments	<p>The specification was prepared and submitted to the Directorate of Water, Ministry of Municipalities and Public Works on 17 March 2011 for approval before proceeding for procurement.</p> <p>The Directorate gave its approval for procurement of LD equipments. An ITB was published on 26<sup>th</sup> of April 2011 with a deadline for submission set for the 16<sup>th</sup> of May 2011 for the procurement of leak detection equipments.</p> <p>5 bids were received and the evaluation is under process to award the contract.</p>	30%
Comprehensive Training on Management of UFW	<p>An RFQ was published on the 27<sup>th</sup> of September 2010 with a deadline for submission set for the 12<sup>th</sup> of October 2010 for the procurement of a training firm.</p> <p>4 bids were received and evaluated as per the bid document. On October 27, 2010, the contract was awarded to the best of the lowest-cost bidders. The training provider successfully trained 39 engineers from all over Iraq from January 2 to 6, 2011 in Erbil (theoretical part) followed by the practical part in Amman, Jordan from February 13 to 28, 2011. One of the engineers originally planned to participate in the training from the Nazaf Water Directorate was unfortunately unable to attend due to personal reasons. Hence the final number of participants was 39 instead of 40 as originally planned.</p> <p>UNOPS site engineer was present during the training to facilitate/co-ordinate with the participants and training provider.</p> <p>UNOPS received the final training report from training provider.</p>	100%

Monitoring and Supervision contract	A Technical facilitator has been appointed by UNICEF to carry out the needed assessments in coordination with local authorities. Field assessments in Anbar & Najaf are completed, BoQ endorsed.	35%
Capacity development of Senior Management staff on comprehensive Water Audit and Unaccounted for Water	The RFP was issued and three offers were received and opened on the 4 <sup>th</sup> of January 2011. A contract was awarded to the best lower bidder, training were completed, 46 staff members trained in Amman, 10 in Erbil, 21 in Baghdad and 17 in Najaf. The participants reported their full appreciation of the presented topics and the highly skilled trainers, they also asked for an expansion of such sessions and recommend conducting a high level workshop to advocate for the importance of the UFW and NRW management and its impact on Iraq.	100%
Media Intervention	Awareness campaigns using media messages in coordination with GDW are ongoing, and two TV spots on water conservation were prepared and broadcasted in Iraqi Satellite TVs	70%
Procurement of equipment and accessories for WTPs	Technical Specifications for flow meters were identified, and PGMs issued and sent to the supply section in Copenhagen, the procurement will be finalized soon.	35%

#### **Qualitative achievements against objectives and results**

The training on management of UFW was completed successfully and UNOPS received the final report from the training company. The trained water authority's staff is now able to manage the UFW activities better, thereby reducing the chances of water contamination and related water born diseases.

The contract for DMA establishment was awarded to SGI Studio Galli Ingegneria S.p.A., Italy on Feb 9, 2011. The Water Authorities as agreed handed over the DMA sites on 6<sup>th</sup> and 7<sup>th</sup> of April 2011 for Najaf and Ramadi respectively to start the establishment of DMA. For procurement of LD equipments, an ITB was announced and as response to the same, 5 bids were received which are currently under evaluation for award of contract.

The overseas and in country trainings of senior management staff were successfully completed, UNICEF will receive the final report soon. PGMs for the needed equipment were issued and send to UNICEF supply section in Copenhagen for procurement. On the ground a work plan for installing of the flow meters was prepared and a bill of quantities for civil works were also prepared and endorsed by both the Najaf and Anbar Water directorate and approved by MMPW/GDW. UNICEF has also support the producing of two TV-Spots which were broadcasted in the occasion of world water day, the physical part of the project will be started as soon as the flow meters are received.

#### **Main implementation constrains & challenges (2-3 sentences)**

An initial delay in obtaining the required water supply system plans from Najaf and Ramadi Water Authorities delayed the preparation of bid documents for award of contract for DMA establishment was the main constraint for initial progress. UNOPS Site Engineers coordinated closely with the Najaf and Ramadi Water directorates and in the reporting period the sites were successfully handed over to the contractor to start implementation of DMA Establishment.

The main constraint that UNICEF staff faced on the ground is the identifying of the suitable flow meters for different water projects in Najaf and Anbar, the deviation of water trunk lines and the construction of new trunk lines caused delay in preparing the needed Equipment's specification, however, the specifications were prepared and PGMs issued for procurement.