

FOR IMMEDIATE RELEASE

**PUMP STATIONS FOR KRIEL WATER AND WASTEWATER
TREATMENT PLANT**

ITT Water & Wastewater has secured the contract to supply pump stations for Phase I of the Ganala Sewage Treatment Works Upgrading project. The project design engineers on the project are Masetlaoka Scott Wilson.

The scope of work for ITT Water & Wastewater includes both mechanical and electrical works as well as the supply and installation of three 55 kW Flygt JA417 jet aerators, motor control centres (MCC) for the jet aerators, a sludge pumping station which will have two Flygt NP3127 submersible pumps with motor control centres (MCC) and a raw sewage pump station which will be dry installed.

“The patented Flygt N-pump is hailed as the most efficient submersible pump for contaminated water. A new impeller and volute design prevents the build-up of fibrous material and practically eliminates the risk of blockages, reducing costs and slashing maintenance bills,” Yarren Pillay, project engineer at ITT Water & Wastewater, says.

“The highest efficiency value for a typical single vane pump in a best specific speed range is about 70%, whereas the Flygt N-pumps deliver 80% or higher, equating to 15% less power consumption,” Pillay says.

“From the range of products being supplied it is evident that we are able to offer a diverse range of products that make up the most appropriate solution for a sewage or wastewater treatment plant. Another advantage we have is our flexibility in being able to offer both submersible and dry installation options,” Pillay adds.

In addition to the supply of the new products and pump stations, ITT Water & Wastewater will also be responsible for the upgrading and refurbishment of existing mechanical equipment in order to ensure plant functionality.

ITT Water & Wastewater, in conjunction with consultant Masetlaoka Scott Wilson, assessed the existing plant and provided the most appropriate and economical solution to bring the plant back to functionality, with an anticipated completion date of May 2009.

“ITT Water & Wastewater proactively identified a need within the water engineering sector for a projects division that would be able to assist in assessing existing plants and providing upgrade/refurbishment solutions, assisting with the design and engineering of new plants and project managing

the implementation,” Richard White, business unit manager public utilities and wastewater at ITT Water & Wastewater, says.

The company has staffed the division with skilled engineers who have the appropriate experience and expertise. “This,” White says, “has become an essential market offering as skills have diminished in this sector of industry.

“We believe in both procuring technical specialists from outside the company as well as upskilling our existing personnel by providing them with the training and resources they would need to enhance their current capabilities and skills,” White adds. “By being able to offer our customers access to this projects division, we eliminate many of the hassles involved in undertaking plant upgrades.

In addition to ITT Water & Wastewater’s pledge to provide customers with superior products and services, over the last decade the group has committed substantial resources to Design for Environment (DFE), which focuses on energy efficiency as the most critical element, since energy consumption has the greatest detrimental effect.

“From the very beginning, ITT Water & Wastewater and its various suppliers have focused on developing high quality products that are robust and highly efficient. The aim is to offer customers a solution that results in low cost

during the full life cycle of the product (Life Cycle Cost or LCC), high efficiency and low maintenance needs," White concludes.

CAPTION FOR KRIEL 01: These Flygt N-pumps will be fitted with an aerator to oxidize the water.

CAPTION FOR KRIEL 02: Hugo du Plessis, public utilities application engineer at ITT Water & Wastewater, standing next to the Flygt N-pumps.

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