

United Nations Development Group Iraq Trust Fund

Project #: E3-14

Date and Quarter Updated: 31st March 2010 (1st Quarter)

Participating UN Organisation: UN-HABITAT & UNICEF	Sector: Water & Sanitation
Government of Iraq – Responsible Line Ministry: Ministry of Municipalities and Public Works	

Title	Solid Waste Management Project for Iraqi Ministry of Municipalities and Public Works and the Governorate of Basra				
Geographic Location	[Baghdad and Basrah]				
Project Cost	US \$ 6,317,441 (US \$2,396,426 UN-HABITAT share & US \$3,921,015 UNICEF share)				
Duration	18 Months + 17 months extension				
Approval Date (SC)	28 June 2007	Starting Date	4, July 2007	Completion Date	04 th January 2009 / 1 st extension approved till 4 July 2009, 2 nd extension approved till 4 January 2010, 3 rd extension approved till 04/06/2010
Project Description	<p>Iraq's streets are littered with garbage. Most Municipalities lack effective means of collection and user participation rates where collection systems do exist are low. Existing landfill sites are run with outdated equipment and antiquated operating procedures and new modern landfill sites are desperately needed. Centralized recycling Programmes are non-existent. The effective control and handling of solid waste is a major national environmental and public health problem. The Ministry of Municipalities and Public Works (MMPW) through its Municipalities has been charged with the responsibility of addressing this problem.</p> <p>UN HABITAT and UNICEF propose to help the MMPW to carry out its responsibility by implementing a waste management project with two components. The first component will involve strengthening the capacity of the Ministry of Municipalities and Public Works to develop new national level waste management laws, policies and programmes. The second component will comprise the development of an integrated solid waste management master plan for Basrah governorate, rehabilitation/ upgrading the existing landfill site, establishment of demonstration project, procurement of sanitation vehicles/ landfill equipment and capacity building of governorate staff.</p>				

Development Goal and Immediate Objectives	
<p>The goal of the project is to contribute to improved public health and environmental conditions in Iraqi cities by assisting the Ministry of Municipalities and Public Works and the Governorate of Basra with the development and implementation of new waste management laws, policies and programmes</p> <p>The key immediate objectives:</p> <ol style="list-style-type: none"> to support national level initiatives by the Ministry of Municipalities and Public Works aimed at developing new laws, regulations, policies and programmes for the management of solid waste and for the decentralization of the delivery of waste management services to the municipal government level to contribute to an effective waste management system in the Basra area 	

Outputs Key activities and Procurement	
Outputs	<ol style="list-style-type: none"> 1.1 Recommendations for needed changes to existing national and local level waste management laws, regulations, policies and programmes. 1.2 Selected Iraqi officials exposed to waste management best practices from other

	<p>countries of relevance to Iraq.</p> <p>1.3 A capacity development and institutional strengthening plan aimed at improving the capacity of MMPW officials to formulate and implement national level waste management laws, policies and programmes designed and implemented.</p> <p>1.4 A fully equipped waste management department office within the headquarters of the Ministry of Municipalities and Public Works in Baghdad.</p> <p>2.1 A comprehensive waste management plan prepared for the Basra governorate that documents the existing problems identifies future waste generation rates and recommends solutions for the effective handling of existing and future waste.</p> <p>2.2 A capacity development and institutional strengthening plan aimed at improving the capacity of local authorities in the Basra area to effectively collect and dispose of waste designed and implemented.</p> <p>2.3 Selected demonstration areas and landfill site in Basra equipped with waste collection and disposal equipment.</p> <p>2.4 Residents of Basra area have enhanced awareness of waste management practices.</p> <p>2.5 Existing landfill sites improved and demonstration sites identified and operationalized.</p> <p>2.6 Workshop facilities/ garage in Basrah for the maintenance of sanitation vehicles upgraded.</p> <p>2.7 Waste management offices in Basrah dealing with solid waste rehabilitated and equipped with computers and office equipment.</p>
Activities	<p>1.1.1 Conduct a critical review of all existing national laws, policies, programmes and practises for waste management and develop detailed recommendations for necessary changes and improvements in collaboration with government and external stakeholders. (UN-HABITAT)</p> <p>1.2.1 Conduct a comprehensive review of international best practices in solid waste management and organise study tours for selected Iraqi staff and officials. (UN-HABITAT)</p> <p>1.3.1 Develop and implement a training programme to enhance the capacity of MMPW officials to design and implement new national and local level waste management laws, policies and programmes. (UN-HABITAT/ UNICEF)</p> <p>1.4.1 Furnish and equip an office for waste management staff located in the headquarters of the Ministry of Municipalities and Public Works. (UN-HABITAT)</p> <p>2.1.1 Develop a comprehensive waste management master plan for the Basra governorate. (UNICEF)</p> <p>2.2.1 Develop and initiate capacity development and institutional strengthening measures to enhance the capacity of local authorities dealing with solid wastes in Basra. (UNICEF)</p> <p>2.3.1 Design and conduct public education campaigns in the targeted areas.(UNICEF)</p> <p>2.4.1 Rehabilitate/ develop solid waste disposal sites for demonstration areas. (UNICEF)</p> <p>2.5.1 Upgrade the existing workshops/ garages in Basra. (UN-HABITAT)</p>
Procurement (major items)	<ul style="list-style-type: none"> - Purchase new landfill operating equipment and sanitation vehicles for the demonstration project sites (UNICEF) - Rehabilitate and provide equipment for the Municipality offices in Basra dealing with solid waste management; (UN-HABITAT)

