



Republic of the Philippines  
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES

**BID BULLETIN NO. 01**

18 May 2023

- I.** Attention is hereby invited to the Bidders of **SUPPLY AND INSTALLATION OF THREE (3) UNITS 600 KW CHILLER AT ILOILO INTERNATIONAL AIRPORT.-**  
**Bid No. 23-010-05**
- II.** Please be informed of the following issues/clarifications:

Issues/Queries	Clarification/s
<p>1. We would like to clarify a section in the prescribed Bid Form – Bill of Materials <i>CAAP-BAC-SF Annex "C" Form 2</i>; if the presented item and unit is correct given that <b>SPL-1 Mobilization Demobilization</b> covers the works for mobilization and demobilization of the contractor's personnel and equipment necessary for performing the work required under the contract.</p> <p>Shall we put in required quantity, duration and rate/hour for the Mobile Crane equipment or can we set it as a lot item for all the mobilization/demobilization cost?</p> <p><i>Original:</i></p>	<p>1. Please be informed that it is not needed to put in the quantity, duration and rate/hour for the Mobile Crane Equipment as it is already removed from the bid form. Hence, you can set it as a lot item for all the mobilization/demobilization cost. <i>Please see attached revised CAAP-BAC-SF Annex "C" Form 2.</i></p>

*CAAP-BAC-SF Annex "C" Form 2*

{ATTACH COMPANY LETTERHEAD/LOGO}

**BILL OF MATERIALS**

NAME OF PROJECT		SUPPLY AND INSTALLATION OF THREE (3) UNITS 600 KW CHILLER			
LOCATION		CABATUAN, ILOILO			
SUBJECT		BILL OF MATERIALS			
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT (P)
SPL-1	Mobilization/Demobilization				
C	Equipment	QTY	DUR. (Hour)	RATE/HOUR	
	10 MT Mobile Crane				
			Equipment Cost		
C TOTAL EQUIPMENT COST					
D TOTAL DIRECT COST					
INDIRECT COSTS					
1. OCM (5% of EDC) of Estimated Direct Cost					
2. Contractor's Profit (8% of EDC) of Estimated Direct Cost					
E TOTAL OCM & PROFIT of D					
F VALUE ADDED TAX (VAT) 5.0% of (D + E)					
G TOTAL ESTIMATED INDIRECT COST (E + F), P					
H TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity), P/Unit					
TOTAL ESTIMATED COST (D + G), P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity), P/Unit					

Revised:

CAAP-BAC-SF Annex "C" Form 2

{ATTACH COMPANY LETTERHEAD/LOGO}

## BILL OF MATERIALS

NAME OF PROJECT		SUPPLY AND INSTALLATION OF THREE (3) UNITS 600 KW CHILLER		QTY	UNIT
LOCATION		CABATUAN ILOILO		1.00	lot
SUBJECT		BILL OF MATERIALS		UNIT PRICE	AMOUNT (P)
ITEM	DESCRIPTION	QUANTITY	UNIT		
SPL-1	Mobilization/Demobilization				
C	Equipment: 10 MT Mobile Crane		Equipment Cost		
C TOTAL EQUIPMENT COST					
D TOTAL DIRECT COST					
INDIRECT COSTS					
1. OCM (0% of EDC)					
2. Contractor's Profit (0% of EDC)					
E. TOTAL OCM & PROFIT					
F. VALUE ADDED TAX (VAT) 5.0%					
G. TOTAL ESTIMATED INDIRECT COST (E + F) / P					
H. TOTAL ESTIMATED UNIT INDIRECT COST (G / Quantity) / P/Unit					
TOTAL ESTIMATED COST (D + G) / P					
TOTAL ESTIMATED UNIT COST (Total Estimated Cost / Quantity) / P/Unit					

## Issues/Queries

2. The BID DATA SHEET and the TERMS AND CONDITIONS require that:  
*In case of a different brand and model of Chiller offered, the Contractor shall include in the Technical Documents at least one (1) Certification of a previous completed project wherein they installed a different brand and model of **Chiller and was able to integrate with the existing chillers**; (Emphasis ours)*

At the same time, the SCOPE OF WORKS states:  
*The Contractor shall demolish, if there is a need, any obstructions such as hangers and supports for the **removal of three (3) units Air-cooled Water Chiller and mounting of the new Chiller**. All structural and architectural finishes damaged during the course of work shall be restored to its original condition. (Emphasis ours)*

Since the project requires the removal of the existing and total replacement of three (3) chillers, it does not entail any integration of a new chiller to an existing one. As such, the above requirement to our belief is no longer necessary. Is this correct?

