

PHILIPPINE BIDDING DOCUMENTS



**Name of Project/Location : Upgrading of
Electrical System and Installation of
Airconditioning Units at Caniogan
Barangay Hall, Kalinangan St., Brgy.
Caniogan, Pasig City (REBID)**

Approved Budget for the Contract: P 6,736,792.11

Government of the Republic of the Philippines

**Sixth Edition
July 2020**

Preface

These Philippine Bidding Documents (PBDs) for the procurement of Infrastructure Projects (hereinafter referred to also as the “Works”) through Competitive Bidding have been prepared by the Government of the Philippines for use by all branches, agencies, departments, bureaus, offices, or instrumentalities of the government, including government-owned and/or -controlled corporations, government financial institutions, state universities and colleges, local government units, and autonomous regional government. The procedures and practices presented in this document have been developed through broad experience, and are for mandatory use in projects that are financed in whole or in part by the Government of the Philippines or any foreign government/foreign or international financing institution in accordance with the provisions of the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

The PBDs are intended as a model for admeasurements (unit prices or unit rates in a bill of quantities) types of contract, which are the most common in Works contracting.

The Bidding Documents shall clearly and adequately define, among others: (i) the objectives, scope, and expected outputs and/or results of the proposed contract; (ii) the eligibility requirements of Bidders; (iii) the expected contract duration; and (iv) the obligations, duties, and/or functions of the winning Bidder.

Care should be taken to check the relevance of the provisions of the PBDs against the requirements of the specific Works to be procured. If duplication of a subject is inevitable in other sections of the document prepared by the Procuring Entity, care must be exercised to avoid contradictions between clauses dealing with the same matter.

Moreover, each section is prepared with notes intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They shall not be included in the final documents. The following general directions should be observed when using the documents:

- a. All the documents listed in the Table of Contents are normally required for the procurement of Infrastructure Projects. However, they should be adapted as necessary to the circumstances of the particular Project.
- b. Specific details, such as the “*name of the Procuring Entity*” and “*address for bid submission*,” should be furnished in the Instructions to Bidders, Bid Data Sheet, and Special Conditions of Contract. The final documents should contain neither blank spaces nor options.
- c. This Preface and the footnotes or notes in italics included in the Invitation to Bid, BDS, General Conditions of Contract, Special Conditions of Contract, Specifications, Drawings, and Bill of Quantities are not part of the text of the final document, although they contain instructions that the Procuring Entity should strictly follow.
- d. The cover should be modified as required to identify the Bidding Documents as to the names of the Project, Contract, and Procuring Entity, in addition to date of issue.

- e. Modifications for specific Procurement Project details should be provided in the Special Conditions of Contract as amendments to the Conditions of Contract. For easy completion, whenever reference has to be made to specific clauses in the Bid Data Sheet or Special Conditions of Contract, these terms shall be printed in bold typeface on Sections I (Instructions to Bidders) and III (General Conditions of Contract), respectively.
- f. For guidelines on the use of Bidding Forms and the procurement of Foreign-Assisted Projects, these will be covered by a separate issuance of the Government Procurement Policy Board.

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Glossary of Terms, Abbreviations, and Acronyms

ABC – Approved Budget for the Contract.

ARCC – Allowable Range of Contract Cost.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

CDA – Cooperative Development Authority.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

Contractor – is a natural or juridical entity whose proposal was accepted by the Procuring Entity and to whom the Contract to execute the Work was awarded. Contractor as used in these Bidding Documents may likewise refer to a supplier, distributor, manufacturer, or consultant.

CPI – Consumer Price Index.

DOLE – Department of Labor and Employment.

DTI – Department of Trade and Industry.

Foreign-funded Procurement or Foreign-Assisted Project – Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PCAB – Philippine Contractors Accreditation Board.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

UN – United Nations.



Section I. Invitation to Bid

Invitation to Bid for *Upgrading of Electrical System and Installation of Airconditioning Units at Caniogan Barangay Hall, Kalinangan St., Brgy. Caniogan, Pasig City (REBID).*

1. The City Government of Pasig, through the Annual or Supplemental Budget, as approved by the Sanggunian intends to apply the sum of **PHP 6,736,792.11** being the Approved Budget for the Contract (ABC) to payments under the contract **Upgrading of Electrical System and Installation of Airconditioning Units at Caniogan Barangay Hall, Kalinangan St., Brgy. Caniogan, Pasig City (REBID)**. Bids received in excess of the ABC for each lot shall be automatically rejected at bid opening.
2. The City Government of Pasig now invites bids for the above Procurement Project. Completion of the Works is required **120 calendar days**. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Interested bidders may obtain further information from City Government of Pasig and inspect the Bidding Documents at the address given below from 8:00 A.M. to 5:00 P.M. office hours.
5. A complete set of Bidding Documents may be acquired by interested bidders on **September 8, 2023** from given address and website/s below *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of PHP 10,000.00*. The Procuring Entity shall allow the bidder to present its proof of payment for the fees presented in person.
6. The City Government of Pasig will hold a Pre-Bid Conference¹ on **September 15, 2023, 1:30 P.M.**, at **7th Floor Meeting Room, Pasig City Hall** which shall be open to prospective bidders.
7. Bids must be duly received by the Procurement Management Office (BAC Secretariat Office) through manual submission at the office address as indicated below, **on or before 9:30 A.M. of September 27, 2023**. Late bids shall not be accepted.
8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 16.

9. Bid opening shall be on September 27, 2023 at 10:00 A.M. at the given address below 7th Floor Meeting Room, Pasig City Hall. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The address for submission of bids is at the Procurement Management Office (BAC Secretariat Office), 4th Floor Pasig City Hall Caruncho Avenue, San Nicolas Pasig City. The deadline for submission of bids is on or before 9:30 A.M. of September 27, 2023.

Each Bidder shall submit **ONE (1) SEALED MOTHER ENVELOPE** containing:

1. ORIGINAL (SEALED AND LABELED)

- 1.1. Hard Copy Original Technical Components and
- 1.2. Hard Copy Original Financial Components and
- 1.3 One (1) **USB Flash Drive** containing scanned P.D.F. Documents of the Original Technical Components and Original Financial Components.

2. COPY 1 (SEALED AND LABELED)

- 2.1. One (1) **USB Flash Drive** or **CD** sealed and labeled as "**COPY 1**" containing scanned P.D.F Documents of Technical and Financial Components.
11. The **City Government of Pasig** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
12. For further information, please refer to:

ATTY. PONCE MIGUEL D. LOPEZ
Officer in Charge, Procurement Management Office
CITY GOVERNMENT OF PASIG
Procurement Management Office, 4th Floor, Pasig City Hall,
Caruncho Ave., San Nicolas Pasig City
bidсандawards@pasigcity.gov.ph
8643-1111 loc. 1461

13. You may visit the following websites:

PS-Philgeps Website
Pasig City Website

September 8, 2023

ATTY. JOSEPHINE C. LATI-BAGAOISAN
BAC Chairperson

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, **City Government of Pasig** invites Bids for the **Upgrading of Electrical System and Installation of Airconditioning Units at Caniogan Barangay Hall, Kalinangan St., Brgy. Caniogan, Pasig City (REBID)**, with Project Identification Number **PB-09-27-2023-01**.

[Note: The Project Identification Number is assigned by the Procuring Entity based on its own coding scheme and is not the same as the PhilGEPS reference number, which is generated after the posting of the bid opportunity on the PhilGEPS website.]

The Procurement Project (referred to herein as “Project”) is for the construction of Works, as described in Section VI (Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for **CY 2023** in the amount of **PHP 6,736,792.11**.

2.2. The source of funding is:

LGUs, the Annual or Supplemental Budget, as approved by the Sanggunian.

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manual and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or invitation to bid by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have inspected the site, determined the general characteristics of the contracted Works and the conditions for this Project, such as the location and the nature of the work; (b) climatic conditions; (c) transportation facilities; (c) nature and condition of the terrain, geological conditions at the site communication facilities, requirements, location and availability of construction aggregates and other materials, labor, water, electric power and access roads; and (d) other factors that may affect the cost, duration and

execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices

The Procuring Entity, as well as the Bidders and Contractors, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “T” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. The Bidder must have an experience of having completed a Single Largest Completed Contract (SLCC) that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC adjusted, if necessary, by the Bidder to current prices using the PSA’s CPI, except under conditions provided for in Section 23.4.2.4 of the 2016 revised IRR of RA No. 9184.

A contract is considered to be “similar” to the contract to be bid if it has the major categories of work stated in the **BDS**.

- 5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

6. Origin of Associated Goods

There is no restriction on the origin of Goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN.

7. Subcontracts

- 7.1. The Procuring Entity has prescribed that:
 - a. Subcontracting is not allowed.
- 7.2. Subcontracting of any portion of the Project does not relieve the Contractor of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its

agents, servants, or workmen as fully as if these were the Contractor's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents Comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.
- 10.3. A valid PCAB License is required, and in case of joint ventures, a valid special PCAB License, and registration for the type and cost of the contract for this Project. Any additional type of Contractor license or permit shall be indicated in the **BDS**.
- 10.4. A List of Contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen) assigned to the contract to be bid, with their complete qualification and experience data shall be provided. These key personnel must meet the required minimum years of experience set in the **BDS**.
- 10.5. A List of Contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, must meet the minimum requirements for the contract set in the **BDS**.

11. Documents Comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 11.2. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.3. For Foreign-funded procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Alternative Bids

Bidders shall submit offers that comply with the requirements of the Bidding Documents, including the basic technical design as indicated in the drawings and specifications. Unless there is a value engineering clause in the **BDS**, alternative Bids shall not be accepted.

13. Bid Prices

All bid prices for the given scope of work in the Project as awarded shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances as determined by the NEDA and approved by the GPPB pursuant to the revised Guidelines for Contract Price Escalation guidelines.

14. Bid and Payment Currencies

- 14.1. Bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 14.2. *Payment of the contract price shall be made in:*
 - a. Philippine Pesos

15. Bid Security

- 15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 15.2. The Bid and bid security shall be valid until **120 calendar days**. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission to the given website or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

17. Deadline for Submission of Bids

The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

18. Opening and Preliminary Examination of Bids

18.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

18.2. The preliminary examination of Bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*" using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of 2016 revised IRR of RA No. 9184.

19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 16 shall be submitted for each contract (lot) separately.

19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

20. Post Qualification

Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS), and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

INSTRUCTION TO BIDDERS

PROJECT : Upgrading of Electrical System and Installation of Airconditioning Units
at Caniogan Barangay Hall, Kalinangan St., Brgy. Caniogan, Pasig City(REBID)

DATE : September 8, 2023

This shall form an integral part of the Bid Documents.

1. Bidders are requested to organize and submit their bids on the following requirements:

1. *Submit First (1st) Envelope containing one (1) hardcopy of the ORIGINAL Technical Component, including the Eligibility Requirements. 1st Envelope shall be sealed and labeled as "ORIGINAL TECHNICAL COMPONENT".*
2. *Submit Second (2nd) Envelope containing one (1) hard copy of the ORIGINAL Financial Component. 2nd Envelope shall be sealed and labeled as "ORIGINAL FINANCIAL COMPONENT".*
3. *Submit USB Flash Drive containing one (1) soft/scanned copy of the ORIGINAL Technical Component and Financial Component;*
***Note:** The 1st Envelope, 2nd Envelope and the USB flash drive containing the soft/scanned copy of the original technical and financial components shall be enclosed in a single envelope, sealed and labeled as "ORIGINAL BID".*
4. *Submit USB Flash Drive containing one (1) soft/scanned copy of the Technical Component and Financial Component. USB flash drive shall be enclosed in a separate envelope, sealed and labeled as "COPY1".*
5. *The "ORIGINAL BID" and "COPY 1" envelopes shall be enclosed in a single MOTHER ENVELOPE sealed and properly labeled.*

**Sections of the bid shall be separated by dividers, proper tabs;*

**NO scratch papers.*

All envelopes (1st Envelope, 2nd Envelope, Original Bid Envelope, Copy 1 Envelope and Mother Envelope) shall be labeled as follows:

- Addressed to the procuring entity’s BAC Chairperson
 - Name of the project/contract to be bid
 - Name, address and contact details of the bidder
 - “DO NOT OPEN BEFORE <bid opening date and time>”
- ✓ Unsealed or unmarked bid envelopes shall be rejected. However, bid envelopes that are not properly sealed and marked, as required in the bidding documents, shall be accepted, provided that the bidder or its duly authorized representative shall acknowledge such condition of the bid as submitted. The Procuring Entity shall not be responsible for misplaced Bidding Documents and premature opening.

