

BID BULLETIN NO. 1 For LBP-HOBAC-ITB-GS-20170605-01

PROJECT

One (1) Lot Supply, Delivery, Installation, Testing and

Commissioning of Various Airconditioning Units at LANDBANK San Jose (N.E.), Alicia, Lopez, Estancia and

Toril Offices

IMPLEMENTOR

:

Procurement Department

DATE

July 13, 2017

This Bid Bulletin is issued to modify, amend or clarify items in the Bid Documents. This shall form an integral part of the Bid Documents.

The modifications, amendments or clarifications are as follows:

The Terms of Reference, Section VI (Schedule of Requirements), Section VII (Specifications) and Checklist of Bidding Documents (Items 5 & 6) have been revised. Please see attached revised Annex C-1 to C-9 and specified sections of the Bidding Documents.

> ALWIN Y. REYES, CSSP Assistant Vice President

Head, Procurement Department and

HOBAC Secretariat

Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

| Item Number | Description | Quantity | Delivery Period and Destination |
|----------------|---|----------|---|
| | One (1) Lot Supply, Delivery, Installation, Testing and Commissioning of Various Airconditioning Units complete with Standard Accessories per Manufacturer's Standards at the following LANDBANK Offices: | | Delivery Period: Please refer to Annexes A-1, B-1, D-1, E-1 and Revised Annex C- 1. |
| 1 | LANDBANK San Jose (N.E.) Branch | | Delivery Sites and Contact Details per |
| | 3.0 TR Split Type, Floor- Mounted (Inverter Type) | 4 units | attached Annex F. |
| | Dismantling of existing units | | |
| 2 | LANDBANK Alicia Branch | | |
| | 3.0 TR Split Type, Floor- Mounted (Inverter Type) | 5 units | |
| | Dismantling of existing units | | |
| 3 | LANDBANK Lopez Extension Office | | |
| | 2.0 TR Split Type, Wall- Mounted (Inverter Type) | 1 unit | |
| | 3.0 TR 4-Way/360° Ceiling Cassette (Inverter Type) | 2 units | |
| 4 | LANDBANK Estancia Extension Office | | |
| | 3.0 TR Split Type, Floor- Mounted (Inverter Type) | 2 units | |
| | 3.0 TR Split Type, Ceiling-Mounted (Inverter Type) | 3 units | |
| | 2.0 TR Split Type, Wall-Mounted (Inverter Type) | 1 unit | |
| 5 | LANDBANK Toril Extension Office | | |
| | 3.0 TR Split Type, Ceiling- Mounted (Inverter Type) | 3 units | |

| Conforme: | | |
|-----------|---|--|
| | | |
| <u></u> | Name of Bidder | |
| | Signature over Printed Name of Authorized Representative | |
| | Position | |

Specifications

| Item No. | Specification | Statement of Compliance |
|-------------|---|--|
| NO. | | Bidders must state below either "Comply" or "Not Comply" against each of the individual parameters of each specification. |
| | | Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid. 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 Bidders 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 provisions of ITB Clause 3.1(a)(ii) and/or GCC Clause 2.1(a)(ii) |
| | One (1) Lot Supply, Delivery, Installation, Testing and Commissioning of Various Airconditioning Units complete with Standard Accessories per Manufacturer's Standards at the following LANDBANK Offices: | Please state here either "Comply" or "Not Comply" |
| 1 | LANDBANK San Jose (N.E.) Branch | |
| | Four (4) units – 3.0 TR Split Type, Floor- Mounted (Inverter Type) | |
| | Dismantling of existing units | |
| 2 | LANDBANK Alicia Branch | |
| | Five (5) units – 3.0 TR Split Type, Floor- Mounted (Inverter Type) | |
| | Dismantling of existing units | |

