

TERMS OF REFERENCE AND CONDITIONS

Project/Title	SUPPLY, DELIVERY AND INSTALLATION OF DAIRY PROCESSING EQUIPMENT (PCC at USM) 1 LOT
Approved Budget for the Contract	One Million Seven Hundred Thousand Pesos (PhP1,700,000.00)
Fund Source	CCDP Fund
Place/Site of delivery	TUPI, SOUTH COTABATO
Project Focal Person and Contact Information	BENJAMIN JOHN C. BASILIO <i>Center Director, PCC at USM</i>
Delivery Period/Terms	120 calendar days upon receipt of Notice to Proceed
Payment	Choose one <input checked="" type="checkbox"/> Progress payment for each delivery of the goods and services covered by the contract <input type="checkbox"/> 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 Luzon-based and have been 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	PASTEURIZER TANK	425,000	425,000
2	1	unit	HOLDING TANK	425,000	425,000
3	1	unit	INDUSTRIAL WATER CHILLER	165,000	165,000
4	1	unit	INSULATED WATER TANK	105,000	105,000
5	1	unit	CHILLED WATER CIRCULATING PUMP	25,000	25,000
6	1	unit	PLATE HEAT EXCHANGER	65,000	65,000
7	2	units	RAW WATER PUMP	20,000	20,000
8	1	unit	MILK PUMP	45,000	45,000
9	1	unit	WATER BOILER	165,000	165,000
10	1	unit	OIL BURNER (DIESEL OR USED WASTE OIL)	95,000	95,000
11	1	unit	HOT WATER PUMP	20,000	20,000
12	1	lot	COOLING TOWER	85,000	85,000
			MAIN ELECTRIC CONTROL PANEL	30,000	30000
13	1	lot	DELIVERY AND INSTALLATION	30,000	30,000
			TOTAL		PhP1,700,000

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

QTY	ITEM	SPECIFICATIONS	UNIT PRICE	TOTAL
1 unit	Pasteurizer Tank	-200 liters capacity, 3 walled, 316 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 -mixing motor 0.37kw, 220v, 60Hz, IP geared motor, slow agitator -Temperature indicator 0-120 C -with 1.5" sanitary butterfly valve product outlet	425,000.00	425,000.00
1 unit	Holding Tank	-200 liter capacity, 3 walled, 316 stainless steel (inner tank); inside thickness, 2.5mm, middle tank, 2.5mm, outside cladding 1.5mm with P.U insulation; 25mm service inlet/outlet for hot/cooling water; 0.37kw, 220v, 60Hz, 1P geared motor, slow agitator; temperature indicator 0-120C; 1.5" sanitary butterfly valve product	425,000.00	425,000.00
1 unit	Industrial Water Chiller	-3HP, 220v, 60Hz, 1 Condensing Unit, 2250w; motor control	165,000.00	165,000.00
1 unit	Insulated Water Tank	-1000 liters capacity; dimension 1x1x1 meters (square); FRP insulated tank (2" insulations); set of insulated 1" PPR piping from IBU to PHE/Holding Tank Skid base: 100mm C-channel	105,000.00	105,000.00
1 unit	Chilled Water Circulating Pump	Rated power: 370 KW, 220v, 1P 7500L/Hr capacity	25,000.00	25,000.00
1 unit	Plate heat Exchanger	500 liters per hr capacity Stainless steel 316, 0.6mm plate 25mm service line outlet/inlet Nitrile rubber gasket	65,000.00	65,000.00
2 units	Raw Water Pump	1 HP, 220v, 1p9 Cast iron pump)	20,000.00	20,000.00
1 unit	Milk Pump	1HP, 220v, 1P Ss 304 construction Simple structure, easy cleaning, and tear down Highly sealed, low noise, lightweight, self-lubrication	45,000.00	45,000.00
1 unit	Water Boiler	Reference heating area: 250 sq. m Rated output power: 0.047 MW/h Total output Heat: 40,000 Kcal; NW: 165kg Oil consumptions 3L/hr; voltage: 220V Chimney Dia: DN100; Water Holes DIA: DN32 Water Capacity:80L; Size: 570*560*1110mm	165,000.00	165,000.00
1 unit	Oil Burner (Diesel or Waster Oil)	Oil Consumption: 3-5L/hr 0.75kWW, 60Hz Rated Output Power: 30-60 Kw Total Output Heat: 50,000kCAI Fuel: All kinds of waste oil, diesel oil Nozzle: 1*1.0mm/ Motor power: 180W Working Pressure:0.5-1.5Bar/ Voltage: 220V Tube-Diameter:114mm, length:135mm Size(l*w*h): 510*445*300mm/ NW: 21kg Electronic Ignition must be installed. Switch must be installed accessible to the plant operator inside the processing area. Install steel fabricated Fuel tank of 150-200 liters capacity, with level gauge and necessary piping lines.	95,000.00	95,000.00

		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.		
1 unit	Hot Water Pump	Water Circulation Area:<300sq.m Outer Power:370W/ Voltage:220V Total Head:10m/ Flow:10.5cbm/h Working Temperature:0-110 degrees Celsius Material: copper core motor, Stainless steel wet rotor, cast iron pump head, electric spray paint pump body, seal less component.	20,000.00	20,000.00
1 lot	Cooling Tower	For pre-cooling hot milk packed in pouches before final cooling in chilled water Water pump for water circulation in cooling water Water flow rate: 32 GPM Height of cooling tower: 56 7/8" Diameter of cooling water: 46" Fan Motor: ¼ hp, 220/ 1 phase, 60Hz 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	85,000.00	85,000.00
1	Main Electric Control Panel	Material: Stainless (at least grade 304) Complete with SELECTOR SWITCH, Hot Water Pump, Automatic Alarm, Temperature Indicator and Control Panel	30,000.00	30,000.00
1 lot	Delivery and Installation	For Electrical, all cables, breakers and other devices must conform to the Electrical Code of the Philippines. Appropriate cable trays must be used for easy inspection. 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.	30,000.00	30,000.00

TOTAL 1,700,000.00

The whole set-up should be able to produce at least 6,000 to 6,300 packs of 200 grams pasteurized milk in 12 hours. The whole set-up should also have a Clean-In-Place (CIP) system.

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 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:


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Endorsed by:


BENJAMIN JOHN C. BASILIO
Center Director, PCC at USM

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 2023-163

(CBIN/PCC-USM) SUPPLY, DELIVERY AND INSTALLATION OF DAIRY PROCESSING EQUIPMENT Tupi, South Cotabato

1. The **PHILIPPINE CARABAO CENTER**, through the **CCDP Fund** intends to apply the sum of **One Million Seven Hundred Thousand Pesos (P 1,700,000.00)** being the ABC to payments under the contract for **(CBIN/PCC- USM) SUPPLY, DELIVERY AND INSTALLATION OF DAIRY PROCESSING EQUIPMENT Tupi, South Cotabato** under **ITB/Identification No. PB 2023-163**. 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