BIDDING DOCUMENTS AVAILABILITY AND FEE

- Bidding Documents:
 - September 8, 2023 to September 27, 2023 until 9:30 A.M.
 - 8:00 am to 5:00 pm and upon payment of applicable fees for the Bidding Documents at the City Treasurer’s Office.
- Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.
- Standard rates for bidding documents

Approved Budget for the Contract	Maximum Cost of Bidding Documents
500,000 and below	P500.00
More than 500,000 up to 1 million	1,000.00
More than 1 million up to 5 million	5,000.00
More than 5 million up to 10 million	10,000.00
More than 10 million up to 50 million	25,000.00
More than 50 million up to 500 million	50,000.00
More than 500 million	75,000.00

INSTRUCTION TO BIDDERS ON PAYMENT OF BIDDING DOCUMENTS

- Secure Order of Payment for the bidding documents at the Procurement Management Office, 4th Floor Pasig City Hall.

- Proceed to City Treasurer's Office, 1st Floor Pasig City Hall for the payment of bidding documents.
- Mode of payment: Cashier Manager's/Cashier's Check payable to City Government of Pasig
 - **Personal Check shall not be accepted.**
- Present the Official Receipt to the BAC Secretariat's Office for the release of the complete Set of bidding documents.

REMINDERS:

- The deadline for the submission of bid is on **September 27, 2023** at 9:30 AM at the Procurement Management Office, 4th Floor Pasig City Hall, Caruncho Ave., San Nicolas Pasig City. The digital clock at the Procurement Management Office that is set to the Philippine Time (PhST) shall be used as reference in determining the time for the submission of bids, Hence participating bidders are advised to synchronize their timepiece with the said digital clock. **Late bids or those who submitted after 9:30 AM of September 27, 2023 shall not be accepted.**
- Bidders may submit their bid documents days ahead of the deadline for the submission in order to avoid late submission.
- Bid opening shall be on **September 27, 2023** at 10:00 AM at 7th Floor Meeting Room, Pasig City Hall, Caruncho Ave., San Nicolas Pasig City. Bids will be opened in the presence of the bidders' representatives who choose to attend.
- All licenses, permits and other required clearances should be valid at the time of the submission of bids, Post-Qualification Evaluation and signing of the contract.

- *The BAC expects the bidders to exercise due diligence in going through the bid documents so that they can prepare their bids intelligently.*
- *The Bids and Awards Committee will still continue to implement social distancing and shall require only one (1) Representative per company.*
- All attendees will be subjected to thermal scan prior to entry of the venue and shall:
 1. Wear medical face mask and face shield at all times–**“No Mask No Entry”**
 2. Bring black ballpen
 3. Bring alcohol

Please be reminded that all queries after the issuance of Bid Bulletin will not be entertained.

ATTY. JOSEPHINE C. LATI-BAGAOISAN
BAC Chairperson

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause																					
5.2	<p>For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be:</p> <p><u>Upgrading of Electrical System and Installation of Airconditioning Units except under conditions provided under the rules (Contractors under Small A and Small B categories without similar experience on the contract to be bid may be allowed to bid if the cost of such contract is not more than the Allowable Range of Contract Cost (ARCC) of their registration based on the guidelines as prescribed by the PCAB).</u></p>																				
7.1	Subcontracting is not allowed.																				
10.3	A valid Philippine Contractors Accreditation Board (PCAB) license and registration for Size Range – <u>Small B- Building and Industrial Plant</u> License at least Category: <u>General Building- C & D</u>																				
10.4	<p>The key personnel must meet the required minimum years of experience set below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">KEY PERSONNEL</th> <th style="text-align: center;">QTY</th> <th style="text-align: center;">GENERAL EXPERIENCE</th> <th style="text-align: center;">RELEVANT EXPERIENCE</th> </tr> </thead> <tbody> <tr> <td>Electrical Engineer</td> <td style="text-align: center;">1</td> <td>At least one (1) year experience on construction</td> <td>At least one (1) year experience on electrical rehabilitation/ upgrading works</td> </tr> <tr> <td>Mechanical Engineer</td> <td style="text-align: center;">1</td> <td>At least one (1) year experience on construction</td> <td>At least one (1) year experience on mechanical works</td> </tr> <tr> <td>Electrician/ Aircon Technician</td> <td style="text-align: center;">2</td> <td>At least one (1) year experience on construction</td> <td>At least one (1) year experience on electrical, aircon installation, and repair works</td> </tr> <tr> <td>Laborer</td> <td style="text-align: center;">5</td> <td>Not required</td> <td>Not required</td> </tr> </tbody> </table>	KEY PERSONNEL	QTY	GENERAL EXPERIENCE	RELEVANT EXPERIENCE	Electrical Engineer	1	At least one (1) year experience on construction	At least one (1) year experience on electrical rehabilitation/ upgrading works	Mechanical Engineer	1	At least one (1) year experience on construction	At least one (1) year experience on mechanical works	Electrician/ Aircon Technician	2	At least one (1) year experience on construction	At least one (1) year experience on electrical, aircon installation, and repair works	Laborer	5	Not required	Not required
KEY PERSONNEL	QTY	GENERAL EXPERIENCE	RELEVANT EXPERIENCE																		
Electrical Engineer	1	At least one (1) year experience on construction	At least one (1) year experience on electrical rehabilitation/ upgrading works																		
Mechanical Engineer	1	At least one (1) year experience on construction	At least one (1) year experience on mechanical works																		
Electrician/ Aircon Technician	2	At least one (1) year experience on construction	At least one (1) year experience on electrical, aircon installation, and repair works																		
Laborer	5	Not required	Not required																		
10.5	<p>The minimum major equipment requirements are the following:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Capacity</u></th> <th style="text-align: left;"><u>Number of Units</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">EQUIPMENT</td> <td style="text-align: center;">QUANTITY</td> <td style="text-align: center;">UNIT</td> </tr> <tr> <td>Electrical tools</td> <td style="text-align: center;">7</td> <td style="text-align: center;">sets</td> </tr> <tr> <td>Multimeter</td> <td style="text-align: center;">1</td> <td style="text-align: center;">unit</td> </tr> <tr> <td>Insulator tester/ Megger</td> <td style="text-align: center;">1</td> <td style="text-align: center;">unit</td> </tr> </tbody> </table>	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>	EQUIPMENT	QUANTITY	UNIT	Electrical tools	7	sets	Multimeter	1	unit	Insulator tester/ Megger	1	unit					
<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>																			
EQUIPMENT	QUANTITY	UNIT																			
Electrical tools	7	sets																			
Multimeter	1	unit																			
Insulator tester/ Megger	1	unit																			

	Ground Resistance Tester	1	unit
12	No further instructions.		
15.1	<p>The bid security shall be in the form of a <i>Bid Securing Declaration</i> or any of the following forms and amounts:</p> <p>a. The amount of not less than <i>2% of ABC</i>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than <i>5% of ABC</i> if bid security is in Surety Bond.</p>		
19.2	No further instructions.		
20	<p>The following licenses/s and permit/s shall be required:</p> <ol style="list-style-type: none"> 1. Registration certificate form Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives of its equivalent document 1. Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located. 2. Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR) 3. Valid PCAB License Category: <u>General Building-C & D</u> and Registration of at least <u>Small B- Building and Industrial Plant</u> 4. The prospective bidder's audited financial statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission. 5. Latest income and business tax returns 6. Valid licenses issued by the Professional Regulatory Commission (PRC); <p>No other acceptable proof of registration is recognized.</p>		
21	<p>Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, such as construction schedule and PERT/CPM S-curve, manpower schedule, construction methods, equipment utilization schedule, construction safety and health program approved by the DOLE, and other acceptable tools of project scheduling.</p>		

Section IV. General Conditions of Contract

1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

2. Sectional Completion of Works

If sectional completion is specified in the **Special Conditions of Contract (SCC)**, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date shall apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

3. Possession of Site

3.1 The Procuring Entity shall give possession of all or parts of the Site to the Contractor based on the schedule of delivery indicated in the **SCC**, which corresponds to the execution of the Works. If the Contractor suffers delay or incurs cost from failure on the part of the Procuring Entity to give possession in accordance with the terms of this clause, the Procuring Entity's Representative shall give the Contractor a Contract Time Extension and certify such sum as fair to cover the cost incurred, which sum shall be paid by Procuring Entity.

3.2 If possession of a portion is not given by the above date, the Procuring Entity will be deemed to have delayed the start of the relevant activities. The resulting adjustments in contract time to address such delay may be addressed through contract extension provided under Annex "E" of the 2016 revised IRR of RA No. 9184.

4. The Contractor's Obligations

The Contractor shall employ the key personnel named in the Schedule of Key Personnel indicating their designation, in accordance with **ITB** Clause 10.3 and specified in the **BDS**, to carry out the supervision of the Works.

The Procuring Entity will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are equal to or better than those of the personnel listed in the Schedule.

5. Performance Security

- 5.1. Within ten (10) calendar days from receipt of the Notice of Award from the Procuring Entity but in no case later than the signing of the contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR.
- 5.2. The Contractor, by entering into the Contract with the Procuring Entity, acknowledges the right of the Procuring Entity to institute action pursuant to RA No. 3688 against any subcontractor be they an individual, firm, partnership, corporation, or association supplying the Contractor with labor, materials and/or equipment for the performance of this Contract.

6. Site Investigation Reports

The Contractor, in preparing the Bid, shall rely on any Site Investigation Reports referred to in the SCC supplemented by any information obtained by the Contractor.

7. Warranty

- 7.1. In case the Contractor fails to undertake the repair works under Section 62.2.2 of the 2016 revised IRR, the Procuring Entity shall forfeit its performance security, subject its property(ies) to attachment or garnishment proceedings, and perpetually disqualify it from participating in any public bidding. All payables of the GOP in his favor shall be offset to recover the costs.
- 7.2. The warranty against Structural Defects/Failures, except that occasioned-on force majeure, shall cover the period from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity. Specific duration of the warranty is found in the SCC.

8. Liability of the Contractor

Subject to additional provisions, if any, set forth in the SCC, the Contractor's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Contractor is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

9. Termination for Other Causes

Contract termination shall be initiated in case it is determined *prima facie* by the Procuring Entity that the Contractor has engaged, before, or during the implementation of the contract, in unlawful deeds and behaviors relative to contract

15. Operating and Maintenance Manuals

- 15.1. If required, the Contractor will provide “as built” Drawings and/or operating and maintenance manuals as specified in the SCC.
- 15.2. If the Contractor does not provide the Drawings and/or manuals by the dates stated above, or they do not receive the Procuring Entity’s Representative’s approval, the Procuring Entity’s Representative may withhold the amount stated in the SCC from payments due to the Contractor.

Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause	
2	The Intended Completion Date is <u>120 calendar days</u> .
3.1	The Procuring Entity shall give possession of all parts of the Site to the Contractor upon the issuance of Notice to Proceed.
6	No further instructions.
7.2	<p><i>In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures: Fifteen (15) years.</i></p> <p><i>In case of semi-permanent structures, such as buildings of types 1, 2, and 3 as classified under the National Building Code of the Philippines, concrete/asphalt roads, concrete river control, drainage, irrigation lined canals, river landing, deep wells, rock causeway, pedestrian overpass, and other similar semi-permanent structures: Five (5) years.</i></p> <p><i>In case of other structures, such as Bailey and wooden bridges, shallow wells, spring developments, and other similar structures: Two (2) years.</i></p>
10	Dayworks are applicable at the rate shown in the Contractor's original Bid.
11.1	The Contractor shall submit the Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works to the Procuring Entity's Representative within ten (10) days of delivery of the Notice of Award.
11.2	The amount to be withheld for late submission of an updated Program of Work is one percent (1%).
13	Advance payment shall be made only upon the submission to and acceptance by the Procuring Entity. The amount of the advance payment is fifteen percent (15%) of the Contract price.
14	No further instructions.
15.1	If required, the Contractor will provide "as built" Drawings and/or operating and maintenance manuals within thirty (30) calendar days from the completion of the project.
15.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required is one percent (1%) of the final contract amount.