Please state here either "Comply" or "Not Comply" 3 LANDBANK Lopez Extension Office One (1) unit – 2.0 TR Split Type, Wall- Mounted (Inverter Type) Two (2) units - 3.0 TR 4-Way/360° Ceiling Cassette (Inverter Type) 4 LANDBANK Estancia Extension Office Two (2) units - 3.0 TR Split Type, Floor-Mounted (Inverter Type) Three (3) units - 3.0 TR Split Type, Ceiling-Mounted (Inverter Type) One (1) unit – 2.0 TR Split Type, Wall-Mounted (Inverter Type) 5 LANDBANK Toril Extension Office Three (3) units – 3.0 TR Split Type, Ceiling-Mounted (Inverter Type) Minimum specifications, working drawings and layout per attached Annexes A-1 to A-10 for item 1, B-1 to B-9 for item 2, Revised C-1 to C-9 for item 3. D-1 to D-10 for item 4 and E-1 to E-9 for item 5. The following documents shall be submitted inside the eligibility/technical envelope: a) Copy of purchase orders, contracts or other related documents to prove that the offered brand of ACU has been in the Philippine market for at least ten (10) vears prior to the deadline for the submission of bids. b) List of at least five (5) large institutional clients using the brand being offered by the prospective ACU contractor (with addresses, contact persons telephone numbers). Certificate c) Latest/recent Ωf Satisfactory Performance issued by at least five (5) large institutional clients (e.g. fastfoods, BPOs, hospitals, funeral parlor, banks and government offices) which are using the brand being offered

by the bidder with minimum of four (4)

units installed for each client.

- d) Latest Certificate of Satisfactory Performance issued by the Head of PMED, if the bidder has existing or completed contracts with LANDBANK.
- e) List of at least three (3) highly-trained technicians (regular employees) with their respective bio-data and National Certificate II (NC II) for Refrigeration and Airconditioning Servicing issued by TESDA..
- f) List of 24/7 Customer Contact Center and at least twenty (20) service centers in key cities of the country (with complete addresses and contact numbers), viz:
 - > NCR and Luzon 10
 - > Visayas 5
 - > Mindanao -5
- g) Manufacturer's authorization or back-toback certification to prove that the bidder is an authorized seller/ distributor of the offered product and/ or other supporting documents to satisfy the said requirement.
- h) Brochure, or any other official documents coming from the manufacturer, showing the technical specifications of the offered product.
- i) Print-out of the homepage of manufacturer's website showing the URL (web address).
- j) Bureau of Product Standards (PS), Underwriters Laboratories (UL), European Conformity (CE) or ISO certifications, whichever is available.

Bidders which fail to submit these certifications/documents shall be automatically disqualified.

affix The winning bidder must name and sticker/tag/label with company after-sales contact numbers or equivalent form of marking on each of the airconditioning units.

Please state here either "Comply" or "Not Comply"

| Conforme: | |
|-----------|--------------------------------|
| | |
| _ | Name of Bidder |
| | Signature over Printed Name of |
| | Authorized Representative |
| | Position |

Checklist of Bidding Documents for Procurement of Goods and Services

Documents should be arranged as per this Checklist. Kindly provide folders or guides, dividers and ear tags with appropriate labels.

The Technical Component (First Envelope) shall contain the following:

- 1. Duly notarized Secretary's Certificate attesting that the signatory is the duly authorized representative of the prospective bidder, and granted full power and authority to do, execute and perform any and all acts necessary and/or to represent the prospective bidder in the bidding, if the prospective bidder is a corporation, partnership, cooperative, or joint venture (sample form Form No.7).
- 2. Duly notarized Omnibus sworn statement (sample form Form No.6).
- 3. Eligibility requirements
 - Legal Document
 - 3.a PhilGEPS Certificate of Registration (Platinum Membership)

• Technical / Financial Documents

- 3.b Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid, within the relevant period as provided in the Bidding Documents. The statement shall include all information required in the PBDs prescribed by the GPPB. (sample form Form No. 3). The duly signed form shall still be submitted even if the bidder has no on-going contract.
- 3.c Statement of the prospective bidder identifying its single largest completed contract similar to the contract to be bid, equivalent to at least fifty percent (50%) of the ABC supported with contract/purchase order, end-user's acceptance or official receipt(s) issued for the contract, within the relevant period as provided in the Bidding Documents. The statement shall include all information required in the PBDs prescribed by the GPPB. (sample form Form No. 4).
- 3.d The prospective bidder's computation for its Net Financial Contracting Capacity (sample form Form No. 5).
- 3.e Copy of purchase orders, contracts or other related documents to prove that the offered brand of ACU has been in the Philippine

