

**United Nations Development Group Iraq Trust Fund**  
**Project 73027:E3-17**  
**Overarching and Individual Agency**  
**Date and Quarter Updated: 1 October -31 December 2010 / 4<sup>th</sup> Quarter 2010**

**Participating UN Organisation:** UNDP, UNICEF, UN-HABITAT and WHO      **Sector:** Water and Sanitation/WatSan Sot

**Government of Iraq – Responsible Line Ministry:** Ministry of Municipalities and Public Works (MMPW), Ministry of Environment (MoEnv), Ministry of Municipalities and Tourism –KRG (MMT), Al Anbar Governorate, Suleimaniyah Governorate, and Thi-Qar Governorate .

<b>Title</b>	Water and Sanitation Master Planning and Capacity Building Programme				
<b>Geo. Location</b>	Anbar Governorate Suleimaniyah Governorate Thi-Qar Governorate Three (3) additional Governorates including: Salah Aldeen, Wassit and Erbil.				
<b>Project Cost</b>	Total Project Cost is USD 10,057,740 UNDP Project                      Cost USD 3,819,900 UNICEF Project                    Cost USD 3,577,809 UN-HABITAT Project            Cost USD 1,496,434 WHO Project                        Cost USD 1,163,597				
<b>Duration</b>	24 months				
<b>Approval Date</b>	18.11.2009	<b>Starting Date</b>	01.12.2009	<b>Completion Date</b>	01.12.2011
<b>Project Description</b>	<p>The Water and Sanitation Master Planning and Capacity Building Programme consists of a dual approach:</p> <p>The Governorates of Anbar, Suleimanyah and Thi-Qar are benefitting from direct physical and technical interventions leading to the formulation of sector master plans for water and sanitation (WatSan) and solid waste management. Moreover, specialized equipment and machinery shall be procured for the Governorates of Al Anbar, Suleimanyah and Thi-Qar, including water tankers, sewage tankers, jetting vehicles, garbage compactors and garbage collection containers.</p> <p>In addition to the above Governorates, an additional three Governorates (Salah Aldeen, Wassit and Erbil) will be provided with capacity building to formulate and update their own master plans to replicate the physical interventions undertaken in Anbar, Suleimanyah and Thi-Qar.</p> <p>Moreover, the programme in all of the six Governorates will be accompanied by:</p> <ul style="list-style-type: none"> <li>• Sanitary inspections of main water resources;</li> <li>• Strengthened capacity building of government staff in sanitary inspections and water quality monitoring through on-the-job training and specialized training programmes;</li> <li>• Awareness campaigns on sanitation and hygiene issues to safeguard public health in the peripheral/high risk areas in the selected Governorates.</li> </ul>				

**Development Goal and Immediate Objectives**

- Outcome 1: Water, wastewater and solid waste sectors management and planning capacities strengthened.

**Outputs, Key activities and Procurement**

<b>Outputs</b>	1.1 Capacity strengthening of MMPW, Governorate Departments and Governors' Offices in six governorates for improved water, waste water and solid waste services and planning. 1.2 Capacity strengthening of MMPW, MoH, MoEnv, Governorate Departments and Governors' Offices in six governorates for improved water quality and personal hygiene.
<b>Activities</b>	1.1.1 Water and sanitation master plans for Suleimanyah, Anbar and Thi-Qar Governorates formulated jointly with technical departments; 1.1.2 Technical capacity of staff developed in three selected and three other Governorates (adjacent

