

PHILIPPINE BIDDING DOCUMENTS



**Name of Project/Location : Rewiring of Feeder
Lines and Replacement of Old Panelboards
at PCIST, Brgy. Bambang, Pasig City**

Approved Budget for the Contract: P 2,671,096.97

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 [Rewiring of Feeder Lines and Replacement of Old Panelboards at PCIST, Brgy. Bambang, Pasig City.](#)

1. The City Government of Pasig, through the Annual or Supplemental Budget, as approved by the Sanggunian intends to apply the sum of **PHP 2,671,096.97** being the Approved Budget for the Contract (ABC) to payments under the contract **Rewiring of Feeder Lines and Replacement of Old Panelboards at PCIST, Brgy. Bambang, Pasig City.** 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 **April 19, 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 5,000.00.* 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 **May 3, 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 May 15, 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 **May 15, 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 May 15, 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
bidsandawards@pasigcity.gov.ph
8643-1111 loc. 1461

13. You may visit the following websites:

PS-Philgeps Website
Pasig City Website

April 19, 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 [Rewiring of Feeder Lines and Replacement of Old Panelboards at PCIST, Brgy. Bambang, Pasig City](#), with Project Identification Number [PB-05-15-2023-08](#)

[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 2,671,096.97](#).

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.

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 "I" 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**.

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>Rewiring of Feeder Lines and Replacement of Old Panelboards, Building: All types including school buildings, hospital, airport terminal building, post offices, market, housing, multi-storey building, and related structures 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 1 year experience on construction</td> <td>At least 1 year experience on electrical rehabilitation/upgrading works</td> </tr> <tr> <td>Electrician</td> <td style="text-align: center;">1</td> <td>At least 1 year experience on construction</td> <td>At least 1 year experience on electrical rehabilitation/upgrading works</td> </tr> <tr> <td>Aircon Technician</td> <td style="text-align: center;">1</td> <td>At least 1 year experience on construction</td> <td>At least 1 year experience on electrical rehabilitation/upgrading works</td> </tr> <tr> <td>Laborer/Helper</td> <td style="text-align: center;">3</td> <td>Not required</td> <td>Not required</td> </tr> </tbody> </table>	KEY PERSONNEL	QTY	GENERAL EXPERIENCE	RELEVANT EXPERIENCE	Electrical Engineer	1	At least 1 year experience on construction	At least 1 year experience on electrical rehabilitation/upgrading works	Electrician	1	At least 1 year experience on construction	At least 1 year experience on electrical rehabilitation/upgrading works	Aircon Technician	1	At least 1 year experience on construction	At least 1 year experience on electrical rehabilitation/upgrading works	Laborer/Helper	3	Not required	Not required
KEY PERSONNEL	QTY	GENERAL EXPERIENCE	RELEVANT EXPERIENCE																		
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Laborer/Helper	3	Not required	Not required																		

10.5	<p>The minimum major equipment requirements are the following:</p> <table border="1"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Capacity</u></th> <th><u>Number of Units</u></th> </tr> </thead> <tbody> <tr> <td>EQUIPMENT</td> <td>CAPACITY</td> <td>NUMBER OF UNITS</td> </tr> <tr> <td>Electrical Tools</td> <td>5</td> <td>sets</td> </tr> <tr> <td>Multimeter</td> <td>1</td> <td>unit</td> </tr> <tr> <td>Insulator Tester</td> <td>1</td> <td>unit</td> </tr> </tbody> </table>	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>	EQUIPMENT	CAPACITY	NUMBER OF UNITS	Electrical Tools	5	sets	Multimeter	1	unit	Insulator Tester	1	unit
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Insulator 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> <ol style="list-style-type: none"> The amount of not less than 2% of ABC, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; The amount of not less than 5% of ABC if bid security is in Surety Bond. 															
19.2	No further instructions.															
20	<p>The following licenses/s and permit/s shall be required:</p> <ol style="list-style-type: none"> 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 Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located. Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR) Valid PCAB License Category: <u>General Building- C & D</u> and Registration of at least <u>Small B- Building and Industrial Plant</u> 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. Latest income and business tax returns Valid licenses issued by the Professional Regulatory Commission (PRC); <p>No other acceptable proof of registration is recognized.</p>															
21	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.															

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

acquisition and implementation, such as, but not limited to corrupt, fraudulent, collusive, coercive, and obstructive practices as stated in ITB Clause 4.

10. Dayworks

Subject to the guidelines on Variation Order in Annex "E" of the 2016 revised IRR of RA No. 9184, and if applicable as indicated in the SCC, the Dayworks rates in the Contractor's Bid shall be used for small additional amounts of work only when the Procuring Entity's Representative has given written instructions in advance for additional work to be paid for in that way.

11. Program of Work

11.1. The Contractor shall submit to the Procuring Entity's Representative for approval the said Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works. The submissions of the Program of Work are indicated in the SCC.

11.2. The Contractor shall submit to the Procuring Entity's Representative for approval an updated Program of Work at intervals no longer than the period stated in the SCC. If the Contractor does not submit an updated Program of Work within this period, the Procuring Entity's Representative may withhold the amount stated in the SCC from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program of Work has been submitted.

12. Instructions, Inspections and Audits

The Contractor shall permit the GOP or the Procuring Entity to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors of the GOP or the Procuring Entity, as may be required.

13. Advance Payment

The Procuring Entity shall, upon a written request of the Contractor which shall be submitted as a Contract document, make an advance payment to the Contractor in an amount not exceeding fifteen percent (15%) of the total contract price, to be made in lump sum, or at the most two installments according to a schedule specified in the SCC, subject to the requirements in Annex "E" of the 2016 revised IRR of RA No. 9184.

14. Progress Payments

The Contractor may submit a request for payment for Work accomplished. Such requests for payment shall be verified and certified by the Procuring Entity's Representative/Project Engineer. Except as otherwise stipulated in the SCC, materials and equipment delivered on the site but not completely put in place shall not be included for payment.

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 4

Name of Project : **REWIRING OF FEEDER LINES AND REPLACEMENT OF OLD PANELBOARDS**
Location : PCIST, Bambang, Pasig City
Source of Funds : GF/MOOE
Obligated Author : _____
Calendar Days to Complete : 120 days
Desirable Starting Date : _____

MINIMUM EQUIPMENT REQUIREMENT			
DESCRIPTION	NO.	DESCRIPTION	NO.
ELECTRICIAN TOOLS	5	INSULATION TESTER	1
MULTIMETER	1		

TECHNICAL PERSONNEL REQUIRED			
DESCRIPTION	NO.	DESCRIPTION	NO.
ELECTRICAL ENGINEER	1	AIRCON TECHNICIAN	1
ELECTRICIAN	1	HELPER/LABORER	3

ESTIMATED COST OF PROPOSED WORK:

ITEM NO.	DESCRIPTION	% Wt.	QUANTITY	UNIT	UNIT COST	AMOUNT
1.00	MOBILIZATION AND DEMOBILIZATION	0.49%	1.00	lot		
2.00	PRELIMINARIES					
2.01	- Temporary Barricade and Protection Net	4.43%	120.00	lm		
2.02	- Bunkhouse / Temporary Facilities	6.42%	50.00	sq.m		
2.03	- Occupational Safety and Health Program	1.94%	4.00	mos		
2.04	- Water and Electricity Consumption	0.49%	4.00	mos		
2.05	- Rental of Scaffoldings	0.47%	45.00	sq.m		
		13.74%				
3.00	PANELBOARD AND BREAKERS					
3.01	- WIRE GUTTER #1	0.25%	1.00	assy		
	2.0m length x 0.3m depth x 0.4m height, in NEMA 3R Enclosure, Bolt-on Type, with Grounding Terminal Blocks, Powder Coated, G.I. Gauge #14, Surface Mounted, with nameplates on panel body, with lock and keys.					
3.02	- WIRE GUTTER #2	0.44%	1.00	assy		
	3.5m length x 0.3m depth x 0.4m height, in NEMA 3R Enclosure, Bolt-on Type, with Grounding Terminal Blocks, Powder Coated, G.I. Gauge #14, Surface Mounted, with nameplates on panel body, with lock and keys.					
3.03	- POWER PANELBOARD : PP-SMAW (250AT,3P)	3.38%	1.00	assy		
	Main: 250AT, 400AF, 3P, 50 kAIC, MCCB, Common Trip Branches: 2- 50AT, 100AF, 3P, 22 kAIC, MCCB, Common Trip Branches: 7- 50AT, 50AF, 2P, 22 kAIC, MCCB, Common Trip Branches: 1- 20AT, 50AF, 2P, 10 kAIC, MCCB, Common Trip Branches: 1- 50AT, 50AF, 2P, 22 kAIC, MCCB, Common Trip Branches: 1- 30AT, 50AF, 2P, 10 kAIC, MCCB, Common Trip Branches: 1- 30AT, 50AF, 2P, 10 kAIC, MCCB, Common Trip Branches: 1- 60AT, 100AF, 2P, 50 kAIC, MCCB, Common Trip in NEMA 1 Enclosure, Bolt-on Type, with Grounding Terminal Blocks, Powder Coated, G.I. Gauge #16, Surface Mounted, with nameplates on panel body and circuit breakers, with lock and keys.					
3.04	- ENCLOSED CIRCUIT BREAKER : SMAW#1 (60AT, 2P)	0.24%	1.00	assy		
	60AT, 100AF, 2P, 50 kAIC, MCCB, Common Trip in NEMA 3R Enclosure, Bolt-on Type, with Grounding Terminal Blocks, Powder Coated, G.I. Gauge #16, Surface Mounted, with nameplates on panel body, with lock and keys.					
3.05	- ENCLOSED CIRCUIT BREAKER : ECB-WLD#1 (50AT,3P)	1.80%	7.00	assy		
	(typical to ECB-WLD#6) 50AT, 50AF, 3P, 50 kAIC, MCCB, Common Trip in NEMA 3R Enclosure, Bolt-on Type, with Grounding Terminal Blocks, Powder Coated, G.I. Gauge #16, Surface Mounted, with nameplates on panel body, with lock and keys.					
3.06	- ENCLOSED CIRCUIT BREAKER : ECB-WLD#2 (50AT,2P)	1.66%	8.00	assy		
	(typical to ECB-WLD#3, ECB-WLD#4, ECB-WLD#5, ECB-WLD#7, ECB-WLD#8, ECB-WLD#9, ECB-WLD#10) 50AT, 50AF, 2P, 22 kAIC, MCCB, Common Trip in NEMA 3R Enclosure, Bolt-on Type, with Grounding Terminal Blocks, Powder Coated, G.I. Gauge #16, Surface Mounted, with nameplates on panel body, with lock and keys.					
3.07	- ENCLOSED CIRCUIT BREAKER : ECB- EXHAUST COOKERY (30AT,2P) (typical to ECB-EXHAUST PASTRY)	0.17%	2.00	assy		
	30AT, 50AF, 2P, 10 kAIC, MCCB, Common Trip in NEMA 3R Enclosure, Bolt-on Type, with Grounding Terminal Blocks, Powder Coated, G.I. Gauge #16, Surface Mounted, with nameplates on panel body, with lock and keys.					