- market for at least ten (10) years prior to the deadline for the submission of bids.
- 3.f List of at least five (5) large institutional clients using the brand being offered by the prospective ACU contractor (with addresses, contact persons and telephone numbers).
- 3.g Latest/Recent Certificate of Satisfactory Performance issued by at least five (5) large institutional clients (e.g. fastfoods, BPOs, hospitals, funeral parlor, banks and government offices) which are using the brand being offered by the bidder with minimum of four (4) units.
- 3.h Latest Certificate of Satisfactory Performance issued by the Head of PMED, if the bidder has existing or completed contracts with LANDBANK.
- 3.i List of at least three (3) highly-trained technicians (regular employees) with their respective bio-data AND National Certificate II (NC II) for Refrigeration and Airconditioning Servicing issued by TESDA...
- 3.j List of 24/7 Customer Contact Center and at least twenty (20) service centers in key cities of the country (with complete addresses and contact numbers), viz:
 - > NCR and Luzon 10
 - > Visavas 5
 - > Mindanao -5
- 3.k Manufacturer's Authorization or back-to-back certification to prove that the bidder is an authorized seller/ distributor of the offered product and/ or other supporting documents to satisfy the said requirement.
- 3.I Brochure, or any other official documents coming from the manufacturer, showing the technical specifications of the offered product.
- 3.m Print-out of the Homepage of manufacturer's/brand owner's website showing the URL (web address).
- 3.n Bureau of Product Standards (PS), Underwriters Laboratories (UL), European Conformity (CE) or ISO certifications, whichever is available.
- 3.0 Valid joint venture agreement (JVA), in case the joint venture is already in existence. In the absence of a JVA, duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful shall be included in the bid. Failure to enter into a joint venture in the event of a contract award shall be ground for

the forfeiture of the bid security. Each partner of the joint venture shall submit the legal eligibility documents. The submission of technical and financial eligibility documents by any of the joint venture partners constitutes compliance.

- 4. Bid security in the prescribed form, amount and validity period (ITB Clause 18.1 of the Bid Data Sheet);
- 5. Revised Schedule VI Schedule of Requirements with signature of bidder's authorized representative.
- 6. Revised Section VII Specifications with response on compliance and signature of bidder's authorized representative.
- 7. Post-Qualification Documents (Non-submission of these documents during the bid opening shall not be a ground for the disqualification of the bidder):
 - 7.a Business Tax Returns per Revenue Regulations 3-2005 (BIR No. 2550 Q) VAT or Percentage Tax Returns for the last two (2) quarters;
 - 7.b Income Tax Return for 2016

The Financial Component (Second Envelope) shall contain the following:

- 1. Duly filled out Bid Form signed by the bidder's authorized representative (sample form Form No.1)
- 2. Duly filled out Schedule of Prices signed by the bidder's authorized representative (sample form Form No.2)

TERMS OF REFERENCE

A. Name and Description of the Project:

One (1) lot – Supply, Delivery, Installation, Testing and Commissioning of various Split Type Airconditioning Units, complete with standard accessories per manufacturer's standards for LANDBANK Lopez Extension Office.

B. Objective of the Project:

- 1. To properly ventilate the Office area.
- 2. To maintain the corporate image of the Bank;
- 3. To provide a conducive banking and working area;

C. Scope of the Project and Delivery Time/Completion:

| Supply, delivery and installation Installation Schedule Installation Period | Maharlika Highway, Gen. G. Vera St. Corner Calle Anda, Lopez Quezon Split Type Airconditioning Units One (1) unit 2.0 TR Wall Mounted, split type airconditioning unit (Inverter Type) Two (2) unit 3.0 TR 360 Ceiling Cassette, or approved equivalent, split type airconditioning unit (Inverter Type) Installation, testing and commissioning Cleaning-up works and demobilization Installation of drain pipes for two units of 360 Ceiling Cassette or approved equivalent ACU Monday to Sunday or per coordination with end-user/s | | |
|--|--|---------------------------|--|
| | Forty Five (45) calendar days per branch upon receipt of Notice to Proceed (NTP) or availability of project site whichever is applicable | | |
| 4. Documentary Requirements | <u> </u> | | |
| Document | Description | Due Date of Submission | |
| a. Start Up Data Sheet (Annex A) | Duly accomplished form showing the electrical and mechanical parameters of the air-conditioning unit/s | Upon Completion | |
| b. As-built plans (signed and sealed by PME) – 2 sets | Plans showing the locations of air- conditioning units | Upon Completion | |
| c. Schedule of Maintenance/Monitoring Activities | Schedule for preventive maintenance | Upon Completion | |
| d. Warranty Certificate | Warranty Certificate with inclusive date | Upon Completion | |
| e. Guarantee Certificate | Certificate that the spare parts and components including the aftersales services/supports that may be required by the bank to ensure the continuous and normal operation of the equipment shall be available in the next five (5) years from the date of commissioning | Upon Completion | |

