



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



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 FOR WHITE COPRA-COOKING OIL PROCESSING CENTER (PHilMech-Goods-23-07-12)

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: Inquiry if their two (2) contracts pertaining to rice mill and fabrication of trailer with an aggregate amount sufficient to meet the 50% of the ABC could be acceptable for the SLCC requirement.</i></p>		
<p>Action Taken/Reply: For this bidding project, at least 2 aggregate contracts for the SLCC is allowed. The largest of these similar contracts must be equivalent to at least 25% of the ABC. The aggregate amount must be equivalent to at least 50% of the ABC.</p>		
<p>2. <i>Issue / Proposal: Inquiry if the controls are individual or centralized and if the controls were included in the budget computation.</i></p>		
<p>Action Taken/Reply: All equipment has individual controls. The controls were included in the computation of the ABC.</p>		
<p>3. <i>Issue / Proposal: For the Flat bed dryer drying bin bed flooring. Request the perforated sheet floor diameter perforation be 9-10mm instead of 0.75mm.</i></p>		
<p>Action Taken/Reply: Request/proposal is granted. Technical specification is amended.</p>		
	BEFORE	AFTER
<i>Technical Specification</i>	<p><i>Drying Bin</i></p> <p>....</p> <ul style="list-style-type: none"> - Bed flooring: SS 304 perforated sheet floor having 0.75 mm diameter perforation; and 1.0 mm thickness - The perforated flooring must have 	<p><i>Drying Bin</i></p> <p>....</p> <ul style="list-style-type: none"> - Bed flooring: SS 304 perforated sheet floor having 9-10 mm diameter perforation; and 1.0 mm thickness - The perforated flooring must have

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	<p>a rigid support that could withstand the full load capacity of the Dryer</p> <ul style="list-style-type: none"> - With serviceable cleaning bottom port - The entire flatbed unit is securely bolted <p>....</p>	<p>a rigid support that could withstand the full load capacity of the Dryer</p> <ul style="list-style-type: none"> - With serviceable cleaning bottom port - The entire flatbed unit is securely bolted and air tight <p>....</p>
<p>4. <i>Issue / Proposal: Clarification on the material requirement of bagging bin; if it is stainless steel sheet or polyurethane.</i></p>		
<p>Action Taken/Reply: The material requirement for bagging bin is stainless steel sheet, the polyurethane is the material to be used for the caster wheels of the bagging bin</p>		
	BEFORE	AFTER
Technical Specification	<p>2 units Bagging Bin (similar to figure 3)</p> <p>....</p> <p>**with 4 heavy duty caster wheels, 8in diameter (2 swivel with dual locking and 2 swivel without locking)</p> <ul style="list-style-type: none"> - Material: Polyurethane <p>....</p>	<p>2 units Bagging Bin (similar to figure 3)</p> <p>....</p> <p>**with 4 heavy duty caster wheels, 8in diameter (2 swivel with dual locking and 2 swivel without locking)</p> <ul style="list-style-type: none"> - Material: Polyurethane <p>....</p>
<p>5. <i>Issue / Proposal: Request that the coconut oil tank pump requirement be 60Hz instead of 50Hz</i></p>		
<p>Action Taken/Reply: Request/proposal is granted. Technical specification is amended.</p>		
	BEFORE	AFTER
Technical Specification	<p>1) 2 units Coconut oil tank</p> <ul style="list-style-type: none"> - 1.6m height and 1m diameter Made of SS material - 1600L minimum - pump: 1hp, 220V, 3phase, 50Hz 	<p>1) 2 units Coconut oil tank</p> <ul style="list-style-type: none"> - 1.6m height and 1m diameter Made of SS material - 1600L minimum - pump: 1hp, 220V, 3phase, 60Hz
<p>6. <i>Issue / Proposal: Suggestion to include deodorizer in the specification of oil refining machine</i></p>		
<p>Action Taken/Reply: Request/proposal is granted. Technical specification is amended.</p>		

