

Proj. Ref. No.: **BAC1-2023-12-0130**

Opening of Bids: **09 February 2024**

End-User: **Office of Engineering and Technical Services**

ABC: PHP**11,073,371.25**

Project **SUPPLY, DELIVERY, INSTALLATION, TESTING**
Title: **AND COMMISSIONING OF DIFFERENT TYPES OF**
AIR-CONDITIONING UNITS FOR VARIOUS
DEPARTMENT

Contract: **SINGLE BID**

Item No.	Qty.	UOM	Item Description	Unit Cost (PhP)	Quotations (all taxes included)	
					in figures	in words
			SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF DIFFERENT TYPES OF AIR-CONDITIONING UNITS FOR VARIOUS DEPARTMENT			
1	3	Units	1.0Hp, window type, 220 volts, single phase 60hz, inverter air-conditioning unit	30,500.00		
			Area of Installation: Rehabilitation Department (Room G2, G4 & G6)			
			Specifications: Power Supply: 230v, single phase, 60hz Cooling Capacity: 4,300 – 12,000 kJ/hr Power Input: 400 – 1,120 Watts EER: 10.0 – 13.0 kJ/W-hr Refrigerant: R-32			
	3	Units	Installation Cost (3 units window type) Include installation of supports, drain pans and drainpipes tap to nearest drainage system, and breakers for power supply	11,000.00		
2	40	Units	1.5Hp, window type, 220 volts, single phase 60hz, inverter air-conditioning unit	33,100.00		
			Area of Installation: DPPS Wards			
			Specifications: Power Supply: 230v, single phase, 60hz Cooling Capacity: 5,200 – 14,000 kJ/hr Power Input: 465 – 1,280 Watts EER: 10.0 – 14.0 kJ/W-hr Refrigerant: R-32			

Approved by:

Dean CHARLOTTE M. CHIONG, MD, PhD
Chairperson

(Signature over Printed Name of President / Gen. Manager)

(Name & Address of Company)

Proj. Ref. No.: **BAC1-2023-12-0130**

Opening of Bids: **09 February 2024**

End-User: **Office of Engineering and Technical Services**

ABC: PHP**11,073,371.25**

Project Title: **SUPPLY, DELIVERY, INSTALLATION, TESTING
AND COMMISSIONING OF DIFFERENT TYPES OF
AIR-CONDITIONING UNITS FOR VARIOUS
DEPARTMENT**

Contract: **SINGLE BID**

Item No.	Qty.	UOM	Item Description	Unit Cost (PhP)	Quotations (all taxes included)	
					in figures	in words
	40	Units	Installation Cost (40 units window type) Include installation of supports, drain pans and drainpipes tap to nearest drainage system	1,700.00		
3	3	Units	1.5Hp, Split type, 220 volts, single phase 60hz, inverter wall mounted air-conditioning unit	40,500.00		
			Area of Installation: Rehabilitation Department (Room M2, M10 & M11)			
			Specifications: Power Supply: 230v, single phase, 60hz Cooling Capacity: 3,780 – 14,040 kJ/hr Power Input: 320 – 1,400 Watts EER: 10.0 – 11.8 kJ/W-hr Refrigerant: R-32			
	3	Units	Installation Cost (3 units split type) Include installation of supports and drainpipes tap to nearest drainage system	15,300.00		
4	51	Units	2.0Hp, window type, 220 volts, single phase 60hz, inverter air-conditioning unit	61,700.00		
			Area of Installation: a. Accounting Services Division (2) b. Department of Obstetrics and Gynecology (1) c. Office of the Deputy Director for Fiscal Services (2) d. Information Technology Office (3) e. Internal Audit Special Service Staff (1) f. DPPS Wards (40) g. Gender and Development Committee (1) h. Surgery Department – Trauma Resident's Lounge (1)			

Approved by:

Dean CHARLOTTE M. CHIONG, MD, PhD
Chairperson

(Signature over Printed Name of President / Gen. Manager)

(Name & Address of Company)

Proj. Ref. No.: **BAC1-2023-12-0130**

Opening of Bids: **09 February 2024**

End-User: **Office of Engineering and Technical Services**

ABC: PHP**11,073,371.25**

Project Title: **SUPPLY, DELIVERY, INSTALLATION, TESTING
AND COMMISSIONING OF DIFFERENT TYPES OF
AIR-CONDITIONING UNITS FOR VARIOUS
DEPARTMENT**