Name of Project : REWIRING OF FEEDER LINES AND REPLACEMENT OF OLD PANELBOARDS
Location : PCIST, Bambang, Pasig City

ESTIMATED COST OF PROPOSED WORK:

ITEM NO.	DESCRIPTION	% Wt.	QUANTITY	UNIT	UNIT COST	AMOUNT
3.08	- MOLDED CASE CIRCUIT BREAKER : MCCB-COM CKT#1 (typical to MCCB-COM CKT#2, MCCB-COM CKT#3) 30AT, 50AF, 2P, 10 kAIC, MCCB, Common Trip, with nameplate of branch circuit on panel body.	0.15%	3.00	assy		
3.09	- Dismantling of old panelboard, circuit breakers, ECB's, and wire gutters	0.15%	6.00	sets		
3.10	- Tracing and Labeling of Old Circuit Breakers and Panelboards	0.39%	16.00	sets		
3.11	- Repair and Painting of Old/ Existing Panelboards	0.39%	16.00	sets		
		9.01%				
4.00	FIXTURES AND DEVICES					
4.01	- Surfaced Type Luminare, Housing made of sheet, powder coated in white resins, parabolic mirrorized aluminum reflector and multi-lined satin finished louvers, 2 x 9 watts LED lamp, 30t - 40t burning hours, (600 x 600 x 80 mm), 180-264 volts, 150 lumens per lamp or higher.	20.50%	245.00	pcs		
4.02	- Led Downlight, 6"Ø, 6 watts, daylight, with LED Driver	0.25%	8.00	pcs		
4.03	- Weather proof Lighting fixture, polycarbonate housing, with 2x9watts LED tube, daylight, 120lumens per watt .	2.61%	25.00	pcs		
4.04	- Floodlight LED luminaire, 200W, 50k hrs life, 120 lumens/watt, 220-240 volts, 60 Hz @ 95% PF, High Pressure Die cast aluminum casing, with heat resistant silicone rubber gasket, tempered glass with gray paint. Narrow Beam with 60 degree angle.	0.54%	1.00	pc		
4.05	- Floodlight LED luminaire, 100W, 50k hrs life, 120 lumens/watt, 220-240 volts, 60 Hz @ 95% PF, High Pressure Die cast aluminum casing, with heat resistant silicone rubber gasket, tempered glass with gray paint. Narrow Beam with 60 degree angle.	0.31%	1.00	pc		
4.06	- Simplex Outlet, 16Amps Rating with grounding universal type, cover plate, wide type, white	0.17%	36.00	pcs		
4.06	- Duplex Outlet, 16Amps Rating with grounding universal type, cover plate, wide type, white	2.04%	155.00	pcs		
4.07	- Weatherproof Duplex Outlet with cover, 16Amps Rating with grounding universal type, cover plate, wide type, white	0.09%	3.00	pcs		
4.09	- Orbit Fan, 16" diameter	9.09%	90.00	pcs		
4.10	- Emergency Light, Twin Head LED bulb, 230 volts, 20 to 30 hours back up battery run time.	3.64%	36.00	pcs		
4.11	- One Gang Switch, Wide Type, 10Amps rating, with cover plate, wide type, white	0.06%	12.00	pcs		
4.12	- Two Gang Switch, Wide Type, 10Amps rating, with cover plate, wide type, white	0.18%	19.00	pcs		
4.13	- Three Gang Switch, Wide Type, 10Amps rating, with cover plate, wide type, white	0.12%	10.00	pcs		
4.14	- Three Gang Switch, Wide Type, 10Amps rating, with cover plate, wide type, white	0.05%	4.00	pcs		
4.15	- Blank Cover Plate, Wide Type, white	0.00%	2.00	pcs		
4.16	- Dismantling/Removal of replaced lighting fixtures, convenience outlets, orbit fans, emergency lights and switches.	0.47%	389.00	pcs		
		40.13%				
5.00	WIRES, CONDUIT, BOXES AND ACCESSORIES					
5.01	- 14mm ² THHN Stranded Wire (Black,Green)	0.43%	53.00	li.m		
5.02	- 8.0mm ² THHN Stranded Wire (Black,Green)	1.72%	364.00	ii.m		
5.03	- 5.5mm ² THHN Stranded Wire (Black,Green)	1.64%	508.00	li.m		
5.04	- 3.5mm ² THHN Stranded Wire (Black,Green)	9.61%	4,613.00	li.m		
5.05	- 32mmØ (1") PVC Pipe x 10ft. sch. 40	0.09%	9.00	lgt		
5.06	- 25mmØ (3/4") PVC Pipe x 10ft. sch. 40	0.41%	53.00	lgt		
5.07	- 20mmØ (1/2") PVC Pipe x 10ft. sch. 40	4.12%	806.00	lgt		
5.08	- 32mmØ (1" PVC Male Adapter	0.01%	10.00	pcs		
5.09	- 25mmØ (3/4") PVC Male Adapter	0.00%	0.00	pcs		
5.10	- 20mmØ (1/2" PVC Male Adapter	0.09%	212.00	pcs		
5.11	- 32mmØ (1") IMC Locknut and Bushing	0.04%	10.00	pcs		
5.12	- 25mmØ (3/4") IMC Locknut and Bushing	0.00%	0.00	pcs		
5.13	- 20mmØ (1/2") IMC Locknut and Bushing	0.32%	200.00	pcs		
5.14	- Junction Box, with grounding terminal lug, deep type, G.I.Gauge #16	0.28%	99.00	pcs		
5.15	- Utility Box, with grounding terminal lug, deep type, G.I.Gauge #16	0.18%	63.00	pcs		
5.16	- PVC Solvent, 1 Liter	0.23%	8.00	cans		



Name of Project : **REWIRING OF FEEDER LINES AND REPLACEMENT OF OLD PANELBOARDS**
Location : **PCIST, Bambang, Pasig City**

ESTIMATED COST OF PROPOSED WORK:

ITEM NO.	DESCRIPTION	% WL.	QUANTITY	UNIT	UNIT COST	AMOUNT
5.17	- G.I Wires #16	0.04%	8.00	kls		
5.18	- Electrical Tape, Big	0.02%	8.00	rolls		
5.19	- Floor Cable Protector, Heavy Duty	0.28%	6.00	pcs		
5.20	- Waterstop, 200mL	0.08%	3.00	cans		
5.21	- Vulcaseal, 1L	0.11%	3.00	cans		
5.22	- Dismantling of old electrical wires	0.10%	4.00	sets		
5.23	- Restoration, Painting, Metal Furring, and Cladding of Exposed Pipes	1.09%	90.00	li.m		
5.24	- Installation of New Ceiling 10mm thk Gypsum Plasterboard, Other accessories including hanging rod support, Wall and Carrying Angle, Blind Rivet, Tekscrew Suspension Clip, Rod Runner and Driver Pin on a 50x75mm Metal Furring Framing Support spaced @600mm OC bothways	6.56%	120.00	sq. m		
5.25	- Dismantling/Removal of Existing Ceiling	0.44%	120.00	sq. m		
5.26	- Painting of Ceiling	0.82%	120.00	sq. m		
5.27	- Hangers, Supports, and Accessories Including angle bar, clamp, full thread, screws, bolts and nuts, flat washer, hauling, painting, and other accessories.	0.19%	16.00	sets		
		28.92%				
6.00	MECHANICAL WORKS					
6.01	- Wall Mounted Exhaust Fan, 45W, 12" fan diameter, 230V with shutter blades.	3.15%	20.00	units		
6.02	- Ceiling Mounted Exhaust Fan, 300mmx300mm, 230V,	1.66%	10.00	units		
6.03	- Aluminum Flexible Duct (w/o insulation), 4" Diameter	0.38%	20.00	li.m		
6.04	- 90mm(3")Ø PVC Pipe, sch. 40	0.56%	12.00	pcs		
6.05	- 3" Stainless Circular Wall Metallic Air Vent Cap	0.08%	2.00	pcs		
6.06	- Junction Box, with grounding terminal lug, deep type, G.I. Gauge #16	0.03%	10.00	pcs		
6.07	- Utility Box, with grounding terminal lug, deep type, G.I. Gauge #16,	0.06%	20.00	pcs		
6.08	- Duct tape big	0.11%	5.00	rolls		
6.09	- Full tread round bar 3/8" Ø	0.15%	20.00	lgt		
6.10	- Nut with washer, 3/8"	0.14%	40.00	pcs		
6.11	- Anchor Grip, 3/8" (50pcs per box)	0.03%	2.00	boxes		
6.12	- Repair and Cleaning of Window Type AC Units	0.24%	2.00	units		
6.13	- 25mm Ø, PVC S-Blue	0.02%	4.00	10ft/lgt		
6.14	- PVC S-Blue fittings (elbow and tee) 1'	0.20%	12.00	pcs		
6.15	- Polyethylene Tape (blue)	0.11%	3.00	rolls		
6.16	- Other Accessories Including angle bar, clamp, screws, bolts and nuts, flat washer, hauling, repainting of supports and, restoration.	0.36%	30.00	sets		
		7.28%				



Name of Project : REWIRING OF FEEDER LINES AND REPLACEMENT OF OLD PANELBOARDS
Location : PCIST, Bambang, Pasig City

ESTIMATED COST OF PROPOSED WORK:

ITEM NO.	DESCRIPTION	% Wt.	QUANTITY	UNIT	UNIT COST	AMOUNT
7.00	MISCELLANEOUS					
7.01	- Operation and Maintenance Manual Handbook	0.44%	3.00	sets		
		0.44%				

100%

Section VII. Drawings

GENERAL NOTES AND SPECIFICATIONS:

1. ALL ELECTRICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE REGULATIONS AND THE LAWS AND ORDINANCES OF THE LOCAL ENFORCING AUTHORITIES 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, PANELBOARDS AND EQUIPMENTS SHALL BE PROPERLY GROUNDING AND BONDED BY MEANS OF COPPER STRAPS, CONNECTION TO GROUND AND SHALL BE EXPOSED READILY ACCESSIBLE FOR INSPECTION.
4. LIGHTING AND POWER BRANCH CIRCUIT WITHOUT DESIGNATION SHALL BE 3-WIRE, 2.3mm² THIN + 1 - 2.0mm² THIN IN 15mm⁶ PVC CONDUIT.
5. MINIMUM SIZE OF WIRE SHALL BE 3.5mm² THIN IN 15mm⁶ CONDUIT UNLESS OTHERWISE SHOWN ON PLANS.
6. ALL BOXES SHALL BE MADE OF CODE GAUGE STEEL WITH ZINC CHROMATE PROTECTION.
7. ALL PANEL BOARD SHALL BE OF DEADFRONT CONSTRUCTION FINISH WITH TRIM FOR FLUSH OR SURFACED MOUNTING THE TRIM FOR ALL PANEL BOARD SHALL BE FINISHED IN INDUSTRIAL GRAY POWDER COAT.
8. PANEL BOARD MAIN BUS SHALL BE FDAL OR EXCEED OVER CURRENT PROTECTIVE DEVICE IMMEDIATELY AHEAD OF IT.
9. ALL CONDUIT EMBEDDED ON SLAB SHALL BE POLYVINYL CHLORIDE SCHEDULE 40 WITHOUT EXCEPTION FLEXIBLE CONDUIT IS NOT ALLOWED.
10. ALL RECEPTACLE OUTLETS SHALL BE PROPERLY GROUNDING TO THE BOX BY MEANS OF GROUNDING LUGS.
11. PULL-BOXES SHALL BE PROVIDED BY THE CONTRACTOR, WORKMAN NECESSARY TO FACILITATE WIRE PULLING EVEN IF THESE WERE NOT INDICATED ON THE PLANS.
12. THE ELECTRICAL CONTRACTOR SHALL SUBMIT SAMPLE OF MATERIALS, EQUIPMENT AND SHOP DRAWINGS TO BE USED FOR THE PROJECT. THESE INSTALLATION SHALL BE DONE FOR FINAL APPROVAL OF ARCHITECT / ENGINEER.
13. ALL ELECTRICAL WORKS SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DAILY LICENSED ELECTRICAL ENGINEER OR MASTER ELECTRICIAN.

IMPORTANT NOTES:

1. THE CONTRACTOR SHALL SUBMIT A REQUEST LETTER TO END USER AND ENGINEERING OFFICE FOR THE INSTALLATION OF ELECTRIC SUPPLY FOR TEMPORARY POWER SUPPLY DURING CONSTRUCTION.
2. THE CONTRACTOR SHALL NOTIFY THE DESIGNER FOR ALL THE ALTERATION, CHANGES, OR REVISION ON THE ORIGINAL PLANS.
3. THE CONTRACTOR SHALL DURING THE PROGRESS OF THE WORKS SHALL KEEP A CAREFUL RECORDS OF ALL CHANGES WHERE THE ACTUAL INSTALLATION DIFFERS FROM THAT SHOWN ON THE CONTRACT DRAWING UPON COMPLETION, THE CONTRACTOR SHALL IN A CLEAR AND ACCURATE MANNER FINALIZED "AS-BUILT PLAN" THESE PLAN SHALL BE SUBMITTED TO THE PROJECT IN-CHARGE ENGINEER FOR FINAL INSPECTION AND APPROVAL.
4. POWER SERVICE APPLICATION SHALL BE OBTAINED AND AT THE EXPENSE OF THE CONTRACTOR, THE CONTRACTOR SHALL COMPLY WITH ALL THE REQUIREMENTS OF THE UTILITY COMPANIES WITH REGARDS TO THEIR SERVICE APPLICATION.
5. IT SHALL BE THE RESPONSIBILITIES OF THE CONTRACTOR TO TEST ALL THE SYSTEM OF THE ELECTRICAL INSTALLATION FOR PROPER OPERATIONAL CONDITION.
6. THE CONTRACTOR'S ELECTRICAL ENGINEER SHALL CERTIFY THAT THE ELECTRICAL SYSTEM ARE FREE FROM GROUND SHORT CIRCUIT AND ALL DEFECTS.
7. THE CONTRACTOR SHALL SUBMIT SAMPLE OF MATERIALS, FIXTURES, AND BOXES FOR APPROVAL OF THE DESIGNER BEFORE INSTALLATION.
8. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PANEL BOARDS FOR APPROVAL BEFORE FABRICATION AND INSTALLATION.

CONFORMED AND ACCEPTED BY:

CONTRACTOR

REPUBLIC OF THE PHILIPPINES
CITY OF PASIG

PROJECT TITLE
REWIRING OF FEEDER LINES AND REPLACEMENT OF OLD PANELBOARDS

ENGINEERING DEPARTMENT

LOCATION: PASIG BAMBANG, PASIG CITY

ELECTRICAL

ENGR. CHRISTOPHER P. SOLOMON
PROJECT ENGINEER

ENGR. JORGE L. TIZON
CIC ELECTRICAL MANUFACTURING SECTION

ENGR. JUAN P. BRUNO
CIC ELECTRICAL MANUFACTURING SECTION

ENGR. ARTAXERES V. GERONIMO
OFFICER IN CHARGE, ENGINEERING DEPARTMENT

VICTOR MA. REGIS N. SOTTO
CITY MAYOR

AS SHOWN

SHEET NO. E 01 09

SCOPE OF WORKS:

1. REPLACEMENT OF SOME CIRCUIT BREAKERS.
2. REPLACEMENT OF WIRE GUTTERS IN ELECTRICAL ROOM.
3. REPLACEMENT OF ALL LIGHTING FIXTURES TO LED.
4. REPAIR AND REPAINTING OF SOME PANEL BOARDS.
5. REPLACEMENT OF DEFECTIVE SWITCHES, CIRCUIT BREAKERS, CONVENIENCE OUTLETS AND EMERGENCY LIGHTS.
6. INSTALLATION OF ADDITIONAL LED LIGHTING FIXTURES, SWITCHES, DRIBBIT FANS, CONVENIENCE OUTLETS AND EMERGENCY LIGHTS.
7. INSTALLATION OF WALL TYPE AND CEILING TYPE EXHAUST FANS.
8. REPAIR AND CLEANING OF EXISTING WINDOW TYPE A/C UNITS.