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	BEFORE	AFTER								
	<p>Oil refining machine capacity:1000kg per day minimum Tank diameter:700mm Size: 4500*1500*2500mm Total Power : 49.3kw Tank : 4 tanks Voltage : 220V 60hz 3P</p> <p>With the following accessories: 17.1 Frame oil filter -Capacity : 200-400kg /h -Power : 1.5kw -Frame filter : 8pcs -Size : 1000*800*1100mm -Weight : 200kg 17.2 Stream generator *for oil refining machine 17.3 Controller *for oil refining machine 17.4 Pipe *for tank connecting 17.5 Bleach earth *25 kg per bag</p>	<p>Oil refining machine capacity:1000kg per day minimum Tank diameter:700mm Size: 4500*1500*2500mm Total Power : 49.3kw Tank : 4 tanks Voltage : 220V 60hz 3P</p> <p>With the following accessories: 17.1 Frame oil filter -Capacity : 200-400kg /h -Power : 1.5kw -Frame filter : 8pcs -Size : 1000*800*1100mm -Weight : 200kg 17.2 Stream generator *for oil refining machine 17.3 Controller *for oil refining machine 17.4 Pipe *for tank connecting 17.5 Bleach earth *25 kg per bag</p> <p><u>Must conform with the following oil quality parameters:</u></p> <table border="1"> <thead> <tr> <th>Odor</th> <th>Odorless</th> </tr> </thead> <tbody> <tr> <td>Color</td> <td>Light yellow</td> </tr> <tr> <td>Moisture</td> <td>≤ 0.1%</td> </tr> <tr> <td>FFA as Lauric</td> <td>≤ 0.1%</td> </tr> </tbody> </table>	Odor	Odorless	Color	Light yellow	Moisture	≤ 0.1%	FFA as Lauric	≤ 0.1%
Odor	Odorless									
Color	Light yellow									
Moisture	≤ 0.1%									
FFA as Lauric	≤ 0.1%									
<p>7. Issue / Proposal: Suggestion to amend the requirement for the Automatic Filling Machine Filling range of 10 to 1000ml since the requirement is too broad.</p> <p>Action Taken/Reply: Technical specification is retained</p>										
<p>8. Issue / Proposal: Request for the inclusion of labeling and capping in the requirement.</p> <p>Action Taken/Reply: Capping and labeling will be done manually by the cooperative.</p>										

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<p>9. <i>Issue / Proposal: Request on the acceptance of other alternatives for the motor requirements (e.g. engine or other options).</i></p> <p>Action Taken/Reply: Other better alternative source of power is acceptable</p>		
<p>10. <i>Issue / Proposal: Clarification regarding the specification requirements for the transformer since the electrical requirement in the province is 480volts for 3phase line.</i></p> <p>Action Taken/Reply: Technical specification is amended</p>		
	BEFORE	AFTER
<i>Technical Specification</i>	<p>1) 3 units Transformer - Transformer, Pole type, 50KVA, 23KV, 3Phase, Cu-Cu Winding</p>	<p>2) 3 units Transformer -Transformer, Pole type, 50KVA, 3Phase, Cu-Cu Winding</p>
<p>11. <i>Issue / Proposal: Clarification as to whether there is a 3-phase post nearby the installation site and if it is clear to the beneficiaries that they are the one who will be providing the electrical lines</i></p> <p>Action Taken/Reply: During the validation of the potential recipients it was properly discussed that they will be providing the electric lines and before awarding the project, there was already an agreement pertaining to that.</p>		
<p>12. <i>Issue / Proposal: Inquiry if the supplier could provide generator set during commissioning in case there would be a delay in the processing of electrical requirements by the cooperatives counterpart</i></p> <p>Action Taken/Reply: Yes. The bidder is allowed to provide generator set for testing purposes</p>		
<p>13. <i>Issue / Proposal: Request that the payment terms be per system instead of 100%.</i></p> <p>Action Taken/Reply: Request /proposal is partially granted. Payment terms is amended</p>		
	BEFORE	AFTER
<i>Special Conditions of the Contract</i> <i>(GCC Clause 2.2)</i>	<p>The terms of payment shall be as follows: a) One Hundred percent (100%) of the Contract Price: upon One Hundred Percent (100%) completion of the project and submission of required documents.</p>	<p>The terms of payment shall be as follows: a) One Hundred percent (100%) of the Contract Price: upon One Hundred Percent (100%) completion of the project and submission of required documents.</p> <p><u>In case of unavailability of the building the following term applies:</u> b) Fifty percent (50%) of the</p>

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		<p><u>Contract Price: upon delivery of the complete components/equipment and initial inspection of the authorized representatives of PHilMech ; and</u></p> <p>c) <u>Remaining Fifty percent (50%) of the Contract Price: upon 100% completion of the project and final inspection and acceptance.</u></p>
<p>14. Issue / Proposal: Inquiry if they can request an extension if the building is not yet ready by the time of project implementation.</p> <p>Action Taken/Reply: Yes. Provided that the reason cited is valid</p>		

