



BIDS AND AWARDS COMMITTEE

SUPPLEMENTAL BID BULLETIN NO. 1

**SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES OF VIRGIN COCONUT OIL PROCESSING CENTER
 (PHilMech-Goods-23-07-14)**

This **Supplemental/Bid Bulletin No. 1** is being issued to clarify, amend and supplement provisions in the Bidding Documents.

A. ISSUES AND CONCERNS DURING THE PRE-BID CONFERENCE

| | | |
|---|---|--|
| <p>1. <i>Issue / Proposal: Request for a 150 calendar day delivery period since there is a 3rd party entity involved in the project.</i></p> <p>Action Taken/Reply: Request/proposal is partially granted. Delivery period is amended to 120 calendar days.</p> | | |
| | From | To |
| <p>Invitation to Bid</p> | <p>2. The PHilMech now invites bids from eligible bidders for the SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES ON-SITE OF VIRGIN COCONUT OIL PROCESSING CENTER. Delivery of the GOODS is required within Ninety (90) calendar days from receipt of the Notice to Proceed. Bidders should have completed within ten (10) years from the date of submission and receipt of bids a contract similar to the project. For this purpose, a similar contract shall refer to any contract for the Supply or Fabrication of Dryers or other Agricultural machinery and equipment.</p> | <p>2. The PHilMech now invites bids from eligible bidders for the SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES ON-SITE OF VIRGIN COCONUT OIL PROCESSING CENTER. Delivery of the GOODS is required within One Hundred Twenty (120) calendar days from receipt of the Notice to Proceed. Bidders should have completed within ten (10) years from the date of submission and receipt of bids a contract similar to the project. For this purpose, a similar contract shall refer to any contract for the Supply or Fabrication of Dryers or other Agricultural machinery and equipment.</p> |

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| Schedule of Requirements | Item Number (LOT No.) | Delivered, Weeks/Months | Item Number (LOT No.) | Delivered, Weeks/Months |
|--|--|-------------------------|---|-------------------------|
| | 1 | 90CD | 1 | 120CD |
| | 2 | 90CD | 2 | 120CD |
| 3. Issue / Proposal: Inquiry if there is no speed requirement for the water extractor. Action Taken/Reply: None. | | | | |
| 4. Issue / Proposal: Inquiry if the water extractor is connected with the cocowater tank. Action Taken/Reply: Yes | | | | |
| 5. Issue / Proposal: Inquiry if the holding tanks are connected with each other. Action Taken/Reply: Yes | | | | |
| 6. Issue / Proposal: Inquiry whether the coconut deshelling machine is single phase or 3-phase Action Taken/Reply: The coconut deshelling machine is single phase | | | | |
| 7. Issue / Proposal: Request for clarifications on the capacity requirement for the deshelling machine since if the operator is inexperienced; the 350 nuts/hr minimum capacity will not be attained. Action Taken/Reply: Capacity requirement is estimated per unit. Offered unit is acceptable provided that it complies with other technical specification. | | | | |
| | From | | To | |
| Technical specification | 4) 2 units Coconut Deshelling machine - Power supply: 2hp, 220V - Capacity: 350 nuts/hr minimum - Material: stainless steel 304 | | 4) 2 units Coconut Deshelling machine - Power supply: 2hp, 220V - Estimated Capacity: 350 nuts/hr minimum - Material: stainless steel 304 | |
| 8. Issue / Proposal: Suggestion on requiring the thickness of stainless steel material for the working table. Action Taken/Reply: Technical specification is amended. | | | | |
| | From | | To | |
| Technical specification | 5. Working Table -for paring -material: Stainless steel 304 -dimension (LxWxH): 1.5m x 1m x 0.8m | | 5. Working Table -for paring -material: Stainless steel 304 -dimension (LxWxH): 1.5m x 1m x 0.8m - Thickness: gauge 16 (1.5mm minimum) | |