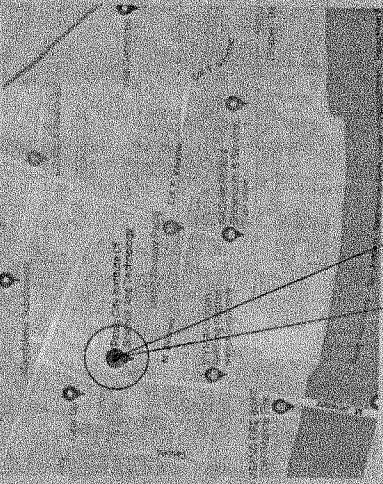
APPROVED BASIC ELECTRICAL and MECHANICAL MATERIALS

- A. WIRES AND CABLES
 1. Philex Dura
 2. Philex
 3. Duraflex
 4. Royal
 - B. CIRCUIT BREAKERS
 1. Schneider
 2. ABB
 3. Mitsubishi
 4. Hachi
 5. G.E. (15AAT to 150AAT)
 6. ABB (15AAT to 150AAT)
 - C. OUTLET
 1. Dupont Outlet and Dupont Outlet Universal Type with Grounding (16A)
 2. National / Panasonic
 3. G. E
 4. Teco
 5. Eaton
 - D. PVC CONDUITS (Schletelux 40)
 1. Philex
 2. Masanusa
 3. AKGIB
 4. NCS
 - F. FIXTURES
 1. Philex
 2. G.E
 3. Osram
 4. Philips
- ALL MATERIALS AND EQUIPMENT ARE SUBJECT FOR APPROVAL. PROVIDE MATERIALS FOR APPROVAL SPECIFICATION BEFORE START OF THE PROJECT.

LEGEND:

- 80mmx80mm 2-Way Surface Mounted Luminaires with Aluminum Reflector
- 8' Led Downlight
- 200W Weather proof lighting fixture, polycarbonate housing
- Fluorlight, 200W Daylight
- Fluorlight, 100W Daylight
- Onel Fan 16"
- 300mmx600mm Exhaust Fan, Ceiling Type
- 12" Exhaust Fan, Wall Type
- Dupont Convenience Outlet
- Dupont Convenience Outlet, Waterproof
- Dupont Convenience Outlet, Weatherproof
- Weather ACU Outlet
- Panelboard / EGS
- Weather Type AC Unit
- One Gang Switch
- Three Gang Switch
- Onel Fan Switch
- Exhaust Fan Switch
- Emergency Light, Twin tube with sensor outlet
- Circuit Holder

VICINITY MAP



THE SITE REPLACEMENT OF FEEDER LINES REPLACEMENT OF OLD PANELBOARDS @ PCIST BAMBANG (ELECTRICAL WORKS)
PO ALVAREZ ST. BRGY. BAMBANG PASIG CITY

IMPORTANT NOTES

1. NO ALTERATION AND SPECIFICATIONS SHALL BE MADE TO THE ORIGINAL DRAWING UPON COMPLETION OF THE PROJECT.
2. IN ANY CASE, THE CONSTRUCTION MENSURED BY THE CONTRACTOR SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL ENFORCING AUTHORITIES AND THE REQUIREMENTS OF THE LOCAL POWER UTILITY.
3. IN CASE OF ANY DISCREPANCY OR AMBIGUITY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF THE SAME.
4. NO VIOLATION OF THE INSTRUCTION SHALL BE COMMITTED AT THE EXPENSE OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING UTILITIES AND STRUCTURES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING UTILITIES AND STRUCTURES.

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

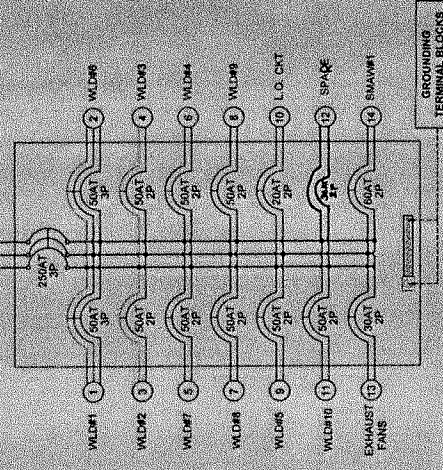
NEW PANELBOARD: For Rewiring

LOAD SCHEDULE: PP-SMAW (Power Panelboard at SMAW Ground Floor) **250 AT / 400 AF / 230 V / 3P / MCCB**

CKT NO.	LOAD DESCRIPTION		AMPS LOAD			CIRCUIT RATING			TRADE SIZE			
	LO	CO	VA	W	CA	AF	BC	AT	AF	POLE	WIRE	CONDUIT
1	WLDH1	WLDH1	4,692	230	20.46	50	50	50	3	3	3 - 8.0mm ² THHN + 1 - 5.5mm ² THHN	25mm ² Ø PVC
2	WLDH2	WLDH2	4,692	230	20.46	50	50	50	3	3	3 - 8.0mm ² THHN + 1 - 5.5mm ² THHN	25mm ² Ø PVC
3	WLDH3	WLDH3	5,524	230	25.80	50	50	50	2	2	2 - 8.0mm ² THHN + 1 - 5.5mm ² THHN	25mm ² Ø PVC
4	WLDH4	WLDH4	5,524	230	25.80	50	50	50	2	2	2 - 8.0mm ² THHN + 1 - 5.5mm ² THHN	25mm ² Ø PVC
5	WLDH5	WLDH5	7,452	230	33.40	50	50	50	2	2	2 - 8.0mm ² THHN + 1 - 5.5mm ² THHN	25mm ² Ø PVC
6	WLDH6	WLDH6	5,524	230	25.80	50	50	50	2	2	2 - 8.0mm ² THHN + 1 - 5.5mm ² THHN	25mm ² Ø PVC
7	WLDH6	WLDH6	7,452	230	33.40	50	50	50	2	2	2 - 8.0mm ² THHN + 1 - 5.5mm ² THHN	25mm ² Ø PVC
8	WLDH6	WLDH6	7,452	230	33.40	50	50	50	2	2	2 - 8.0mm ² THHN + 1 - 5.5mm ² THHN	25mm ² Ø PVC
9	WLDH6	WLDH6	5,524	230	25.80	50	50	50	2	2	2 - 8.0mm ² THHN + 1 - 5.5mm ² THHN	25mm ² Ø PVC
10	WLDH6	WLDH6	1,000	230	4.35	20	20	20	2	2	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN	25mm ² Ø PVC
11	WLDH6	WLDH6	3,924	230	25.80	50	50	50	2	2	2 - 8.0mm ² THHN + 1 - 5.5mm ² THHN	25mm ² Ø PVC
12	SPACE	SPACE				30	30	30	2	2	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN	25mm ² Ø PVC
13	1Ø Exhaust Fans	1Ø Exhaust Fans	2,000	230	8.70	30	30	30	2	2	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN	25mm ² Ø PVC
14	SMAWH1	SMAWH1	3,000	230	13.00	50	50	50	2	2	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN	25mm ² Ø PVC
	TOTAL	TOTAL	67,416	230	40.80	81.78	84.00	81.50				

MAIN CBR: 250AT/400AF/230V/3P/MCCB
COMPUTATION OF LOAD: I_{max} = 202.74 AMPS
MAIN FEEDER LINE: 2 - 35.0mm² THHN, 1 - 14.0mm² THHN, 1 - 10.0mm² THHN

Welding Machines at 60% of Full Load.



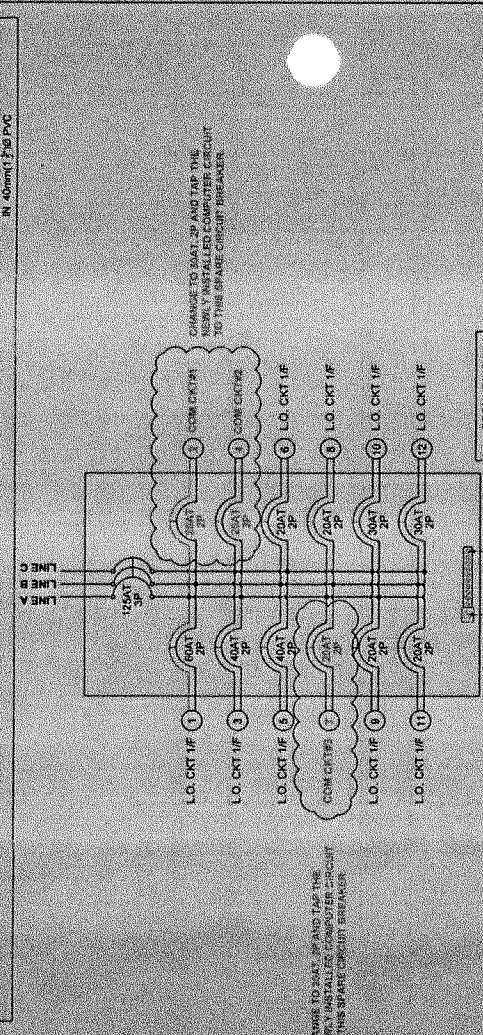
PP-SMAW PANELBOARD DETAIL
SCALE: 2/b N.T.S.

EXISTING PANELBOARD: For Replacement of Circuit Breakers, Repair and Repainting of Panelboard.