| CLASS | D |
|-------|---|
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| 1.5 | | | | <u> </u> |
|-----|------|----------------------|--|--|
| | f. | Manuals | Operation and Preventive Maintenance Manual | Upon Completion |
| | g. | Pictures | Pictures showing angles on the left, front and right | Upon Completion |
| 5. | Trai | ining | Conduct familiarization seminar/training user on the basic concept, functions equipment installed | |
| 6. | Wai | rranty | | |
| | a. | Workmanship and Unit | One (1) year warranty against fa defects on equipment, components an against faulty workmanship to common final turn-over and acceptance docume | nd parts supplied and ence upon receipt of |
| | b. | Compressor | Five (5) years warranty against for defects on equipment, components a commence upon receipt of final turn-documents. | nd parts supplied to |
| | | | All equipment, parts and componed during and within the warranty period replaced without additional cost to the | shall be immediately |
| 7. | Maiı | ntenance | The ACU contractor shall provide the servicing for all installed equipment (checking and general cleaning of the times within the warranty period). To activities and the names of author shall be submitted to the Branch Herepresentative prior to servicing | and its components e unit at least three he schedule of said ized representatives |

D. Technical and Other Specifications/Requirements:

1. Airconditioning Unit

TECHNICAL SPECIFICATIONS FOR 2.0 TR ACU INVERTER TYPE

| Features | | Unit | Specification |
|--------------------------------------|-----|---------------|------------------|
| Fan Coil Application Type | | | Wall Mounted |
| Cooling Capacity | | BTU/Hr(kJ/Hr) | 24,000 max |
| Power Supply | | V-Hz. | 208/230 min - 60 |
| Phase | | Ph | Single |
| Energy Efficiency Ratio (EER) System | | BTU/W-Hr | |
| | | (Kj-W/H) | 11.6 min |
| System Power Input | | Watts | 2,380 max |
| FCU+CDU (System Current) | | Ampere | 10.9 max |
| INDOOR U | NIT | | |
| Air-Flow (low/medium/high) | | CFM | 1040 min |
| Sound Pressure Level(low/med/high) | | dB(A) | 49 max |

| ** | | V 1007 12 April 10 |
|--------------------|----------|------------------------|
| OUTDOOR UNIT | <i>-</i> | |
| Compressor Type | | Rotary |
| Condenser Fan Type | · | Flare Type |
| Refrigerant | | R-410a |
| Filters | | Anti-fungal/Anti virus |
| Controls | | Remote with LCD |
| Louvers | | motorized |
| Warranty | Year | 1 |

PROPOSED TECHNICAL SPECIFICATIONS FOR 3.0 TR CEILING CASSETTE ACU (INVERTER TYPE)

| Features | Unit | |
|--------------------------------------|---------------|---|
| Fan Coil Application Type | | 360 Ceilling Cassette, or approved equivalent |
| Cooling Capacity | BTU/Hr(kJ/Hr) | 36,000 min |
| Power Supply | V-Hz. | 220/240-60 |
| Phase | Ph | single |
| Energy Efficiency Ratio (EER) System | BTU/W-Hr | 9.81 |
| - | (Kj-W/H) | |
| System Power Input | Watts | 3670 max |
| FCU+CDU (System Current) | Ampere | 16.2 max |
| INDOOR UNIT | | |
| Air-Flow @ medium | CMM | 25.50 max |
| Sound Pressure Level(low/med/high) | dB(A) | 50 max |
| OUTDOOR UNIT | | |
| Compressor Type | | Twin BLDC Rotary |
| Refrigerant | | R-410A |
| Filters | | Anti-fungal/Anti virus |
| Controls | | Remote |
| Warranty | Years | 5 |

