

HYDROAGRICULTURAL REHABILITATION OF SMALL AND MEDIUM-SIZED IRRIGATION NETWORKS IN TOUGHZA

2013

Location

Rural Commune of
Sidi Kacem, Tétouan
Province, Morocco

Client

Provincial Directorate
of Agriculture of Tétouan

Stage

Basic design,
Detailed design,
Tender procedure,
Project management and
Construction supervision

Length

3061 m

A1V2 Maroc carried out the following
missions:

Mission I. Basic design:

Diagnosis of existing irrigation networks,
study of the rehabilitation work to be carried
out, preliminary measurements of work.

Mission II. Detailed design:

- Written parts: synthesis, calculation
of the sizes of cross drainage systems
and irrigation network, detailed bill of
quantities and cost estimate;

- Drawn parts: implantation plans,
detailing of reinforced concrete
structures, formworks dimensioning
drawings, plan and longitudinal profile
of the rural paths, detailed drawings
of connections to the existing road
network, rainwater drainage network
drawings;
- Tender documents: rules for the
consultation of tender documents,
contract specifications and special
prescriptions, bill of quantities and cost
estimate.

DIAGNOSIS OF AN EXISTING IRRIGATION CANAL



CONSTRUCTION OF AN IRRIGATION CANAL





LAB TESTING AND INSPECTION

Mission III. Project management and construction supervision:

To carry out this project, a rural engineer was assigned as mission leader and a civil engineering technician was responsible for the project design and construction supervision.

The team performed the following tasks: project planning and coordination; update of the written and drawn parts; project management; construction supervision and

acceptance of works; preparation of the final bill of quantities and final job accounting; provisional acceptance of works.

Among the works supervised, the following stand out: earthworks (landfills and excavations), demolition of existing hydraulic works, riprap, construction of gabion walls, masonry walls, expansion joints, waterproofing, supply and installation of metal sheets, supply and placement of PVC pipes, installation in the construction site and signage.

FINAL IRRIGATION CANAL