LOAD SCHEDULE: LP-B (Lighting Panelboard at Computer Room Second Floor) **125 AT / 225 AF / 230 V / 3P / MCCB**

CKT NO.	LOAD DESCRIPTION		AMPS LOAD			CIRCUIT RATING			TRADE SIZE			
	LO	CO	VA	W	CA	AF	BC	AT	AF	POLE	WIRE	CONDUIT
1	ECB-Machine	ECB-Machine	4,690	230	20.00	60	60	60	2	2	2 - 14.0mm ² THHN + 1 - 5.5mm ² THHN	35mm ² Ø PVC
2	Emergency Lights	Emergency Lights	1,800	230	7.82	30	30	30	2	2	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN	25mm ² Ø PVC
3	ACU	ACU	2,760	230	12.00	40	40	40	2	2	2 - 8.0mm ² THHN + 1 - 5.5mm ² THHN	25mm ² Ø PVC
4	Emergency Lights	Emergency Lights	1,800	230	7.82	30	30	30	2	2	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN	25mm ² Ø PVC
5	ACU	ACU	2,760	230	12.00	40	40	40	2	2	2 - 8.0mm ² THHN + 1 - 5.5mm ² THHN	25mm ² Ø PVC
6	Emergency Lights	Emergency Lights	2,500	230	11.30	30	30	30	2	2	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN	25mm ² Ø PVC
7	Emergency Lights	Emergency Lights	1,800	230	7.82	30	30	30	2	2	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN	25mm ² Ø PVC
8	Emergency Lights	Emergency Lights	1,500	230	6.52	20	20	20	2	2	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN	25mm ² Ø PVC
9	Emergency Lights	Emergency Lights	1,500	230	6.52	20	20	20	2	2	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN	25mm ² Ø PVC
10	SPACE	SPACE				30	30	30	2	2	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN	25mm ² Ø PVC
11	SPACE	SPACE				13.01	20	20	2	2	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN	25mm ² Ø PVC
12	SPACE	SPACE				30	30	30	2	2	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN	25mm ² Ø PVC
	TOTAL	TOTAL	29,326	230	43.17	48.09	57.22					

MAIN CBR: 125AT/225AF/230V/3P/MCCB
COMPUTATION OF LOAD: I_{max} = 86.23 AMPS
MAIN FEEDER LINE: 2 - 38.0mm² THHN, 1 - 14.0mm² THHN, 1 - 10.0mm² THHN



LP-B (EXISTING) PANELBOARD DETAIL
SCALE: 2/b N.T.S.

NOTE: SOME OLD/EXISTING PANELBOARDS ARE FOR REPAIR AND REPAINTING AND SOME ARE FOR REMOVAL.

