

TERMS OF REFERENCE AND CONDITIONS

Project/Title	SUPPLY, DELIVERY AND INSTALLATION OF DAIRY PROCESSING EQUIPMENT (PCC at VSU) 1 LOT
Approved Budget for the Contract	Two Million Pesos (PhP 2,000,000)
Fund Source	CCDP Fund
Place/Site of delivery	Biliran, Biliran
Project Focal Person and Contact Information	FRANCISCO G. GABUNADA, JR. <i>Center Director, PCC at VSU</i> Cel No. 0908 895 2472
Delivery Period/Terms	120 calendar days upon receipt of Notice to Proceed
Payment	Choose one [] Progress payment for each delivery of the goods and services covered by the contract [X] Upon completion of delivery, installation and final acceptance of the end-user
Definition of Similar Contract	Similar contract refers to supply, delivery and installation of various dairy processing equipment/food processing equipment

Suppliers are preferably tested to have provided satisfactory service to the procuring agency to ensure compliance with delivery schedule as well as provide timely technical assistance during the initial operation and for maintenance purposes.

Item No.	Qty	Unit	Equipment	Unit Cost	Total Cost
1	1	unit	150L Batch Pasteurizer	350,000	350,000
2	1	unit	Hot Water Boiler	150,000	150,000
3	1	unit	Hot Water Boiler Burner (Diesel)	105,000	105,000
4	1	unit	Hot Water Circulating Pump	30,000	30,000
5	1	unit	Stainless Y Strainer	15,000	15,000
6	1	unit	Milk Pump	55,000	55,000
7	1	unit	Plate Heat Exchanger	65,000	65,000
8	1	unit	Raw Water Pump	15,000	15,000
9	1	unit	Cooling Tower	95,000	95,000
10	1	unit	Cooling Tank	350,000	350,000
11	1	unit	FRP Insulated Water Tank	125,000	125,000
12	1	unit	Chilled Water Circulating Pump	25,000	25,000
13	1	unit	Industrial Water Chiller	160,000	160,000
14	1	unit	Form Fill Seal	285,000	285,000
15	1	lot	Electrical Wires and Controls	45,000	45,000
16	1	lot	Pipes, Valves, Fittings	60,000	60,000
17	1	lot	Delivery and Installation	70,000	70,000

			TOTAL		Php 2,000,000
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Note: The project will be awarded by lot. Bidders are required to indicate the unit price of equipment in the proposal/bid form

TECHNICAL SPECIFICATIONS

Item No.	Qty	Unit	Equipment/Description
1	1	unit	BATCH PASTEURIZER
			✓ 150 liters capacity, 3 walled, 304 stainless steel (inner tank only)
			Inside thickness: 2.5mm, middle tank: 2.5mm, outside cladding 1.5mm with P.U insulation
			✓ 25 mm service inlet/outlet for hot water/cooling water
			mixing motor 0.37kW, 220V, 60Hz, 1P geared motor, slow agitator
			✓ Temperature indicator 0-120 °C
			✓ 1.5" sanitary butterfly valve product outlet
			✓ For pasteurizing milk
			✓ Removable cover
			✓ Motor control
2	1	unit	✓ Tank must have a maximum height of 1.5m or must eliminate the use of ladder during raw milk loading
			HOT WATER BOILER
			✓ Water Capacity: 80L Size: 570*560*1110mm
			✓ Reference Heating Area: 250 sq.m
			✓ Rated Output Power: 0.047 MV/h
			✓ Temperature indicator 0-85°C
3	1	unit	✓ Total Output Heat: 40,000 Kcal/h NW: 165 kg
			✓ Chimney Dia: DN100 Water Holes Dia: DN32
			HOT WATER BOILER BURNER (DIESEL)
			✓ Fuel: All kinds of waste oil, diesel oil
			✓ Oil Consumption: 3-5L/hr 0.75kWW, 60Hz
			✓ Rated Output Power: 30-60 Kw Total Output Heat: 50,000 kCal
			✓ Motor Power: 180W Voltage: 220V
			✓ Working Pressure: 0.5-1.5 Bar
			✓ Fuel Tank Capacity: 100 liters Heating Power: 600w
			✓ Diesel Level Gauge Gas Exhaust Hole Back Oil Hole
4	1	unit	✓ Compressor: 40L/Min Displacement Power: 550W PSI: 7mpa
			✓ Electronic Ignition must be installed for burner. Switch must be installed accessible to the plant operator inside the processing area.
			✓ Must be installed outside the processing area and with ample space of 0.6-1.0 meters surrounding the boiler unit for safety and ease of maintenance.
			HOT WATER CIRCULATING PUMP
			✓ Working Temperature: 0-110 deg C
5	1	unit	✓ Outer Power: 370W Voltage: 220 V
			✓ Total head: 10m Flow: 10.5 cbm/h
			✓ Water Circulation Area: <300sq.m
			Material: Copper Core Motor, Stainless steel wet rotor, cast iron pump head, electric spray paint pump body, sealless component
			STAINLESS Y STRAINER
			✓ Material: AISI304, Stainless Steel
			✓ Size: 38mm EDPM gaskets