Direct Beneficiaries	Number of Beneficiaries	% of planned (current status)
Men	0.5 Million	Nil
Women		
Children		
IDPs	N/A	N/A
Others	N/A	N/A
Indirect beneficiaries	27 Million	Will be realised after the completion of Master Plan for Basrah governorate and implementation of national level strategy and legal framework.

Employment generation (men/women)	1500 person days	1500 out of total 175,000 person days planned
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Funds Committed	UN HABITAT (\$2,151,841.07) UNICEF (\$ 2,338,852)	% of approved	UN-HABITAT- 90% UNICEF – (64.8)%
Funds Disbursed	UN HABITAT (\$1,664,202.43) UNICEF (\$1,671,110)	% of approved	UN-HABITAT- 69% UNICEF – (43)%
Forecast final date	4 th June 2010	Delay (months)	17 months

* excluding Agency Recovery cost

Quantitative achievements against objectives and results			
Output 1.1 UNHABITAT	Consulting report on short term actions required to implement the national waste management master plan completed. Preparation of draft national Waste Management Law and consulting report on implementation of new laws, regulations and policies completed.	% of planned	100%
Output 1.2 UNHABITAT	Two technical training courses were held in Egypt during October and December 2009 as part of the plan to expose Iraqi officials to best practices and implement the capacity development and institutional strengthening plan. The first training course was on Integrated Waste Management while the second on Hazardous Waste Management. Settlement of accounts remains to be finalized with Egyptian Ministry of Housing GOPP and closing ceremony is due in June 2010 in Erbil	% of planned	98%
Output 1.3 UNHABITAT	Draft capacity development and institutional strengthening plan for enhancing the capacity of MMPW has been developed. As part of the above plan immediate training needs have also been identified and will be used as the basis for training of Municipal Staff under this project.	% of planned	95%
Output 1.4 UNHABITAT	Decision made in 2008 to assign funds for equipment and furniture to achieve more substantial improvement in admin unit in Basrah. 100% Completed.	% of planned	100%
Output 2.6 UNHABITAT	The construction of SWM 1 st workshop for vehicle maintenance is 100% completed. The progress of construction of SWM 2 nd workshop for vehicle maintenance is 96% completed.	% of planned	98%
Output 2.7 UNHABITAT	SWMP-BA-003 The progress of the Construction of Administration building has reached 99% completion rate. SWMP-BA-004 Tools and furniture to the Solid Waste Management Project. Completed 100%. SWMP-BA-005 The contractor attended to Basrah base and signed the vendor request to prepare the contract. 2%	% of planned	67%
Output 2.1 UNICEF	Final version of Solid Waste Management Master Plan has been finalized by the consulting firm. Basrah Municipality has confirmed receiving the final document and all of their comments have been considered in the final version.	% of planned	100%
Output 2.2 UNICEF	Five training courses have been conducted in Erbil/Iraq including one Training of Trainers. Following is the list of training courses: 1. Municipal Solid Waste Collection System Evaluation and Design; 2. Maintenance Management; 3. Waste Management Information System; 4. Controlled Dumpsites and Landfill Operation. 5. TOT training.	% of planned	90%