REPUBLIC OF THE PHILIPPINES
CITY OF PASIG

PROJECT TITLE: **REWIRING OF FEEDER LINES AND REPLACEMENT OF OLD PANELBOARDS**

ENGINEERING DEPARTMENT

LOCATION: **POST: BAMBANG, PASIG CITY**

RECOMMENDING APPROVAL: *[Signature]* ENGR. JORGE L. TIZON
CIC ELECTRICAL, INFRASTRUCTURE SECTION

APPROVED BY: *[Signature]* ENGR. ARTA XES Y. GERONIMO
OFFICER-IN-CHARGE, ELECTRICAL DIVISION

CHECKED BY: *[Signature]* ENGR. CHRISTIAN BENEDICT C. SOLOMON
PROJECT MANAGER

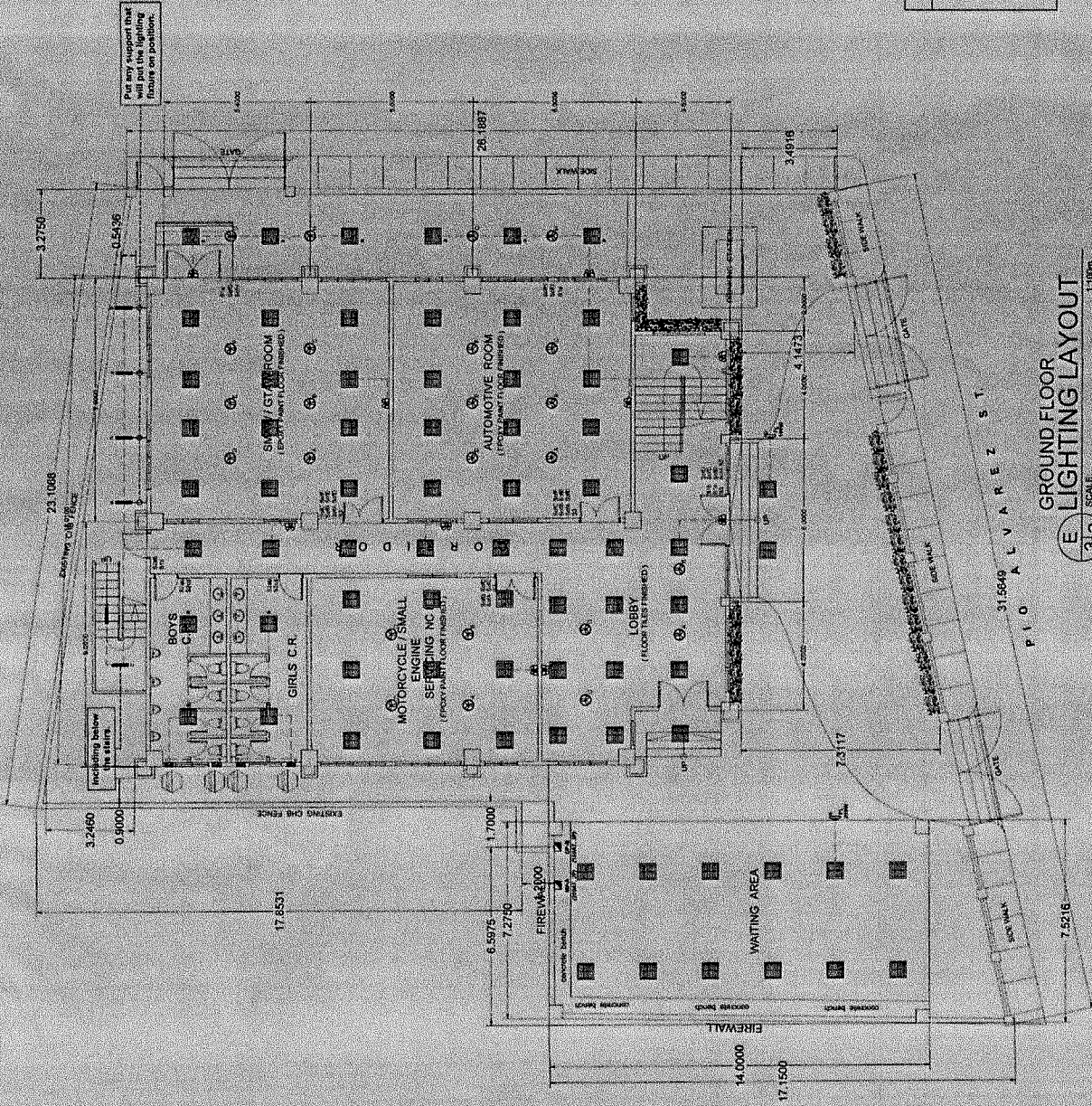
PROJECT NO. **02 09**

AS SHOWN

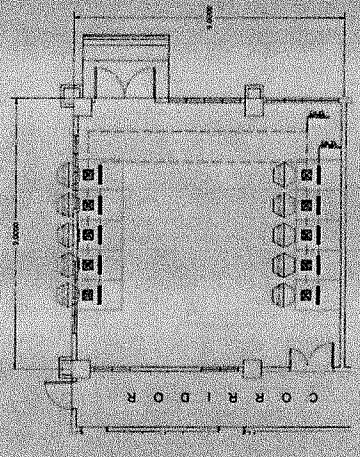
SHEET CONTENTS: **E**

CONFORME & ACCEPTED BY: *[Signature]* VICTOR W. REGISTRO
CITY MAYOR

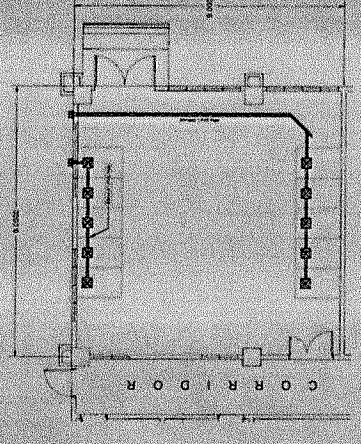
CONTRACTOR



E 31b
SCALE
GROUND FLOOR LIGHTING LAYOUT
1:100m



E 51b
SCALE
SMWW/GTAW ROOM AT GROUND FLOOR CUBICLE ELECTRICAL LAYOUT
1:100m



E 51c
SCALE
SMWW/GTAW ROOM AT GROUND FLOOR CUBICLE EXHAUST LAYOUT
1:100m

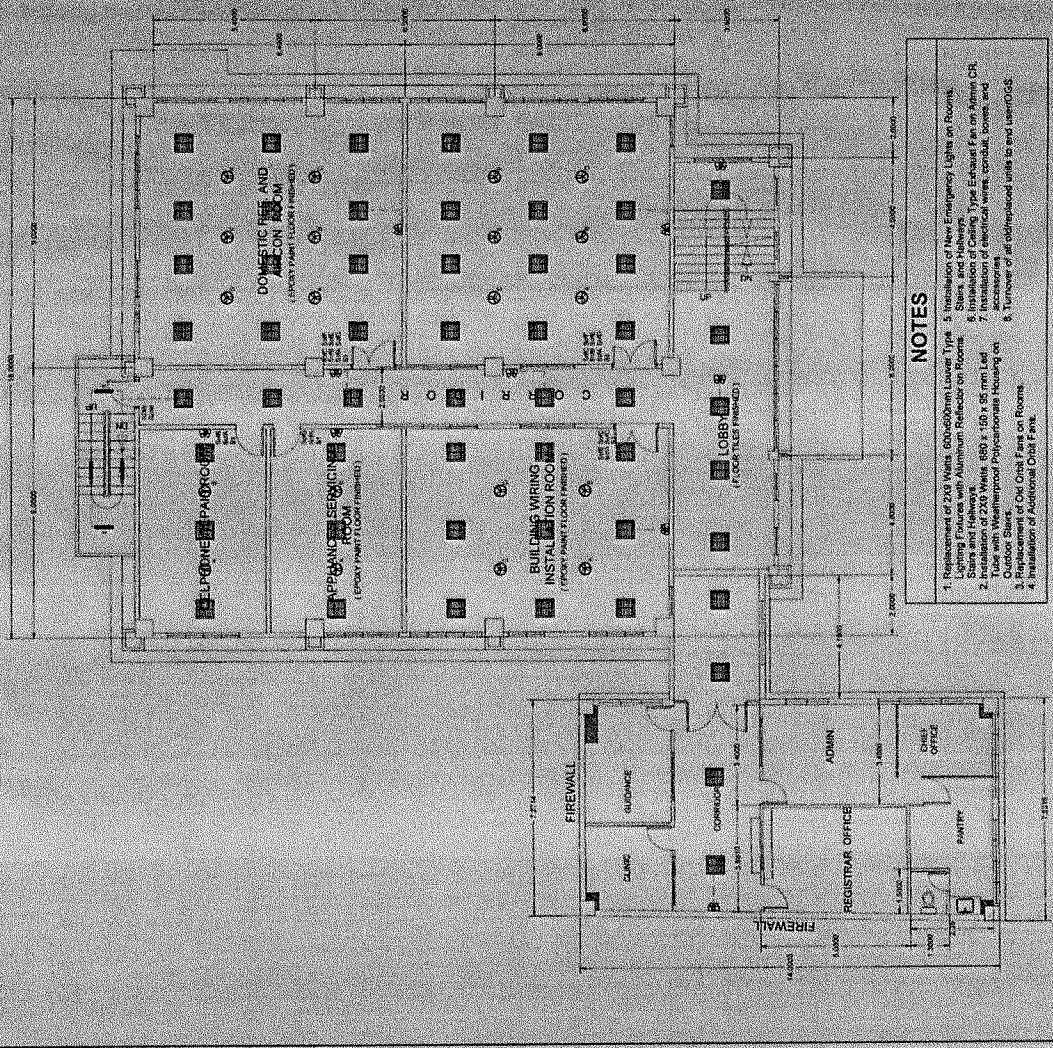
- NOTES**
1. Replacement of Old Wires, 800x600mm Lower Type Lighting Fixture with Aluminum Reflector Type New Emergency Lights on Rooms, Stairs and Hallways.
 2. Installation of 200 Type LED's 20mm Led Tube with Mesh Guard on the Ceiling of Old Exhaust Room, Proposed Corridor Area, and SMWW Room.
 3. Installation of Ceiling Type Exhaust Fans in SMWW Room.
 4. Installation of Wall Type Exhaust Fans on CR.
 5. Installation of electrical wire, conduit, boxes and Raceway.
 6. Replacement of Old Cold Fan for Rooms.
 7. Turnover of all old/replaceable units to end users/OSG.
 8. Installation of Additional Cold Fan.
 9. Removal of Old Emergency Lights and Installation of New Emergency Lights on Rooms, Stairs and Hallways.
 10. Installation of Ceiling Type Exhaust Fans in SMWW Room.
 11. Installation of Wall Type Exhaust Fans on CR.
 12. Turnover of all old/replaceable units to end users/OSG.

REPUBLIC OF THE PHILIPPINES CITY OF PASIG OFFICE OF THE MAYOR ENGINEERING DEPARTMENT	PROJECT TITLE REWIRING OF FEEDER LINES AND REPLACEMENT OF OLD PANELBOARDS	PROJECT LOCATION PCBT, BAMBANG, PASIG CITY	RECOMMENDING APPROVAL: ENGR. ARTAVERDEY GERONIMO OFFICE INCHARGE ENGINEERING DEPARTMENT	APPROVED BY: VICTOR MA REGIS N. SOTTO CITY MAYOR	SHEET CONTENTS: AS SHOWN	SHEET NO. E 03 09
	CHECKED BY: ENGR. JOSE L. TIZON CHIEF ELECTRICAL INFRASTRUCTURE SECTION	REVIEWED BY: ENGR. JOSE L. TIZON CHIEF ELECTRICAL INFRASTRUCTURE SECTION				

IMPORTANT NOTES:

1. NO ALTERATION IN PANEL BOARD SPECIFICATIONS SHALL BE MADE.
2. IN MANY CASES THE CONTRACTOR SHALL BE REQUIRED BY THE OWNER TO PROVIDE THE NECESSARY MATERIALS AND LABOR FOR THE WORK TO BE PERFORMED.
3. IN CASES WHERE THE CONTRACTOR SUBMITTALS ARE NOT APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF THE REVISIONS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXPENSE OF THE REVISIONS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXPENSE OF THE REVISIONS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXPENSE OF THE REVISIONS.

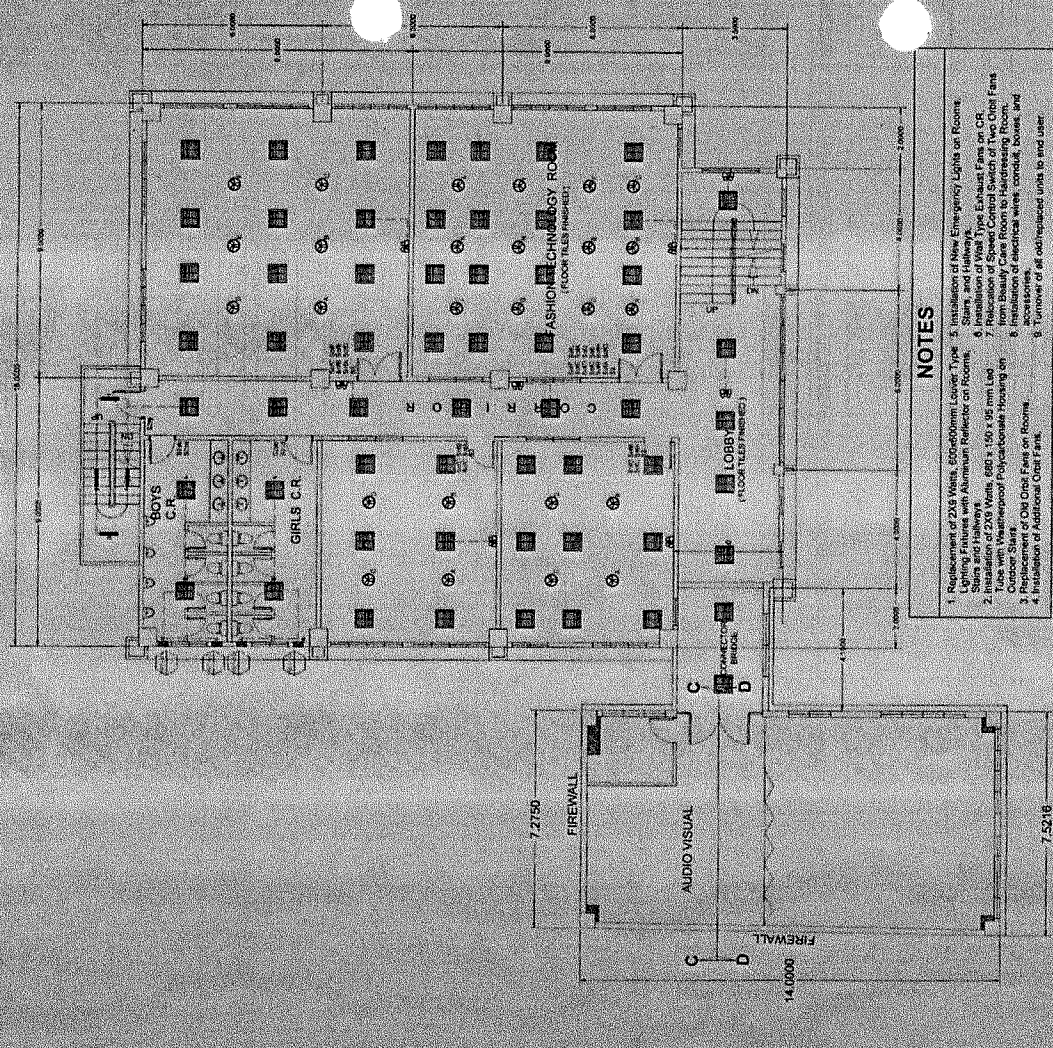
CONFORME & ACCEPTED BY:
C O N T R A C T O R



NOTES

1. Replacement of 210 Watts, 600x600mm Linear T8 Type Lighting Fixtures with Aluminum Reflector on Rooms.
2. Installation of 220 Watts, 600 x 150 x 45 mm Led Tube with Weatherproof Polycarbonate Housing on Floor Slab.
3. Installation of One Oak Fan on Rooms.
4. Installation of Additional Outlet Fans.
5. Installation of New Emergency Lights on Rooms.
6. Installation of Wall Type Exhaust Fans on CR.
7. Installation of electrical wires, conduit, boxes, and accessories.
8. Turnover of all out-of-date units to end user.

