



BIDS AND AWARDS COMMITTEE

**Bidding for the Supply, Delivery and Installation of Various
Air-Conditioning Units**

SUPPLEMENTAL BID BULLETIN NO. 02

18 July 2024

This Supplemental Bid Bulletin No. 01 is issued to clarify issues in the Bidding Documents. This shall form an integral part of the Bid Documents:

Section VII. Technical Specifications

- **Amended Technical Specifications (Please see attached)**

For guidance and information of all concerned.

Atty. EDELYN A. DUNGAN-CLAUSTRO
BAC Chairperson


Technical Specifications

| Item | Specification | Statement of Compliance |
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| | | <p><i>[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]</i></p> |
| TERMS OF REFERENCE | | |
| TITLE | SUPPLY, DELIVERY AND INSTALLATION OF AIR-CONDITIONING UNITS | |
| I. SCOPE OF WORK AND SERVICES | <ol style="list-style-type: none"> 1. The contractor should conduct pre-inspection and measurement to ensure satisfactory completion of the project. 2. The contractor/installer shall provide technicians, tools, supervision and equipment necessary in the dismantling, removal of existing ACU and in the installation and testing of the new ACU. 3. Before the commencement of the project, the contractor shall undertake a thorough examination in coordination with EGSD, of the areas to avoid difficulties in the implementation of the project that would adversely affect the operation of OWWA. 4. The contractor shall secure necessary Access or Permit to Work and Entry/Exit Pass for the Personnel, materials, and equipment from OWWA before the commencement of the project. 5. The contractor shall assign a senior Installation personnel to supervise the project. | |

| | <ol style="list-style-type: none"> 6. Occupational Health and Safety Standards at the Workplace shall be observed and implemented while at the work site, for its personnel assigned to this project. 7. Works such as fabrication, hot-works, and/or chipping of slab, flooring, and CHB wall, the contractor shall be coordinated with EGSD before specific works can proceed. 8. All electrical installations such layout of conduits, and devices e.g. shall be by the PEC standards and manufacturer's installation guide. 9. Removal and dismantling the old air-conditioning units, indoor and outdoor and shall be turnover to OWWA. 10. Removal and dismantling of the old piping, NEMA, breakers, and wires to be replaced, and shall turnover to OWWA. 11. Install units (indoor and outdoor) shall be properly secured with brackets support. 12. Connect all necessary piping, electrical conduit and wiring, controls, ductwork, condensate, insulation and necessary appurtenances. 13. Proper installation of draining pipe makes sure that it flows continuously. 14. Clean all debris before installing new ones. 15. Use of substandard materials and flexible PVC conduit are not allowed. 16. Materials for the installation of drain pipes shall be in the minimum size of ¾ in. PVC Blue. 17. Restoration of all affected areas by the installation of ACUs. 18. Removal and disposal of all the materials and waste, debris and equipment once the installation of the ACUs and project is completed. 19. Conduct operation and maintenance training to the End-User. | | | | | | | | | |
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| II. SPECIFICATIONS AND LOCATION INSTALLATION | | | | | | | | | | |
| LOT 1 – VARIOUS AIR-CONDITIONING UNIT AND HYBRID AIR-CONDITIONER | | | | | | | | | | |
| <table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: center;">Unit/Office/Location</th> <th style="text-align: center;">Capacity/Technical Specifications</th> </tr> </thead> <tbody> <tr> <td>(1) 1-unit Multi-Purpose Hall, 10th Floor</td> <td rowspan="3"> Floor Mounted – INVERTER 6.0 HP Cooling Capacity – at least 52,500 KJ/HR Power Supply – 230V/60Hz-1Ph Rated Power – at least 5,300 watts Star Rating - 4 Refrigerant – R410A Operating Temperature (Min-Max) – 17-30°C </td> </tr> <tr> <td>(2) 1-unit HRMDD, 3rd Floor</td> </tr> <tr> <td>(3) 1-unit Lobby, Ground Floor</td> </tr> <tr> <td>Total number of units – 3</td> <td></td> </tr> </tbody> </table> | Unit/Office/Location | Capacity/Technical Specifications | (1) 1-unit Multi-Purpose Hall, 10th Floor | Floor Mounted – INVERTER 6.0 HP Cooling Capacity – at least 52,500 KJ/HR Power Supply – 230V/60Hz-1Ph Rated Power – at least 5,300 watts Star Rating - 4 Refrigerant – R410A Operating Temperature (Min-Max) – 17-30°C | (2) 1-unit HRMDD, 3rd Floor | (3) 1-unit Lobby, Ground Floor | Total number of units – 3 | | | |
| Unit/Office/Location | Capacity/Technical Specifications | | | | | | | | | |
| (1) 1-unit Multi-Purpose Hall, 10th Floor | Floor Mounted – INVERTER 6.0 HP Cooling Capacity – at least 52,500 KJ/HR Power Supply – 230V/60Hz-1Ph Rated Power – at least 5,300 watts Star Rating - 4 Refrigerant – R410A Operating Temperature (Min-Max) – 17-30°C | | | | | | | | | |
| (2) 1-unit HRMDD, 3rd Floor | | | | | | | | | | |
| (3) 1-unit Lobby, Ground Floor | | | | | | | | | | |
| Total number of units – 3 | | | | | | | | | | |