2. Piping, Electrical and Accessories

- a. Refer to Annex B for refrigerant pipe insulation detail, schematic piping diagram and electrical riser diagram;
- b. Refrigerant piping shall be TYPE-M, Hard Drawn Seamless Copper using the standard pipe size recommended by the manufacturer;
- c. Pipes shall be anchored, plumbed and parallel to the building's vertical and horizontal lines. Pipe hangers and supports shall be of the type as specified. Pipe sleeves thru walls and wall penetrations, roofs and floors shall be provided by the supplier/installer. The gap between the pipe and the pipe sleeves must be provided with water proofing and sealant;
- d. All piping shall be leak tested with pressure of at least 1.5 times the designed working pressure;
- e. Refrigerant suction line shall be insulated with pre-molded elastomeric rubber insulation 15 mm thick for 3.0 TR and below, and 25 mm thick for 5.0 TR up to 10 TR. Insulation installed outdoor shall be provided with weatherproof coating;

CLASS D

- f. Without add all cost to the bank, the supplier/inst r shall supply and install the following components/parts if not included in the unit's standard accessories (for split-type units with capacities of 2.0 TR and above)
 - Liquid Line Filter Drier, Flare-type
 - Magnetic Contactor with External Thermal Overload
 - On-Delay Timer
 - Plug-in type High and Low Pressure Switches
- g. Provide NEMA type, UL listed bolt-on circuit breakers for FCU and ACCU
- h. Use EMT for electrical pipes and stranded THHN wires for feeder lines;
- i. Use color blue, schedule 40 PVC pipe for drain lines using the appropriate size recommended by the manufacturer, but not less than ¾ inches in diameter.

3. Other Requirements:

- a. Prospective ACU contractors are encouraged to inspect, verify and assess the existing condition, location and details of the project;
- b. All equipment, units and parts/components to be supplied shall be brand new, clean and approved products of reputable manufacturers;
- c. All works shall conform to the provisions (latest edition) of the Philippine Mechanical, Electrical and Building Codes, the Clean Air Act, Environmental Laws and other applicable laws and regulations;
- d. In line with the Bank's Environmental Management System (EMS) program and being an ISO 14001 certified institution, the winning ACU contractor is required to use appropriate equipment, hand tools and personal protective gears and equipment (gloves, rubber boots, masks, etc.) during the installation, repair or maintenance activities;
- e. All equipment shall be installed in approximate location as shown in the mechanical plans;
- f. Any proposed change or deviation from the original mechanical plans or specifications either initiated by the ACU contractor, the end-user or due to actual site condition, must be submitted to LBP-PMED in the form of shop drawing for approval prior to implementation;
- g. The winning ACU contractor should coordinate his works closely with the works of other trades concerned;
- h. Installation of works shall be done in neat workmanship and like manners. All improperly set works, rough finishes or other works not in accordance with the approved plans and specifications as determined by the LBP-PMED engineer or technical representatives shall be removed and replaced within seven (7) calendar days by the ACU contractor at no extra cost;
- No existing/old materials shall be re-used; e.g., circuit breakers, electrical and mechanical controls, materials and components, refrigerant pipes, fittings, insulations, etc., unless otherwise specified in the scope of works or technical specifications;
- j. The ACU contractor shall provide all the necessary components or accessories, e.g., brackets, pedestals, clamps, fasteners, air deflectors, etc., to ensure the safe, normal and efficient operation of the installed ACUs;
- k. The ACU contractor shall properly account and turn-over all dismantled/replaced materials to the branch head or its authorized representative/s;
- I. The ACU contractor shall exercise extreme caution and be responsible in the delivery, safe hauling/transfer of supplies, tools, equipment and/or chemicals to prevent damage to bank properties and employees. The corresponding cost to repair or replace the bank equipment, facilities or including part and components damaged or lost by the ACU contractor or its workers during the course of the project shall be deductible/chargeable to the ACU contractor;
- m. The ACU contractor shall be liable for any harm, damage or injury that may be sustained or suffered by its own crew/workers while in the performance of their duties/job under this project;