	<p>ones), with capacity strengthened in master planning areas enabling the monitoring, review and updating to sustain the developed master plans;</p> <p>1.1.3 Provision of water tankers, sewage tankers and jetting vehicles;</p> <p>1.1.4 Comprehensive capacity Assessment of Water and Sewage Authority in Anbar or Thi-Qar Governorate; and development of specific capacities of Water and Sewage Authority Staff in the six Governorates (Anbar, Suleimanyah, Thi-Qar and 3 adjacent Governorates);</p> <p>1.1.5 Solid waste management master plans developed for three governorates;</p> <p>1.1.6 Provision of garbage compactors;</p> <p>1.1.7 Capacity building undertaken related to municipalities and solid waste sector across the three Governorates;</p> <p>1.1.8 Provision of garbage collection containers.</p> <p>1.2.1 Hygiene education, sanitary inspection of water sources conducted, and capacity building on water quality surveillance (building on the ongoing WQ programme) undertaken across three Governorates.</p>
<b>Procurement</b>	<p><u>UNDP</u></p> <ul style="list-style-type: none"> <li>- Consultancy Services for the development of the master plans and capacity building in master planning;</li> <li>- Procurement of water tankers, sewage tankers and jetting vehicles.</li> </ul> <p><u>UNICEF</u></p> <ul style="list-style-type: none"> <li>- Procurement of ten (8-12) tons garbage compactors.</li> </ul> <p><u>UNHABITAT</u></p> <ul style="list-style-type: none"> <li>- Procurement of garbage collectors.</li> </ul> <p><u>WHO</u></p> <ul style="list-style-type: none"> <li>- Portable laboratory equipment for sanitary inspection.</li> </ul>

<b>Funds Committed</b>	<p>UNDP (USD \$106,481.49)</p> <p>UNICEF (USD \$1,233,645)</p> <p>UN-Habitat (USD \$96,332)</p> <p>WHO (US\$ 555,852)</p>	% of approved	<p>2.78%</p> <p>34.48%</p> <p>6.4%</p> <p>47.8%</p>
<b>Funds Disbursed</b>	<p>UNDP (USD \$94,368.87)</p> <p>UNICEF (USD \$1,231,273)</p> <p>UN-Habitat (USD \$ 96,332)</p> <p>WHO (US\$ 326,473)</p>		<p>2.47%</p> <p>34.41%</p> <p>6.4%</p> <p>28.05%</p>
<b>Forecast final date</b>	Dec 2011	<b>Delay (months)</b>	0

<b>Direct Beneficiaries</b>	<b>Number of Beneficiaries</b>	<b>% of planned (current status)</b>
Men	Exact locations in Governorates not yet identified as a new project therefore, unknown	Exact locations in Governorates not yet identified as a new project therefore, unknown
Women	Exact locations in Governorates not yet identified as a new project therefore, unknown	Exact locations in Governorates not yet identified as a new project therefore, unknown
Children	Exact locations in Governorates not yet identified as a new project therefore, unknown	Exact locations in Governorates not yet identified as a new project therefore, unknown
IDPs	Exact locations in Governorates not yet identified as a new project therefore, unknown	Exact locations in Governorates not yet identified as a new project therefore, unknown
Others	Exact locations in Governorates not yet identified as a new project therefore, unknown	Exact locations in Governorates not yet identified as a new project therefore, unknown
Indirect beneficiaries	Exact locations in Governorates not yet identified as a new project therefore, unknown	Exact locations in Governorates not yet identified as a new project therefore, unknown
Employment generation (men/women)	Exact locations in Governorates not yet identified as a new project therefore, unknown	Exact locations in Governorates not yet identified as a new project therefore, unknown