B. WRITTEN QUERIES/ COMMENTS/REQUEST

<p>1. Issue / Proposal: Divide the project into 7 lots, with one processing center per lot costing about P10M each. This is to encourage the participation of companies with limited capital (but with expertise); and which is accessible to the projects sites for better and long term technical support to the processing centers.</p>			
<p>Action Taken/Reply: Request/Proposal is granted. The project is aggregated into 7 lots.</p>			
<p><u>Amendment:</u></p>			
<p>INVITATION TO BID</p>			
<p>BEFORE:</p>			
LOT NO.	PROJECT TITLE	ABC (PhP)	COST OF BIDDING DOCUMENTS (PhP)
1	SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND	31,025,500.00	25,000.00

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	COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 3 SETS OF WHITE COPRA-COOKING OIL PROCESSING CENTER IN PAWA, BOAC, MARINDUQUE; SAN LORENZO, GUIMARAS; AND DARO, JARO, LEYTE		
2	SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 4 SETS OF WHITE COPRA-COOKING OIL PROCESSING CENTER IN CALUBE, SULTAN, NAGA DIMAPORO, LANA DEL NORTE; LIBUNGAN, NORTH COTABATO; KATIPUNAN, PANABO CITY, DAVAO DEL NORTE; AND POBLACION, PRES. ROXAS, NORTH COTABATO	41,384,000.00	25,000.00
	ALL LOTS	72,409,500.00	50,000.00

AFTER

LOT NO.	PROJECT TITLE	ABC (PhP)	COST OF BIDDING DOCUMENTS (PhP)
1	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER (WITH DEHUSKING TOOL) SAN LORENZO, GUIMARAS</u>	<u>10,358,500.00</u>	<u>10,000.00</u>
2	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER (WITH DEHUSKING TOOL) IN CALUBE, SULTAN, NAGA DIMAPORO, LANA DEL NORTE</u>	<u>10,358,500.00</u>	<u>10,000.00</u>

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3	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER (WITH DEHUSKING TOOL) IN LIBUNGAN, NORTH COTABATO</u>	<u>10,358,500.00</u>	<u>10,000.00</u>
4	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER IN DARO, JARO, LEYTE</u>	<u>10,333,500.00</u>	<u>10,000.00</u>
5	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER IN PAWA, BOAC, MARINDUQUE</u>	<u>10,333,500.00</u>	<u>10,000.00</u>
6	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER IN POBLACION, PRES. ROXAS, NORTH COTABATO</u>	<u>10,333,500.00</u>	<u>10,000.00</u>
7	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER IN KATIPUNAN, PANABO CITY, DAVAO DEL NORTE</u>	<u>10,333,500.00</u>	<u>10,000.00</u>
	ALL LOTS	72,409,500.00	50,000.00

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BID DATA SHEET

BEFORE

ITB CLAUSE			
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:		
LOT NO.	ABC	1. Bid Security in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit (2% of the ABC)	2. Bid Security in Surety Bond (5% of the ABC)
1	31,025,500.00	620,510.00	1,551,275.00
2	41,384,000.00	827,680.00	2,069,200.00
19.3	LOT NO.	PROJECT TITLE *	ABC (PhP)
	1	SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 3 SETS OF WHITE COPRA-COOKING OIL PROCESSING CENTER IN PAWA, BOAC, MARINDUQUE; SAN LORENZO, GUIMARAS; AND DAKU, JARO, LEYTE	31,025,500.00
	2	SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 4 SETS OF WHITE COPRA-COOKING OIL PROCESSING CENTER IN CALUBE, SULTAN, NAGA DIMAPORO, LANA DEL NORTE; LIBUNGAN, NORTH COTABATO; KATIPUNAN, PANABO CITY, DAVAO DEL NORTE; AND POBLACION, PRES. ROXAS, NORTH COTABATO	41,384,000.00

