

**United Nations Development Group Iraq Trust Fund**  
**Project #:A5-26**  
**Date and Quarter Updated: January-March 2010 (1<sup>st</sup> Quarter)**

**Participating UN Organisation:** FAO **Sector:** Agriculture and Food Security  
**Government of Iraq – Responsible Line Ministry:** Ministry of Water Resources (MoWR)

<b>Title</b>	Improvement of Water Supply and Irrigation Provisions through the Rehabilitation of Abu Sabkha Pumping Station				
<b>Geographic Location</b>	Qadissiya governorate, Diwaniyah District, Station is in the countryside at: 44.89325E/32.06345N				
<b>Project Cost</b>	US\$ 4,004,979				
<b>Duration</b>	18 months				
<b>Approval Date (SC)</b>	7/10/2008	<b>Starting Date</b>	9/12/2008	<b>Completion Date</b>	9/6/ 2010
<b>Project Description</b>	<p>The irrigation pumping station Abu Sabkha belongs to Mo WR in Al Dwianyah Governorate and is considered the main pumping station in the governorate providing irrigation water for 36,550 donums of agricultural land which supports approximately 8000 farming families. Currently the efficiency of the pumping station is non-existent as due to the breakdown of all pumps located in the pumping station as a result of excessive wear between the drive shafts and bearing bushes.</p> <p>The rehabilitation of the pumping station by providing four spiral pumps with all their mechanical and electrical accessories will restore the pumping capacity to the original level of 5.88 m<sup>3</sup>/sec. This would restore the irrigation area to full capacity bringing previously abandoned 36,550 donums of land back into production providing food security and long term employment and job opportunities in the rural command area.</p> <p>Due to restrictions regarding international procurement, the ministry has asked F AO to help procure the pumps and accessories needed for the aforementioned pumping station. F AO's role will also be in the nature of providing technical assistance and formulating the technical specifications. The role of the Mo WR would be to install commission and operate the various pumps installed. Besides the necessary capacity building in the operation of the pumping stations will be provided by F AO. For sustainability and part of its exit strategy F AO would also conduct a feasibility study on water user's association. This study will be carried out with their counterparts in the Mo WR and farming community members.</p>				

**Development Goal and Immediate Objectives**

**Development Goal:**

The project intends to improve the pumping infrastructure through replacement of the old pumps in Abu Sabkha by new ones. The development goal of the project is to enhance agricultural production and food security. This shall create a conducive environment for farmers to remain in their localities and may encourage some of those who migrated to urban centres to return to their original settlements for farming

**Immediate Objectives:**

1. Increase agricultural productivity;
2. Improve farmers' livelihoods;
3. Create an institutional understanding and capacity and provide the means for a sustainable operation and maintenance of the rehabilitated infrastructure, involving both the beneficiaries and the

government institutions.

<b>Outputs, Key activities and Procurement</b>	
<b>Outputs</b>	<ol style="list-style-type: none"> <li>1. Damaged pump station infrastructure rehabilitated/replaced</li> <li>2. 36,550 donums of land brought back into production with assistance to 8,000 families</li> <li>3. Technical capacity of MoWR staff enhanced including technology transfer</li> <li>4. Water Users' Associations (WUA) establishment feasibility study completed</li> </ol>
<b>Activities</b>	<ol style="list-style-type: none"> <li>1.1 A detailed assessment of Abu Sabkha pumping station completed and technical requirements determined.</li> <li>1.2 Tender approved and completion of contract awards for manufacturing and supply of mechanical and electrical equipment</li> <li>1.3 Factory inspection of equipment completed</li> <li>1.4 Delivery completed and installation of equipment in place, and training completed to restore Abu Sabkha pumping station to operate within efficiency norms which relates to capacity requirements for 4 spiral pumps each with a capacity of 1.47 m<sup>3</sup>/sec</li>   <li>2.1 Supply of water re-established to the irrigation command area</li>   <li>3.1 MoWR staff trained on pumping station operations by supplier and contractor</li> <li>3.2 MoWR staff capacity building on procurement and technical specifications</li>   <li>4.1 Tasks and TOR for WUA</li> <li>4.2 Budget Feasibility study completed</li> <li>4.3 Security Feasibility study completed</li> <li>4.4 Feasibility results shared with stakeholders</li> </ol>
<b>Procurement (major items)</b>	<ol style="list-style-type: none"> <li>1. 1000 KVA generator (100% complete)</li> <li>2. Water Pump: (90% complete)               <ol style="list-style-type: none"> <li>a) Pump rotor, complete with bearings and coupling</li> <li>b) Electrical Equipment</li> <li>c) Set of spares for incoming power automatic circuit breaker (as recommended by the manufacturer)</li> <li>d) Motor starter of each type and size used</li> <li>e) Gauge of each type used</li> </ol> </li> </ol>

<b>Funds Committed</b>	US\$ 313,831	<b>% of approved</b>	10.4%
<b>Funds Disbursed</b>	US\$ 194,183	<b>% of approved*</b>	6.5%
<b>Forecast final date</b>	9-6-2010	<b>Delay (months)</b>	N/A

<b>Direct Beneficiaries</b>	<b>Number of Beneficiaries</b>	<b>% of planned (current status)</b>
Men	20	4%
Women	0 upon delivery and installation	0%
Children	0 same	0%
IDPs	0 same	0%
Others	0	0%
Indirect beneficiaries	0	0%
Employment generation (men/women)	20	4%

<b>Quantitative achievements against objectives and results</b>			
A detailed assessment of Abu Sabkha pumping station completed and technical requirements determined	The detailed pumping station survey has been completed and approved by MoWR, and cleared by AGST, technical division, Rome	% of planned	100 %
Rehabilitation of the pumping station	Tender approved and completion of contract awards for manufacturing and supply of mechanical and electrical equipment	% of planned	95 %
	Factory inspection of equipment completed	% of planned	0%
	Delivery, training, and installation of equipment to restore Abu Sabkha pumping station to operate within efficiency norms which relates to capacity requirements for 4 spiral pumps each with a capacity of 1.47 m <sup>3</sup> /sec	% of planned	0%
Technical capacity of MoWR staff enhanced including technology transfer	MoWR staff capacity building on procurement and technical specifications	% of planned	30%
Water Users' Associations (WUA) establishment feasibility study completed	Tasks and TOR for WUA created, pending budget revision	% of planned	10%
	Budget Feasibility study completed	% of planned	0%
	Security Feasibility study completed	% of planned	20%
	Feasibility results shared with stakeholders	% of planned	0%

**Qualitative achievements against objectives and results**

Technical specifications for the pumping station have been agreed on. The rehabilitation of pumping station and capacity building to commence. MoWR staff capacity building already in progress regarding procurement and technical specifications analysis. Damaged pump rehabilitation and replacement of parts will commence once all the parts are fully procured and installed. Water Users' Associations (WUA) establishment feasibility study is in progress.

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

There is a delay of about 12 months for the implementation phase to start because of delay of fund allocation, resulting in delay in procurement and tendering finalizations. This delay does not impact the outcomes and outputs of the project and all activities should be completed before end of project date.