Quantitative Achievements Against Objectives and Results		
<b>Breakdown of Responsibility</b>	<u>Within the Joint Programme each agency is held responsible for certain activities delineated below:</u>	
	<u>UNDP</u>	
	<ul style="list-style-type: none"> <li>- Support the development of the Water and Sanitation Master Plan, working closely with Local Government;</li> <li>- Strengthen the capacity of Local Government in the formulation of and the updating of Water and Sanitation Master Plans in the Governorates;</li> <li>- Procure water tankers, sewage tankers and jetting vehicles for the three Governorates.</li> </ul>	
	<u>UNICEF</u>	
	<ul style="list-style-type: none"> <li>- Training of staff from Water and Sewage Authorities on WatSan management;</li> <li>- Development of Solid Waste Master Plans for Anbar, Thi Qar, and Suleimanyah.</li> </ul>	
<u>UNHABITAT</u>		
<ul style="list-style-type: none"> <li>- Enhanced capacities of Municipalities in operational management and maintenance of solid waste management in selected Governorates;</li> <li>- Procurement of garbage collectors for the three selected Governorates; Anbar, Thi-Qar and Suleimaniyah.</li> </ul>		
<u>WHO</u>		
<ul style="list-style-type: none"> <li>- Capacity building on water quality surveillance mechanism in the targeted six Governorates;</li> <li>- Raise awareness of population groups in the target Governorates on personal hygiene practices.</li> </ul>		
<b>UNDP</b>	<b>Quantitative Achievements Against Objectives and Results</b>	<b>% of planned</b>
1.1.1 Water and sanitation master plans for Suleimanyah, Anbar and Thi-Qar Governorates formulated jointly with technical departments	<ul style="list-style-type: none"> <li>-UNDP held extensive discussions with the Technical Departments in all three Governorates during 2<sup>nd</sup> Quarter 2010. The discussions were on how to achieve the Master Plans and the different components of the project;</li> <li>-The Technical Departments sent to UNDP critical documents including maps and data on the present Water and Sanitation situation in each of the three Governorates;</li> <li>-UNDP worked on coordination mechanisms within the joint programme and monthly coordination meetings have been established;</li> <li>-UNDP brought to the forefront the importance of a joint monitoring mechanism bringing on board the M&amp;E focal point to support setting up a system with all partners for improved outcome and output monitoring. A template is being prepared.</li> <li>-A Terms of Reference has been developed and is in semi-final draft on the Water and Sanitation Master Plans.</li> <li>-Twenty-seven (27) Expression of Interest (EoI) were received in 2<sup>nd</sup> Quarter for the provision of the consultancy services with fourteen (14) meeting qualification criteria and notified.</li> <li>-The fourteen bidders meeting qualification were contacted during 3<sup>rd</sup> Quarter 2010 on their success with bidding documents made available.</li> <li>-A pre-bid meeting was held on 28 September to discuss Terms of Reference and clarification on the Project scope and timeframe.</li> <li>-Those qualifying during 3<sup>rd</sup> Quarter went into bid preparation for submission</li> </ul>	35%

	<p>in 4<sup>th</sup> Quarter.</p> <ul style="list-style-type: none"> <li>-A technical meeting was held at UNDP Iraq Office 27-29 September with the relevant officials representing Thi-Qar and Suleimaniyah Governorates to follow-up and prepare for implementation of the project.</li> <li>-UNDP met the Governor of Al Anbar on 12 September and accompanying officials to discuss the correct implementation of the project.</li> <li>-On 17<sup>th</sup> October 2010 as the set closing date, UNDP received bids from ten (10), eight (8) and six (6) bidders for the provision of Consultancy Services for the Development of an intergrated WatSan Master Plan in Al Sulaimaniyah,Thi-Qar and Al Anbar Governorate,respectively.</li> <li>- A Technical Evalutaion Committee (TEC) was formed that technically reviewed all the submitted bids and accessed their completeness, comprehensiveness, adequacy of staff and the presented methodology.</li> <li>-Upon the completion of the technical review for compliance proposals were financially evaluated.A final evaluation report was drafted for each governorate during 4<sup>th</sup> Quarter 2010.</li> </ul>	
<p>1.1.2 Technical capacity of staff developed in three selected and three other Governorates (adjacent ones), with capacity strengthened in master planning areas enabling the monitoring, review and updating to sustain the developed master plans;</p>	<ul style="list-style-type: none"> <li>-Discussions initiated with Technical Departments and dialogue will continue through the project on capacity needs and gaps.</li> <li>-Receipt of 27 EoI for the provision of the Capacity Building Activity in formulating and updating of Water and Sanitation Master Plan during the first week of April 2010.</li> <li>-Completion of the technical evaluation of the received pre-qualification bids, upon which 14 consultants have been qualified and notified accordingly.</li> <li>-The ToR for the Capacity Building Activity drafted as discussed with the counterparts in each governorate and shared with UNDP’s Consultant for final review.</li> <li>-Funding reported as committed in 2<sup>nd</sup> Quarter have been reversed during 3<sup>rd</sup> Quarter to better meet the needs of the Governorates.</li> <li>-The fourteen bidders meeting qualification were contacted during 3<sup>rd</sup> Quarter 2010 on their success with bidding documents made available.</li> <li>-A pre-bid meeting was held on 28 September to discuss Terms of Reference and clarification on capacity development, scope and timeframe.</li> <li>-Those qualifying during 3<sup>rd</sup> Quarter went into bid preparation for submission in 4<sup>th</sup> Quarter.</li> <li>-A technical meeting was held at UNDP Iraq Office 27-29 September with the relevant officials representing Thi-Qar and Suleimaniyah Governorates to follow-up and prepare for implementation of capacity development.</li> <li>-UNDP met the Governor of Al Anbar on 12 September and accompanying officials to discuss the correct implementation of the project.</li> <li>-On17<sup>th</sup> October 2010, the set closing date, UNDP received bids from ten (10), eight (8) and six (6) bidders for the provision of WatSan Master Plan Capacity Building in Al Sulaimaniyah,Thi-Qar and Al Anbar Governorate,respectively.</li> </ul>	<p>25%</p>