Contract: **SINGLE BID**

Item No.	Qty.	UOM	Item Description	Unit Cost (PhP)	Quotations (all taxes included)	
					in figures	in words
			Specifications: Power Supply: 230v, single phase, 60hz Cooling Capacity: 7,500 – 18,750 kJ/hr Power Input: 710 – 1,785 Watts EER: 10.0 – 15.0 kJ/W-hr Refrigerant: R-32			
	51	Units	Installation Cost (51 units window type) Include installation of supports, drain pans and drainpipes tap to nearest drainage system	1,700.00		
5	10	Units	2.0Hp, split type, 220 volts, single phase 60hz, inverter wall mounted air-conditioning unit	55,700.00		
			Area of Installation: a. Rehabilitation Department (Room M6, M7, M8, M9, M13, M14 & Quarters) – 8 units b. Surgery Department (Clinical Clerk's Room Ward 2 & Chairman's Office) – 2 units			
			Specifications: Power Supply: 230v, single phase, 60hz Cooling Capacity: 2,988 – 18,000 kJ/hr Power Input: 230 – 1,720 Watts EER: 10.5 – 13.0 kJ/W-hr Refrigerant: R-32			
	10	Units	Installation Cost (10 units split type) Include installation of supports and drainpipes tap to nearest drainage system	16,666.00		
6	12	Units	2.5Hp, split type, 220 volts, single phase 60hz, inverter wall mounted air-conditioning unit	65,800.00		

Approved by:

Dean CHARLOTTE M. CHIONG, MD, PhD
Chairperson

(Signature over Printed Name of President / Gen. Manager)

(Name & Address of Company)

Proj. Ref. No.: **BAC1-2023-12-0130**

Opening of Bids: **09 February 2024**

End-User: **Office of Engineering and Technical Services**

ABC: PHP**11,073,371.25**

Project Title: **SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF DIFFERENT TYPES OF AIR-CONDITIONING UNITS FOR VARIOUS DEPARTMENT**

Contract: **SINGLE BID**

Item No.	Qty.	UOM	Item Description	Unit Cost (PhP)	Quotations (all taxes included)	
					in figures	in words
			Area of Installation: a. Rehabilitation Department (Pantry) – 1unit b. Surgery Department (Surgical Research Unit Ward 2 & Residents Quarter - Old OR Building, 3rd Floor) – 3 units c. Pediatrics Department – 8 units			
			Specifications: Power Supply: 230v, single phase, 60hz Cooling Capacity: 4,320 – 24,480 kJ/hr Power Input: 240 – 2,100 Watts EER: 11.7 – 18.0 kJ/W-hr Refrigerant: R-32			
	12	Units	Installation Cost (12 units split type) Include installation of supports and drainpipes tap to nearest drainage system	25,000.00		
7	1	Unit	2.0TR/ 2.5Hp, split type, 220 volts, single phase 60hz, inverter ceiling mounted air-conditioning unit	99,200.00		
			Area of Installation: a. DOPS (Administration Office)			
			Specifications: Power Supply: 230v, single phase, 60hz Cooling Capacity: 4,320 – 24,480 kJ/hr Power Input: 240 – 2,100 Watts EER: 11.7 – 18.0 kJ/W-hr Refrigerant: R-32			
	1	Unit	Installation Cost (1 unit split type) Include installation of supports and drainpipes tap to nearest drainage system	28,000.00		
8	5	Units	3.0hp, split type, 220 volts, single phase 60hz, inverter wall mounted air-conditioning unit	100,500.00		

Approved by:

Dean CHARLOTTE M. CHIONG, MD, PhD
Chairperson

(Signature over Printed Name of President / Gen. Manager)

(Name & Address of Company)

Proj. Ref. No.: **BAC1-2023-12-0130**

Opening of Bids: **09 February 2024**

End-User: **Office of Engineering and Technical Services**

ABC: PHP**11,073,371.25**

Project Title: **SUPPLY, DELIVERY, INSTALLATION, TESTING
AND COMMISSIONING OF DIFFERENT TYPES OF
AIR-CONDITIONING UNITS FOR VARIOUS
DEPARTMENT**

Contract: **SINGLE BID**

Item No.	Qty.	UOM	Item Description	Unit Cost (PhP)	Quotations (all taxes included)	
					in figures	in words
			Area of Installation: a. Section of Physical Therapy			
			Specifications: Power Supply: 230v, single phase, 60hz Cooling Capacity: 5,000 – 30,150 kJ/hr Power Input: 280 – 2,800 Watts EER: 12.0 – 15.2 kJ/W-hr Refrigerant: R-32			
	5	Units	Installation Cost (5 units split type) Include installation of supports and drainpipes tap to nearest drainage system	39,000.00		
9	12	Units	3.0TR/ 4.0Hp, split type, 220 volts, single phase 60hz, inverter ceiling mounted air-conditioning unit	139,400.00		
			Area of Installation: a. Medical Records Division (3) b. OPD – Dentistry (3) c. OPD – OB-Gyne (1) d. OPD – Dermatology Department (1) e. Rehabilitation Department (Physical Therapy Room) (2) f. Surgery Department (Chairman's Complex Lobby & Resident's Lounge) (2)			
			Specifications: Power Supply: 230v, single phase, 60hz Cooling Capacity: 14,300 – 40,000 kJ/hr Power Input: 700 – 4,400 Watts EER: 11.0 – 19.3 kJ/W-hr Refrigerant: R-32			
	12	Units	Installation Cost (12 units split type) Include installation of supports and drainpipes tap to nearest drainage system	39,000.00		