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| | | |
|--|---|---|
| 9. <i>Issue / Proposal: Inquiry if the cylindrical holding tank needs to be vertical or horizontal.</i> | | |
| Action Taken/Reply: Vertical, space allotted based on floor plan is on vertical arrangement. | | |
| 10. <i>Issue / Proposal: Inquiry if they will just use the capacity requirement of the coconut meat washing bin since it has no dimension requirement.</i> | | |
| Action Taken/Reply: Yes | | |
| 11. <i>Issue / Proposal: Inquiry on the total capacity of the process line and for how many hours the required capacity is.</i> | | |
| Action Taken/Reply: The total capacity is 5,000 nuts per day, 8 hours per day. | | |
| 12. <i>Issue / Proposal: Request clarification on the quantity of the milk extractor because there are 2 units in the process flow layout but only 1 unit in the technical specifications.</i> | | |
| Action Taken/Reply: Only one (1) unit of milk extractor is required. Amended process flow layout is hereby attached as Annex A. | | |
| 13. <i>Issue / Proposal: Suggestion on requiring a 5 HP power supply for the Coconut Milk Centrifuge/Separator instead of 7.5 HP since it could still comply with the required 300 L/h minimum capacity.</i> | | |
| Action Taken/Reply: The coconut milk centrifuge's power supply requirement is 7.5hp. | | |
| | From | To |
| Technical Specification | 11) 2 units Coconut Milk Centrifuge/Separator - type: Disc - capacity: 300L/hr minimum - speed: 6000rpm - material: stainless steel - power supply: 7.5hp , 220volts, 3 phase | 11) 2 units Coconut Milk Centrifuge/Separator - type: Disc - capacity: 300L/hr minimum - speed: 6000rpm - material: stainless steel - power supply: 7.5hp , 220volts, 3 phase |
| 14. <i>Issue / Proposal: Suggestion on requiring a minimum of 2.2 KW for the tubular centrifuge to save electricity.</i> | | |
| Action Taken/Reply: Technical specification is retained. | | |
| 15. <i>Issue / Proposal: Request for the images of the components.</i> | | |
| Action Taken/Reply: Additional picture of fabricated component is hereby attached as Annex B while | | |

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others are included in the bidding documents.

16. Issue / Proposal: Inquiry if they can participate to only 1 lot.

Action Taken/Reply: **Yes.**

17. Issue / Proposal: Inquiry if the milk centrifuge should be in series?

Action Taken/Reply: **Yes.**

18. Issue / Proposal: Inquiry if they needed to comply with the 7.5hp power supply requirement of the centrifuge since hp requirement varies depending on the centrifuge model.

Action Taken/Reply: **The specification for the power supply of the coconut milk centrifuge and tubular centrifuge is 7.5hp.**

| | From | To |
|-------------------------|---|---|
| Technical Specification | 12) 2 units Coconut Milk Centrifuge/Separator - type: Disc - capacity: 300L/hr minimum - speed: 6000rpm - material: stainless steel - power supply: 7-5hp , 220volts, 3 phase | 13) 2 units Coconut Milk Centrifuge/Separator - type: Disc - capacity: 300L/hr minimum - speed: 6000rpm - material: stainless steel - power supply: 7.5hp , 220volts, 3 phase |
| | 14) 1 unit Tubular Centrifuge - Capacity- 100L/hr minimum - Speed: 12,000 rpm - Material: Stainless steel 304 - power supply: 7-5hp , 220volts, 3 phase | 14) 1 unit Tubular Centrifuge - Capacity- 100L/hr minimum - Speed: 12,000 rpm - Material: Stainless steel 304 - power supply: 7.5hp , 220volts, 3 phase |

19. Issue / Proposal: Suggestion on requiring 3hp power supply for the tubular centrifuge provided that it could meet the capacity requirement.

Action Taken/Reply: **Yes, as long as it complies with the required specifications**

20. Issue / Proposal: For Coconut meat grinding/grating machines, request clarification on what specific meat extracting modality to comply with because grating and grinding machines have a big price difference.

