



OFFICE OF THE BIDS & AWARDS COMMITTEE

SUPPLEMENTAL/BID BULLETIN NO. 2

Reference No.: **PB# 23-10-0031**

Title: ***Procurement of Complete Set of Vertical Mudcrab Fattening Equipment/Installation***

Subject: Addendum

Breakdown of the Technical Specifications

I. OPERATIONAL SET-UP

QUANTITY: 1.00 set/assembly

A. DIRECT COST

A.1 MATERIALS

One complete set of vertical mudcrab fattening equipment installation for 840 mudcrabs

- Crab Box with door, LARGE NEW DESIGN
- Sticker for crab boxes
- Pipes, PVC, 32 mm dia. White
- Pipes, PVC, 50 mm dia.
- PVC PIPE (75mm)
- PVC PIPE 5"
- PVC male-female CONNECTOR 75MM
- PVC CONNECTOR (MALE/FEMALE) 50mm
- T-Connector, 32 mm. X 32 mm. dia
- T-Connector, 50 mm. X 32 mm. dia
- T-Connector, 50 mm. X 50 mm. dia
- Elbow 5"
- Cut Out PIPE 5"
- Elbow 4"
- ELBOW (75mm)
- Elbow 32mm
- Elbow, 90 degree, 50 mm. dia
- Elbow, reducer, 90 degrees, 50 mm X 32 mm. dia
- Connector, Union/ Flexible (Patente) , 32
- End Cap / Pipe Cover , 32 mm. dia
- Ball Valve, 50 mm. dia
- Ball Valve, 32 mm. dia
- Foot Balve
- Coupling (straight connector), 32 mm. dia
- Bioballs White (1 sack = 25 kilo)
- Water Cotton / Screen Filter
- Bio Brush
- Protein Skimmer (K1500)



- Fitting for Protein Skimmer
 - Hose for Protein Skimmer
 - Drum (Overhead Tank)
 - Top Cover
 - Main Water Pump- Surface Area Pool Pump, 1HP
 - Union Patente Main Pump
 - Fitting for a Water Pump for biofilter
 - Surface Area Pool Pump, Protein, Skimmer, 1/2 HP
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- Air Pump (For Bio Balls) 220V, 100 W (27.1cm X 20.2cm X 22.2cm)
 - Air Pump (Small)
 - Air Pump Hose
 - Hose Clamp
 - Nylon Mechanical Filter / Strainer with Net
 - UV Light (9W, 220V, Lamp Length, 23cm, Plug type EU) Suitable for Fish Tanks within 100cm
 - Sirtone Bubble Disk/ Hose Aeration
 - Venturi
 - Electrical Automation (Optional)
 - Electrical Automation Board
 - Wire Strip
 - Silicon
 - PVC Glue/Solvent
 - Surface Area Pool Pump for Bio Filters, 1/2HP
 - Electrical Wiring of RAS Set-up
 - Submersible Water Pump 3/4 HP
 - Hose for submersible water pump
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- Electrical wire awg 8 for water pump, circuit breaker, switches and outlets, conduit

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. TOOLS AND EQUIPMENT/TEST KITS

QUANTITY: 1.00 lot

A. DIRECT COST

A.1 MATERIALS

- Rubber Boots
- Rubber Mallet Hammer
- Crates
- Small Weighing Scale
- Table Knife (for quality checking)



- Crab Thong
- Scissors
- Ammonia Tester Kit
- Nitrate Test Kit
- Nitrite Test Kit
- Colored Duck Tapes
- Blade Cutter
- Tactical Headlight Lamp
- Salinity Refractometer
- Water Ph Tester
- Cleaning Brush
- 3M Comfort Grip Gloves
- Strainer
- Marker

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. FOOD AND WATER EQUIPMENT

QUANTITY: 1.00 lot

A. DIRECT COST

A.1 MATERIALS

- Vimekat Plus (Vitamins for weight gain)
- Vime - C (vitamin C) (1kg)
- Aqua Digest (Symbiotics, vitamins & minerals)(1Liter)
- Biotech - Yucca (pond treatment) (1kg)
- Vime Bitech (Pro-biotics & enzymes)(1kg)
- NB - 25 (1kg)
- Aquamin (Calcium Magnesium)(1kg)
- Aqua Chelated Minerals (1kg)
- Vimekon (disinfectant) (1kg)
- Bacteria Liquid (1Liter)

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. INSTALLATION

QUANTITY: 1.00 lot

A. DIRECT COST

A.1 MATERIALS

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. SHIPPING

QUANTITY: 1.00 lot

A. DIRECT COST

A.1 MATERIALS

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. CONSTRUCTION AND PAINTING OF CONCRETE FILTRATION TANKS AND CONCRETE BASE FOR CRAB BOXES AND FRAME FOR OVERHEAD TANK

QUANTITY: 1.00 lot

A. DIRECT COST

A.1 MATERIALS

- Concrete filtration tanks and concrete base for crab boxes

- Frame/platform for overhead tank

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. OCCUPATIONAL SAFETY AND HEALTH

QUANTITY: 1.00 lot

A. DIRECT COST



Republic of the Philippines
SURIGAO DEL NORTE STATE UNIVERSITY
Narciso Street, Surigao City 8400, Philippines



A.1 MATERIALS

- Safety Shoes, Vests, Hard Hats,

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

➤ **Conduct an on-site training of personnel. A certified mud-crab fattening equipment trainer is required.**

For your guidance and information.

MR. JONAS ROBERT L. MIRANDA
BAC Chairperson

Received by the Bidder: _____