

TERMS OF REFERENCE

I. PROJECT TITLE

SUPPLY OF LABOR AND MATERIALS FOR THE REHABILITATION OF AIR HANDLING SYSTEM SERVICING THE SECOND FLOOR QUADRANT B AND E OF THE PALACIO DEL GOBERNADOR BUILDING.

II. APPROVED BUDGET FOR THE CONTRACT (ABC)

Six Hundred Eighteen Thousand Pesos (Php618,000.00)

Inclusive of all applicable tax

III. SCOPE OF WORK

- QUADRANT B

1. Mobilization of manpower, tools, and equipment.
2. Repair and Rewire the Variable Frequency Drive (Brand: DELTA) Controller to its components.
3. Unit Start-up and check operating parameters.
4. Check electrical controls.
5. Testing and Commissioning.

- QUADRANT E

1. Mobilization of manpower, tools, and equipment.
2. De-energized power supply.
3. Dismantling of a defective compressor
4. Dismantling of filter drier.
5. Supply and installation of new 20Tr Compressor, 460V, 3Ø, 60hz
Note:
SEMI-HERMETIC Compressor "Carrier"
Model: 06E2250311
Serial No: 1979J00027
20Tr, 230/460V, 60Hz, 3 Phase, R22
6. Supply and installation of new filter drier.
7. Supply and installation of the thermostatic expansion valve.
8. Supply and installation of solenoid valves.
9. Supply and installation of two (2) units of high-pressure switch.
10. Supply and installation of one (1) unit low-pressure switch.
11. Leak testing and system re-processing using nitrogen gas.
12. Vacuuming and system dehydration.
13. Replacement of new oil.
14. Charging of refrigerant gas.
15. Check electrical controls.
16. Energized power supply.
17. Integration of the electrical components for the compressor to the existing Variable Frequency Drives
Brand: Delta
Model: VFD055C43A-21

18. Clearing of the working area.
19. Contractor to submit Waste Material Report and Warranty Certificate.

IV. MATERIAL SPECIFICATIONS

<u>QTY</u>	<u>UNIT</u>	<u>DESCRIPTION</u>
1	Unit	SEMI-HERMETIC Compressor “Carrier” Capacity : 20 Tr Voltage : 460 V, 3 Phase Frequency : 60 Hz Refrigerant : R22
1	Lot	Filter Drier
1	Lot	Thermostatic Expansion Valve
1	Lot	Solenoid Valve
2	Units	High Pressure Switch
1	Unit	Low Pressure Switch
8	Tanks	Freon R22
1	Set	Oxy-fuel (Oxyacetylene) Welding and Cutting
1	Lot	Descaling of 2 units wye Strainers
1	Lot	System Reprocess
1	Lot	Integration of new compressor to its VFD controller including parameter setup and fine-tuning

V. CONTRACT DURATION

The project must be completed within thirty (30) calendar days from the receipt of the Purchase Order.

VI. PROJECT WARRANTY

One (1) year against material defects and faulty workmanship.

VII. OTHER RESPONSIBILITIES OF THE SUPPLIER/CONTRACTOR

- a. Must have at least three (3) years' existence in the business.
Similar Contract: Supply of Labor and Materials for the Repair of Air Handling Units
- b. The Contractor shall submit the following requirements:
 1. DTI / SEC Registration Certificate
 2. Mayor's Permit
 3. PhilGEPS Registration Certificate

VIII. RESERVATION CLAUSE

The BTr reserves the right to reject documents that do not comply with the requirements, waive any formalities of documents or consider any submission of documents as substantial compliance reject any and all bids; declare a failure of bidding, annul the bidding process, or not to award the contract, without thereby incurring any liability to the affected bidder or bidders or if the funds/allotment for the program/project/activity has been withheld or reduced through no fault of the BTr.

The BTr assumes no responsibility whatsoever to compensate or indemnify bidders for any expenses incurred in the preparation of the bid.

Submitted by:

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