Action Taken/Reply: **The requirement is coconut meat grinding. Technical specification is amended.**

| | From | To |
|-------------------------|--|---|
| Technical Specification | 4) 2 units Coconut meat grinding/ grating machine | 4) 2 units Coconut meat grinding - Capacity- 350 kg/hr grated, |

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| | | |
|---|--|---|
| | <ul style="list-style-type: none"> - Capacity- 350 kg/hr grated, minimum - Power supply:2 hp, 220V, single phase | minimum Power supply:2 hp, 220V, single phase |
| <p>21. Issue / Proposal: Request for clarification if the vibrating screen's capacity is really smaller than the milk extractor.</p> <p>Action Taken/Reply: Yes.</p> | | |
| <p>22. Issue / Proposal: Inquiry if there is really no output recovery requirement.</p> <p>Action Taken/Reply: Yes, no output recovery requirement.</p> | | |
| <p>23. Issue / Proposal: Inquiry if the VCO really needs to be deodorized because the centrifuge could already eliminate the odor, but if the purpose is to decrease the moisture, deodorizer could be used. Based on the Philippine national standard, deodorizer is not needed.</p> <p>Action Taken/Reply: Yes. Technical specification is retained.</p> | | |
| <p>24. Issue / Proposal: Request on the deletion of "23KV" in the transformer's specification</p> <p>Action Taken/Reply: Request/proposal is granted. Technical specification is amended.</p> | | |
| | From | To |
| Technical Specification | 17) 3 units Transformer - Transformer, Pole type,50KVA, 23KV ,3Phase,Cu-Cu Winding | 17) 3 units Transformer - Transformer, Pole type,50KVA, single phase ,Cu-Cu Winding |
| <p>25. Issue / Proposal: Inquiry if the suppliers need to purchase the transformers to the local electric cooperative</p> <p>Action Taken/Reply: No specific supplier is required for the transformers.</p> | | |

Issued this 16th day of August 2023 in the Science City of Muñoz, Nueva Ecija, Philippines.

Reviewed and approved by:


NELSON C. SANTIAGO, Ph.D.
 Chairperson, Bids and Awards Committee

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Republic of the Philippines
 Department of Agriculture
Philippine Center for Postharvest Development and Mechanization
 Science City of Muñoz, Nueva Ecija
www.philmech.gov.ph
 ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 CERTIFIED




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ARLENE Z. JOAQUIN
 Vice Chairperson


JERRY F. AVELLANOZA
 Regular Member


DONALD V. MATEO
 Technical Member


ANDRES M. TUATES JR, Ph.D.
 End-User/Provisional Member

CONFORMED: _____
 Bidders Name: _____
 Date Received: _____

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PHIMech-AD-F-192 Rev 01 (07.20.23)