			✓ Mesh 80
			✓ Connection: tri-clamp or SMS connections
6	1	unit	MILK PUMP
			✓ 1 HP, 220V, 1P
			✓ SS 304 construction
			✓ Simple structure, easy cleaning and tear down
			✓ With Phasing Converter Built-In Device from Single Phase to 3-Phase Output w/ variable frequency suitable for 2Hp Pump.
			✓ Highly sealed, low noise, light weight, self lubrication
7	1	unit	PLATE HEAT EXCHANGER
			✓ 500 liters per hour
			✓ Stainless steel 316, 0.6mm plate
			✓ 25mm service line outlet/inlet
			✓ Nitrile rubber gasket
8	1	unit	RAW WATER PUMP
			✓ 1 HP, 220V, 1P (Cast Iron Pump)
9	1	unit	COOLING TOWER
			For pre-cooling hot milk packed in pouches before final cooling in chilled water
			✓ Water pump for water circulation in cooling water
			✓ Waterflow rate : 32 GPM
			✓ Height of cooling tower : 56 7/8"
			✓ Diameter of cooling water : 46"
			✓ Fan motor : 1/4 hp, 220/1 phase, 60 Hz
			✓ Filling : PVC cross corrugated fillers (loose rolls)
			✓ Casing: FRP (Fiberglass reinforced polyester)
			✓ Metal parts : Hot dip galvanized
			✓ Motor Control on SS Panel 220V, 60Hz, 1P
10	1	unit	COOLING TANK
			✓ 150 liters capacity, 3 walled, 304 stainless steel (inner tank only)
			Inside thickness: 2.5mm, middle tank: 2.5mm, outside cladding 1.5mm with P.U insulation
			✓ 25mm service inlet/outlet for hot water/cooling water
			✓ 0.37kW, 220V, 60Hz, 1P geared motor, slow agitator
			✓ Temperature indicator 0-120 °C
			✓ 1.5" sanitary butterfly valve product
			✓ For keeping pasteurized milk and filling at the same time
			✓ Removable cover
			✓ Motor control
11	1	unit	FRP INSULATED WATER TANK
			✓ 1000 Liters Capacity Dimensions: 1x1x1 meters (Square)
			✓ Insulation: 2" Polyurethane
			✓ Set of insulated, 1" PPR piping from IBU to PHE/Holding Tank

