

Integrated Irrigation Improvement and Management Project, Egypt

Assignment	Providing technical and administrative assistance to the Integrated Irrigation Improvement and Management Project, including assistance to the Project Management Unit, design and rehabilitation of irrigation canals, and assistance to the Regional Coordination Units.
Client	Government of Egypt
Financing Agency	Kreditanstalt für Wiederaufbau
Partners	MMD (UK), CES (Germany), CBI (Egypt), Sabbour (Egypt)
Composition of Team	<p><i>Euroconsult Mott MacDonald:</i> Chief Technical Advisor, Sub-Surface Drainage Specialist, Hydraulic Modelling Specialist, Contracts/Construction Specialist, Participatory Irrigation Development Specialist, Training Specialist</p> <p><i>Partner(s):</i> Over 30 experts in various disciplines</p>
Period of Assignment	From October 2008 to December 2014 Staff months: Euroconsult Mott MacDonald: 100; Partner(s): 536
Contract value	Euroconsult Mott MacDonald: € 3,185,000 Partner(s): € 3,551,000
Background	<p>The Egyptian Ministry of Water Resources and Irrigation (MWRI) has embarked upon an institutional and water management reform process based on integrated water resources management (IWRM) principles, reflected in the National Water Resources Plan (NWRP) 2017. This includes: (a) user participation, (b) subsidiarity of water resources management, (c) considering water as a scarce commodity, (d) recognition of women's role in water management, (e) integration of ministerial services and (f) adoption of an enabling legal framework. The Integrated Irrigation Improvement and Management Project (IIIMP) has taken the lead in launching this reform agenda, in collaboration with all major donors in Egypt.</p>
Description of project	<p>The overall goal of the IIIMP is improving the management of irrigation and drainage in the two command areas of the Mit Yazid and Mahmoudia canals in the Nile delta. The improved management is expected to lead to increased efficiency and more sustainable use of land and water, and thus to have a positive impact on water distribution, quantity, quality, equity, timeliness, and hence, poverty alleviation.</p> <p>The IIIMP project comprises five components: (1) improved and integrated water management, (2) improved on-farm water management, (3) institutional development and capacity building, (4) project management, coordination and integration, and (5) environmental mainstreaming.</p> <p>A key aspect of the IIIMP approach is the application of IWRM principles. As the project is expected to establish suitable arrangements for users' participation and integrated irrigation and drainage service</p>

delivery to these users, substantial institutional changes are anticipated. The Ministry of Water Resources and Irrigation (MWRI) will have the prime responsibility for IIIMP implementation, but the irrigation and drainage system users (individually or collectively) will be the principal partners to the MWRI.

Services provided

The Project will be implemented in three parts.

(A) Part A (basically implemented by Euroconsult MMD) is the provision of technical and administrative assistance to the Project Management Unit (PMU) in MWRI. The consultants will provide guidance and support to the Regional Coordination Units (RCU) and Regional Implementation Teams (RIT). We will help the PMU prepare documents for release of donor funds, initiate and coordinate Project monitoring, detect problems in implementation and make corrections as needed, and prepare and submit reports as required.

Main outputs of Part A will be: timely and well-coordinated implementation of IIIMP, timely release of donor funds, results of regular and comprehensive monitoring of Project implementation reported and discussed to prompt timely adjustments in implementation as needed, and timely reporting.

(B) Under Part B (basically implemented by MMD UK) the consultants will identify hydraulic and physical deficiencies in the El-Zawya sub-main and Mit Yazid and Mahmoudia main canals and structures and propose alternative structural solutions. A key challenge is to increase the volume and efficiency of water deliveries.

Key outputs of Part B will include: appropriate designs for rehabilitation and upgrading, agreements about designs with farmers and other stakeholders and tender documents for implementation.

(C) Under Part C (basically implemented by CES) the consultants will design and implement command area irrigation and drainage improvement works for application of continuous flow irrigation techniques. Under Part C the consultants will also assist MWRI in implementing construction of the main and sub-main canal improvement works designs prepared under Part B.

Key outputs of Part C will include: timely completion of construction of canals and structures, with agreement and support of farmers and other stakeholders.