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| <p>(1) 1-unit GAS Room, 3rd Floor (2) 1-unit ASMD 4TH Floor (3) 1-unit IAD, 5th Floor (4) 1-unit EGSD, 3rd Floor</p> <p>Total number of units – 4</p> | <p>Floor Mounted – INVERTER 4.0 HP Cooling Capacity – at least 37,000 KJ/HR Power Supply – 230V/60Hz/1Ph Rated Power – at least 3,900 watts Star Rating – 4 Refrigerant – R410A Operating Temperature (Min-Max) – 17-30°C</p> | |
| <p>(1) 1-unit AFMO, 3rd Floor</p> <p>Total number of units – 1</p> | <p>Wall Mounted – INVERTER 2.0 HP Cooling Capacity – at least 18,990 KJ/HR Power Supply – 230V/60Hz/1Ph Rated power – 1,760 watts Star Rating - 5 Refrigerant – R32 Operating Temperature (Min-Max) – 17-30°C</p> | |
| <p>2 – units EGSD</p> <p>Total number of units - 2</p> | <p>Industrial Type Hybrid Air-conditioner Max. Airflow: 9000 cmh Max. Current: 5.3 AMP Max. Power: 1.18 KW Voltage: 220V / 60HZ Refrigerant: R410A Fan Speed: Three (3) Tank Size: 100 Liters</p> | |
| <p>LOT 2 – VARIOUS AIR-CONDITIONING UNITS</p> | | |
| <p>Unit/Office/Location</p> <p>(1) 2-units Multi-Purpose Hall, 10 Floor (2) 1-unit Management and Information System (MISD), 6th Floor (3) 1-unit Repatriation Assistance Division (RAD), 2nd Floor (4) 1-unit Lobby, Ground Floor</p> <p>Total number of units – 5</p> | <p>Capacity/Technical Specifications</p> <p>Floor Mounted – INVERTER 6.0 HP Cooling Capacity – at least 52,500 KJ/HR Power Supply – 230V/60Hz-1Ph Rated Power – at least 5,300 watts Star Rating - 4 Refrigerant – R410A Operating Temperature (Min-Max) – 17-30°C</p> | |