			✓ Skid base: 100mm C-channel
12	1	unit	CHILLED WATER CIRCULATING PUMP ✓ Rated power: 370 kW, 220V, 1P ✓ 7500L/Hr Capacity
13	1	unit	INDUSTRIAL WATER CHILLER ✓ 3 HP, 220V, 60Hz, 1P Condensing Unit, 2250W ✓ Motor control
14	1	unit	FORM FILL SEAL ✓ Production capacity: 2,000-5,000 bags per hour ✓ Packaging volume: 50-500 ml/bag (stepless adjustment) ✓ Precision filling: +-1.5% ✓ Width of film: 320 mm ✓ Power motor .75kw- vertical sealing 0.3kw, transverse ✓ Ultraviolet sterilize lamp 15w ✓ Voltage - 220V 50Hz ✓ No weight required ✓ Oversize - (L x W x H)970x870x1970 cm (with free 40 KL ✓ Transparent/food grade packaging
15	1	lot	ELECTRICAL WIRES AND CONTROLS ✓ Appropriate cable trays must be used for easy inspection. ✓ all cables, breakers and other devices must conform to the Electrical Code of the Philippines. ✓ Electrical Main Panel must be composed of main switch, and individual circuit breakers for all motors, lighting, outlets fans. Provide 2 available slots, for future additional load. Must be collected accessible to the plant operator ✓ Install proper Hanger-Type Steel Cable Ladder going to each electric motor.
16	1	lot	PIPES, VALVES, FITTINGS ✓ Stainless materials must be installed including gate valves and necessary fittings.
17	1	lot	DELIVERY AND INSTALLATION

DOCUMENTATION COMPONENTS

The supplier/contractor shall warrant that they will provide all the necessary documents/manual in English Language relative to the equipment as follows:

- Owner/User Manual
- Operations Manual
- Maintenance Manual
- Spare parts list

TRAINING

Training for the use of equipment shall be administered upon delivery and installation including testing and commissioning of the equipment.

WARRANTY COMPONENTS

All products/equipment have passed through Quality Control and is guaranteed to be free from defects upon delivery. The supplier/contractor shall provide warranty for the equipment covering parts (excluding the consumable parts) and technical services on the equipment and its accessories for a period of one (1) year from the date of delivery and acceptance (evidence by a Certificate of Final Acceptance issued by the PCC/end-user). During the warranty period, the supplier/contractor shall replace any defective parts of materials and or provide regular check-up, consultation and as needed, maintenance services for the equipment at no cost to PCC.

AFTER SALES SERVICE

Regardless of whether or not a maintenance agreement is entered into by the concerned parties after the expiration of the warranty period, the supplier should guarantee the availability of spare parts and components of the aforementioned equipment at least within the period of five (5) years from the date of acceptance of the equipment.

Prepared by:



LETUZ M. SUDARIA

CBED Coordinator, PCC at VSU

Endorsed by:



FRANCISCO G. GABUNADA, JR.

Center Director, PCC at VSU

Approved by:



DR. CARO B. SALCES

OIC-Executive Director, PCC



Department of Agriculture
PHILIPPINE CARABAO CENTER
CERTIFIED: ISO 9001 | ISO 14001 | ISO 45001

INVITATION TO BID

ITB/Identification No. PB 2023-157

(CBIN/PCC-VSU) SUPPLY, DELIVERY AND INSTALLATION OF DAIRY PROCESSING EQUIPMENT Biliran, Biliran

1. The **PHILIPPINE CARABAO CENTER**, through the **CCDP Fund** intends to apply the sum of **Two Million Pesos (P 2,000,000.00)** being the ABC to payments under the contract for **(CBIN/PCC-VSU) SUPPLY, DELIVERY AND INSTALLATION OF DAIRY PROCESSING EQUIPMENT Biliran, Biliran** under **ITB/Identification No. PB 2023-157**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The **PHILIPPINE CARABAO CENTER** now invites bids for the above Procurement Project. Completion of delivery/Works/Services is required within **120 days** as specified in the Schedule of Requirements. Bidders should have completed, within **five (5) years** from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.

4. Prospective Bidders may obtain further information from **PHILIPPINE CARABAO CENTER** and inspect the Bidding Documents at the address given below during Monday to Friday (8am-5pm) except weekends and holidays.
5. A complete set of Bidding Documents may be acquired by interested Bidders on **October 9-November 6, 2023** from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Three Thousand Five Hundred Pesos (P 3,000.00) non-refundable**. The Procuring Entity shall allow the bidder to present its proof of payment for the fees presented in person, by facsimile, or through electronic means not later than the submission of their bids.

We encourage bidders to download the bidding documents through PhilGEPS or the PCC Website and pay through bank. Please coordinate with the BAC Secretariat Office through the email address and contact number given below for the bank detail procedures.