	<p>-A Technical Evaluation Committee (TEC) was formed that technically reviewed all the submitted bids and assessed their completeness, comprehensiveness, adequacy of staff and the presented methodology.</p> <p>-Upon the completion of the technical review for compliance proposals were financially evaluated. A final evaluation report was drafted for each governorate during 4<sup>th</sup> Quarter 2010.</p>	
1.1.3 Provision of water tankers, sewage tankers and jetting vehicles;	Planning initiated and sources are being explored.	10%
<b>UNICEF</b> <b>Quantitative Achievements Against Objectives and Results</b>		<b>% of planned</b>
1.1.4 Comprehensive capacity Assessment of Water and Sewage Authority in Anbar or Thi-Qar Governorate; and development of specific capacities of Water and Sewage Authority Staff in the six Governorates (Anbar, Suleimanyah, Thi-Qar and 3 adjacent Governorates);  Water and sewerage authority have improved capacities in water and sewerage management.	<ul style="list-style-type: none"> <li>- Comprehensive gap analysis assessment for the Thi-Qar governmental staff in the WatSan Sector has been done by the Directorate General of Human Resources at MMPW-Training courses for MMPW staff in Thi-Qar Governorate have been finalized and implementation will start from January 2011.</li> <li>- Training on GIS level 2 of 15 participants from Thi-Qar governorate during 27Sep.-07Oct. 2010.</li> <li>- Training on GIS level 2 of 14 participants from Wassit governorate during 19-29 Dec.2010.</li> <li>- Water quality training of MMT lab staff on Cholera test kits in Erbil during 21-23 Nov.2010</li> </ul>	25%
1.1.5 Solid waste management master plans developed for three governorates;  Enhanced capacities of municipalities to plan and undertake improved solid waste management in (Anbar, Suleimanyah, Thi-Qar and 3 adjacent Governorates).	<ul style="list-style-type: none"> <li>- Finalization of the bids of the solid waste management master plan for Thi-Qar, Anbar and Sulaimaniyah were completed and one won company has signed the contracts for Sulimanyah and Thi-Qar while the another company will sign the contract for Anbar on early January and move forward in implementation.</li> <li>- Finalization of the bids of the solid waste management master plan for Erbil has been finalized.</li> </ul>	20%
1.1.6 Provision of garbage compactors	<ul style="list-style-type: none"> <li>- Specification for garbage compactors were approved by MMPW (DGM) and procurement process completed. Municipal Directorates received the compactors from the supplier while the spare parts were shipped to UNICEF warehouse in Baghdad and to be distributed later to the three governorates.</li> </ul>	95%