Section VI. Specifications



Form No. : _____
Date : _____
Page No. : 1 of 3

Name of Project : **UPGRADING OF ELECTRICAL SYSTEM AND INSTALLATION OF AIRCONDITIONING UNITS @ CANIOGAN BARANGAY HALL**

Location : Kalinangan St. Caniogan Pasig City

Source of Funds : _____ Calendar Days to Complete : 120 days
Issued Obligated Author : _____ Desirable Starting Date : _____

MINIMUM EQUIPMENT REQUIREMENT				TECHNICAL PERSONNEL REQUIRED			
DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.
ELECTRICIAN TOOLS	7	MEGGER	1	ELECTRICAL ENGINEER	1	LABORER/HELPER	5
MULTIMETER	1	GROUND RESISTANCE TESTER	1	MECHANICAL ENGINEER	1		
				ELECTRICIAN	2		

ESTIMATED COST OF PROPOSED WORK:

ITEM NO.	DESCRIPTION	% Wt.	QUANTITY	UNIT	UNIT COST	AMOUNT
1.0	MOBLIZATION AND DEMOBILIZATION	0.37%	1.00	lot		
2.0	PRELIMINARIES					
	- Temporary Barricade and Protection Net		30.00	lm		
	- Bunkhouse / Temporary Facilities		30.00	sq.m		
	- Occupational Safety and Health Program		4.00	mos		
	- Rental of Scaffoldings		30.00	sq.m		
		4.63%				
A	ELECTRICAL WORKS					
A.1	PANELBOARD AND CIRCUIT BREAKER					
1.01	MAIN DISTRIBUTION PANELBOARD : (MDP) MAIN: 600AT, 600AF, 3P, MCCB, 25kAIC, Thermal Magnetic and Branches: 1 - 400AT, 400AF, 3P, 18kAIC, MCCB, TM Trip 2 - 100AT, 100AF, 3P, 18kAIC, MCCB, TM Trip In NEMA 4x Enclosure, Bolt-on, with Grounding Terminal Block, Powder Coated Finished, G.I. Sheet # 16, Surface Mount	3.47%	1.00	assembly		
			1.00	unit		
			1.00	units		
			2.00	units		
			1.00	enclosure		
1.02	AUTOMATIC TRANSFER SWITCH (ATS) MAIN: 400AT, 400AF, 3P, MCCB, 36kAIC, Thermal Magnetic and Electronic Trip, in NEMA 4x Enclosure, with grounding Terminal Block, Powder Coated Finished, G.I. Sheet # 16, Complete Accessories for automatic operation	3.63%	1.00	assembly		
1.03	Mechanical Panel (new) MAIN: 300AT, 400AF, 3P, MCCB, 18kAIC, Thermal Magnetic Branches: 8 - 60AT, 2P, 10kAIC, MCCB, TM-D Trip 6 - 30AT, 2P, 10kAIC, MCCB, TM-D Trip 2-space In NEMA 1 Enclosure, Bolt-on, with Grounding Terminal Block, Powder Coated Finished, G.I. Sheet # 16, Surface Mount	1.69%	1.00	assembly		
			1.00	unit		
			4.00	units		
			6.00	units		
			1.00	enclosure		
1.04	Enclosed Circuit Breaker - Elevator (ECB-AC) MAIN: 60AT, 100AF, 3P, MCCB, 18kAIC, Thermal Magnetic, in NEMA 4x Enclosure with Grounding Terminal Lugs	0.89%	7.00	assembly		
1.05	Enclosed Circuit Breaker - Elevator (ECB-AC) MAIN: 30AT, 60AF, 3P, MCCB, 18kAIC, Thermal Magnetic, in NEMA 4x Enclosure with Grounding Terminal Lugs	2.41%	19.00	assembly		
1.06	Consumables - tox with metal screw, expansion bolt and shield, flan washers	0.06%	1.00	lot		
TOTAL A.1						
2.0	WIRES AND CONDUITS					
A.2	WIRES, CONDUITS, AND BOXES					
2.01	150.0 mm ² THHN Stranded	4.34%	159.00	mtrs		
2.02	100.0 mm ² THHN Stranded	2.61%	150.00	mtrs		
2.03	30.0 mm ² THHN Stranded	0.62%	103.00	mtrs		
2.04	14.0 mm ² THHN Stranded	0.92%	352.00	mtrs		
2.05	8.0 mm ² THHN Stranded	0.14%	88.00	mtrs		
2.06	5.5 mm ² THHN Stranded	0.44%	424.00	mtrs		
2.07	3.5 mm ² THHN Stranded	0.12%	168.00	mtrs		
2.08	90 mm ϕ RSC	0.53%	6.00	lgt		
2.09	90 mm ϕ (3") PVC x 10ft. sch. 40 thick wall	0.22%	12.00	lgt		
2.10	63 mm ϕ (2") PVC x 10ft. sch. 40 thick wall	0.22%	18.00	lgt		
2.11	50 mm ϕ (1 1/2") PVC x 10ft. sch. 40 thick wall	0.47%	54.00	lgt		
2.12	32 mm ϕ (1") PVC x 10ft. sch. 40 thick wall	0.16%	40.00	lgt		
2.13	25 mm ϕ (3/4") PVC x 10ft. sch. 40 thick wall	0.11%	36.00	lgt		
2.14	20 mm ϕ (1/2") PVC x 10ft. sch. 40 thick wall	0.22%	112.00	lgt		
2.15	PVC Coupling, 4" ϕ	0.03%	12.00	pcs		



Name of Project : **UPGRADING OF ELECTRICAL SYSTEM AND INSTALLATION OF AIRCONDITIONING UNITS**
@ **CANIOGAN BARANGAY HALL**
Location : **Kalinangan St. Caniogon Pasig City**

2.16	PVC Coupling, 3"Ø	0.0030%	2.00	pcs
2.17	PVC Coupling, 2"Ø	0.0014%	2.00	pcs
2.18	PVC Coupling, 1 1/2"Ø	0.0011%	2.00	pcs
2.19	PVC Coupling, 1"Ø	0.0006%	2.00	pcs
2.20	PVC Coupling, 3/4"Ø	0.0008%	4.00	pcs
2.21	PVC Coupling, 1/2"Ø	0.0005%	4.00	pcs
2.22	G.I Wires #16	0.02%	15.00	kilos
2.23	Tox with Metal Screw #8	0.004%	2.00	boxes
2.24	Hanger and Supports	0.34%	150.00	sets
2.25	- G.I Wires #16 and #14	0.002%	2.00	kls
2.26	- Electrical Tape, Armak Big	0.003%	2.00	pcs
2.27	- PVC Solvent, 1 Liter	0.02%	2.00	can
2.28	- 90mmØ (1 1/2") Service Entrance Cap, Diecast Aluminum	0.01%	1.00	pcs
2.29	- Ground rod including ground clamp, 20mmØ x 3000mmØ solid	0.14%	4.00	pcs
2.30	- Oval eyebolt with 5/8 x 18", 1-1/2 eye inside diameter x2", with square nut	0.02%	1.00	pcs
2.31	- Consumables (Tox, Metal Screw, etc.)	0.02%	2.00	sets
2.32	Other accessories ,support	0.11%	4.00	sets
TOTAL A.2				
B	MECHANICAL WORKS			
B.1	AIRCONDITIONING UNITS			
1.01	- 1.0HP Wall Mounted Aircondition Unit, Inverter Type, Single Phase, R32	0.73%	1.00	unit
1.02	- 1.5HP Wall Mounted Aircondition Unit, Inverter Type, Single Phase, R32	0.84%	1.00	unit
1.03	- 2.0HP Wall Mounted Aircondition Unit, Inverter Type, Single Phase, R32	2.15%	2.00	unit
1.04	- 2.5HP Wall Mounted Aircondition Unit, Inverter Type, Single Phase, R32	10.16%	8.00	unit
1.05	- 3.0 HP Floor Mounted Aircondition Unit, Inverter Type, Single Phase, R32	14.35%	6.00	unit
1.06	- 6.0 HP Floor Mounted Aircondition Unit, Inverter Type, Single Phase, R32	15.41%	4.00	unit
1.07	-6.0 HP Ceiling Cassette, INVERTER TYPE 220V, 1P, 60HZ, R32	17.69%	4.00	unit
TOTAL B.1				
B.2	REFRIGERANT WORKS			
Refrigerant Copper Tubing, Hard Drawn, Type L				
1.01	5/8" Ø	0.28%	109.00	lm
1.02	1/2" Ø	0.33%	179.00	lm
1.03	3/8" Ø	0.24%	218.00	lm
1.04	1/4" Ø	0.10%	110.00	lm
Refrigerant Copper Fittings (Long radius Elbow 90 °)				
1.05	5/8" Ø	0.60%	78.00	pcs
1.06	1/2" Ø	0.49%	78.00	pcs
Closed Cell Elastomeric Rubber Insulation with thickness of 1 inch				
1.07	5/8" Ø	0.38%	109.00	/lm
1.08	1/2" Ø	0.58%	179.00	/lm
1.09	3/8" Ø	0.63%	218.00	/lm
1.10	1/4" Ø	0.31%	110.00	/lm
1.11	Polythelene Tape (white)	0.22%	15.00	rolls
Condensate Drain System				
1.12	32mm Ø, PVC S-Blue	0.0087%	40.00	lgt/10ft
1.13	32mm Ø, rubber insulation	0.38%	60.00	pcs
1.14	Polythelene Tape (blue)	0.29%	20.00	rolls
Hangers and Support Sytem				
1.15	Fullthreaded, expansion shield, nut and washer 3/8"	0.37%	16.00	pcs
1.16	Dynabolt 3/8"	0.27%	104.00	pcs
1.17	Metal clamp 4"	0.05%	20.00	pcs
1.18	Loop hanger (refrigerant and drain) 2" & 1 1/2"	0.03%	15.00	pcs
1.19	Spring (indoor)	0.06%	16.00	pcs
1.20	Metal clamp 2"	0.04%	20.00	pcs
1.21	Bolt and nut 3/8"	0.14%	104.00	pcs
1.22	Spring (Outdoor)	0.23%	36.00	pcs
1.23	Indoor Flatform for floor mounted	0.59%	9.00	sets
1.24	Catwalk(18m X 1.2m) (outdoor support using angle bar , flat bar ,dye welding rod , etc.,)	0.84%	3.00	sets
Miscellaneous / Consumables				
1.25	Mapp gas	0.10%	10.00	tank
1.26	Silver Rod	0.25%	150.00	pcs
1.27	Charging Freon, R32	0.57%	50.00	kls
1.28	Nitrogen	0.10%	5.00	tank
1.29	Other accessories	0.09%	5.00	sets
TOTAL B.2				



Name of Project : **UPGRADING OF ELECTRICAL SYSTEM AND INSTALLATION OF AIRCONDITIONING UNITS
@ CANIOGAN BARANGAY HALL**
Location : Kalinangan St. Caniogan Pasig City

ITEM NO.	DESCRIPTION	% WL.	QUANTITY	UNIT	UNIT COST	AMOUNT
C	CIVIL WORKS					
	Ready mix concrete 3500 psi -28days with 8-16mm ϕ with 10mm ϕ deformed bars lateral ties.					
	1m \times 1m \times .3m footing in 8-16mm ϕ b.w.					
	Concrete		5.02	cu.m		
	Rebars		388.00	kls		
	Forms		25.22	sq. m		
	Excavation (Labor Only)		31.56	cu.m		
	Backfilling (Labor Only)		28.14	cu.m		
	-painting works					
1.01	Service Entrance Post (10" x 10" x 12')	0.49%	1	set		
1.02	Excavation, with concrete breaking including restoration , 26m in length , with 20cm (w) and 40cm(depth)	0.37%	1	set		
1.03	Coring for riser of piping including chipping of works and restoration	0.27%	26	sets		
TOTAL C						

Section VII. Drawings

GENERAL NOTES AND SPECIFICATIONS:

1. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE LAWS AND ORDINANCES OF THE LOCAL GOVERNMENT AND THE REQUIREMENTS OF THE LOCAL POWER UTILITY.
2. ALL MATERIALS TO BE USED SHALL BE NEW AND INSTALLED IN APPLICATIONS FOR WHICH THEY ARE INTENDED.
3. ALL METALLIC CONDUIT, PANELED BOXES AND EQUIPMENTS SHALL BE PROPERLY GROUNDED AND BUNDLED BY MEANS OF COPPER STRAPS. CONNECTION TO GROUND ROD SHALL BE EXPOSED AND ACCESSIBLE FOR INSPECTION.
4. LIFTING AND PULLING BRANCH CIRCUIT WITHOUT DESIGNATION SHALL BE 3-WIRE, 2.55mm² THHN, 1 - 2mm² THIN IN BUNDLE PVC CONDUIT.
5. WIRE SIZE OF WIRE SHALL BE 3mm² THIN IN BUNDLE CONDUIT UNLESS OTHERWISE SHOWN ON PLANS.
6. ALL BOXES SHALL BE MADE OF GROUND STEEL WITH ZINC CARBONATE PROTECTION.
7. ALL PANEL BOARD SHALL BE OF REPUTABLE CONSTRUCTION FINISH WITH TYPICAL FINISH OR SURFACE PAINTING THE FINISH FOR ALL PANEL BOARD SHALL BE FINISHED INDUSTRIAL GRADE POWDER COAT.
8. PANEL BOARD MAIN BUS SHALL BE EQUAL OR EXCEED OVER CURRENT PROTECTIVE DEVICE MECHANICALLY AND OF IT.
9. ALL CONDUIT EMPLOYED ON SLAB SHALL BE POLYVINYL CHLORIDE SCHEDULE 40 WITHOUT EXCEPTION REVERSE CONDUIT IS NOT ALLOWED.
10. ALL RECEPTACLE OUTLETS SHALL BE PROPERLY GROUNDED TO THE BOX BY MEANS OF BRONZE WIRING.
11. OUTLETS SHALL BE PROVIDED BY THE CONTRACTOR WHERE NECESSARY TO FULFILL THE REQUIREMENTS OF THESE CODES AND SPECIFICATIONS ON THE SITES.
12. THE ELECTRICAL CONTRACTOR SHALL SUBMIT SAMPLE OF MATERIALS, EQUIPMENT AND SHOP DRAWINGS FOR APPROVAL OF ARCHITECT/ENGINEER.
13. ALL ELECTRICAL WORK SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER OR MASTER ELECTRICAL.

IMPORTANT NOTES:

THE CONTRACTOR SHALL NOTIFY THE DESIGNER FOR ALL THE ALTERATION, CHANGES OR REVISION ON THE PROJECT.

THE CONTRACTOR SHALL APPLY A TEMPORARY POWER CONNECTION FOR THE CONSTRUCTION OF THE PROJECT.

THE CONTRACTOR SHALL NOTIFY THE DESIGNER FOR ALL THE ALTERATION, CHANGES OR REVISION ON THE PROJECT.

THE CONTRACTOR SHALL NOTIFY THE DESIGNER FOR ALL THE ALTERATION, CHANGES OR REVISION ON THE PROJECT.

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APPROVED BASIC ELECTRICAL AND MECHANICAL MATERIALS

NO.	DESCRIPTION	REMARKS
1.	WIRE	
2.	CONDUIT	
3.	BOXES	
4.	TRAYS	
5.	TERMINALS	
6.	WIRE BUNDLES	
7.	WIRE TIES	
8.	WIRE BUNDLES	
9.	WIRE BUNDLES	
10.	WIRE BUNDLES	
11.	WIRE BUNDLES	
12.	WIRE BUNDLES	
13.	WIRE BUNDLES	
14.	WIRE BUNDLES	
15.	WIRE BUNDLES	
16.	WIRE BUNDLES	
17.	WIRE BUNDLES	
18.	WIRE BUNDLES	
19.	WIRE BUNDLES	
20.	WIRE BUNDLES	

LEGEND:

1. 1/2" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

2. 2" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

3. 4" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

4. 6" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

5. 8" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

6. 10" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

7. 12" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

8. 14" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

9. 16" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

10. 18" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

11. 20" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

12. 22" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

13. 24" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

14. 26" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

15. 28" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

16. 30" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

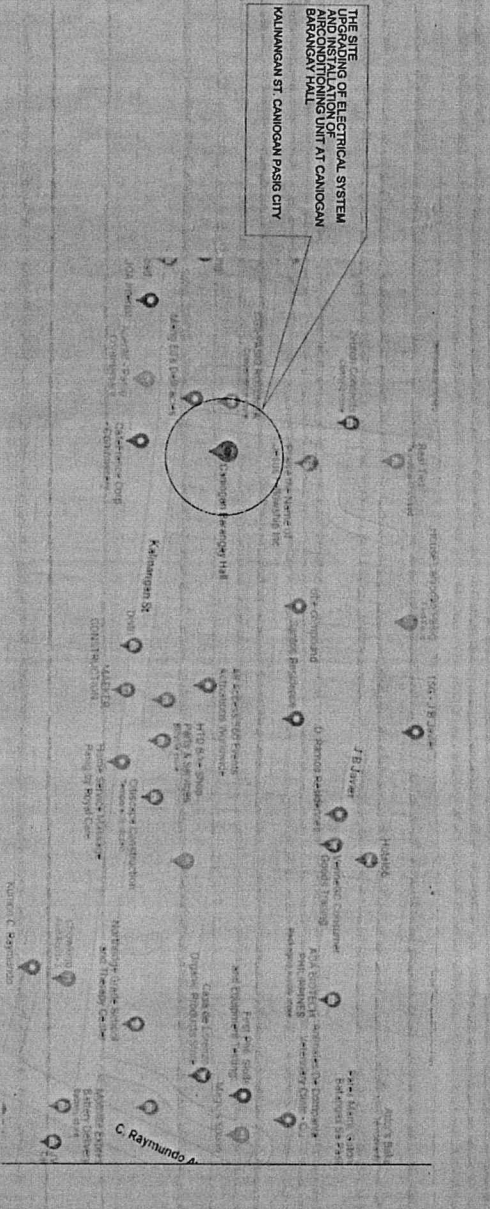
17. 32" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

18. 34" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

19. 36" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

20. 38" Schedule 40 Steel Pipe, 10' Long, 10' Spacing

VICINITY MAP:



REPUBLIC OF THE PHILIPPINES
CITY OF PASIG
**OFFICE OF THE MAJOR
ENGINEERING DEPARTMENT**
ARCHITECTURAL OFFICE

IMPORTANT NOTES:

1. NO ALTERATION IN PLANS AND SPECIFICATIONS SHALL BE MADE WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT AND ENGINEER.
2. IF ANY PART OF THE CONSTRUCTION IS NOT COMPLETED BY THE CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTIVE AND MAINTENANCE OF THE ELECTRICAL SYSTEMS TO BE COMPLETED.
3. IN CASE OF DISCREPANCY IN THE FIGURE OR DIMENSION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION AND ADJUSTMENT SHALL BE MADE BY THE CONTRACTOR.
4. ANY VIOLATION OF THIS INSTRUMENT SHALL BE CONSIDERED AS A BREACH OF CONTRACT.
5. PROJECT ENGINEER, INSPECTOR IN CHARGE, SUPERVISOR AND CONSTRUCTION DIVISION SHALL BE RESPONSIBLE FOR THE PROJECT AT ALL TIMES AND CONDUCTING ACTIVITIES.
6. CONTRACTOR SHALL PROVIDE ASSISTANCE TO ENGINEERS WHO WILL BE RESPONSIBLE FOR THE PROJECT.

PROJECT TITLE:
UPGRADING OF ELECTRICAL SYSTEM AND
INSTALLATION OF AIR CONDITIONING UNITS
AT CANIOGAN BRONGSAY HALL

LOCATION: MALABON ST. CANIOGAN PASIG CITY

ELECTRICAL:
ENGR. CRYSTAL VILLALBA
REPUBLIC ENGINEER

ELECTRICAL:
ENGR. JOSE L. TIRON
REPUBLIC ENGINEER

RECOMMENDING APPROVAL:
ENGR. ARTURERIO V. GERONIMO
REPUBLIC ENGINEER

APPROVED BY:
VICENTE BRONCAY
CITY MAJOR

SHEET CONTENT:
AS - SHOWN

SHEET NO.:
E-1

CONTRACTOR AND ACCEPTED BY:
CONTRACTOR



REPUBLIC OF THE PHILIPPINES
CITY OF PASIG
OFFICE OF THE MAJOR ENGINEERING DEPARTMENT
ARCHITECTURAL OFFICE

PROJECT TITLE: UPGRADING OF ELECTRICAL SYSTEM AND INSTALLATION OF AIRCONDITIONING UNITS AT CAMARON BARRANGAY HALL

LOCATION: VALMAYAN ST CAMARON PASIG CITY

ELECTRICAL: ENGR. DONALD BELLMAN
ENGR. EDUARDO BALBUENA, JR.

ELECTRICAL: ENGR. JORGE L. TIZON

REVIEWED BY: ENGR. EDUARDO BALBUENA, JR.

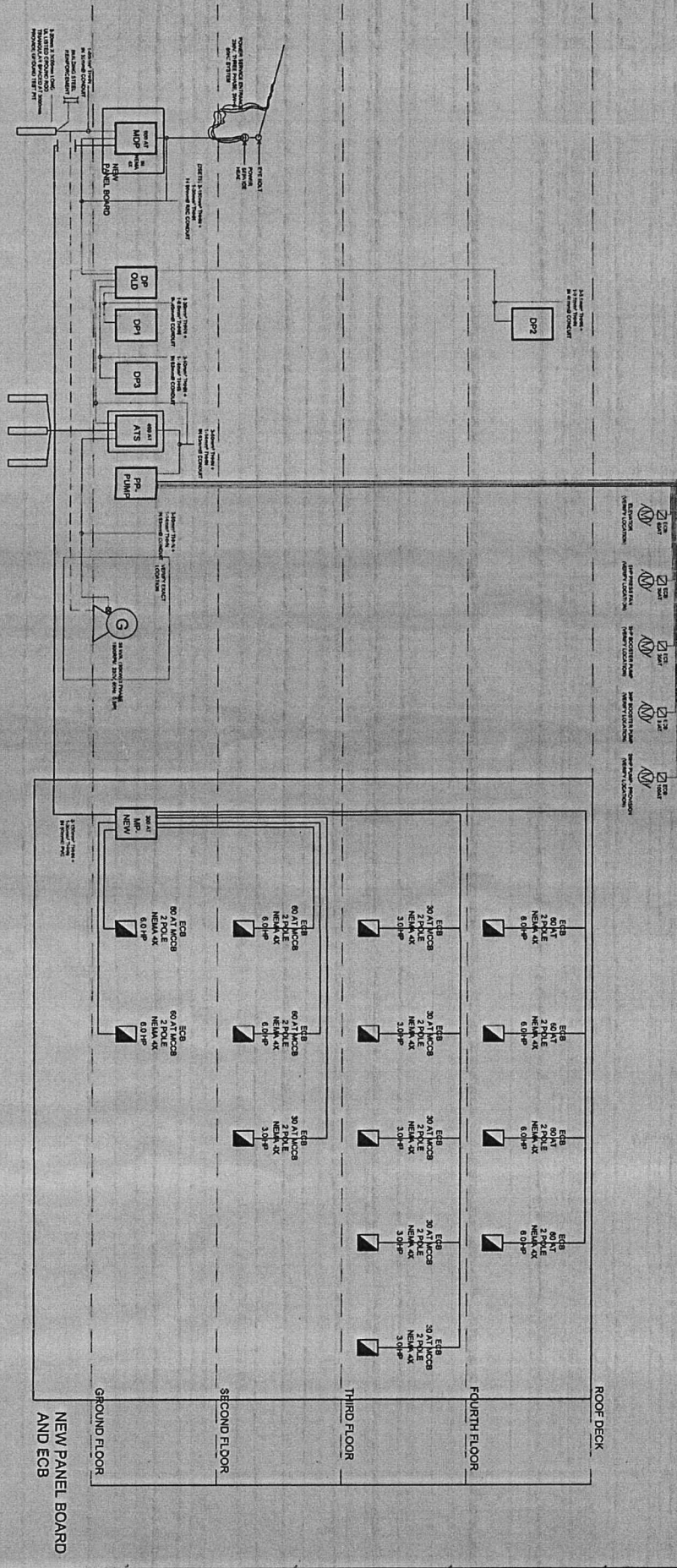
RECOMMENDING APPROVAL: ENGR. ARTABERRE V. GERONIMO

APPROVED BY: VICTOR M. REBIRTA, SOTTO

SHEET COMMENT: AS - SHOWN

SHEET NO.: E-2

- IMPORTANT NOTES:**
- NO ALTERATION IN PLUMB AND FINISHES SHALL BE MADE WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT AND ENGINEER.
 - IN THE EVENT OF THE OCCURRENCE OF ANY DISCREPANCY OR CONFLICT IN THE CONTRACT DOCUMENTS, THE ARCHITECT'S INTERPRETATION SHALL BE FINAL AND BINDING.
 - IN CASE OF DISCREPANCY IN THE PLUMBING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NECESSARY ADJUSTMENT TO BE MADE BY THE CONTRACTOR.
 - ANY VIOLATION OF THE INSTRUCTIONS SHALL BE SUBJECT TO THE DISCIPLINARY ACTION OF THE BOARD OF ELECTRICAL ENGINEERS.
 - PROJECT IN CHARGE / SUPERVISOR MUST REPORT TO THE DESIGNER OF WORK AND CARRY ON WITH THE PROJECT.
 - CONTRACTOR SHALL INVOICER ARCHITECT and ENGINEER FOR THE DESIGN OF WORK PROVIDED.
- COMPARE & ACCEPTED BY: _____
CONTRACTOR



E POWER RISER DIAGRAM
SCALE 1:100 MTS.