SECOND FLOOR LIGHTING LAYOUT
SCALE: 3/8" = 1'-0"



NOTES

1. Replacement of 235 Watts, 600x600mm Linear T8 Type Lighting Fixtures with Aluminum Reflector on Rooms.
2. Installation of 220 Watts, 600 x 150 x 45 mm Led Tube with Weatherproof Polycarbonate Housing on Floor Slab.
3. Installation of One Oak Fan on Rooms.
4. Installation of Additional Outlet Fans.
5. Installation of New Emergency Lights on Rooms.
6. Installation of Wall Type Exhaust Fans on CR.
7. Installation of electrical wires, conduit, boxes, and accessories.
8. Turnover of all out-of-date units to end user.

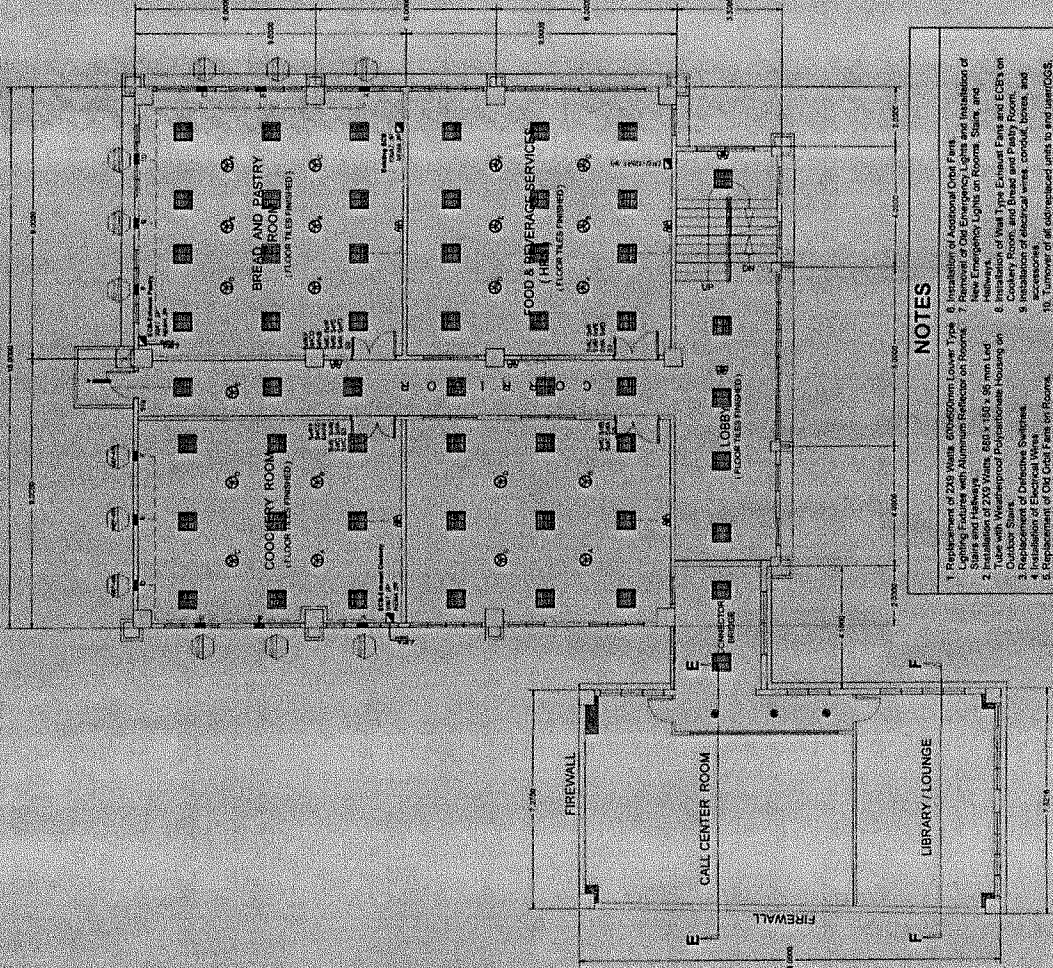
THIRD FLOOR LIGHTING LAYOUT
SCALE: 3/8" = 1'-0"

<p>REPUBLIC OF THE PHILIPPINES CITY OF PASIG OFFICE OF THE MAYOR ENGINEERING DEPARTMENT</p>	<p>PROJECT TITLE REWRING OF FEEDER LINES AND REPLACEMENT OF OLD PANELBOARDS</p> <p>LOCATION: PCST BAMBANG PASIG CITY</p>	<p>CHECKED BY ENGR. CRISTIAN BENEDICT C. SOLOMON ELECTRICAL</p>	<p>REVIEWED BY ENGR. JORGE L. TIZON ELECTRICAL</p>	<p>RECOMMENDING APPROVAL ENGR. ARTA XERXES V. GERONIMO ELECTRICAL</p>	<p>APPROVED BY VICTOR MAR REGIS N. SOTTO CITY MAYOR</p>	<p>SHEET CONTENTS AS SHOWN</p>	<p>SHEET NO. E 04 09</p>
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IMPORTANT NOTES:

1. NO ALTERATION SHALL BE MADE TO THE EXISTING STRUCTURE AND UTILITIES WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.
2. IN ANY CASE THE CONSTRUCTION METHODOLOGY SHALL BE APPROVED BY THE ARCHITECT BEFORE COMMENCING WORK.
3. IN CASE OF DISCREPANCY IN THE DRAWING, THE LAST US SHALL BE SHOWN UNLESS OTHERWISE SPECIFIED.
4. THE ARCHITECT SHALL BE ADVISED OF ANY DISCREPANCY TO THE CONTRACTOR.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE LOCAL GOVERNMENT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN ON THE PROJECT.

CONFORME & ACCEPTED BY
CONTRACTOR



NOTES

1. Replacement of 250 Watts, 4000K Color Temp. LED Lighting Fixtures with Aluminum Reflector on Rooms, Stairs and Hallways.
2. Installation of 250 Watts, 800 x 150 x 45 mm Led Lighting Fixtures with Aluminum Reflector on Corridor, Staircase, Lobby, and Restroom.
3. Replacement of Existing Switches.
4. Installation of Electrical Wires.
5. Replacement of Old Conduit Pipe of Rooms.
6. Installation of Additional Color Temp. LED Lighting Fixtures on Rooms, Stairs, and Hallways.
7. Removal of Old Emergency Lights on Rooms, Stairs, and Hallways.
8. Installation of New 3-1/2" Emergency Exit Light on Corridor, Staircase, Lobby, and Restroom.
9. Installation of electrical wires, conduit, boxes, and accessories.
10. Turnover of all submittal units to field installers.

**FOURTH FLOOR
E LIGHTING LAYOUT**
SCALE: 1/1000

REPUBLIC OF THE PHILIPPINES CITY OF PASIG OFFICE OF THE MAYOR ENGINEERING DEPARTMENT	PROJECT TITLE REWIRING OF FEEDER LINES AND REPLACEMENT OF OLD PANELBOARDS	PROJECT INCHARGE ENGR. CHRISTIAN BENEDICT C. SOLOMON	CHECKED BY ENGR. JOSE L. TIZON <small>OR. ELECTRICAL INFRASTRUCTURE SECTION</small>	REVIEWED BY ENGR. JACOB B. PRUDENCIO <small>OR. ELECTRICAL INFRASTRUCTURE SECTION</small>	RECOMMENDING APPROVAL ENGR. ART ALEXANDER G. GERONIMO <small>OFFICE IN-CHARGE ENGINEERING DEPARTMENT</small>	APPROVED BY VICTOR M. REGIS N. SOTTO <small>CITY MAYOR</small>	SHEET CONTENTS AS SHOWN	SHEET NO. E 05 09
	LOCATION: PASIG, BAMBANG, PASIG CITY	PROJECT INCHARGE ENGR. CHRISTIAN BENEDICT C. SOLOMON	CHECKED BY ENGR. JOSE L. TIZON <small>OR. ELECTRICAL INFRASTRUCTURE SECTION</small>	REVIEWED BY ENGR. JACOB B. PRUDENCIO <small>OR. ELECTRICAL INFRASTRUCTURE SECTION</small>	RECOMMENDING APPROVAL ENGR. ART ALEXANDER G. GERONIMO <small>OFFICE IN-CHARGE ENGINEERING DEPARTMENT</small>	APPROVED BY VICTOR M. REGIS N. SOTTO <small>CITY MAYOR</small>	SHEET CONTENTS AS SHOWN	SHEET NO. E 05 09

IMPORTANT NOTES:
 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL ELECTRICAL CODE (NEC) OF THE PHILIPPINES.
 2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL ELECTRICAL CODE (NEC) OF THE PHILIPPINES.
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 6. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL ELECTRICAL CODE (NEC) OF THE PHILIPPINES.

CONFORME & ACCEPTED BY:
CONTRACTOR

MECHANICAL 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/PIEDESTALS
- 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 DIVNER.
- ALL INSULATED MECHANICAL PIPES THAT ARE EXPOSED SHALL BE CLADDED WITH ALUMINUM SHEET OF MACHINESHOP 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-COMFORMANCE 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.