6. The **PHILIPPINE CARABAO CENTER** will hold a Pre-Bid Conference (via Zoom for bidders) on **October 18, 2023 (10am)** at **EUSEBIO HALL, PHILIPPINE CARABAO CENTER**, National Headquarter and Gene Pool, Science City of Muñoz, Nueva Ecija through web conference platform via Zoom.

A Personal Meeting ID will be sent through email for each participant at least one day before the event. Prospective bidders need to signify their intention to participate by sending an email to noemi.balais@pcc.gov.ph

7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before **November 6, 2023 (9am)**. Late bids shall not be accepted.
8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
9. Bid opening shall be on **November 6, 2023 (10am)** at the given address below through web conference platform via Zoom (face to face for the BAC).

A Personal Meeting ID will be sent to participants through email who submitted bid proposals.

10. The **PHILIPPINE CARABAO CENTER** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
11. The **PHILIPPINE CARABAO CENTER** Bids and Awards Committee (BAC) will use a non-discretionary and non-discriminatory measure based on sheer luck or chance, which is "draw lots", in the event that two or more bidders have been post-qualified and determined as the bidder having the Lowest Calculated Responsive Bid (LCRB) to determine the final LCRB (In alphabetical order, the bidders shall pick one rolled paper. The lucky bidder who would pick the paper with "Congratulations" remark shall be declared as the final bidder having LCRB and recommended for award of the contract.)

12. Please refer to the following schedule of activities:

Activity	Date	Remarks
Availability of Bidding documents	October 9- November 6, 2023	Downloadable through PhilGEPS, PCC Website and can be requested through email (noemi.balais@pcc.gov.ph)
Payment of Bidding Documents (before submission of bid proposals)	October 9- November 6, 2023	<p>Prospective Bidders may pay the bidding documents through bank deposit to:</p> <p>Bank Name/Branch: Land Bank of the Philippines-CLSU Bank Account No. 2962-1020-37 Account Name: PHILIPPINE CARABAO CENTER LBP Branch where the deposit was made:</p> <p>If bidders opted to pay cash, request Statement of Account (SOA) first from PCC Accounting Office before proceeding to the PCC Cashier's Office</p> <p>Prospective Bidders must email the scanned copy of deposit slip to BAC Secretariat Office with the following details:</p> <ul style="list-style-type: none"> ▪ Project Title ▪ Company Name with Contact Information <p>BAC Secretariat Office: noemi.balais@pcc.gov.ph</p> <p>PCC Cashier's Office will issue Official Receipt after the validation/confirmation of the bank deposit.</p>
Pre-bid Conference (Online for bidders)	October 18, 2023 (10am)	A Personal Meeting ID will be sent through email for each participant at least one day before the event. Prospective bidders need to signify their intention to participate by sending an email to noemi.balais@pcc.gov.ph
Deadline for the submission of bids	November 6, 2023 (9am)	<p>Late bids shall not be accepted.</p> <p>Through personal delivery or through courier at the PCC BAC Secretariat Office</p> <p>Bidders must ensure that the Bid Proposals are properly delivered and received by the BAC Secretariat Office on or before the deadline of submission.</p>
Bid Opening (Online for bidders)	November 6, 2023 (10am)	A Personal Meeting ID will be sent to participants through email who submitted bid proposals on time.

12. The PHILIPPINE CARABAO CENTER (PCC) does not condone any forms of solicitation on any prospective winning and losing bidders by any of our staff/employees or any other party. Any sort of this kind shall be reported immediately to PCC (pccoed2021@gmail.com).

13. For further information, please refer to:

MS. NOEMI V. BALAIS

Head, BAC Secretariat Office
PHILIPPINE CARABAO CENTER
National Headquarters and Gene Pool
Science City of Munoz, Nueva Ecija
Email: noemi.balais@pcc.gov.ph
Contact No.: 0917 824 4374
Website: www.pcc.gov.ph

ERIC P. PALACPAC

Chairperson, Bids and Awards Committee
October 9, 2023