<b>UNHABITAT</b>		<b>% of planned</b>
<b>Quantitative Achievements Against Objectives and Results</b>		
<p>1.1.7 Capacity building undertaken related to municipalities and solid waste sector across the three Governorates;</p> <p>Enhanced capacities of municipalities in operational management and maintenance of solid waste management in selected governorates.</p>	<ul style="list-style-type: none"> <li>- UN-HABITAT supported the participation of 5 senior managers of SWM from MMPW, MMT and the three selected governorates (Suleiymaniya, Anbar and Thi-Qar) in the Global Conferences on Urban Development and Sustainability- A major challenge on the Waste Management in the 21st Century. The conference was facilitated by the International Institutions for Solid Waste Management (ISWA), during the period 15-18 November 2010. The participants were exposed to numerous experiences of different countries on the environment impact of solid waste practices, and problems from different countries.</li> <li>- An agreement of cooperation is being negotiated with the International Institutions for Solid Waste Management to provide training for 60 master trainers on best practices in developing and developed countries on SWM.</li> <li>- The training will start on the second quarter of 2011.</li> </ul>	<b>20%</b>
<p>1.1.8</p> <ul style="list-style-type: none"> <li>- Provision of garbage collection containers</li> <li>- Procurement of Garbage Collectors for the unicipalities in the three governorates</li> </ul>	<ul style="list-style-type: none"> <li>- Procurement of garbage containers was initiated for the three selected governorates. It is expected to be delivered by the second quarter of 2011</li> </ul>	5%
<b>WHO</b>		<b>% of planned</b>
<b>Quantitative Achievements Against Objectives and Results</b>		
<p>1.2.1 Hygiene education, sanitary inspection of water sources conducted, and capacity building on water quality surveillance (building on the ongoing WQ programme) undertaken across three Governorates.</p> <p>MMPW, MoH, MoEnv, Governorate Departments and Governor Officers in six Governorates are able to put in place water quality surveillance mechanism in target Governorates.</p>	<ul style="list-style-type: none"> <li>- Two-day technical meeting was conducted in Erbil during January 2010 with participation of twenty (20) Officials representing MMPW, MoEnv, MMT/KRG with agreement on the implementation work-plan for sanitary inspection, capacity building and water-quality control laboratory needs.</li> <li>- WHO supported DoEnv &amp; DWS/ Suleimaniyah in conducting three (3) training courses on bacteriological analysis for water samples, chemical analysis and water sampling, each training was for 3 days. 46 laboratory technicians from both Departments attended the trainings (42% female). The main objective of the trainings is to enhance the technical capacity of the laboratory technicians in water quality monitoring and analysis techniques.</li> <li>- WHO conducted a TOT on “How to Conduct a Sanitary Inspection for Water Facilities”, 17 Engineers and technicians from Departments of Water and Environment in six governorate namely ( Anbar, Salah Addin, Najaf, ThiQar, Suleimaniya and Dohuk) in addition to Baghdad and Erbil participated in the TOT which was conducted in Amman during Oct 2010.</li> <li>- WHO procured and handed over to Department of Water Supply 4 vehicles to be used as a means for transporting water samples from water resources sites to water laboratory for testing and also will be used by sanitary inspectors to ensure the water supplied to the end users is within Iraqi Drinking Water Quality Standards and chlorine residual is present in the water at household level.</li> <li>- WHO finalized the procurement process of portable water quality analysis laboratory equipment requested by Departments of Environment at Suleimaniyah, Thi-Qar and Anbar. Supplies will be delivered to the said governorate in three months.</li> <li>- WHO convened a 2-day technical meeting at Suleimaniya with participation of 19 professionals at level of Directors and Deputy Directors representing Ministry of Municipalities and Public Works, Ministry Of Environment, Department of Waters and Department of Environment at Suleimaniya, Thi-Qar and Anbar. The main objectives of the meeting were <ul style="list-style-type: none"> <li>• Design and agree and finalize the forms which are going to be used for the sanitary survey for drinking water resources in the three governorates</li> </ul> </li> </ul>	40%

