

**QCTO PRICING SCHEDULE FOR SUPPLY & INSTALL, TEST AND TREAT THE WATER CONNECTION FROM THE BOREHOLE TO BUILDING A & B**

Item	Description	Unit	Quantity	Rate Per Unit	Amount
1	Site establishment/Assessment	Once off	Once off	R	R
2	<b>TRENCHING &amp; PIPE INSTALLATION</b>				
2.1	Non-destructive radar/ground scanning to detect any buried utilities (such as water, electricity, telecoms or gas) before excavation	Sum	1	R	R
2.2	Excavate trench for water pipe (350mm deep)	Metre	90	R	R
2.3	Backfilling, compaction, and reinstatement of paving/concrete	Metre	90	R	R
2.4	Supply and install HDPE/PVC water pressure pipe (100mx110mm)	Roll	2	R	R
2.5	Pipe bedding material (Sand)	Metre	90	R	R
2.5	Supply and install Genebre Braas swing type check Valve FXF PN8 100mm 318512	Each	5	R	R
2.6	Supply and install Klamflex Ranger Pipe Coupling 109-128mm (4" Steel Pipe)	Each	5	R	R
2.7	Supply and install Genebre Braas Gate Valve FXF PN20 Blue Handle 100mm 322112	Each	5	R	R
2.7	Provisional sum of R15000.00 for all the piping connections, elbows, valves, galvanised barrel & equal tee,	Sum	1	R	R
3	<b>STORAGE &amp; PRESSURISATION</b>				
3.1	2X Supply and installation of water storage tanks (20 000L)	No	2	R	R
3.2	Tank stand/concrete base (30MPA concrete strength)	No	2	R	R
3.3	4.5KW Pressure booster pump set with a connection kit (to the building) of a durable and reputable brand	No	2	R	R
3.4	Pressure control switch and fittings	No	1	R	R

4	<b>FILTRATION &amp; WATER TREATMENT</b>				
4.1	Borehole water testing (chemical & bacteriological)	Sum	1	R	R
4.2	Supply and install sediment filter	No	4	R	R
4.3	Supply and install carbon filter	No	4	R	R
4.4	Chlorination/UV treatment system	No	2	R	R
4.5	Commissioning of treatment system	Sum	1	R	R
5	<b>2X BUILDINGS CONNECTION</b>				
5.1	Connection of the borehole system to the 2x building plumbing	Sum	2	R	R
5.2	Isolation valve at 2x building entry	Sum	2	R	R
6	<b>TESTING &amp; COMMISSIONING</b>				
6.1	Pressure testing of pipeline	Sum	1	R	R
6.2	System commissioning and functional testing	Sum	1	R	R
6.3	Twelve (12) Months maintenance and service of the system (Including all the monthly water quality testing and system calibration required). Provide Lab water testing report and certificate monthly.	Month	12	R	R
6.4	Plumbing COC	Sum	1	R	R
6.5	Electrical COC	Sum	1	R	R
7	<b>LABOUR</b>				
7.1	Qualified Plumber	Day	12	R	R
7.2	Assistant Plumber	Day	12	R	R
7.3	Qualified Electrician	Day	6	R	R
7.4	General worker X2	Day	12	R	R
8	<b>COMPLETION</b>				
8.1	<b>NB: Defects liability included (12 months)</b>				
8.2	All materials to comply with SANS standards				
8.3	Rates to include materials,tools,fittings and consumables				
8.4	Quantities may be adjusted after site inspection				
8.5	Contractors to provide warranty certificates for all equipments and materials used				
<b>SUB-TOTAL</b>					<b>R</b>

**PRICING SCHEDULE SUMMARY**

<b>SUB-TOTAL</b>	<b>R</b>
<b>CONTINGENCY @10%</b>	<b>R</b>
<b>SUB-TOTAL + CONTINGENCY</b>	<b>R</b>
<b>VAT @15%</b>	<b>R</b>
<b>GRANT TOTAL</b>	<b>R</b>