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AFTER

<i>ITB CLAUSE</i>			
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:		
LOT NO.	ABC	1. Bid Security in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit (2% of the ABC)	2. Bid Security in Surety Bond (5% of the ABC)
1	<u>10,358,500.00</u>	<u>207,170.00</u>	<u>517,925.00</u>
2	<u>10,358,500.00</u>	<u>207,170.00</u>	<u>517,925.00</u>
3	<u>10,358,500.00</u>	<u>207,170.00</u>	<u>517,925.00</u>
4	<u>10,333,500.00</u>	<u>206,670.00</u>	<u>516,675.00</u>
5	<u>10,333,500.00</u>	<u>206,670.00</u>	<u>516,675.00</u>
6	<u>10,333,500.00</u>	<u>206,670.00</u>	<u>516,675.00</u>
7	<u>10,333,500.00</u>	<u>206,670.00</u>	<u>516,675.00</u>
19.3	LOT NO.	PROJECT TITLE *	ABC (PhP)
1	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER (WITH DEHUSKING TOOL) SAN LORENZO, GUIMARAS</u>		<u>10,358,500.00</u>
2	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER (WITH DEHUSKING TOOL) IN CALUBE, SULTAN, NAGA DIMAPORO, LANA DEL NORTE</u>		<u>10,358,500.00</u>
3	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY</u>		<u>10,358,500.00</u>

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		<u>AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER (WITH DEHUSKING TOOL) IN LIBUNGAN, NORTH COTABATO</u>	
	4	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER IN DARO, JARO, LEYTE</u>	<u>10,333,500.00</u>
	5	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER IN PAWA, BOAC, MARINDUQUE</u>	<u>10,333,500.00</u>
	6	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER IN POBLACION, PRES. ROXAS, NORTH COTABATO</u>	<u>10,333,500.00</u>
	7	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER IN KATIPUNAN, PANABO CITY, DAVAO DEL NORTE</u>	<u>10,333,500.00</u>

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SCHEDULE OF REQUIREMENTS

BEFORE

Item Number (LOT No.)	Project Title	Delivered, Weeks/Months
1	SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 3 SETS OF WHITE COPRA-COOKING OIL PROCESSING CENTER IN PAWA, BOAC, MARINDUQUE; SAN LORENZO, GUIMARAS; AND DARO, JARO, LEYTE	120CD
2	SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 4 SETS OF WHITE COPRA-COOKING OIL PROCESSING CENTER IN CALUBE, SULTAN, NAGA DIMAPORO, LANA DEL NORTE; LIBUNGAN, NORTH COTABATO; KATIPUNAN, PANABO CITY, DAVAO DEL NORTE; AND POBLACION, PRES. ROXAS, NORTH COTABATO	120CD

AFTER

Item Number (LOT No.)	Project Title	Delivered, Weeks/Months
1	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER (WITH DEHUSKING TOOL) SAN LORENZO, GUIMARAS</u>	<u>150CD</u>
2	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER (WITH DEHUSKING TOOL) IN CALUBE, SULTAN, NAGA DIMAPORO, LANA DEL NORTE</u>	<u>150CD</u>

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



3	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER (WITH DEHUSKING TOOL) IN LIBUNGAN, NORTH COTABATO</u>	<u>150CD</u>
4	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER IN DARO, IARO, LEYTE</u>	<u>150CD</u>
5	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER IN PAWA, BOAC, MARINDUQUE</u>	<u>150CD</u>
6	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER IN POBLACION, PRES. ROXAS, NORTH COTABATO</u>	<u>150CD</u>
7	<u>SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR 1 SET OF WHITE COPRA-COOKING OIL PROCESSING CENTER IN KATIPUNAN, PANABO CITY, DAVAO DEL NORTE</u>	<u>150CD</u>
	BEFORE	AFTER
Section II. Instructions to Bidders (Number 1)	The Procurement Project SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR WHITE COPRA-COOKING OIL PROCESSING CENTER is composed of two (2) lots,	The Procurement Project SUPPLY OF LABOR AND MATERIALS FOR THE DESIGN, FABRICATION, DELIVERY AND ON-SITE INSTALLATION, TESTING AND COMMISSIONING OF EQUIPMENT AND MACHINERIES FOR WHITE COPRA-COOKING OIL PROCESSING CENTER is composed of seven (7) lots, the details of

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	the details of which are described in Section VII (Technical Specifications).	which are described in Section VII (Technical Specifications).
<p>2. <i>Issue / Proposal: Project delivery time to be lengthened to 180 days. The processing centers have many components that have to be designed and fabricated and some are specialized pieces that have to be imported. Furthermore, this will provide time for the building and power supply to be completed.</i></p>		
<p>Action Taken/Reply: Request/proposal is partially granted. Delivery period is amended to 150 calendar days.</p>		
	BEFORE	AFTER
<i>Invitation to Bid</i>	<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 FOR WHITE COPRA-COOKING 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>	<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 FOR WHITE COPRA-COOKING OIL PROCESSING CENTER. Delivery of the GOODS is required within One Hundred Fifty (150) 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>3. <i>Issue / Proposal: For the Drying Bin. Load the dryers with coconut meat instead of split nuts (with the shell). The weight of 10,000 split nuts is 3,500 kg while the weight of coconut meat from same quantity of split nuts is 2,250 kg. Experience in CASCOFAMCO (in Ivisan, Capiz) shows that drying coconut meat is faster, more uniform product, better fuel and labor efficiency than drying split nuts. Furthermore, coconut shells in the split nut are very sharp and are damaging to the dryer.</i></p>		
<p>Action Taken/Reply: Technical specification is retained.</p>		