Approved by:

Dean CHARLOTTE M. CHIONG, MD, PhD
Chairperson

(Signature over Printed Name of President / Gen. Manager)

(Name & Address of Company)

Proj. Ref. No.: **BAC1-2023-12-0130**

Opening of Bids: **09 February 2024**

End-User: **Office of Engineering and Technical Services**

ABC: PHP**11,073,371.25**

Project Title: **SUPPLY, DELIVERY, INSTALLATION, TESTING
AND COMMISSIONING OF DIFFERENT TYPES OF
AIR-CONDITIONING UNITS FOR VARIOUS
DEPARTMENT**

Contract: **SINGLE BID**

Item No.	Qty.	UOM	Item Description	Unit Cost (PhP)	Quotations (all taxes included)	
					in figures	in words
10	2	Units	3.0TR/ 4.0Hp, split type, 220 volts, single phase 60hz, inverter floor mounted air-conditioning unit	133,200.00		
			Area of Installation: a. Information Technology Office b. Rehabilitation Department (Conference Room)			
			Specifications: Power Supply: 230v, single phase, 60hz Cooling Capacity: 14,300 – 43,500 kJ/hr Power Input: 700 – 4,400 Watts EER: 8.0 – 17.3 kJ/W-hr Refrigerant: R-32			
	2	Units	Installation Cost (2 units split type) Include installation of supports and drainpipes tap to nearest drainage system	25,500.00		
11	1	Assy.	Feeder line including Panel Board Assembly tap to Existing Electrical Room at Rehabilitation Department	201,911.25		
			Main: 100AT; Branch: 10-30AT; 3P, 240V, Nema-3 Enclosure w/ 100AT ECB protection before tapping point			
12	26	Units	Condensate Drain Pumps for Split type Air-Conditioning unit	8,000.00		
13	1	Lot	Cost of installation to complete the project includes (electrical feeder line for some unit, individual circuit breakers, cladding materials and ceiling restoration on affected by installation of split type AC units)	650,000.00		
Total Approved Budget for the Contract:				Php11,073,371.25		

Approved by:

Dean CHARLOTTE M. CHIONG, MD, PhD
Chairperson

(Signature over Printed Name of President / Gen. Manager)

(Name & Address of Company)

Proj. Ref. No.: **BAC1-2023-12-0130**

Opening of Bids: **09 February 2024**

End-User: **Office of Engineering and Technical Services**

ABC: PHP**11,073,371.25**

Project Title: **SUPPLY, DELIVERY, INSTALLATION, TESTING
AND COMMISSIONING OF DIFFERENT TYPES OF
AIR-CONDITIONING UNITS FOR VARIOUS
DEPARTMENT**

Contract: **SINGLE BID**

TERMS OF REFERENCE:

1. Delivery period should be **Twenty (20) working days** upon receipt of approved Purchase Order (PO) and should be delivered to Property and Supply Division.
2. Installation should be done within **Ninety (90) Calendar Days** commencing after the inspection of PGH Internal Audit.
3. The winning bidder will be responsible for the performance testing, delivery installation and commissioning of the air-con units and must coordinate with the concerned staff of the Office Engineering & Technical Services.
4. The Supplier is expected to execute the works and all systems required as per specifications. Include technical specifications (brochures/catalogue).
5. One (1) year warranty on parts and services after acceptance of the concerned end-user. Warranty period shall commence from the date of acceptance by the end-user after installation, testing and commissioning. Minimum of **Five (5) years** warranty on compressor of air-con units. Provide operator's & service manuals upon delivery.
6. Quarterly quality preventive maintenance during warranty period free of charge.
7. Free installation of compressor/spare parts in case of breakdown within the warranty period.
8. Supplier is required to submit single bid offer. Two or more bids offer is automatically disqualified.
9. Supplier must be **Duly Accredited or Authorized Seller/ Installer** by the Air-condition Brand that they are representing.
10. Compliance with the Republic Act No. 9184 and other applicable laws.