E. Qualification and Documentary Requirements:

| <u> </u> | | Qualification Requirement | Documentary Requirement |
|----------|----|--|---|
| ļ | 1 | | Copy of purchase orders, contracts or other |
| | 1. | The quoted brand of prospective ACU contractor shall be in the | related documents to prove that the offered |
| | | | brand of ACU has been in the Philippine |
| | | Philippine market for a minimum of | market for at least ten (10) years prior to |
| | | ten (10) years. | deadline for the submission of bids. |
| | | The ACULA In the state of the s | |
| | 2. | The ACU contractor shall provide | a. List of at least five (5) large institutional clients using the brand being offered by |
| | | Satisfactory Service to its | |
| | | customers. | the prospective ACU contractor (with |
| | | | addresses, contact persons and telephone |
| | | | numbers). |
| | | | b. Certificate of satisfactory performance |
| | | | issued by at least 5 large institutional |
| | | | clients (e.g. fastfoods, BPOs, hospitals, |
| | | | funeral parlor, banks and government |
| | | i [*] | offices) using the brand being offered by |
| | | | the prospective ACU contractor (with |
| | | | minimum of 4 units installed). |
| | | | c. Latest Certificate of Satisfactory |
| | | | Performance issued by the Head of |
| | | | PMED, if the bidder has existing or |
| | | | completed contracts with LANDBANK |
| | 3. | The ACU contractor shall have | List of at least 3 highly trained technicians |
| | | highly trained technicians who are | (regular employees) with their respective |
| ł | | its regular employees. | bio-data and National Certificate II (NC II) |
| | | | for Refrigeration and Airconditioning |
| <u> </u> | | | Servicing issued by TESDA |
| | 4. | The quoted brand should have a | List of 24/7 Customer Contact Center and at |
| | | nationwide network of service | least twenty (20) service centers in key |
| | | centers with 24/7 Customer | cities of the country (with complete |
| | | Contact Center. | addresses and contact numbers), viz: |
| | | | a. NCR and Luzon - 10 |
| | | | b. Visayas – 5 |
| | | 7. 1011 | c. Mindanao - 5 Manufacturer's Authorization or Back-to- |
| | 5. | The ACU contractor must be an | |
| | | authorized distributor of the | an authorized seller/ distributor of the |
| | | offered product. | offered product and/or other supporting |
| | | | |
| | | | documents to satisfy the said requirements. Brochure or any other official documents |
| 1 | 6. | The offered product must have | |
| | | brochures showing the product | coming from the manufacturer showing the |
| | | complete specifications. | technical specifications of the offered |
| | | | product Drint out of the Homenage of manufacturer's |
| | 7. | The specifications of the offered | Print-out of the Homepage of manufacturer's |
| | | product shall be verifiable from the | |
| | | website of the manufacturer. | (web address). Bureau of Product Standards (PS), |
| | 8. | | |
| | | manufacturer must be authorized | Underwriters Laboratories (UL), European |
| | | and certified by the approving/governing body. | Conformity (CE) or ISO certifications, whichever is available. |
| 1 | | | L Whichovor ic avallania |

F. Payment Terms:

- 1. Request for payment for every completed project/installation shall be entertained after the final turn-over and acceptance of the project and upon submission of complete billing documents required by the Procurement Department;
- 2. Partial payment is allowed based on completed project.

Prepared by:

MELVIN C. ATIENZA Engineer, PMED- SLBG

Endorsed by:

Ma. JE\$USA R AQUINO Acting-Head, PDMU South Reviewed by:

Ma. VICTORIA B. BERNARDO

Team Leader, SLBG

Approved by:

ALEXANDER S. LA

Head,/PMEØ

CLASS D

ANNEX A

P.O. NO. _____

LANDBANK OF THE PHILIPPINES

NAME OF THE BRANCH

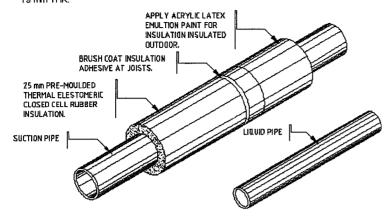
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