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4. Issue / Proposal: For the Drying Bin. Use larger than 3mm perforation for the flooring instead of 0.75mm for palay 3mm perforations are being used; this size of perforation is also applicable for copra.

Action Taken/Reply: **Technical specification is amended.**

	BEFORE	AFTER
Technical Specification	Drying Bin - Bed flooring: SS 304 perforated sheet floor having 0.75 mm diameter perforation; and 1.0 mm thickness - The perforated flooring must have a rigid support that could withstand the full load capacity of the Dryer - With serviceable cleaning bottom port - The entire flatbed unit is securely bolted	Drying Bin - Bed flooring: SS 304 perforated sheet floor having 9-10 mm diameter perforation; and 1.0 mm thickness - The perforated flooring must have a rigid support that could withstand the full load capacity of the Dryer - With serviceable cleaning bottom port - The entire flatbed unit is securely bolted and air tight

5. Issue / Proposal: For the Heating System. Use the indicator of heating system efficiency by the quantity of coconut shell to dry 1000 nuts into copra. The consumption should not exceed than 35% of the coconut shells (The easiest way to monitor efficiency is to count the number of coconut shells used per 1000 nuts processed. Experience in CASCOFAMCO shows about 35 % of the shell are consumed in drying.)

Action Taken/Reply: **Technical specification is amended**

	BEFORE	AFTER
Technical Specification	Heating system - Biomass fuel: Indirect-fired - Heating system efficiency: 50%, minimum - Heat exchanger: Fire tubes - Drying temperature: 60°C minimum	Heating system - Biomass fuel: Indirect-fired - Heating system efficiency: 50%, minimum - Heat exchanger: Fire tubes schedule 60, seamless - Drying temperature: 60°C minimum

6. Issue / Proposal: For the blower/drive. Axial fan delivering 6000 cfm with compatible 1 hp electric motor (Coconut meat or split nuts are very loosely packed and air is easily blown through at very low static pressure of about 5mm water. Due to coconut tissue thickness, rate of moisture diffusion to the surface is slow and consequently removal is also slow. This phenomenon requires lower airflow rates. (

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<p><i>Experience in CASCOFAMCO shows fans with 6000 cfm provide good fuel efficiency.</i></p>
<p>Action Taken/Reply: Other better alternative source of power is acceptable</p>
<p>7. <i>Issue / Proposal: For the Moisture Meter. Use the Distillation-type moisture determination set-up. The oil mills in the Philippines use the proven distillation method of moisture content determination for decades. This method utilizes aggregated samples from several tons of copra and measures average moisture content in 30 minutes.</i></p>
<p>Action Taken/Reply: Technical specification is retained.</p>
<p>8. <i>Issue / Proposal: For the Loading and unloading conveyors. Use stainless steel screw conveyor in loading coconut meat and unloading copra. Screw conveyors are more hygienic and trouble-free than belt conveyors</i></p>
<p>Action Taken/Reply: Technical specification is retained.</p>
<p>9. <i>Issue / Proposal: For the oil expeller. Instead of 1 expeller with throughput capacity of 125kg/hr (1000 kg/8hrs), use 2 expellers with throughput capacity of 62.5kg/hr. For better recovery, 1 expeller for first pass and 1 for second pass. The oil recovery will range from 58-60% depending on the maturity of the coconuts. Thus, the oil yield will range from 1000 kg copra will be from 580 kg to 620 kg per day.</i></p>
<p>Action Taken/Reply: Technical specification is retained.</p>
<p>10. <i>Issue / Proposal: For the filter press. The filtration unit could be filter press type or pressure filter type provided the capacity is minimum 75 kg/hr.</i></p>
<p>Action Taken/Reply: Technical specification is retained.</p>
<p>11. <i>Issue / Proposal: For the Refining machine. Reduce the capacity of the oil refining system to 600 kg/day. Will produce cooking of high quality: color light yellow, max FFA 0.1 % (as lauric), max moisture content 0.1 %. The refining system should have a compatible filtration system (frame filter or pressure filter type made of 304 stainless steel), 304 stainless steel refining/degumming tank, 304 stainless steel deodorizing unit. The refining system's other equipment are: steam boiler with superheater, high efficiency vacuum pumps with evaporative cooling, thermal oil heaters using biomass fuel. (This capacity of 600 kg/day is matched with drying capacity of 5 tons coconuts/day and expeller capacity of 1000 kg/8 hrs)</i></p>
<p>Action Taken/Reply: Technical specification is retained.</p>
<p>12. <i>Issue / Proposal: Clarification on the 49.3kw total power requirement of the oil refining machine if it is equals to 66.1Hp if converted to Hp.</i></p>
<p>Action Taken/Reply: Yes.</p>