REPUBLIC OF THE PHILIPPINES
CITY OF PASIG
OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT
ARCHITECTURAL OFFICE

IMPORTANT NOTES:
1. NO ALTERATION IN THE SCOPE AND EXTENT OF WORK SHALL BE MADE WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT AND ENGINEER.
2. IN ANY CASE THE CONSTRUCTION METHOD USED BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE SUBJECT TO THE FINAL DECISION OF THE ARCHITECT AND ENGINEER.
3. NOTICE OF PROPOSITIONS IN THE FILING OF DRAWINGS, THE BIDDERS SHALL BE SUBMITTED TO THE ARCHITECT BEFORE ANY ALTERATION IS MADE TO THE DRAWINGS.
4. ANY VIOLATION OF THE SPECIFICATIONS SHALL BE CONSIDERED AS A BREACH OF CONTRACT.
5. CONTRACTOR SHALL PROTECT ALL UTILITIES AND STRUCTURES TO REMAIN AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE SAME.
6. CONTRACTORS SHALL PROTECT ARCHITECT AND ENGINEER'S WORK AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE SAME.

PROJECT TITLE:
UPGRADING OF ELECTRICAL SYSTEM AND INSTALLATION OF AIRCONDITIONING UNITS AT CALNOGAN BARANGAY HALL

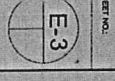
ELECTRICAL:
ENGR. CARL A. BELLM
REGISTERED ELECTRICAL ENGINEER
No. 68888 PRC

ELECTRICAL:
ENGR. JORGE LIZON
REGISTERED ELECTRICAL ENGINEER
No. 68888 PRC

RECOMMENDED APPROVAL:
ENGR. ALEXANDER V. GERONIMO
REGISTERED ELECTRICAL ENGINEER
No. 68888 PRC

APPROVED BY:
VICTOR A. KENTON-BOZOTTO
CITY MAYOR

SHEET CONTENT:
AS - SHOWN



LOAD SCHEDULE : MDP

O/CRT NO.	VA	VOLT	AB	BC	CA	ABC	CB RATING			TRADE SIZE	WIRE	CONDUIT
							AT	AF	POLE			
OTHERS	3330.0	230	248.8	218.8	244.8	28.0	400	400	3	3 - 150mm ² THHN + 1 - 30mm ² THHN	25mm ² PVC	
OFFICE	1500.0	230	170.8	170.8	168.8		300	400	3	3 - 80mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
SPACE		230					100	100	3		6mm ² PVC	
TOTAL	4415.0	230	419.8	389.8	407.1	28.0						

MAIN FEEDER WIRE:
USE 150mm² THHN
1 - 30mm² THHN
No. 68888 PRC

COMPUTATION OF LOAD:
1 = 904.0 AMPS

LOAD SCHEDULE : DP (OLD)

O/CRT NO.	VA	VOLT	AB	BC	CA	ABC	CB RATING			TRADE SIZE	WIRE	CONDUIT
							AT	AF	POLE			
OTHERS	4800.0	230	77.0	60.0	60.0		100	100	3	3 - 30mm ² THHN + 1 - 80mm ² THHN	40mm ² PVC	
OFFICE	2300.0	230	110.0	110.0	110.0		40	100	3	3 - 80mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
OFFICE	2300.0	230	110.0	110.0	110.0		150	200	3	3 - 80mm ² THHN + 1 - 140mm ² THHN	60mm ² PVC	
OFFICE	4800.0	230	77.0	60.0	60.0		150	200	3	3 - 80mm ² THHN + 1 - 140mm ² THHN	60mm ² PVC	
SPACE		230					100	100	3		6mm ² PVC	
TOTAL	14400.0	230	154.0	120.0	120.0	28.0						

MAIN FEEDER WIRE:
USE 150mm² THHN
1 - 30mm² THHN
No. 68888 PRC

COMPUTATION OF LOAD:
1 = 624.0 AMPS

LOAD SCHEDULE : MP-NEW GROUND FLOOR

O/CRT NO.	VA	VOLT	AB	BC	CA	ABC	CB RATING			TRADE SIZE	WIRE	CONDUIT
							AT	AF	POLE			
OTHERS	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
1	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
2	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
3	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
4	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
5	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
6	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
7	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
8	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
9	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
10	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
11	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
12	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
13	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
14	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
15	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
16	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
17	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
18	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
19	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
20	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
21	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
22	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
23	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
24	7544.0	230	32.8	32.8			60	100	2	2 - 16mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
TOTAL	180800.0	230	170.9	170.9	168.8							

MAIN FEEDER WIRE:
USE 150mm² THHN
1 - 30mm² THHN
No. 68888 PRC

COMPUTATION OF LOAD:
1 = 574.0 AMPS

LOAD SCHEDULE : DP (NEW)

O/CRT NO.	VA	VOLT	AB	BC	CA	ABC	CB RATING			TRADE SIZE	WIRE	CONDUIT
							AT	AF	POLE			
OTHERS	4800.0	230	77.0	60.0	60.0		100	100	3	3 - 30mm ² THHN + 1 - 80mm ² THHN	40mm ² PVC	
OFFICE	2300.0	230	110.0	110.0	110.0		40	100	3	3 - 80mm ² THHN + 1 - 80mm ² THHN	25mm ² PVC	
OFFICE	2300.0	230	110.0	110.0	110.0		150	200	3	3 - 80mm ² THHN + 1 - 140mm ² THHN	60mm ² PVC	
OFFICE	4800.0	230	77.0	60.0	60.0		150	200	3	3 - 80mm ² THHN + 1 - 140mm ² THHN	60mm ² PVC	
SPACE		230					100	100	3		6mm ² PVC	
TOTAL	14400.0	230	154.0	120.0	120.0	28.0						

MAIN FEEDER WIRE:
USE 150mm² THHN
1 - 30mm² THHN
No. 68888 PRC

COMPUTATION OF LOAD:
1 = 624.0 AMPS

LOAD SCHEDULE - DP1 GROUND FLOOR										
QTY	OTHERS	VA	VOLT	AG	BC	CA	ANG	AT	CONCRETE	THICKNESS
1	OTHERS	1.110	230	8.86				30	60	2
2	OTHERS	1.410	230	6.17	2.78			30	60	2
3	OTHERS	4.010	230					30	60	2
4	OTHERS	1.110	230					30	60	2
5	OTHERS	1.110	230					30	60	2
6	OTHERS	1.110	230					30	60	2
7	OTHERS	1.110	230					30	60	2
8	OTHERS	1.110	230					30	60	2
9	OTHERS	1.110	230					30	60	2
10	OTHERS	1.110	230					30	60	2
11	OTHERS	1.110	230					30	60	2
12	OTHERS	1.110	230					30	60	2
13	OTHERS	1.110	230					30	60	2
14	OTHERS	1.110	230					30	60	2
15	OTHERS	1.110	230					30	60	2
16	OTHERS	1.110	230					30	60	2
17	OTHERS	1.110	230					30	60	2
18	OTHERS	1.110	230					30	60	2
19	OTHERS	1.110	230					30	60	2
20	OTHERS	1.110	230					30	60	2
21	OTHERS	1.110	230					30	60	2
22	OTHERS	1.110	230					30	60	2
23	OTHERS	1.110	230					30	60	2
24	OTHERS	1.110	230					30	60	2
TOTAL		20.00	230	42.3	43.7	43.8				

LOAD SCHEDULE - DP3 GROUND FLOOR										
QTY	OTHERS	VA	VOLT	AG	BC	CA	ANG	AT	CONCRETE	THICKNESS
1	OTHERS	1.110	230	10.36				30	60	2
2	OTHERS	1.110	230	10.36				30	60	2
3	OTHERS	1.110	230	10.36				30	60	2
4	OTHERS	1.110	230	10.36				30	60	2
5	OTHERS	1.110	230	10.36				30	60	2
6	OTHERS	1.110	230	10.36				30	60	2
7	OTHERS	1.110	230	10.36				30	60	2
8	OTHERS	1.110	230	10.36				30	60	2
9	OTHERS	1.110	230	10.36				30	60	2
10	OTHERS	1.110	230	10.36				30	60	2
11	OTHERS	1.110	230	10.36				30	60	2
12	OTHERS	1.110	230	10.36				30	60	2
13	OTHERS	1.110	230	10.36				30	60	2
14	OTHERS	1.110	230	10.36				30	60	2
15	OTHERS	1.110	230	10.36				30	60	2
16	OTHERS	1.110	230	10.36				30	60	2
17	OTHERS	1.110	230	10.36				30	60	2
18	OTHERS	1.110	230	10.36				30	60	2
19	OTHERS	1.110	230	10.36				30	60	2
20	OTHERS	1.110	230	10.36				30	60	2
21	OTHERS	1.110	230	10.36				30	60	2
22	OTHERS	1.110	230	10.36				30	60	2
23	OTHERS	1.110	230	10.36				30	60	2
24	OTHERS	1.110	230	10.36				30	60	2
TOTAL		20.00	230	211.3	87.1	91.3				

LOAD SCHEDULE - DP2 GROUND FLOOR										
QTY	OTHERS	VA	VOLT	AG	BC	CA	ANG	AT	CONCRETE	THICKNESS
1	OTHERS	1.000	230	4.87				30	60	2
2	OTHERS	800	230	4.17				30	60	2
3	OTHERS	1.000	230					30	60	2
4	OTHERS	1.000	230					30	60	2
5	OTHERS	1.000	230					30	60	2
6	OTHERS	1.000	230					30	60	2
7	OTHERS	1.000	230					30	60	2
8	OTHERS	1.000	230					30	60	2
9	OTHERS	1.000	230					30	60	2
TOTAL		7.00	230	8.7	13.8	11.2				

LOAD SCHEDULE - MP-OLD GROUND FLOOR										
QTY	OTHERS	VA	VOLT	AG	BC	CA	ANG	AT	CONCRETE	THICKNESS
1	OTHERS	3.450	230	15.0				30	60	2
2	OTHERS	3.450	230	15.0				30	60	2
3	OTHERS	3.450	230	15.0				30	60	2
4	OTHERS	3.450	230	15.0				30	60	2
5	OTHERS	3.450	230	15.0				30	60	2
6	OTHERS	3.450	230	15.0				30	60	2
7	OTHERS	3.450	230	15.0				30	60	2
8	OTHERS	3.450	230	15.0				30	60	2
9	OTHERS	3.450	230	15.0				30	60	2
10	OTHERS	3.450	230	15.0				30	60	2
11	OTHERS	3.450	230	15.0				30	60	2
12	OTHERS	3.450	230	15.0				30	60	2
13	OTHERS	3.450	230	15.0				30	60	2
14	OTHERS	3.450	230	15.0				30	60	2
15	OTHERS	3.450	230	15.0				30	60	2
16	OTHERS	3.450	230	15.0				30	60	2
17	OTHERS	3.450	230	15.0				30	60	2
18	OTHERS	3.450	230	15.0				30	60	2
19	OTHERS	3.450	230	15.0				30	60	2
20	OTHERS	3.450	230	15.0				30	60	2
TOTAL		44.50	230	171.0	60.0	66.0				



