Project Proposal

Prepared for: Antoinette
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Proposal number: 123-4567
EXECUTIVE SUMMARY

Enquiry
To set up a water treatment plant that will produce 500 litres per hour using municipal water as the source. The water will be bottled manually, and there will also be an outlet for customers to do their own refills with their own bottles.

Solution
Is a commercial reverse osmosis system complete with pre treatment.

Project Outline
Here is the recommendation below, In Order.
- Raw Water Tank
- Raw Water Pump
- Sand Filter
- Carbon Filter
- Water Softener with Brine Tank
- Reverse Osmosis System
- Pure Water Tank
- Pure Water Pump
- UV Steriliser
- Filling Line

TYPICAL RO SETUP
## Price Breakdown for Equipment

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Unit Price</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raw Water Tank, 5000 Liters (Not Compulsory)</td>
<td>1</td>
<td>R 0</td>
<td>R 0</td>
</tr>
<tr>
<td>Raw Water Pump</td>
<td>1</td>
<td>R 4 000</td>
<td>R 4 000</td>
</tr>
<tr>
<td>Sand Filter</td>
<td>1</td>
<td>R 7 000</td>
<td>R 7 000</td>
</tr>
<tr>
<td>Carbon Filter</td>
<td>1</td>
<td>R 8 000</td>
<td>R 8 000</td>
</tr>
<tr>
<td>Water Softener</td>
<td>1</td>
<td>R 10 000</td>
<td>R 10 000</td>
</tr>
<tr>
<td>Chlorine Dosing System</td>
<td>0</td>
<td>R 0</td>
<td>R 0</td>
</tr>
<tr>
<td>RO System 500LPH / Vontron Membrane</td>
<td>1</td>
<td>R 50 000</td>
<td>R 50 000</td>
</tr>
<tr>
<td>Radar Level Switch</td>
<td>1</td>
<td>R 500</td>
<td>R 500</td>
</tr>
<tr>
<td>Pure Water Tank - Stainless Steel 1000 Liter</td>
<td>1</td>
<td>R 7 500</td>
<td>R 7 500</td>
</tr>
<tr>
<td>Pump from Pure Water Tank</td>
<td>1</td>
<td>R 3 500</td>
<td>R 3 500</td>
</tr>
<tr>
<td>10 Inch Fat housing with UDF Filter</td>
<td>1</td>
<td>R 800</td>
<td>R 800</td>
</tr>
<tr>
<td>UV 55 watt</td>
<td>1</td>
<td>R 2 500</td>
<td>R 2 500</td>
</tr>
<tr>
<td>Water Bar</td>
<td>1</td>
<td>R 0</td>
<td>R 0</td>
</tr>
<tr>
<td>Parts &amp; Fittings</td>
<td>1</td>
<td>R 2 000</td>
<td>R 2 000</td>
</tr>
<tr>
<td>Installation</td>
<td>1</td>
<td>R 3 000</td>
<td>R 3 000</td>
</tr>
<tr>
<td>Delivery (Johannesburg or Pretoria)</td>
<td>0</td>
<td>R 0</td>
<td>R 0</td>
</tr>
</tbody>
</table>

**Total**                                          |          | **R 98 800** |
**Vat @ 14%**                                       |          | **R 13 832** |
**Total Including Vat**                             |          | **R 112 632** |
Notes

Sand Filter System x 1 pc
FRP Vessel 1054
40 kg Quartz Sand x 2
Automatic Sand Control Valve
Riser Pipe & Strainers

Carbon Filter System x 1 pc
FRP Vessel 1054
25 kg Coal Based Activated Carbon x 2
Automatic Control Valve
Riser Pipe & Strainers

Water Softener x 1 pc
FRP Vessel 1054
25 Liter Cation Resin x 2
Automatic Control Valve
Riser Pipe & Strainers
100 litre Brine Tank
150 kg Salt Included

Reverse Osmosis System
Model: 500 LPH
2 x LP 4040 membrane voltron Membranes
Max. Pressure: 300PSI

Water Bar
Stainless Steel Stand
Granite Top
Glass Tank
Float Valve
Basic Signage
Bubble Pump
Ozone