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



13. Issue / Proposal: For the Automatic Liquid Filling Machine. Reduce range of capacity to 100 ml -1000 ml from 10 ml -1000 ml Coconut oil is generally marketed at 200-1000 ml.		
Action Taken/Reply: Technical specification is retained.		
14. Issue / Proposal: Request to use manufacturer standard for the Flat bed dryer heating system instead of fire tubes heat exchanger		
Action Taken/Reply: Technical specification is retained.		
15. Issue / Proposal: For the blower. Request to indicate the Color (i.e. Red, Green.); Powdered Coating is different type of painting process. Request to use spray painted		
Action Taken/Reply: The manufacturer could choose the color of the blower. Requirement for powder coated is retained.		
	BEFORE	AFTER
	Blower - Should be painted finish, with rust-proofing primer and final paint color is powdered-coated	Blower Should be painted finish, with rust-proofing primer and final paint color is powder coated
16. Issue / Proposal: Request on requiring 10hp electric motor, 220 V, 3-phase in lieu of the 12.0hp water cooled diesel engine requirement of the Flat bed dryer		
Action Taken/Reply: Other better alternative source of power is acceptable		
17. Issue / Proposal: Request for the thickness of stainless steel sheet material for the Holding tank for Cocowater		
Action Taken/Reply: Technical specification is retained.		
18. Issue / Proposal: Request that the electric motor for the copra cutter be 5 Hp., 220V, 1Phase instead of 4Hp		
Action Taken/Reply: Technical specification is retained.		
19. Issue / Proposal: Please clarify if the volume of 1.60cu.m. is the minimum capacity for the volume of the oil expeller		
Action Taken/Reply: Yes, the requirement is the minimum capacity		

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	BEFORE	AFTER
Technical Specification	1 unit Oil expeller - Output Capacity: 125 kg/hr minimum - Volume: 1.60 m3	1 unit Oil expeller - Output Capacity: 125 kg/hr minimum - Volume: 1.60 m3, minimum
20. Issue / Proposal: Request to indicate the SS Sheet thickness of the receiving cylindrical tank construction		
Action Taken/Reply: Technical specification for the receiving tank SS sheet is retained.		
21. Issue / Proposal: Request that the 3 Phase pump requirement for the receiving cylindrical tank be 1 Phase		
Action Taken/Reply: Technical specification is retained.		
22. Issue / Proposal: Request to indicate the SS Sheet thickness of the Coconut Oil Tank		
Action Taken/Reply: Technical specification is retained.		
23. Issue / Proposal: Request for clarification if the transformers will be supplied only; installation not included.		
Action Taken/Reply: Yes.		
24. Issue / Proposal: Request that the payment terms will be upon accomplishment of each delivery sites.		
Action Taken/Reply: Payment term is amended. Kindly refer to the amendments above.		

C. OTHER AMENDMENTS

	BEFORE	AFTER
Technical Specification	Engine - Driven by 12.0hp diesel engine, water cooled, single cylinder type, manual/hand cracked starting - Both engine and the machine must be brand new, latest model and not rebranded/renamed	Engine - Driven by 12.0hp diesel engine, water cooled, single cylinder type, manual/hand cracked starting - Both engine and the machine must be brand new, latest model and not rebranded/renamed - Engine offered at least thirty five (35) years in the market

Issued this 25th day of July 2023 in the Science City of Muñoz, Nueva Ecija, Philippines.

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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
FOR WHITE COPRA-COOKING OIL PROCESSING CENTER
(PHilMech-Goods-23-07-12)

Reviewed and approved by:


NELSON C. SANTIAGO, Ph.D.

Chairperson, Bids and Awards Committee


ARIENE C. 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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