Refurbishment of Emalahleni Bulk Scheme

Sedimentation tank

Rapid Gravity Sand Filter
Hartbeespoort Dam Integrated Biological Remediation Programme

**CLIENT:** DWA – Gauteng

**SCOPE:**
Rand Water is appointed by DWA as IA for the programme which entails the management and treatment of the hypertrophic status of the dam. Activities include biomass removal, biomass establishment, sediment removal and food web restructuring.

**OBJECTIVE:**
Reduce the internal nutrient load and manage pollution impacts to the Crocodile West Marico Catchment which lead to the dam.

**VALUE:** R26m

**Progress:** 95%

**Jobs Created:** Average 123
Hartbeespoort Dam Project

Food-web restructuring (undesired fish species removal)

Launching a floating wetland
Management of Eskom Raw Water Treatment Plant

CLIENT: Eskom Grootvlei – Mpumalanga

SCOPE:
Rand Water was appointed by Eskom in September 2010 for operation and management of treatment plant for a period of 3 years. To abstract raw water from the Vaal dam, purify and supply to the Grootvlei power station. There is currently a staff compliment of 11 employees.

OBJECTIVE:
To provide cooling water for power generation.

VALUE: R3.3m/year
Progress: 65%
Jobs Created: 11
Major Scope:

• Abstraction of raw water.
• Purification
• Pump to Grootvlei power station
Operation and Maintenance of the Sasol Raw Water Pipeline

**CLIENT:** Sasol Secunda – Mpumalanga

**SCOPE:**
Rand Water was appointed by Sasol for operation and maintenance of a raw water pipe line for a period of 5 years.

**OBJECTIVE:**
To provide raw water to Sasol.

**VALUE:** R0.3m/year

**Progress:** 10%

**Jobs Created:** nil
Design, Construction And Supervision Of A Water Reservoir And Inlet Pipe.

**CLIENT:** Joe Gqabi DM – Eastern Cape

**SCOPE:**
Rand Water was appointed as IA for the design, construction and supervision of a water reservoir and inlet pipe.

**OBJECTIVE:**
To increase excess to water by communities.

**VALUE:** R2.7m

**Progress:** 98%

**Jobs Created:** 8
**CLIENT:** Joe Gqabi DM – Eastern Cape

**SCOPE:**
Rand Water is appointed as IA for the upgrading of a bulk sewer line and diversion thereof. This will involve design and construction of a new sewer line.

**OBJECTIVE:**
To stop spillage of sewage into the Orange River.

**VALUE:** R2.5m

**Progress:** 5%

**Jobs to be Created:** 4

**Diversion and Upgrade of the Springs Bulk Sewer Pipeline**
Refurbishment of Oviston and Aliwal North WWTW’s

**CLIENT:** Joe Gqabi DM – Eastern Cape

**SCOPE:**
Rand Water was appointed as IA for the refurbishment of Oviston and Aliwal North wastewater works. Activities involved replacement of aerators, pumps and motors. Repair of damaged sewer lines and commissioning of the wwtw’s.

**OBJECTIVE:**
To stop spillage of sewage into the Orange River and the dam. And to further improve the effluent quality.

**VALUE:** R10m

**Progress:** 100%

**Jobs Created:** 4
Oviston Wastewater Treatment Works

Refurbish/Repair

• Aerators
• Sewer networks
• Sewer pump stations
• Disinfection
Water Master Plan for the Aliwal North region

**CLIENT:** Joe Gqabi DM – Eastern Cape

**SCOPE:**
Rand Water was appointed as IA for the design of a water master plan for Aliwal North Region.

**OBJECTIVE:**
To verify all water assets and project infrastructure requirements to meet future demand.

**VALUE:** R0.5m

**Progress:** 100%

**Jobs Created:** nil
Overall Management Support as IA to DCOG

**CLIENT:** DCOG National

**SCOPE:**
Rand Water was appointed as IA to provide management and technical support to DCOG in water services related activities of the department.

**OBJECTIVE:**
To improve service delivery by providing management & technical support to specific municipalities who are struggling with provision of water services.

**VALUE:** Original budget was R9m. R3.9m was spent.

**Progress:** 100%. The project was discontinued by DCOG.

**Jobs Created:** 4
Capacity Building of Bushbuckridge Water Board (BWB)

**CLIENT:** DWA National

**SCOPE:**
The Minister issued a directive on 2\textsuperscript{nd} February 2010, Rand Water was requested to assist with capacity building of (BWB). A due diligence investigation was conducted, funding sourced from National Treasury.

**OBJECTIVE:**
To improve institutional performance, O & M efficiencies and cost recovery.

**VALUE:** R18m is allocated for for phase 1.

**Progress:** 5%. There are delays wrt approvals and transfer of funds from Treasury to Rand Water.

**Jobs Created:** To be determined.
AFRICA GROWTH PROJECTS

- Projects are sourced through;
  - International tenders
  - Respond to invitations from potential partners.
  - Supporting the DWA MoU’s/Africa initiatives.
  - By invitation from DTI.
A MoU was signed with Swaziland Water Services Cooperation (SWSC) for collaboration on broader water sector issues.

- SWSC appointed Rand Water to assist them in preparation for ISO accreditation of their laboratory.
- The project was completed successfully within time (July 2011) and budget (R30 000.00)
• The DRC requested assistance from the South African Government in 2007 to improve water supply in the Katanga Province.

• Visits to the DRC culminated in the signing of the Bi-national Agreement between SA and DRC on 20 June 2011, in Lubumbashi (DRC).

• DWA further requested Rand Water to prepare a business plan to address the identified water challenges.

• DWA appointed Rand Water, in January 2012 to be the implementing agent for the project.

• Project value – R22m.
MAJOR TASKS

• Replace pumps and motors with similar brand for uniformity.
• Replace electrical panel to match new equipment
• Design and install new disinfection systems
• Provide laboratory equipment and train personnel;
• Repair/replace pump line
• Provide relevant tools and vehicles for maintenance
• Provide on the job training to maintenance personnel.
DRC PROJECT IN LUBUMBASHI
The Botswana water utility appointed Rand Water to assist in design and implementation of business systems.

- Project commenced in April 2012, ends in November 2012.
- Project value is R 486 000.00.
- This appointment is used as a spring board to launch the Rand Water product offerings in Botswana.
• The WOP program was launched on August 2011 at the African Development Bank in Pretoria.
• The program manager is accommodated at the Rand Water head office in Rietvlei.
• 490,000 EUROS was provided as a grant by the ADB acting as trustee for the African Water Facility (AWF).
• Rand Water is awarded to mentor the River State Water Board in Nigeria through the WOP program.
• Preparations are at advanced stage, commencement is planned for July 2012.
• Rand Water formed a WOP program with Kenya and Ethiopia
• UNH/CAPNET funded project
• Project team been to Harar and Nairobi in 2011
• There’s a need to assist with capacity building on water safety plans
• Capacity building needed in water quality management, water loss, infrastructure management, etc.
• Proposals made and responses awaited
• Memorandum of Understanding (MOU) with Energy Water and Sanitation Authority (EWSA) being finalized
• The MOU is underpinned by challenges raised by EWSA during engagements
• The engagements is supported by the our government-Department of Water Affairs (DWA)
• We are visiting EWSA with DWA to finalize the implementation plans
Liberation of the African child is achievable
THANK YOU