	(Suleimaniya, Thi-Qar and Anbar). <ul style="list-style-type: none"> <li>• Set a realistic time frame for the next steps which include training of the sanitary inspectors and the conduction of the sanitary survey.</li> </ul>	
Population groups in target governorates are better aware of personal hygiene practices.	- Finalized the proposal for hygiene awareness campaign; and it is under process for implementation.	10%

### Qualitative Achievements Against Objectives and Results

- UN-HABITAT supported the participation of 5 senior managers of SWM from MMPW, MMT and the three selected governorates (Suleimaniya, Anbar and Thi-Qar) in the Global Conferences on Urban Development and Sustainability- A major challenge on the Waste Management in the 21<sup>st</sup> Century. The conference was facilitated by the International Institutions for Solid Waste Management (ISWA), during the period 15-18 November 2010. The participants were exposed to numerous experiences of different countries on the environment impact of solid waste practices, and problems from different countries.
- The Kick-Off Meeting for the Project was held on 22 and 23 February 2010 (1<sup>st</sup> Q 2010) in Amman with the participation of all related Ministries in Iraq, Officials from the Governorates and the UN Agencies, during which all agreed on actions, recommendations and the way forward. The three Governorates agreed with the Partner Agencies and formed the Governorate Steering Committees.
- The Technical Departments sent to UNDP critical documents including maps and data on the present Water and Sanitation situation in each of the three Governorates during 2<sup>nd</sup> Q 2010;
- Monthly coordination meetings have been established;
- A joint monitoring and evaluation mechanism is being established;
- The ToR for the consultancy services and the capacity building activity have been drafted as discussed with the counterparts in each Governorate (UNDP);
- As part of the overall objective of the project, RFPs for Solid Waste Master Plans in Anbar, Suleimanyah, and Thi-Qar Governorates were submitted for bidding based on the previous UNICEF experience gained from the implemented of Solid Waste Master plans in Basrah and Duhok (UNICEF).
- Specifications for garbage compactors were approved by MMPW (DGM) and procurement shall be completed in December 2010 (UNICEF).
- Dialogue with the MMPW on identification of training topics and modules initiated (UNICEF).
- In Thi-Qar, the Steering Committee was formed on 15 March 2010. A coordinator has been assigned, Riyadh Awdah Essa, Director of Thi-Qar Sewerage Department (UN-HABITAT).
- The two-day technical meeting in 1st Quarter 2010 achieved its main goal, to reach agreement on a practical implementation work plan for sanitary inspection, capacity building and hygiene awareness (WHO).
- The training courses conducted at Suleimaniyah and Amman for engineers and laboratory technicians achieved its results through the enhancement of the knowledge and the capacity of the laboratory staff. (WHO).
- The 2-day technical meeting at Suleimaniyah with participation of the water and environment Directors of the three governorates enhanced the coordination and achieved its result in given the ownership of the project to the local authorities (WHO).

### Main Implementation Constraints and Challenges

The gap between the signing of the project agreement document and transfer of funds has delayed the start of the project. Coordination between the multiple UN Agencies poses a challenge. Lessons learned, from other joint projects have shown that multi-agency coordination and joint planning can delay the project on the ground. All efforts are being made to stay on schedule.

Building communication, trust and partnerships in multiple Governorates is taking time.

The draw-down of the American Troops in August 2010 could pose significant issues for this project as all the initial Governorates are red-zone areas, which affect both the housing and movement of United Nations staff.

An additional challenge is the delay in the formation of the Government, which could compound the situation and pose constraints and challenges. This could also affect the release and amount of annual budget.