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| <p>(5) 2-units MPC Encoding Rooms 704 & 712, 7th Floor (6) 1-unit Office of DA for Operation (7) 1-unit Accounting Division, 5th Floor (8) 1-unit PPMD, 3rd Floor (9) 1-unit RMD, 3rd Floor (10) 2-units OP Center 2nd Floor (11) 1-unit Lobby, 2nd Floor</p> <p>Total number of units – 9</p> | <p>Floor Mounted – INVERTER 4.0 HP Cooling Capacity – at least 37,000 KJ/HR Power Supply – 230V/60Hz/1Ph Rated Power – at least 3,900 watts Star Rating – 4 Refrigerant – R410A Operating Temperature (Min-Max) – 17-30°C</p> | |
| <p>(2) 1-unit Elevator Machine Room, (3) 1-unit PPDO, 6th Floor (4) 1-unit COA, 5th Floor</p> <p>Total number of units – 3</p> | <p>Window Type – INVERTER 2.0 HP Remote Controlled Cooling Capacity – at least 18,990 KJ/HR Power Supply - 230V/60Hz/1Ph Rated Power – at least 1,400 watts Star Rating - 5 Refrigerant – R32 Operating Temperature (Min-Max) – 17-30°C</p> | |
| <p>(1) 1 unit-Chapel (2) 2-units Office of the DA for AFM, Room 802 & 807 (3) 2-units Room 203</p> <p>Total number of units – 5</p> | <p>Wall Mounted – INVERTER 2.0 HP Cooling Capacity – at least 18,990 KJ/HR Power Supply – 230V/60Hz/1Ph Rated power – 1,760 watts Star Rating - 5 Refrigerant – R32 Operating Temperature (Min-Max) – 17-30°</p> | |
| <p>III. OTHER REQUIREMENTS</p> | <ol style="list-style-type: none"> 1. The project shall include supply of all necessary accessories such power supply lines, circuit breaker, drainage pipes, electrical works, masonry and restoration of all areas affected by the ACU Installation. 2. Must have after sales service technical support available during the warranty period. 3. To submit Warranty Certificate. 4. Air-conditioning units shall be compliant to the Green Public Procurement. | |
| <p>IV. PROJECT DURATION: DELIVERY AND INSTALLATION</p> | <p>Units will be delivered within Fifteen (15) calendar days upon receipt of Notice to Proceed.</p> <p>Installation of units must be made within Thirty (30) calendar days from the delivery of the units.</p> | |

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| <p>V. INSPECTION AND ACCEPTANCE</p> | <p>A. Acceptance shall be based on the testing, performance demonstration and satisfactory working of ACUs;</p> <ol style="list-style-type: none"> 1. Compressor current and cooling temperature shall be tested and demonstrated 2. Run equipment, observe its operation, and read instruments and gauges, including Volt-ohms meters; find out temperature gauges and adjust mechanisms, including valves, pumps, and controls to direct levels of fluid, temperature, and pressure. 3. ACUs will be switched ON and the cooling effect will be checked. 4. ACUs will be switched ON/OFF 10 times in one hour following recommended procedures. 5. The water drain shall be checked by flowing water <p>B. Upon completion and acceptance, all deficiencies identified in the inspection shall be rectify forthwith.</p> | |
| <p>VI. GREEN SPECIFICATIONS (GREEN PUBLIC PROCUREMENT)</p> | <ul style="list-style-type: none"> • The supplier shall supply air conditioners which fulfils at least ENERGY STAR 4.0. • The supplier shall ensure that the products do not contain “controlled refrigerants” as defined under the Ozone Layer Protection Regulation. • The supplier shall ensure that the products are repairable and that replacement parts are available (for minimum of 10 years after end of production; <i>at least 5 years for hybrid airconditioners</i>). • The supplier shall supply the products in recyclable packages and shall provide a packaging take-back service. <p><i>Note: Green Public Procurement does not specifically cover Hybrid Airconditioners.</i></p> | |
| <p>VII. MODE OF PAYMENT</p> | <p>Within thirty (30) calendar days upon completion of delivery and installation.</p> | |
| <p>VIII. WARRANTY</p> | <p>One (1) year from the date of acceptance. Any part or materials installed and workmanship found to be defective within this period will be replaced by contractor free of charge to the OWWA.</p> | |
| <p>IX. APPROVED BUDGET FOR THE CONTRACT</p> | <p>Lot – 1</p> <p>The Approved Budget for the Contract is ONE MILLION TWO HUNDRED THOUSAND PESOS (Php1,200,000.00) from Capital Outlay – FY 2023 Continuing Fund.</p> <p>Lot – 2</p> <p>The Approved Budget for the Contract is TWO MILLION ONE HUNDRED SIXTY THOUSAND PESOS (Php2,160,000.00) from Capital Outlay – FY 2024.</p> |  |