



OFFICE OF THE BIDS & AWARDS COMMITTEE

SUPPLEMENTAL/BID BULLETIN NO. 2

Reference No.: **PB# 23-10-0032**

Title: ***Procurement of Complete Set of Freshwater Distribution Overhead Tank With One Unit Distribution Pressure Tank***

Subject: Addendum

Breakdown of the Technical Specifications

I. WATER PURIFICATION FACILITY

QUANTITY: 1.00 set/assembly

A. DIRECT COST

A.1 MATERIALS

Purification facility of 1500 liters per hour capacity

- | | | |
|---|---|-----|
| ● Automatic Pump Controller with dry running protection | 1 | set |
| ● CHL 4-30 horizontal centrifugal pump ss 304 type, 220 V, 60 Hz single phase, 1.5 hp, 4 cbm per hour h = 36 m | 1 | set |
| ● AVF-60 Multi-media sand filter: 12" diameter x 52" FRP with automatic head valve with gravel and silica. Antracite sand media inside, inlet and outlet: 1 inch diameter, design flow rate 1460-2190 LPh | 1 | set |
| ● AVC-60 ACTIVATED CARBON FILTER, 12" dia x 52 " height FRP with Automatic Head Valve, gravel and carbon media inside with automatic self cleaning function inlet & outlet : 1 inches diameter design flowrate 1460-2190 LPH | 1 | set |
| ● AVS-60 WATER SOFTENER FILTER, 12" dia x 52 " height FRP with automatic digital Head Valve, resin and gravel media inside with automatic self cleaning function inlet & outlet : 1 inches diameter design flowrate 2900 LPH brine tank 100liters | 1 | set |
| ● Vertical Multistage Stainless Steel Pump 5.5hp 230v 3phase 60hz max flowrate : 35 gpm max head : 430ft speed : 3500 rpm features : fully enclosed air blast two pole motor protection class : IP 55 Insulation class:F | 1 | set |
| ● Permeate and Waste Flowmeter High and Low-Pressure Switch Relay Solenoid Valve Stainless Steel Bracket | 1 | lot |
| ● Stainless Steel Bracket for R.O Vessel | 1 | lot |
| ● DUAL R.O. FILTER MEMBRANE With Stainless Steel Casing and Cascade | 1 | lot |



- UV - Ultraviolet Filter 12gpm kills bacteria and coliforms, and ecoli. 1 pc

MATERIALS COST

A.2 LABOR COST

A.3 EQUIPMENT EXPENSES

TOTAL ESTIMATED DIRECT COST (A.1 + A.2 + A.3)

B. INDIRECT COST

B.1 OCM 10%

B.2 CP 8%

TOTAL INDIRECT COST (B.1 + B.2)

B.3 VAT 5%

TOTAL COST ITEM - I

II. CONSTRUCTION OF OVERHEAD TANK PLATFORM

QUANTITY: 1.00 lot

A. DIRECT COST

A.1 MATERIALS

- 6m x 5m floor area for enclosure (housing for purifier and distribution pump) concrete enclosure with rib-type color roofing, louver, welded wire, steel trusses 1 lot

- 4 m height overhead platform with fence pole railing and access ladder accommodates 2 x 2000 liters tank 1 lot

MATERIALS COST

A.2 LABOR COST

A.3 EQUIPMENT EXPENSES

TOTAL ESTIMATED DIRECT COST (A.1 + A.2 + A.3)

B. INDIRECT COST

B.1 OCM 10%

B.2 CP 8%

TOTAL INDIRECT COST (B.1 + B.2)

B.3 VAT 5%

TOTAL COST ITEM - II

III. STORAGE TANKS

QUANTITY: 1.00 lot

A. DIRECT COST

A.1 MATERIALS

- PE tank, 2000 liters vertical with UV protection 2 pcs
- Stainless tank, 2000 liters vertical 2 pcs
- Stainless tank, 1000 liters vertical 1 pcs

MATERIALS COST

A.2 LABOR COST

A.3 EQUIPMENT EXPENSES

TOTAL ESTIMATED DIRECT COST (A.1 + A.2 + A.3)

B. INDIRECT COST

B.1 OCM 10%

B.2 CP 8%

TOTAL INDIRECT COST (B.1 + B.2)

B.3 VAT 5%

TOTAL COST ITEM - III



IV. PIPING NETWORK FOR DISTRIBUTION AND DRAIN

QUANTITY: 1.00 lot

A. DIRECT COST

A.1 MATERIALS

- Trenching and filling 1 lot
- Pipes and fittings, 2" dia, 1.25" dia, 1" dia, 3/4" dia, 1/2" dia PVC connects the source to all drinking fountains and food lab potable supply 1 lot