| LOCATION : | | | | |
|---|---------------------------|--|--|------------------|
| DATE : STORE ZUP DATA SHEET. | | | | |
| | | | | SUPPLIER'S DATA: |
| Name of Supplier: | | | | |
| Address: | Tol No : | | | |
| Contact Person: | Tenivo | | | |
| INSTALLATION DATA: | • | | | |
| Technician In-charge: Date Finished: | Accreditation No: | | | |
| | | | | |
| FCU Model No: ACCU | Model No: | | | |
| FCU Serial No: ACCU | Serial No: | | | |
| OPERATING DATA: | | | | |
| Suction Line Temperature: | Suction Line Pressure: | | | |
| Discharge Line Temperature: | | | | |
| FCU Intake Air Temperature: | | | | |
| ACCU Intake Air Temperature: | ACCU Discharge Air Temp.: | | | |
| Room Temperature: | | | | |
| ELECTRICAL PARAMETERS: | | | | |
| | 12-13- 13-11- | | | |
| Power Supply (Voltage), L1-L2: L2 Overall Ampere Readings, L1: L2 | 13: | | | |
| Current Draws, Compressor: ACCU Fan Mo | tor: FCU Fan Motor: | | | |
| | · | | | |
| OTHER INSTALLATION DATA | | | | |
| Refrigerant Piping: | Inculation Thickness: | | | |
| Suction Diameter: Length: Discharge Diameter: Length: | Insulation Thickness. | | | |
| | _ Insulation Thickness | | | |
| Drain Line: | Inculation Thicknoon | | | |
| Drain Line Diameter: Length: Electrical Lines: | _1113ulau011 111lcN1lc33 | | | |
| Feeder Line Conduit Diameter: Feeder Line | Mira Siza: Lanath: | | | |
| | | | | |
| Control Line Conduit Diameter: Control Line Circuit Breaker: | vviie SizeLeilgui | | | |
| | | | | |
| Technician's Signature over Printed Name: | | | | |

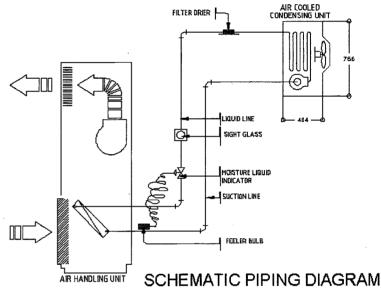


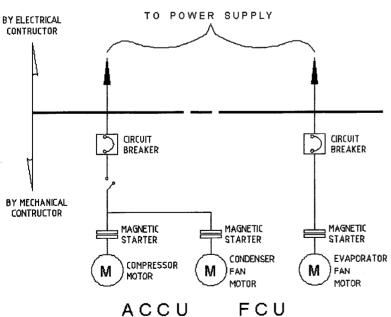
NOTE:

- 1. ADHESIVE AND LATEX PAINT SHOULD BE COMPATIBLE TO INSULATION USED.
- CONDENSATE DRAIN PIPE INSULATION SHALL BE OF SIMILAR MATERIAL BUT 19 mm THK.



REFRIGERANT PIPE INSULATION DETAIL



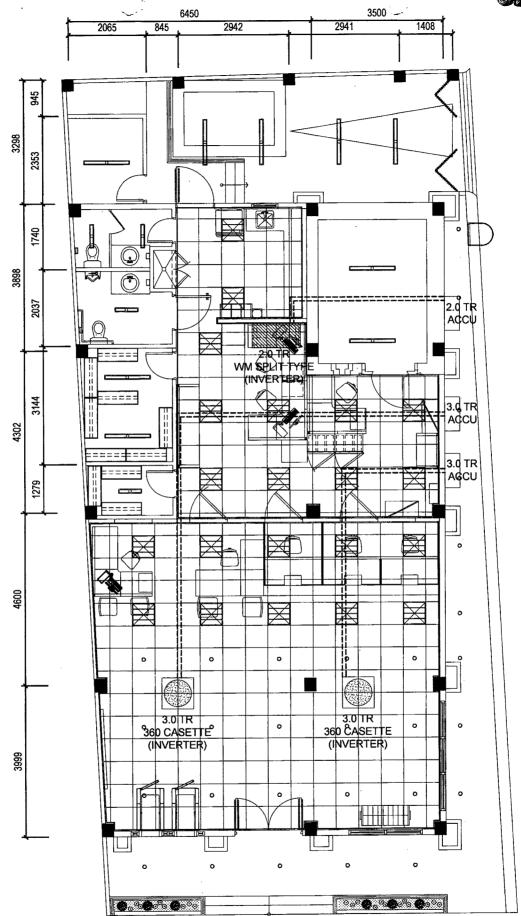


ELECTRICAL RISER DIAGRAM

Page 8 of 8

REVUED ANNLY

1-8



1 ACCU LAYOUT
E-3 SCALE 1:100 METERS

WHEZ F.O.

pervied annly C-Q