REPUBLIC OF THE PHILIPPINES
 OFFICE OF THE MAYOR
 CITY OF MANILA
ENGINEERING DEPARTMENT
 ARCHITECTURAL OFFICE

PROJECT TITLE
**UPGRADING OF ELECTRICAL SYSTEM AND
 INSTALLATION OF AIRCONDITIONING UNITS
 AT CANOGAN BARRANGAY HALL**

ELECTRICAL
ENGR. CARLA BELLIUM
 REGISTERED ELECTRICAL ENGINEER
 No. 123456789

ELECTRICAL
ENGR. ARYANDEL V. GERONIMO
 REGISTERED ELECTRICAL ENGINEER
 No. 987654321

RECOMMENDED APPROVAL
VICTOR M. NEGRETE-SANTOS
 CITY LIAISON

SHEET CONTENT
AS SHOWN

SHEET NO.
E-4

IMPORTANT NOTES:

- IN A SITUATION UNLESS AND OTHERWISE SPECIFIED, ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE ARCHITECTURAL AND ELECTRICAL CODES.
- FINAL COST OF THE CONSTRUCTION SHALL BE DETERMINED AFTER THE WORK IS COMPLETED AND ALL MATERIALS AND LABOR ARE VERIFIED.
- IN CASE OF DISCREPANCY IN THE FIELD OR DRAWING, THE MATTER SHALL BE SUBMITTED TO THE ARCHITECT FOR HIS FINAL DECISION AND DIRECTION.
- ANY VIOLATION OF THE REGULATION SHALL BE CONSIDERED AS A BREACH OF CONTRACT.
- CONTRACTOR SHALL PROVIDE ARCHITECT AND ENGINEER WHO SHALL BE RESPONSIBLE FOR THE PROJECT.
- CONFORME & ACCEPTED BY CONTRACTOR

MECHANICAL EQUIPMENT SCHEDULE

AIRCON NOTES:

IT IS NOT INTENDED THAT THE DRAWINGS SHALL SHOW EVERY PIPE FITTINGS, VALVES, HANGERS/SUPPORTS, ETC. ALL SUCH ITEM WHETHER SPECIFICALLY MENTIONED OR NOT, OR INDICATED ON THE DRAWINGS SHALL BE FURNISHED AND INSTALLED IF NECESSARY TO COMPLETE THE SYSTEM TO THE SATISFACTION OF THE ENGINEER AND THE OWNER.

CONTRACTOR SHALL BE RESPONSIBLE IN VERIFYING AND COORDINATING THE FOLLOWING IN ACCORDANCE WITH MANUFACTURERS DATA AND RECOMMENDATIONS.

- FLOOR AND WALL OPENINGS
- EQUIPMENT PAD/PEDESTALS

CONDENSATE DRAIN PIPES SHALL BE TAPPED TO NEAREST DOWNSPOUT OR DRAIN CONNECTION AND SHALL RUN AT 1% SLOPE.

ALL STRUCTURAL AND ARCHITECTURAL FINISHES DAMAGED DURING THE COURSE OF WORK SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR AS APPROVED BY OWNER.

ALL INSULATED MECHANICAL PIPES THAT ARE EXPOSED SHALL BE CLADDED WITH ALUMINUM SHEET OF MACHINES/SHOP FABRICATED.


CONTRACTOR SHOULD BE FAMILIAR WITH THE ACTUAL SITE CONDITION AND INSTALLATION TO VERIFY IF THE WORK IS IN CONFORMANCE TO MANUFACTURER RECOMMENDATION AND SHOULD RECTIFY WORK NON-CONFORMANCE IF SUCH CONDITION EXIST.

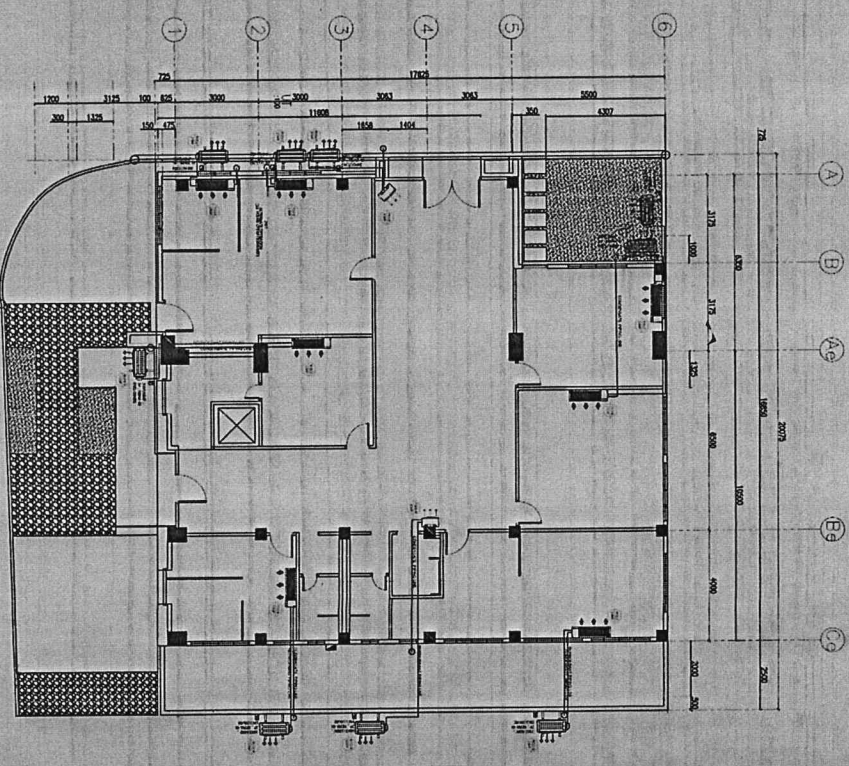
ALL MECHANICAL EQUIPMENT & INSTALLATION SHOULD STRICTLY COMPLY WITH THE MECHANICAL EQUIPMENT RECOMMENDED INSTALLATION & ACCEPTABLE STANDARDS.

ANY ADJUSTMENT FOR EQUIPMENT RELOCATION AT SITE THAT WILL DEVIATE FROM THE PLANS, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL BY ENGINEER OR CONSULTANT.

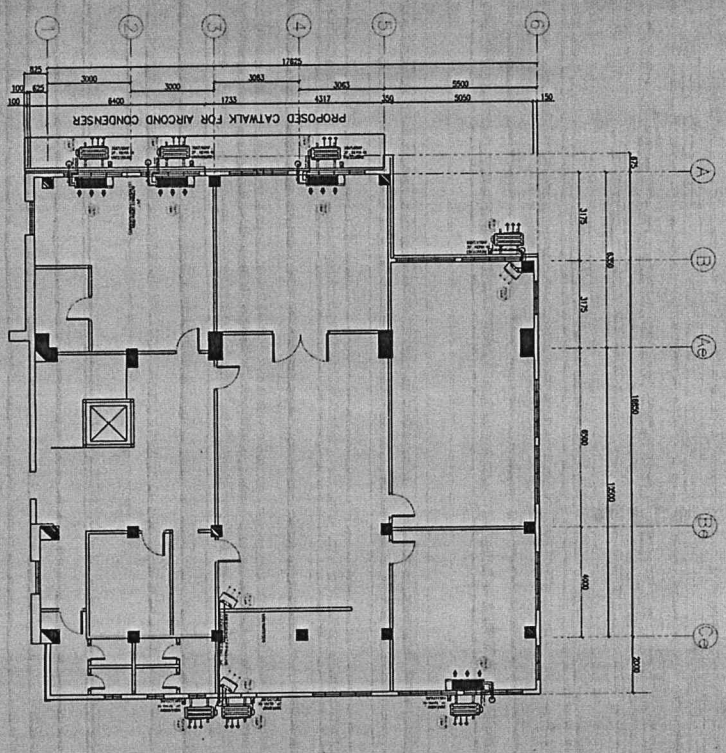
SPLIT TYPE (INVERTER UNIT)

ITEM DESCRIPTION AND CAPACITY OF AIRCON UNIT(S)(CU AND ACCU)	SPECIFICATION	QTY	AREA SERVE	TYPE OF INSULATION	ELECTRICAL DATA			REMARKS	REFRIGERANT TYPE
					VOLTS	PHASE	HERTZ		
F0U-1 2.5HP	F0U-1 1HP	F0U-2 2.5HP	F0U-3 2.5HP	F0U-4 2.5HP	F0U-5 2.5HP	F0U-6 2.5HP	F0U-7 2.5HP	F0U-8 2.5HP	F0U-9 2.5HP
F0U-10 2.5HP	F0U-11 2.5HP	F0U-12 2.5HP	F0U-13 2.5HP	F0U-14 2.5HP	F0U-15 2.5HP	F0U-16 2.5HP	F0U-17 2.5HP	F0U-18 2.5HP	F0U-19 2.5HP
F0U-20 3HP	F0U-21 3HP	F0U-22 3HP	F0U-23 3HP	F0U-24 3HP	F0U-25 3HP	F0U-26 3HP	F0U-27 3HP	F0U-28 3HP	F0U-29 3HP
F0U-30 3HP	F0U-31 3HP	F0U-32 3HP	F0U-33 3HP	F0U-34 3HP	F0U-35 3HP	F0U-36 3HP	F0U-37 3HP	F0U-38 3HP	F0U-39 3HP

 REPUBLIC OF THE PHILIPPINES CITY OF PASIG OFFICE OF THE MAYOR ENGINEERING DEPARTMENT ARCHITECTURAL OFFICE	PROJECT TITLE UPGRADE OF ELECTRICAL SYSTEM AND INSTALLATION OF AIRCONDITIONING UNITS AT CAMBODIAN BANGKANG HALL	ELECTRICAL ENGR. CARL J. BELLIN Licensed Professional Engineer	ELECTRICAL ENGR. JOSE L. TIZON Licensed Professional Engineer	REVIEWED BY ENGR. JEROME M. PANDENO Licensed Professional Engineer	RECOMMENDING APPROVAL ENGR. ARTAYRBER V. GERONIMO Licensed Professional Engineer	APPROVED BY VICTOR M. TRIGOS JR. CITY MAYOR	SHEET CONTENT AS - SHOWN	SHEET NO. E-5
	IMPORTANT NOTES: 1. NO ALTERATION IN PLUMBING AND ELECTRICAL WORK WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT AND ENGINEER. 2. IF IN ANY CASE THE CONTRACTOR IS REQUIRED TO MAKE ANY CHANGE IN THE ELECTRICAL DESIGN OR THE STRUCTURAL DESIGN, HE MUST BE APPROVED BY THE ARCHITECT AND ENGINEER. 3. NOISE OF CONSTRUCTION IN THE PROJECT OR NEIGHBORHOOD SHALL BE KEPT TO A MINIMUM AND ADJUSTMENT SHALL BE MADE BY THE CONTRACTOR. 4. ANY VIOLATION OF THE INSTITUTION SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY. 5. PROJECT IN CHARGE / INSPECTOR MUST OVERSEE THE PROJECT AT ALL TIMES AND CONSIDERING ACTIVITY. 6. CONTRACTOR SHALL PROVIDE ADEQUATE AND PROTECT ENGINEERS WHO WILL BE RESPONSIBLE FOR THE PROJECT.	CONTRACTOR & ACCEPTED BY CONTRACTOR						



GROUND FLOOR PLAN
AIRCON
 SCALE 1:100 MTS.



SECOND FLOOR PLAN
AIRCON
 SCALE 1:100 MTS.