MATERIALS COST

A.2 LABOR COST

A.3 EQUIPMENT EXPENSES

TOTAL ESTIMATED DIRECT COST (A.1 + A.2 + A.3)

B. INDIRECT COST

B.1 OCM 10%

B.2 CP 8%

TOTAL INDIRECT COST (B.1 + B.2)

B.3 VAT 5%

TOTAL COST ITEM - IV

V. PRESSURE TANK FOR DISTRIBUTION

QUANTITY: 1.00 lot

A. DIRECT COST

A.1 MATERIALS

Constant Pressure Distribution System 13 cu m per hour capacity

- Horizontal Stainless Steel Centrifugal Pump horizontal pump,ss304 type, 60HZ, 220v, three-phase, 4hp, 13m3h@50m 2 set

- IEC-Standard VFD CPS DUPLEX PUMP CONTROLLER Rated: 5 Hp , 230V, 3phase , 60hz Lead Pump and main pump operation Complete with variable frequency drives controller, pressure transducer, circuit breaker, pilot light indicator Off/On Selector Switch, dry running relay protection Pre-Wired in a Nema Enclosure 1 set

- Diaphragm Bladder Pressure Tank. Tank Volume 26Gals (100 Liters) Membrane: EPDM Butyl With Legs, and Pressure gauge Maximum Pressure 10 Bar. Complete with pipes and fittings to assemble as one constant pressure system. 1 set

MATERIALS COST

A.2 LABOR COST

A.3 EQUIPMENT EXPENSES

TOTAL ESTIMATED DIRECT COST (A.1 + A.2 + A.3)

B. INDIRECT COST

B.1 OCM 10%

B.2 CP 8%

TOTAL INDIRECT COST (B.1 + B.2)

B.3 VAT 5%

TOTAL COST ITEM - V



VI. DRINKING FOUNTAIN

QUANTITY: 15 cooling fountains

A. DIRECT COST

A.1 MATERIALS

Drinking Fountain

- Heavy duty water cooling system (6L), 4 stage purification with UV-LED water disinfection, gooseneck glass filler, foot pedal dispensing, durable and hygienic stainless steel casing. 220 V, 60 Hz single-phase motor 15 set

MATERIALS COST

A.2 LABOR COST

A.3 EQUIPMENT EXPENSES

TOTAL ESTIMATED DIRECT COST (A.1 + A.2 + A.3)

B. INDIRECT COST

B.1 OCM 10%

B.2 CP 8%

TOTAL INDIRECT COST (B.1 + B.2)

B.3 VAT 5%

TOTAL COST ITEM - VI

VII. ELECTRICAL WORKS

QUANTITY: 1.00 lot

A. DIRECT COST

A.1 MATERIALS

- Wire awg 6 and 60 AT Main for electrical supply, control panel connection, float switch, awg 10 and 30 A breaker for each fountain, switches, outlets 1 lot

MATERIALS COST

A.2 LABOR COST

A.3 EQUIPMENT EXPENSES

TOTAL ESTIMATED DIRECT COST (A.1 + A.2 + A.3)

B. INDIRECT COST

B.1 OCM 10%

B.2 CP 8%

TOTAL INDIRECT COST (B.1 + B.2)

B.3 VAT 5%

TOTAL COST ITEM - VII

VIII. WATER POTABILITY TEST

QUANTITY: 1.00 lot

A. DIRECT COST

A.1 MATERIALS

- Laboratory testing - essential parameters for drinkable water 1 lot

MATERIALS COST

A.2 LABOR COST

A.3 EQUIPMENT EXPENSES

TOTAL ESTIMATED DIRECT COST (A.1 + A.2 + A.3)

B. INDIRECT COST

B.1 OCM 10%

B.2 CP 8%



TOTAL INDIRECT COST (B.1 + B.2)
B.3 VAT 5%
TOTAL COST ITEM - VIII

IX. OCCUPATIONAL SAFETY AND HEALTH

QUANTITY: 1.00 lot

A. DIRECT COST

A.1 MATERIALS

- Safety Shoes, Vests, Hard Hats 1 lot

MATERIALS COST

A.2 LABOR COST

A.3 EQUIPMENT EXPENSES

TOTAL ESTIMATED DIRECT COST (A.1 + A.2 + A.3)

B. INDIRECT COST

B.1 OCM 10%

B.2 CP 8%

TOTAL INDIRECT COST (B.1 + B.2)

B.3 VAT 5%

TOTAL COST ITEM - IX

- **Conduct on-site training of personnel.**

For your guidance and information.

MR. JONAS ROBERT L. MIRANDA
BAC Chairperson

Received by the Bidder: _____