



MAHAMA & MPANGA IRRIGATION SCHEME

CLIENT:

WAPCOS Limited

LOCATION:

Eastern Province, Rwanda

SCOPE OF SERVICES:

AEMPL engaged to provide Engineering Consultancy Services for Preparation of Detailed Project Report (DPR), Tender Design, Technical Specifications and assistance to WAPCOS for the Intake System Works for Irrigation Schemes in Mpanga and Mahama Sectors of Easter Province of Rwanda.

PROJECT DESCRIPTION:

The intake system of the Project involves construction of off-taking structures, head regulator, sedimentation tank, pump house, rising main and storage tank for irrigation from the River Akagera on the Rwanda – Tanzania border. The River has a minimum flow of 90 m³/s and a maximum discharge of 694 m³/s corresponding to return period flood of 1 in 40 year. The Project requires pumping of silt-free water to storage tank by construction of required number of off-tanking intake and its associated structures along the left bank of Kagera River covering Mpanga and Mahama Sectors.

The following works have been completed by M/s Aquagreen Engineering Management Private Limited for the Detailed Project Report

- Review of hydrology
- Preparation of DPR stage Design and Drawings for Civil & Hydro Mechanical Components
- Design Reports for all designs based on BIS
- Preparation of Bill of Quantities for all the major items of work
- Estimation of Cost of Intake System Works.
- Preparation of Technical Specifications for all the Civil and Hydro-Mechanical Works
- Assist WAPCOS in technical validation of the intake system in Rwanda