

Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
A	<p align="center"><u>BOREHOLE WATER TREATMENT PLANT</u></p> <p align="center">Water Treatment Plant Unit</p> <p>Supply, install, test and commissioning a water treatment plant with an output of 15.0m³/hr complete with all the accessories including all connections to the services, waste, jointing to water supply, stainless steel supports, SS bolts and all plugging and screwing to walls and floors. The unit to have the following components:</p> <p>Complete in-line Chlorine & Flocculation Dosing Unit with 4No. Each 170L storage tanks for flocculation, Complete PH Dosing Unit, Complete SMBS Dosing Unit and Complete Antiscalant Dosing Unit.</p> <p>1.No. Pre-filtration pumpset as Grundfos CR20-5 or approved equivalent complete with pressure vessel, stainless steel frame and all accessories for proper functioning .</p> <p>2 No.High pressure sand multimedia sand filter complete with sand and activated carbon media as FRP 48x72 or approved equivalent. To be supplied complete with all its accessories for proper functioning.</p> <p>Reverse Osmosis Units as Dayliff or approved equivalent complete with RO high pressure membranes, UV system, catridges, meters, connectors, valves, PLC control panel, automatic timer flush device, 1No. Clean in place system(CIP) complete with chemical tank & pump and any other accessories for proper functioning</p> <p>6 No. High pressure pump (min.3 bar) for dosing as Grundfos or approved equivalent complete with pressure vessel, ss frame and all accessories for proper functioning</p> <p>1.No.High Pressure pumpset as Grundfos CR20-17 or approved equivalent complete with pressure vessel, stainless steel frame and all accessories for proper functioning .</p> <p>Interconnecting pipework in Heady Duty PCV Pipes and stainless steel complete with all the necessary fittings, connections, supports, etc for satisfactory completion and performance of the entire installation.</p> <p>Testing and Commisioning</p>	2	Item		
B	<p>allow for testing and commisioning of the raw water treatment plant installations to approval</p>	1	Item		
Total for Water Treatment Plant Carried to Summary Page 107					

Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
PORTABLES					
Supply, deliver and install the following fire fighting equipment in positions indicated on the contract drawings or as shall be instructed by the Engineer.					
Water Fire Extinguisher					
A	9 litres water portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	1	No		
Carbon Dioxide Gas Fire Extinguisher					
B	9 litres carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	1	No		
DCP Fire Extinguisher					
C	Dry Chemical Powder fire extinguisher complete with initial charge and mounting brackets.	1	No		
Manual Bell					
D	Manual Bell	1	No		
Fire cabinet					
E	Allow for fire portables and hosereel cabinets 300x800x1000mm for the above extinguishers to engineers approval	1	No		
Fire Notices					
F	Allow for fire signage for the hose reel system, fire exits, fire instructions as directed by engineer	1	No		
Total for Firefighting Carried to Summary Page-107					

Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
	<u>STATIONERY</u> <u>Tenderers shall price for the following stationery requirements. These shall then be delivered, upon their first demand to the Mechanical Engineer (BS) immediately after the award to the successful tenderer.</u>				
A	Photocopy paper, size A4, 80g/cm ³ , White, 500 sheets	25	Ream		
B	High Back Chair in Fabric/Meshback W/Headrest as 'FURSYS'	1	No		
C	Toner Cartridges for HP Laser jet Printer as HP 26A	5	No		
	HP Laptop				
D	Hp Laptop HP-Z Book, G-6,Y-7, Hexa- Core, Ram 32GB, Screen 15" Screen Solution -4K- dream -Colour Complete Complete 4G 1 CARD	1	No		
E	Digital Vernier caliper as Tolsen or approved equivalent	1	No		
F	Distance measuring Equipment. To be as Bosch GLM 40 Professional or approved equivalent to the below specification:- *Measuring range: 0.2m to 40m *Display: Digital screen *Measurement time: less than 1 sec *Accuracy: less than 2mm *Units of measurement: m/cm, ft/inch *Weight: less than 100g *Measurements: standard length, surface, and volume calculation as well as indirect height measurements *Memory: Over 5 measurements	1	No.		
G	Thermal Data Logger	1	No		
Total for Stationary Carried to Summary Page 107					

SUMMARY PAGE

Item	Description	Amount (Kshs)
1	Total for Preliminaries b/f from page 103	
2	Total for Water Treatment Plant (Reverse Osmosis)Mechanical Works B/f from page104	
3	Total for Fire Protection Systems B/f for Page..... 105	
4	Total for Stationry B/ F from Page..... 106	
Provisional Sums		
5	Allow for erection of (2No.) water treatmant plant rooms to accommodate the (2No.) 15,000 LITRES PER HOUR WATER TREATMENT PLANTS.	3,300,000.00
6	Allow for Provision of Three Phase Power Supply to the TWO Plant Rooms.	1,000,000.00
7	Allow for Construction of Louvered , Lockable Entrance to Pump Room.	100,000.00
8	Allow for Overseas Factory Visit Inspection for 4 Officers, 3 No.Project Engineers and 1.No. Client's Representative in Assembly Workshop.	3,000,000.00
9	Contigency Sum	1,500,000.00
Total amount for Mechanical Works Carried Forward to Form of Tender		

Amount in words.....

Tenderer's Name and Stamp.....
 Address

Period To Execute The Works

Tenderer's V.A.T No

Tenderer's P.I.N No

Telephone No.

Mobile No.

Tenderer's Signature Date.....

Witness Signature Date.....