SCOPE OF WORKS AND SPECIFICATIONS:

Scope

These items shall consist of the supply, installation, testing, commissioning and perform all the works necessary for complete operation of the following:

Air-Conditioning Unit (ACU)

1.0HP, Window Type, 220V, Single Phase, 60Hz, Inverter type

1.5HP, Window Type, 220V, Single Phase, 60Hz, Inverter type

2.0HP, Window Type, 220V, Single Phase, 60Hz, Inverter type

Approved by:

Dean CHARLOTTE M. CHIONG, MD, PhD
Chairperson

(Signature over Printed Name of President / Gen. Manager)

(Name & Address of Company)

Proj. Ref. No.: **BAC1-2023-12-0130**

Opening of Bids: **09 February 2024**

End-User: **Office of Engineering and Technical Services**

ABC: PHP**11,073,371.25**

Project Title: **SUPPLY, DELIVERY, INSTALLATION, TESTING
AND COMMISSIONING OF DIFFERENT TYPES OF
AIR-CONDITIONING UNITS FOR VARIOUS
DEPARTMENT**

Contract: **SINGLE BID**

**1.5HP, Split Type, 220V, Single Phase, 60Hz, Inverter, Wall-Mounted
2.0HP, Split Type, 220V, Single Phase, 60Hz, Inverter, Wall-Mounted
2.5HP, Split Type, 220V, Single Phase, 60 Hz, Inverter, Wall-Mounted
3.0HP, Split Type, 220V, Single Phase, 60Hz, Inverter, Wall-Mounted
2.5HP, Split Type, 220V, Single Phase, 60Hz, Inverter, Ceiling- Mounted
3.0TR, Split Type, 220V, Single Phase, 60Hz, Inverter, Floor-Mounted
3.0TR, Split Type, 220V, Single Phase, 60Hz, Inverter, Ceiling-Mounted**

Refrigerant Accessories, Drains and Supports

- Use standard piping/conduits, control wires, supports, brackets, etc. for evaporator.
- Refrigerant piping and fittings shall be L hard drawn seamless
- All exposed refrigerant piping lay-out, feeder lines and drain pipes should be properly and esthetically clad by Gauge #22 GI sheet for protection against deformation.
- Condensing unit shall be horizontal blow thru type, rest on metal supported platform using ¼" x 2" x 2" angular bar, MS plate with rubber footings/pads.
- Condensers installed at higher level should be provided with catwalk for safety of maintenance personnel
- Apply two (2) coats of red oxide primer paint and two (2) coats of silver paint or same color with the wall on all metal brackets
- Condensate drain piping for split type air-conditioning units shall be ¾" diameter PVC blue pipe and shall be connected to the nearest drain pipe line. Provide condensate drain pump if needed.
- Ensure all air-conditioning unit must have individual ECB and feeder line.
- All feeder line must be IMC or EMT Pipe and all communication line roughing-ins must be metallic flexible conduit. Connection of power supply from condenser to each ECB must be liquid tight metallic flexible conduit.
- Piping insulation shall be applied on all refrigerant lines and condensate drain line. Rubber insulation shall be ¾" wall thickness for initial insulation, wrap with polyethylene tape for final insulation.
- Provide additional electrical wire and roughing-ins for feeder line and other electrical materials as needed for power supply of each unit. Survey on actual site for the permanent tapping of power supply.

Approved by:

Dean CHARLOTTE M. CHIONG, MD, PhD
Chairperson

(Signature over Printed Name of President / Gen. Manager)

(Name & Address of Company)

Proj. Ref. No.: **BAC1-2023-12-0130**

Opening of Bids: **09 February 2024**

End-User: **Office of Engineering and Technical Services**

ABC: PHP**11,073,371.25**

Project **SUPPLY, DELIVERY, INSTALLATION, TESTING**
Title: **AND COMMISSIONING OF DIFFERENT TYPES OF**
AIR-CONDITIONING UNITS FOR VARIOUS
DEPARTMENT

Contract: **SINGLE BID**

Guarantee and Services

- 1) The Air-Conditioning System installed shall be warranted for a period of **one (1) year** on parts and services including Quarterly Preventive maintenance with General Cleaning of the units.
- 2) Five (5) years warranty on compressor of all air-conditioning units. In case of replacement, installation must be Free of Charge including Refrigerant during Warranty Period.

ELIGIBILITY:

1. Technicians should possess TESDA Certificate (NCII-Refrigeration and Air-Conditioning)
2. Preferably with Philippine Contractors Accreditation Board (PCAB) license with Specialty on air-conditioning or Refrigeration (SP-AC) with at least a size range of Small B and License Category C & D.

Approved by:

Dean CHARLOTTE M. CHIONG, MD, PhD
Chairperson

(Signature over Printed Name of President / Gen. Manager)

(Name & Address of Company)