

<b>Additional Staff Resources</b> <b>Roles and responsibilities of contractor staff in line of duty of typical Work Projects</b> <b>Curriculum Vitae required for each staff resource</b> <b>Details shall be completed in Returnable Schedule F15.4</b>		
Number	Position	Job Description for this tender
1.2	Electrical cable jointer	<ul style="list-style-type: none"> <li>Problem solving skills.</li> </ul> <p>The following certificates for the Cable Jointer shall be required at commencement of contract.</p> <ul style="list-style-type: none"> <li>Responsible Persons certificate in terms of NRS 040 – High Voltage Operating Regulations</li> </ul> <p>SAQA US ID: 242766: Demonstrate knowledge and understanding of Operating Regulation for High Voltage Systems</p>
1.3	PLC, HMI & SCADA Programmer	<p>This person shall have the necessary training, skills and experience to program Schneider PLC's and Adriot SCADA machines. These are the installed base of brands of software packages that is part of the installed base and need to be maintained. The work will be required once a new MCC is being built, during commissioning and general faultfinding at all Water and Sanitation facilities in the ENGINEERING AND ASSET MANAGEMENT (EAM) areas.</p>
1.4	Instrumentation Technician/Artisan	<p>This person shall have the necessary training, skills and experience to install, replace, program, fault find on most instrumentation devices measuring and controlling level, pressure, temperature, movement sensors, flow. This will include in line flow meters and flue type flow meters at all Water and Sanitation facilities in the Region 3 ENGINEERING AND ASSET MANAGEMENT (EAM) areas. Work will take place at contractors or sub-contractors workshops and all Water and Sanitation facilities in the ENGINEERING AND ASSET MANAGEMENT (EAM) areas.</p>
1.5.1 1.5.2	Assistant to artisan no.1 and no. 2	<p>This person is the assistant to the electrician but not limited to. The person will be responsible to assist with the safe execution of all relevant type of jobs in the scope of work. The artisan trade description would be someone trained, skilled and experienced in all the relevant staff resources listed in this tender specification. Generally the assistant would have the necessary training, skills and experience to assist the relevant artisan with stripping, fitting, assembling and cleaning of parts and equipment. The assistant would have a very good knowledge of the tools and artisan requires and need in the execution of that person's tasks. The assistant hand and manage the tools required by the artisan and generally ensure the work area is cleaned and tidied upon completion of work. Work will take place at contractors or sub-contractors workshops and all Water and Sanitation facilities in the ENGINEERING AND ASSET MANAGEMENT (EAM) areas.</p>
1.6	Draughtsman	<p>This person shall have the necessary training, skills and experience to work on Computer Aided Draughting (AutoCAD) software packages. The person will need to interpret existing Water and Sanitation drawings and designs and able to modify or replicate electrical and mechanical drawings when changes or updates are required. This person will have years of experience in the typical design of electrical automation designs integrated with low voltage control systems, plc control, instrumentation monitoring and control using CAD software. Work will take place at contractors or sub-contractors workshops and all Water and Sanitation</p>