ANNEX A. PROCESS FLOW LAYOUT

SHARED PROCESSING FACILITY

PROJECT

VIRGIN COCONUT OIL PROCESSING CENTER

OWNER

SALUG FARMERS MULTI-PURPOSE COOPERATIVE

LOCATION

CANAWAN, SALUG, ZAMBOANGA DEL NORTE

PRODUCT

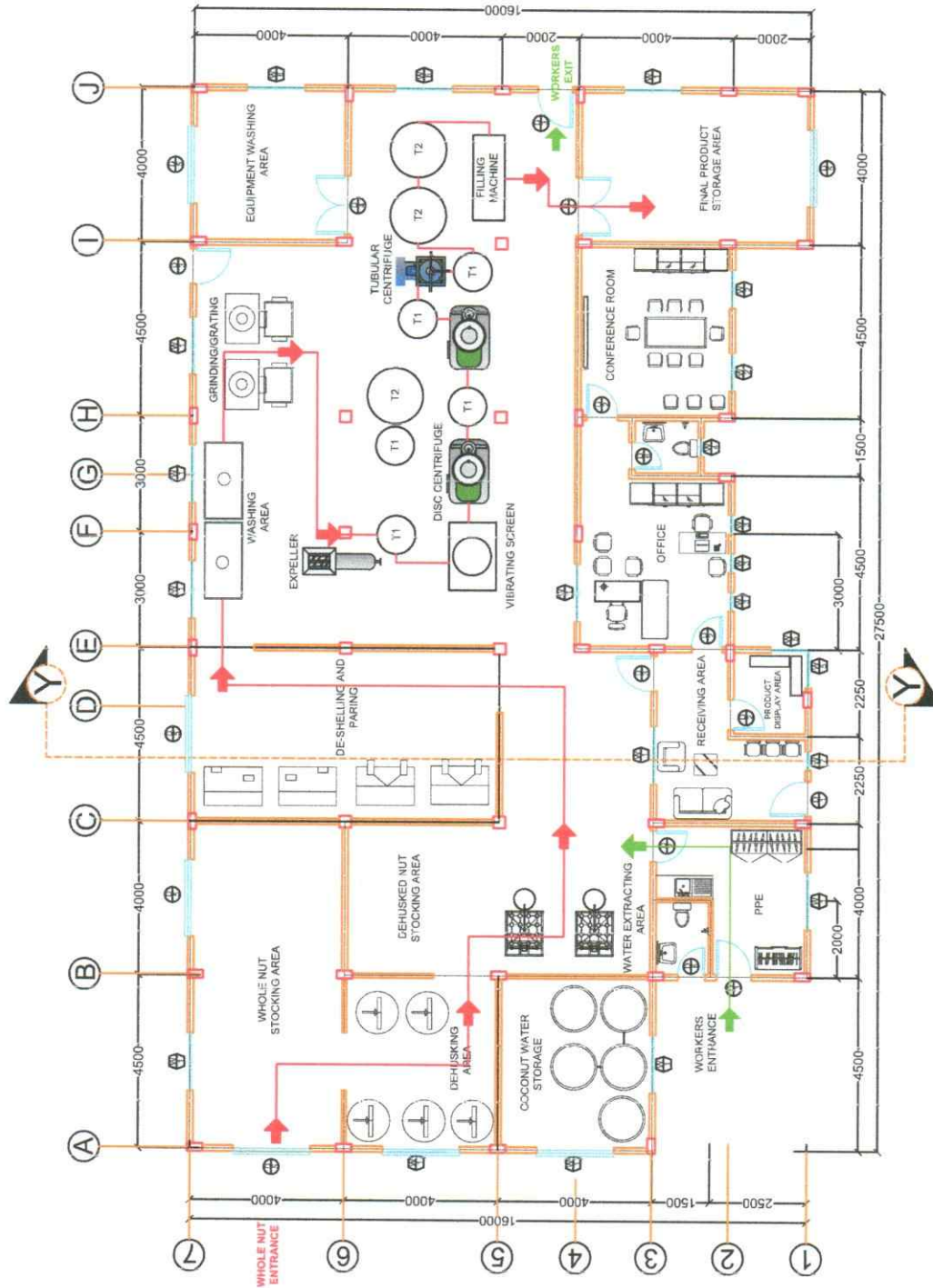
VCO

FLOOR AREA

399,8 m²

↑ PRODUCT FLOW

↑ WORKERS FLOW



1 PROCESS FLOW
Scale: 1:200

| | | | | | |
|--|--|--|---|-----------------------------------|---------------------|
| | Agency/Project Title: Department of Agriculture Philippine Center for Postharvest Development and Mechanization GLSU Compound, Science City of Muñoz, Nueva Ecija Tel: (044)456-0290 local 400 | Design/Reviewed by: _____ Date: _____ | Recommending Approval: _____ Date: _____ | Approved by: _____ Date: _____ | Sheet number: _____ |
| | | | | | SCALE: SIZE A3 |

ANNEX B. SAMPLE PICTURES OF THE FABRICATED COMPONENT



Coconut Meat Washing Bin

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