## Clarification/s

2. No. The Certification of a previous completed project wherein they installed a different brand and model of Chiller and was able to integrate with the existing chillers **is necessary**. Please be informed that Iloilo International Airport has five (5) existing chillers. The airport needs to operate at least three (3) units simultaneously to meet the cooling requirements of the terminal building and other facilities in the airport. Hence, the three (3) new chillers for this project need to integrate and operate simultaneously with the other two (2) existing chillers as all the units also operate on a rotational basis for resting of the equipment.

If the brand and model of the chiller offered is different from the existing units, the required Certification will be a proof that the Bidder/Contractor is capable of installing a new chiller of a different brand and model which can integrate with the existing units.

Issues/Queries	Clarification/s
3. Will the site inspection require a holder of Bid Documents during the site visit? Shall we secure a permit from CAAP office to conduct site inspection?	3. No. The site inspection does not require a holder of Bid Documents during the site visit. Also, it is not required to secure a permit from CAAP Central Office and you can proceed directly at the Iloilo International Airport's Admin Building to conduct site inspection from Monday-Friday, Office Hours: 8:00am – 5:00pm.  <b>Contact Details for the Site Inspection:</b> Engr. Alex Gallana Engineering Unit Supervisor 0916-3323589 / 0917-1450185 / 033-5226765 caapiloilo.engineeringunit@gmail.com
4. SPL-1 Mobilization/Demobilization was not included in the Technical Specifications. (Page 31 of 71)  <i>Original:</i>	4. SPL-1 Mobilization/Demobilization for inclusion in the Technical Specifications. (Page 31 of 71). <i>Please see attached revised Technical Specifications.</i>  <i>Revised:</i>

**Technical Specifications**

ITEM	DESCRIPTION	STATEMENT OF COMPLIANCE
<b>1.00</b> <b>A</b> <b>1.01</b>	<b>Dismantling Works</b> <b>Materials</b> Dismantling of existing chiller (labor only)	
<b>B</b>	<b>Labor</b> Foreman Skilled Laborer Common Laborer	
<b>C</b>	<b>Equipment</b> 10 MT Mobile Crane	
<b>2.00</b> <b>2.01</b> <b>A</b>	<b>New Chiller Works</b> <b>Chiller- 3 units</b> <b>Materials</b> Air Cooled Water Chiller, Screw Type complete with mechanical, electrical and control components, additional refrigerant and concrete pad if needed and other accessories to complete the system (includes Shipping, Delivery, Transportation, Custom Duties, Testing and Commissioning and Factory Acceptance Test for 3 CAAP representatives)  <b>Specifications</b> Cooling Capacity: 600 kW / 170 TR Refrigerant: R407C Power Supply: 480-480 V, 3 Ph, 60 Hz Circuit Breaker Current Rating: 3 x 200 A Piping Connection: 6 x 80 mmØ BMS Connectivity: Linc-net FX	
<b>B</b>	<b>Labor</b> Foreman Skilled Laborer Common Laborer	
<b>C</b>	<b>Equipment</b> 10 MT Mobile Crane	

SUBMITTED BY:

Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Position: \_\_\_\_\_  
 Name of Company: \_\_\_\_\_  
 Date: \_\_\_\_\_

**Technical Specifications**

ITEM	DESCRIPTION	STATEMENT OF COMPLIANCE
<b>SPL-1</b> <b>C</b>	<b>Mobilization/Demobilization</b> <b>Equipment:</b> 10 MT Mobile Crane	
<b>1.00</b> <b>A</b> <b>1.01</b>	<b>Dismantling Works</b> <b>Materials</b> Dismantling of existing chiller (labor only)	
<b>B</b>	<b>Labor</b> Foreman Skilled Laborer Common Laborer	
<b>C</b>	<b>Equipment</b> 10 MT Mobile Crane	
<b>2.00</b> <b>2.01</b> <b>A</b>	<b>New Chiller Works</b> <b>Chiller- 3 units</b> <b>Materials</b> Air Cooled Water Chiller, Screw Type complete with mechanical, electrical and control components, additional refrigerant and concrete pad if needed and other accessories to complete the system (includes Shipping, Delivery, Transportation, Custom Duties, Testing and Commissioning and Factory Acceptance Test for 3 CAAP representatives)  <b>Specifications</b> Cooling Capacity: 600 kW / 170 TR Refrigerant: R407C Power Supply: 480-480 V, 3 Ph, 60 Hz Circuit Breaker Current Rating: 3 x 200 A Piping Connection: 6 x 80 mmØ BMS Connectivity: Linc-net FX	
<b>B</b>	<b>Labor</b> Foreman Skilled Laborer Common Laborer	
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SUBMITTED BY:

Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Position: \_\_\_\_\_  
 Name of Company: \_\_\_\_\_  
 Date: \_\_\_\_\_

Issues/Queries	Clarification/s				
<p>5. Details for ITB Clause 15 was not included in the Bid Data Sheet. (Page 20 of 71)</p> <table border="1" data-bbox="555 383 1444 1003"><thead><tr><th data-bbox="560 389 651 456">ITB Clause</th><th data-bbox="651 389 1439 456"></th></tr></thead><tbody><tr><td data-bbox="560 456 651 996">15</td><td data-bbox="651 456 1439 996"><p>1. Each and every page thereof shall be initialed/signed by the duly authorized representative/s of the Bidder.</p><p>Submitted Eligibility, Technical and Financial documents shall be properly marked with index tabs (ear tab) and must be sequentially paginated in accurate order in the form i.e. "page 3 of 100". Page number of last page of the document (per envelope basis).</p><p>Pagination should be sequential based on the entire span of the whole documents inside the envelope.</p><p>2. Each Bidder shall submit <b>one copy of the first and second components</b> of its bid.</p><p>Bids not complying with the above instructions shall be automatically disqualified.</p></td></tr></tbody></table>	ITB Clause		15	<p>1. Each and every page thereof shall be initialed/signed by the duly authorized representative/s of the Bidder.</p> <p>Submitted Eligibility, Technical and Financial documents shall be properly marked with index tabs (ear tab) and must be sequentially paginated in accurate order in the form i.e. "page 3 of 100". Page number of last page of the document (per envelope basis).</p> <p>Pagination should be sequential based on the entire span of the whole documents inside the envelope.</p> <p>2. Each Bidder shall submit <b>one copy of the first and second components</b> of its bid.</p> <p>Bids not complying with the above instructions shall be automatically disqualified.</p>	<p>5. For inclusion of the details for ITB Clause 15 in the Bid Data Sheet: (Page 20 of 71)</p>
ITB Clause					
15	<p>1. Each and every page thereof shall be initialed/signed by the duly authorized representative/s of the Bidder.</p> <p>Submitted Eligibility, Technical and Financial documents shall be properly marked with index tabs (ear tab) and must be sequentially paginated in accurate order in the form i.e. "page 3 of 100". Page number of last page of the document (per envelope basis).</p> <p>Pagination should be sequential based on the entire span of the whole documents inside the envelope.</p> <p>2. Each Bidder shall submit <b>one copy of the first and second components</b> of its bid.</p> <p>Bids not complying with the above instructions shall be automatically disqualified.</p>				
<p>6. Equivalent degree Celcius (<math>^{\circ}\text{C}</math>) of degree Fahrenheit (<math>^{\circ}\text{F}</math>) of the chiller outlet and inlet temperatures were not included in item no. 3 of the Technical Specifications. (Page 34 of 71)</p> <p><b>Original:</b></p> <p>3. The chillers shall have minimum outlet temperature of <math>44.6^{\circ}\text{F}</math> and inlet temperature of <math>54^{\circ}\text{F}</math></p>	<p>6. For inclusion of the equivalent degree Celcius (<math>^{\circ}\text{C}</math>) of degree Fahrenheit (<math>^{\circ}\text{F}</math>) of the chiller outlet and inlet temperatures in item no. 3 of the Technical Specifications. (Page 34 of 71)</p> <p><b>Revised:</b></p> <p>3. The chillers shall have minimum outlet temperature of <math>7^{\circ}\text{C}</math> / <math>44.6^{\circ}\text{F}</math> and inlet temperature of <math>12.2^{\circ}\text{C}</math> / <math>54^{\circ}\text{F}</math>.</p>				

- III.** This Bid Bulletin should be included in the Technical Requirements and be marked accordingly. This serves as an integral part of the bidding documents of the project and non-inclusion of this Bid Bulletin in the Technical Requirements will constitute disqualification. Bidders are not required to include the sub attachments of the provided Bid Bulletins.

For the information and guidance of all concerned.



**CAPTAIN EDGARDO G. DIAZ**

*Chairperson, Bids and Awards Committee*