REPUBLIC OF THE PHILIPPINES
 CITY OF PASIG
ENGINEERING DEPARTMENT
 ARCHITECTURAL OFFICE

PRODUCT TITLE
**UPGRADING OF ELECTRICAL SYSTEM AND
 INSTALLATION OF AIRCONDITIONING UNITS
 AT CAJOMOGAN BARRANGAY HALL**

ELECTRICAL
 ENGR. CARLA L. BELIN
 ENGR. EDUARDO L. BARRANGAY, JR.
 ENGR. JORGE L. TIZON

ELECTRICAL
 ENGR. JORGE L. TIZON

REVIEWED BY:
 ENGR. CARLA L. BELIN

RECOMMENDING APPROVAL
 ENGR. ARTAVENDES S. GENOVINO

APPROVED BY:
 VICTOR DE VERA DE SOTTO
 CITY MAYOR

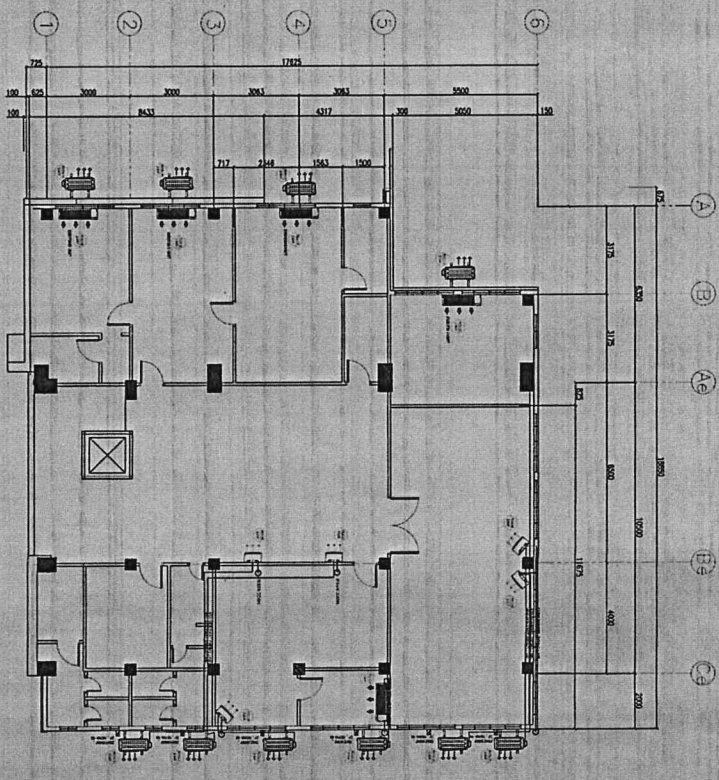
SHEET CONTENT:
AS - SHOWN

SHEET NO.:
E-6

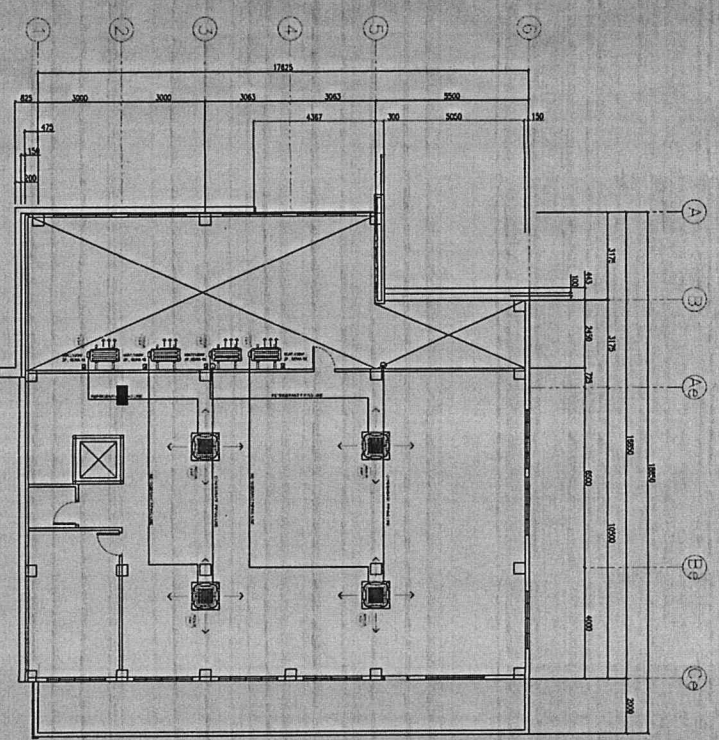
IMPORTANT NOTES:

1. NO ALTERATIONS AND/OR ADDITIONS SHALL BE MADE WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT AND ENGINEER.
2. IF ANY CASE THE CONSTRUCTION METHOD USED BY THE CONTRACTOR SHALL BE SUBJECT TO THE FINAL DECISION OF THE ARCHITECTURAL ENGINEER AND BE RESPONSIBLE.
3. IN CASE OF DISCREPANCY IN THE DRAWING OR CONSTRUCTION, THE ARCHITECT SHALL BE RESPONSIBLE TO THE CONTRACTOR TO CLARIFY THE INTENT OF THE DRAWING.
4. ANY VIOLATION OF THE ARCHITECTURAL CODES AND REGULATIONS SHALL BE SUBJECT TO THE PENALTIES OF THE LAW.
5. PROJECT ENGINEER / INSPECTOR MUST OVERSEE THE PROJECT AT ALL TIMES AND CONDUCT REGULAR VISITS.
6. CONTRACTOR SHALL PROVIDE ARCHITECT AND ENGINEER WITH ALL NECESSARY INFORMATION AND DOCUMENTS.

CONTRACTOR & ACCEPTED BY:
CONTRACTOR



THIRD FLOOR PLAN
 AIRCON
 SCALE 1:100 MTS.



FOURTH FLOOR PLAN
 AIRCON
 SCALE 1:100 MTS.



REPUBLIC OF THE PHILIPPINES
 CITY OF PASIG
OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT
 ARCHITECTURAL OFFICE

PROJECT TITLE:
**UPGRADING OF ELECTRICAL SYSTEM AND
 INSTALLATION OF AIRCONDITIONING UNITS
 AT CANGCOAN BARRANGAY HALL**

ELECTRICAL:
ENGR. DAN A. L. BELIN
 ELECTRICAL ENGINEER

ELECTRICAL:
ENGR. JONIE L. TOLON
 ELECTRICAL ENGINEER

REVIEWED BY:
ENGR. ARTAVARDEL V. GERONIMO
 ELECTRICAL ENGINEER

RECOMMENDING APPROVAL:
ENGR. ARTAVARDEL V. GERONIMO
 ELECTRICAL ENGINEER

APPROVED BY:
VICTOR M. TRINIDAD JR.
 CITY MAYOR

SHEET CONTENT:
AS - SHOWN

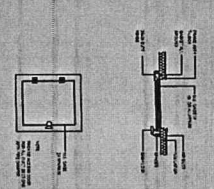
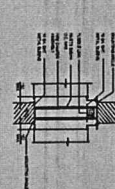
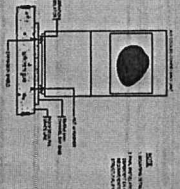
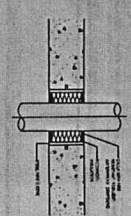
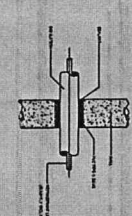
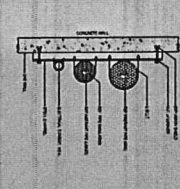
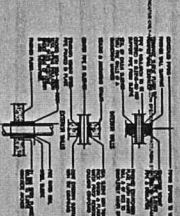
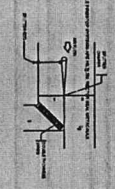
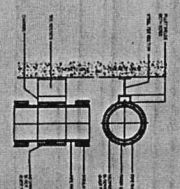
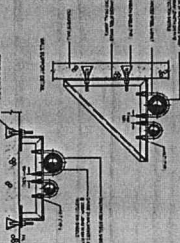
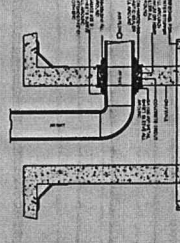
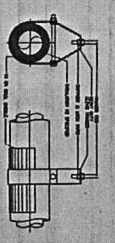
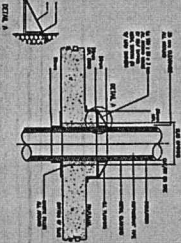

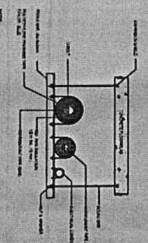
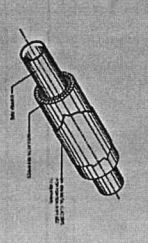
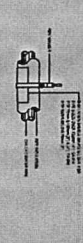
SHEET NO.:
E-7

IMPORTANT NOTES:

- NO ALTERATION IN USE AND SPECIFICATION SHALL BE MADE WITHOUT THE APPROVAL OF THE ARCHITECT AND ENGINEER.
- IF ANY CASE THE CONSTRUCTION METHOD USED IN THE CONSTRUCTION SHALL BE APPROVED BY THE ARCHITECT AND ENGINEER BEFORE THE FINAL DESIGN AND DRAWING IS MADE.
- IN CASE OF EMERGENCY IN THE FIELD OF CONSTRUCTION, THE ARCHITECT SHALL BE CONSULTED IMMEDIATELY FOR HIS ADVICE AND APPROVAL.
- ANY VIOLATION OF THE RESTRICTIONS SHALL BE CORRECTED AT THE EXPENSE OF THE CONTRACTOR.
- PROJECT NON-COMPLIANCE WITH THE RESTRICTIONS SHALL BE REPORTED TO THE ENGINEER OF WORKS AND TO THE DEPARTMENT OF CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE SUPPORT AND FINANCIAL ASSISTANCE FOR THE PROJECT.

CONTRACTOR ACCEPTED BY:
 CONTRACTOR

MECHANICAL EQUIPMENT DETAILS

 <p>1 ACCESS DOOR ON DUCT</p>	 <p>2 FIRE DAMPER INSTALLATION DETAIL</p>	 <p>3 ACCU MOUNTING DETAIL</p>	 <p>4 FIRE RATED PIPE SLEEVE</p>	 <p>1 REFRIGERANT PIPE THRU WALL DETAIL</p>	 <p>2 PIPE BRACKET ALONG WALLS</p>																																																																																
 <p>5 TYPICAL PIPE SLEEVE DETAIL</p>	 <p>6 TYPICAL DUCT TAKE-OFF DETAIL</p>	 <p>7 RISER GUIDE AT DETAIL</p>	 <p>8 REFRIGERANT PIPING SUPPORT DETAIL</p>	 <p>5 DUCT THRU SUBMALL DETAIL (AT DOORHOUSE)</p>	 <p>3 PIPE HANGER DETAIL</p> <table border="1" data-bbox="617 1962 698 2204"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>QTY</th> <th>UNIT</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>PIPE HANGER</td> <td>1</td> <td>EA</td> </tr> <tr> <td>2</td> <td>PIPE BRACKET</td> <td>1</td> <td>EA</td> </tr> <tr> <td>3</td> <td>PIPE SLEEVE</td> <td>1</td> <td>EA</td> </tr> <tr> <td>4</td> <td>PIPE CLAMP</td> <td>1</td> <td>EA</td> </tr> <tr> <td>5</td> <td>PIPE WEDGE</td> <td>1</td> <td>EA</td> </tr> <tr> <td>6</td> <td>PIPE BUSH</td> <td>1</td> <td>EA</td> </tr> <tr> <td>7</td> <td>PIPE NUT</td> <td>1</td> <td>EA</td> </tr> <tr> <td>8</td> <td>PIPE WASHER</td> <td>1</td> <td>EA</td> </tr> <tr> <td>9</td> <td>PIPE LOCKWASHER</td> <td>1</td> <td>EA</td> </tr> <tr> <td>10</td> <td>PIPE SCREW</td> <td>1</td> <td>EA</td> </tr> <tr> <td>11</td> <td>PIPE BRACKET</td> <td>1</td> <td>EA</td> </tr> <tr> <td>12</td> <td>PIPE SLEEVE</td> <td>1</td> <td>EA</td> </tr> <tr> <td>13</td> <td>PIPE CLAMP</td> <td>1</td> <td>EA</td> </tr> <tr> <td>14</td> <td>PIPE WEDGE</td> <td>1</td> <td>EA</td> </tr> <tr> <td>15</td> <td>PIPE BUSH</td> <td>1</td> <td>EA</td> </tr> <tr> <td>16</td> <td>PIPE NUT</td> <td>1</td> <td>EA</td> </tr> <tr> <td>17</td> <td>PIPE WASHER</td> <td>1</td> <td>EA</td> </tr> <tr> <td>18</td> <td>PIPE LOCKWASHER</td> <td>1</td> <td>EA</td> </tr> <tr> <td>19</td> <td>PIPE SCREW</td> <td>1</td> <td>EA</td> </tr> </tbody> </table>	NO.	DESCRIPTION	QTY	UNIT	1	PIPE HANGER	1	EA	2	PIPE BRACKET	1	EA	3	PIPE SLEEVE	1	EA	4	PIPE CLAMP	1	EA	5	PIPE WEDGE	1	EA	6	PIPE BUSH	1	EA	7	PIPE NUT	1	EA	8	PIPE WASHER	1	EA	9	PIPE LOCKWASHER	1	EA	10	PIPE SCREW	1	EA	11	PIPE BRACKET	1	EA	12	PIPE SLEEVE	1	EA	13	PIPE CLAMP	1	EA	14	PIPE WEDGE	1	EA	15	PIPE BUSH	1	EA	16	PIPE NUT	1	EA	17	PIPE WASHER	1	EA	18	PIPE LOCKWASHER	1	EA	19	PIPE SCREW	1	EA
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REPUBLIC OF THE PHILIPPINES
CITY OF PASIG

