

### **C3.2. SCOPE OF WORK**

Supply, remove old valves, install new, test and commission and put into service Station3 Sludge electric actuated valves at Zuikerbosch Pumping Station as per Rand Water valve spec:

5 off Knife gate valve DN450, TP15

Rising Spindle, Body: SG42 Epoxy coated. Blade SS304

Gearbox: direct mount

Electrical Actuator SAC14.6-45rpm

Supply voltage :415V 3PH 50Hz

Control: Profibus option 4- 20mA, PTQ card will be issued by site and the contractor will only have to interface this module into the PLC software and configure the module accordingly.

Feedback: Matic:AC01.2

Version: Anti -clock to close

Ratio: 8:1

Install and wire according to existing specs.

Ensure each actuator communicates with our existing network.

Ensure functionality of each Actuator.

Supplying of Test Certificate for each valve and actuator.

Supplying of product manuals.

Supplying of drawings.

Test & Commission each actuator on site.

N.B: All bidders are required to attend the compulsory site briefing and sample of all valves can be viewed on site.

\*Method Statement to be submitted (Clear procedure illustrating how the work will be executed)

\*Due diligence may be required.

\*Successful supplier must submit a complete Safety File for Induction at Zuikerbosch Risk Department within 10 days of receiving official order number, for approval.

\*Successful supplier must submit the Quality Control Plan as well as the programme within 2 weeks after the approval of the scope of work.

\* Progress meetings will be required for duration of the project

\*Supplier to make use of their own equipment, No Rand Water equipment will be made available

## **C4. SITE INFORMATION**

### **1. SITE LOCATION**

The site is at Rand Water Zuikerbosch Pumping Station Station 3. It's location is 26°21'05.9"S; 28°04'02.0"E in Zuikerbosch farm.

### **2. SITE BOUNDARIES**

The Contractor shall confine his activities to Station 3 and within the vicinity of designated area. The actual boundaries of the site will be pointed out by the Engineer. The Contractor shall not extend his activities outside the boundaries unless the Engineer has specifically authorized the extension in writing.

### **3. SITE ACCESS**

Only the Contractors team that has undergone Site Induction will be allowed to access and perform any work activities from site. Should there be any Contractor's employee other than the site team who wants to visit the site; arrangements for access are to be done through the Engineer.

### **4. CLEANING UP OF WORKS AND SITE**

- The Contractor shall maintain the whole of their designated area in a clean and orderly condition, to the satisfaction of the Engineer.
- On completion of the work the Contractor shall tidy up the site to the satisfaction of the Engineer.
- All surplus material, debris, etc. shall be carted away and the whole site shall be left in a neat and orderly condition.