	<p>Training 1 and 4 have a complementary part which is field visits to dumpsite in Egypt. This part is still pending because of Visa approval.</p> <p>*Note: according to the above the progress percentage reflects less value.</p>		
Output 2.3 UNICEF	<p>All machinery identified in the plan and approved in the subsequent meeting with counterpart has been committed and purchase orders were issued in late 2009. Truck loader and Weighbridge have already arrived to Basrah Landfill site; other machinery will be delivered shortly. Due to price difference between the planned and actual figures for machinery under output 2.3, a substantial surplus amount was experienced under this output. Another surplus amount coming from landfill construction (output 2.5) was also experienced for the same reason above. It has been decided re – programme this amount for procurement of machinery. During informal discussions with Basrah Municipality, the authority has shown interest in procuring more refuse trailers and compactor. Considering the prices of the refuse trailer and compactor, it will be possible to use this amount to procure additional 2 trailers and one compactor only, Basrah Municipality will send official letter confirming this requirement.</p>	% of planned	70%
Output 2.4 UNICEF	<p>It has been planned to start this activity in 4th week of April 2010 where a workshop will be organized in Erbil, around 30 people from Basrah governorate will be invited representing stakeholders and community in Basrah governorate. The output of this workshop is to identify the key hygiene messages mainly related to best disposal practices.</p>	% of planned	30 %
Output 2.5 UNICEF	<p>In view of the magnitude of the works planned under the Landfill upgrade, the works have been sub-divided into smaller work packages – a) Survey & Soil Investigation; b) Admin Building, for the Landfill site and c) Landfill site works and access road.</p> <p>Survey and Soil investigation works was completed. Admin Building Weighbridge and Fence is still ongoing expected to complete physical work by mid May 2010. The Landfill site works and access road was awarded to a local company in Basrah and is expected to commence the work in April 2010.</p>	% of planned	60%

Qualitative achievements against objectives and results

As part of the overall objective of the project, the Draft Iraq Waste Management Law and Final Master Plan for the Integrated Solid Waste Management (SWM) in Basrah have been completed. In addition a number of detailed documents – Capacity Development & Institutional Strengthening Plan; Equipment Procurement Plan and Disposal Site Upgrading Plan have been completed. The above documents will form the basis for prioritising training of municipal staff, procurement of vital supplies/ equipment and the upgrading of landfill site.

In an effort to support national efforts to develop laws, regulations and policies, work has been completed in relation to the finalization of recommendations for short term priority actions to implement the master plan, and for changes to existing waste management laws, regulations and policies.

Aiming at strengthening the capacities of MMPW officials, study tours and training courses have been conducted during the reporting period on Integrated Waste Management and Hazardous Waste Management.

As of end March 2010, following are the key achievements:

Basrah component

- The final version of the master plan in Arabic has been shared with the government for review and comments. The government has accepted the document and confirmed that all of their comments have been considered. Still pending final approval by the new government.
- Physical completion of the construction of administration building and fence will be expected in Mid May 2010.
- The Landfill site works and access road was awarded to a local company in Basrah and is expected to commence the work in April 2010.
- All machinery identified in the plan and approved in the subsequent meeting with counterpart has been committed and purchase orders were issued in late 2009. Truck loader and Weighbridge have already arrived to Basrah Landfill site; other machinery will be delivered shortly.
- Surplus amount due to reduced prices in items under output 2.3 and 2.5 will be used for machinery (output 2.3). Informal discussions with Basrah Municipality show their interest in procuring more refuse trailers and compactor. Basrah Municipality will send official letter confirming this requirement.
- As part of Hygiene Awareness plan for the Basrah landfill project, workshop will be organized in Erbil in the 4th week of April 2010 involving 30 participants representing stakeholders and community in Basrah governorate. The output of this workshop is to identify the key hygiene messages mainly related to best disposal practices.

Consulting report recommending the short term priority actions required to implement the national waste management master plan was completed. A second report recommending changes to existing waste management laws, regulations and policies has been completed.

Detailed designs for the improvements to two public works garages in Basrah have been completed and have been put out to tender.

Main implementation constrains & challenges (2-3 sentences)

It remains a challenge to get high level discussion of the proposed Draft Waste Management legislation and nomination of appropriate officials for this purpose. In packaging and contracting out works associated with the vehicle workshops in Basra progress has been constrained by the quality of local contractors.

Regarding implementation of the Basrah component

- Delayed provision of data and un-duly long time taken by the government to nominate participants to training programs affected timely submission of deliverables.
- Issuing Visas for Iraqi official faced a considerable delays and rejections.
- Belated decision on the location of site for the landfill upgrade has affected timely submission of the Disposal Site upgrade plan and consequently delayed its implementation.

Overall delays during this period were due to the preparations for the elections and the deteriorating security situation all over the country.