OFFICE OF THE MAJOR ENGINEERING DEPARTMENT
ARCHITECTURAL OFFICE

PROJECT TITLE:
UPGRADING OF ELECTRICAL SYSTEM AND INSTALLATION OF AIR CONDITIONING UNITS AT CARMOGAN SUBMALL TAIL

LOCATION: **KALAWANAN ST. CARMOGAN, PASIG CITY**

ELECTRICAL

ENGINEER: **ENGR. CARLA L. BELLA**
(Signature)

REVIEWED BY: **ENGR. EDUARDO C. BARRERA, JR.**
(Signature)

RECOMMENDING APPROVAL: **ENGR. JAYSON B. GONZALEZ**
(Signature)

APPROVED BY: **VICTOR R. SOTTO**
CITY MAJOR

SHEET CONTENT: **AS - SHOWN**

SHEET NO.: **E-8**

IMPORTANT NOTES:

- NO ALTERATION IN PLUMB AND ELECTRICAL WORK SHALL BE MADE WITHOUT THE FINAL APPROVAL OF THE ARCHITECT AND ENGINEERS.
- IF ANY PART OF THE CONSTRUCTION METHOD USED BY THE CONTRACTOR IS DIFFERENT FROM THAT SPECIFIED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRUCTURAL DESIGN AND THE STRUCTURAL DESIGNER SHALL BE CONSULTED.
- NOTICE OF DISCREPANCY IN THE FIELD OF CONSTRUCTION SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT BEFORE ANY WORK IS PERFORMED. CORRECTIONS SHALL BE MADE BY THE CONTRACTOR.
- ANY VIOLATION OF THIS INSTRUCTION SHALL BE REPORTED TO THE DESIGNER OF THE CONSTRUCTION.
- PROJECT REQUIREMENTS INSTRUCTIONS MUST BE STRICTLY FOLLOWED AND REPORT TO THE DESIGNER OF THE CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE ARCHITECT AND ENGINEER WITH ALL NECESSARY INFORMATION AND PROJECT WHICH SHALL BE SUBMITTED TO THE CONTRACTOR.

CONFORME & ACCEPTED BY:
C O N T R A C T O R

Section VIII. Bill of Quantities

i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and

j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.

k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **UPGRADING OF ELECTRICAL SYSTEM AND INSTALLATION OF AIRCONDITIONING UNITS AT CANIOGAN BARANGAY HALL, KALINANGAN ST., BRGY. CANIOGAN, PASIG CITY (REBID)** of the **Bids and Awards Committee (B.A.C.) Pasig City**

l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

SUBJECT : **BILL OF QUANTITIES / COST ESTIMATE**

NAME OF PROJECT : **UPGRADING OF ELECTRICAL SYSTEM AND INSTALLATION OF AIRCONDITIONING UNITS**

LOCATION : **CANIOGAN BARANGAY HALL, KALINANGAN ST., BRGY. CANIOGAN, PASIG CITY (REBID)**

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (P)	AMOUNT (P)
1.0	Mobilization and Demobilization <hr/> (Pesos <hr/>)	1.00	lot		
2.0	Preliminaries <hr/> (Pesos <hr/>)		l.s		
A A1	Electrical Works Panel Board and Circuit Breaker <hr/> (Pesos <hr/>)		l.s		
A2	Wires, Conduits and Boxes <hr/> (Pesos <hr/>)		l.s		
B B1	Refrigerant Works Airconditioning Units <hr/> (Pesos <hr/>)		l.s		
B2	Refrigerant Works <hr/> (Pesos <hr/>)		l.s		
C	Civil Works <hr/> (Pesos <hr/>)		l.s		
Total Amount in Words: _____					
GRAND TOTAL					

(Name & Address of Bidder)

(Signature)

(Name, Designation of Authorized Signing Official)

Section IX. Checklist of Technical and Financial Documents

Republic of the Philippines
BIDS AND AWARDS COMMITTEE
City Government of Pasig

Name of Bidder : _____
Name of Contract : _____
Approved Budget Contract : _____
Bidding Date : _____

(Note: Checklist is to be filled up by the BAC only)

I. TECHNICAL COMPONENT ENVELOPE FOR THE PROCUREMENT OF INFRASTRUCTURE PROJECTS

Class "A" Documents

Legal Documents

- (a) Valid PhilGEPS Certificate of Platinum Registration and Membership with additional caveat in accordance with Section 8.5.2 of the 2016 Revised IRR of RA 9184 amended through GPPB Resolution No. 15-2021, provided that all of Class "A" eligibility documents submitted to PhilGEPS are maintained and updated;

Technical Documents

- (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; and
- (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules (Contractors under Small A and Small B categories without similar experience on the contract to be bid may be allowed to bid if the cost of such contract is not more than the Allowable Range of Contract Cost (ARCC) of their registration based on the guidelines as prescribed by the PCAB.); and
- (d) Special PCAB License in case of Joint Ventures; and registration for the type and cost of the contract to be bid; and
- (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission; or Original copy of Notarized Bid Securing Declaration; and
- (f) Project Requirements, which shall include the following:
- a. Organizational chart for the contract to be bid; and
- b. List of contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data; and
- c. Duly signed Manpower Schedule; and
- d. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; and
- e. Equipment utilization schedule; and
- f. Duly signed Construction Schedule (PERT/CPM) and S-curve; and
- g. Duly signed Construction Method in narrative form; and
- h. Construction Safety and Health Program; and
- (g) Original duly signed Omnibus Sworn Statement (OSS); and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- (h) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).

Class "B" Documents

- (i) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence; or 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.

NOTE: Any missing document/s on the above mentioned checklist is a ground for outright disqualification/ rejection of the bid.

REMARKS:

PASSED

FAILED

ACKNOWLEDGMENT: (Please see above "note" Do not fill up/sign if documents are marked passed)
This is to acknowledge receipt of the first and second envelopes which is being returned because of disqualification due to deficiencies and non-compliance with checklist therein.

Signature over printed name/Representative of Bidder

Date Received

CHECKED AND VERIFIED BY:

SIGNATURE:

ATTY. JOSEPHINE C. LATI-BAGAOISAN
Chairperson

ATTY. DIEGO LUIS S. SANTIAGO
Vice Chairperson

DR. EMMA MEJIA-SANCHEZ
Member

DR. JEANNA V. PLES
Member

ENGR. JOHNNY L. CALATA
Member

MS. RUTH F. ROMANO
Member

DR. STUART G. SANTOS
Member

Attested by:

ATTY. PONCE MIGUEL D. LOPEZ
Officer in Charge, Procurement Management Office

**Republic of the Philippines
BIDS AND AWARDS COMMITTEE
City Government of Pasig**

Name of Bidder : _____
Name of Contract : _____
Approved Budget Contract: _____
Bidding Date : _____

(Note: Checklist is to be filled up by the BAC only)

II. FINANCIAL COMPONENT ENVELOPE FOR THE PROCUREMENT OF INFRASTRUCTURE PROJECTS

(j) Original of duly signed and accomplished Financial Bid Form; and

Other documentary requirements under RA No. 9184

(k) Original of duly signed Bid Prices in the Bill of Quantities; and

(l) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; and

(m) Cash Flow by Quarter.

NOTE:

Any missing document/s on the above mentioned checklist is a ground for outright disqualification/ rejection of the bid.

REMARKS:

PASSED

FAILED

ACKNOWLEDGMENT: (Please see above "note" Do not fill up/sign if documents are marked passed)

This is to acknowledge receipt of the first and second envelopes which is being returned because of disqualification due to deficiencies and non-compliance with checklist therein.

Signature over printed name/Representative of Bidder

Date Received

CHECKED AND VERIFIED BY:

SIGNATURE:

ATTY. JOSEPHINE C. LATI-BAGAOISAN
Chairperson

ATTY. DIEGO LUIS S. SANTIAGO
Vice Chairperson

DR. EMMA MEJIA-SANCHEZ
Member

DR. JEANNA V. PLES
Member

ENGR. JOHNNY L. CALATA
Member

MS. RUTH F. ROMANO
Member

DR. STUART G. SANTOS
Member

Attested by:

ATTY. PONCE MIGUEL D. LOPEZ
Officer in Charge, Procurement Management Office

Bid Form for the Procurement of Infrastructure Projects
[shall be submitted with the Bid]

BID FORM

Date : _____
Project Identification No. : _____

To: *[name and address of Procuring Entity]*

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: *[insert name of contract]*;
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: *[insert information]*;
- d. The discounts offered and the methodology for their application are: *[insert information]*;
- e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within the a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines¹² for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute

¹² currently based on GPPB Resolution No. 09-2020

and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the [Name of the Procuring Entity].

- I. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

SAMPLE ONLY

①

②

Omnibus Sworn Statement (Revised)
[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. *[Select one, delete the other:]*

[If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

[If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. *[Select one, delete the other:]*

[If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

[If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. *[Select one, delete the rest:]*

[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical

Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a partnership or cooperative:] None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and
8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.
9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this ___ day of ___, 20___ at _____, Philippines.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurati]

[Format shall be based on the latest Rules on Notarial Practice]

A. STATEMENT OF SINGLE LARGEST COMPLETED CONTRACT (GOVERNMENT AND PRIVATE)

BUSINESS NAME :
BUSINESS ADDRESS:

Name of Contract/Location Project Cost	a. Owner's Name b. Address c. Tel. Nos.	Nature of Work	Contractor's Role		A. Amount at Award B. Amount at Completion C. Duration	A. Date Awarded B. Date Started C. Date Completed
			Description	%		
<u>GOVERNMENT</u>						
<u>PRIVATE</u>						

Note: This statement shall be supported with:
 1. Notice of Award and/or Contract
 2. Notice to Proceed by the owner
 3. Certificate of Accomplishment signed by the owner of Project Engineer

Submitted by:

 General Manager

NFCC COMPUTATION FOR ELIGIBILITY CHECK

- A. Summary of the Applicant Supplier's/Distributor's/Manufacturer's assets and liabilities on the basis of the attached income tax return and audited financial statement, stamped "RECEIVED" by the Bureau of Internal Revenue or BIR authorized collecting agent, for the immediately preceding year and a certified copy of Schedule of Fixed Assets particularly the list of construction equipment.

		Year 20
1.	Total Assets	
2.	Current Assets	
3.	Total Liabilities	
4.	Current Liabilities	
5.	Net Worth(1-3)	
6.	Net Working Capital(2-4)	

- B. The Net Financial Contracting Capacity (NFCC) based on the above data is computed as follows:

NFCC= [(Current assets minus current liabilities) (15)] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started, conciding with the contract to be bid.

The values of the domestic bidder's current assets and current liabilities shall be based on the latest Audited Financial Statements (AFS) submitted to the BIR.

NFCC=P _____

Submitted by:

Name of Supplier/Distributor/Manufacturer

Signature of Authorized Representative

Date: _____

MARKING AND SEALING OF BIDS



PPWA