PROVIDE WARRANTY PAPERS AND SERVICE/TESTING REPORT.
 INSTRUCT END USER FOR OPERATIONAL MANUAL OF THE UNIT.

MECHANICAL EQUIPMENT SCHEDULE - AC UNITS (WACU)

ACU TAGNAME AND CAPACITY	SPECIFIC TYPON	QTY	AREA SERVE	TYPE OF INSULATION	ELECTRICAL DATA		REMARKS	REFRIGERANT TYPE
					VOLT PHASE	FREQUENCY		
   	Window Units for Existing for Cleaning and Repair	2 each	Second Floor	Rubber Insulation	230V - 1ϕ	60Hz	Inverter Type	R410A R32

MECHANICAL EQUIPMENT SCHEDULE - EXHAUST FANS

ACU TAGNAME AND CAPACITY	SPECIFICATION	QTY	AREA SERVE	ELECTRICAL DATA	
				VOLT PHASE	FREQUENCY
  	Wall Type with Shutter	4	Ground Floor Corridor Room	230V - 1ϕ	60Hz
  	Ceiling Type	10	Ground Floor Shop	230V - 1ϕ	60Hz
  	Wall Type with Shutter	4	Third Floor Corridor Room	230V - 1ϕ	60Hz
  	Wall Type with Shutter	6	Fourth Floor Corridor	230V - 1ϕ	60Hz
  	Wall Type with Shutter	6	Fourth Floor Pabery	230V - 1ϕ	60Hz

<p>REPUBLIC OF THE PHILIPPINES CITY OF PASIG OFFICE OF THE MAYOR ENGINEERING DEPARTMENT</p>	<p>PROJECT TITLE REPAIRING OF FEEDER LINES AND REPLACEMENT OF OLD PANELBOARDS</p> <p>LOCATION: PASIG, BAMBANG, PASIG CITY</p>	<p>ELECTRICAL</p> <p>ENGR. CHRISTIAN BENEDECT C. SOLOMON PROJECT MANAGER</p> <p>ENGR. JORGE L. TIZON DC ELECTRICAL INFRASTRUCTURE SECTION</p>	<p>REVIEWED BY</p> <p>ENGR. JUAN P. PRUDENCIO CHIEF ELECTRICAL DIVISION</p>	<p>APPROVED BY</p> <p>VICTOR ARREGES N. SOTTO CITY MAYOR</p>	<p>SHEET CONTENTS AS SHOWN</p> <p>SHEET NO. E 06 09</p> <p>CADD</p>
<p>RECOMMENDING APPROVAL</p> <p>ENGR. ARTAXERES V. GERONIMO OFFICE MANAGER, ENGINEERING DEPARTMENT</p>		<p>CONFORME & ACCEPTED BY</p> <p>CONTRACTOR</p>		<p>CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROJECT</p>	

WORKING NOTES

1. WALL TYPE OPENING AND WALL TYPE SHALL BE PROVIDED AND PARTIALLY
2. EXHAUST FAN SHALL BE PROVIDED AND PARTIALLY
3. THE USE OF EXHAUST FAN IN THE DRAWING SHALL BE PROVIDED AND PARTIALLY
4. CONSTRUCTION OF THIS INSTRUCTION SHALL BE CONNECTED AT THE OPTION OF THE CONTRACTOR
5. PROJECT IN COMPLIANCE WITH THE PROVISIONS OF THE DEPARTMENT OF ALL
6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROJECT

ENCLOSED CIRCUIT BREAKER: ECB-WLDK2 and ECB-WLDK3
 50 AT, 50 AF, 3P, MCCB, Common Trip
 Back-On Type, With Grounding Terminal Block, NEMA 3R Enclosure, G.I. GAH8 Powder Coated, Surface Mounted, with handle tagging on enclosure and circuit breaker, with lock and keys

ENCLOSED CIRCUIT BREAKER: ECB-SMAWH
 50 AT, 100 AF, 3P, MCCB, Common Trip
 Back-On Type, With Grounding Terminal Block, NEMA 3R Enclosure, G.I. GAH8 Powder Coated, Surface Mounted, with handle tagging on enclosure and circuit breaker, with lock and keys

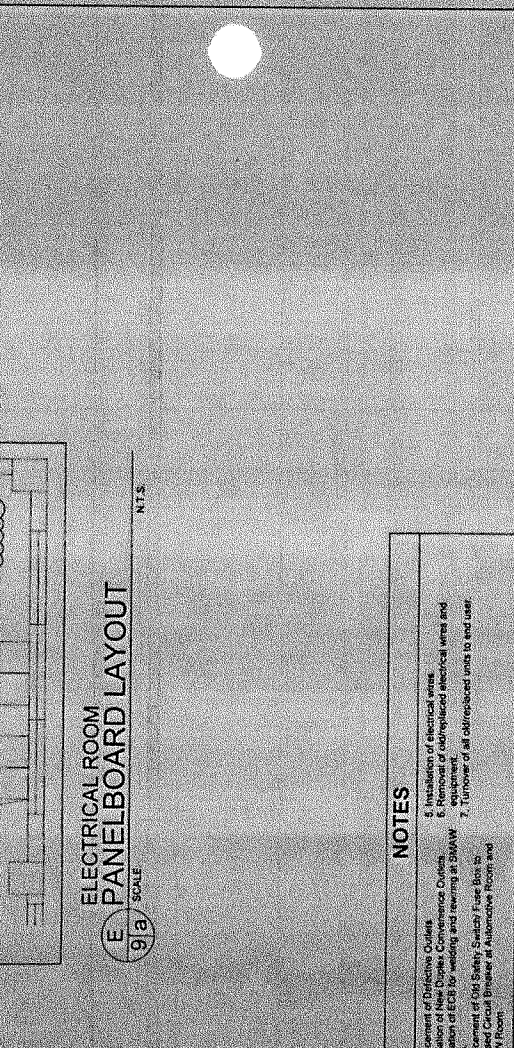
ENCLOSED CIRCUIT BREAKER: ECB-WLDK1, ECB-WLDK4, ECB-WLDK5, ECB-WLDK6, ECB-WLDK7, ECB-WLDK8, ECB-WLDK9, ECB-WLDK10
 50 AT, 50 AF, 3P, MCCB, Common Trip
 Back-On Type, With Grounding Terminal Block, NEMA 3R Enclosure, G.I. GAH8 Powder Coated, Surface Mounted, with handle tagging on enclosure and circuit breaker, with lock and keys

PANEL BOARD: PP-SMAW
 Main 250 AT, 400 AF, 3P, MCCB, Common Trip
 Branches 7 - 50 AT, 50 AF, 3P, MCCB, Common Trip
 1 - 20 AT, 50 AF, 3P, MCCB, Common Trip
 1 - 50 AT, 50 AF, 3P, MCCB, Common Trip
 1 - 50 AT, 100 AF, 3P, MCCB, Common Trip
 1 - 50 AT, 100 AF, 3P, MCCB, Common Trip
 Back-On Type, With Grounding Terminal Block, NEMA 1 Enclosure, G.I. GAH8 Powder Coated, Surface Mounted, with handle tagging on enclosure and circuit breaker, with lock and keys

WIRE GUTTER
 DISMANTLE THE TWO OLD WIRE GUTTERS AND TURN OVER THEM TO ENLUBENOS

WIRE GUTTERS: - 2.0m length x 6.5m depth x 0.4m height (Verify Actual Dimensions on Site)
 in NEMA 3R Enclosure, Back-On Type, with Grounding Terminal Block, Powder Coated, G.I. GAH8 Surface Mounted, with nameplate on panelboard, top entry, with lock and keys.

WIRE GUTTERS: - 3.5m length x 0.5m depth x 0.4m height (Verify Actual Dimensions on Site)
 in NEMA 3R Enclosure, Back-On Type, with Grounding Terminal Block, Powder Coated, G.I. GAH8 Surface Mounted, with nameplate on panelboard, top entry, with lock and keys.



NOTES

1. Replenishment of Defective Outlets
2. Installation of electrical wires.
3. Installation of New Duplex Convenience Outlets
4. Installation of EGC for welding and rewiring at SMAW
5. Replenishment of Old Shaky Switches Face Box to Enclosed Circuit Breaker at Automotive Room and SMAW Room.
6. Insulation of electrical wires.
7. Removal of unshielded electrical wires and equipment.
8. Removal of all obsolescent units to be used.

GROUND FLOOR POWER LAYOUT
 SCALE 1:100

ELECTRICAL

PROJECT TITLE
 REPAIRING OF FEEDER LINES AND REPLACEMENT OF OLD PANELBOARDS

PROJECT LOCATION
 POST BARRANG PASIG CITY

CLIENT
 OFFICE OF THE MAYOR
 ENGINEERING DEPARTMENT

DESIGNED BY
 ENGR. JORGE L. TIZON
 JLC ELECTRICAL ENGINEERING SECTION

CHECKED BY
 ENGR. BENEDICT C. SOLOMON
 PROJECT INCHARGE

RECOMMENDING APPROVAL
 ENGR. ART ALEXES G. GERONIMO
 OFFICE IN CHARGE, ENGINEERING DEPARTMENT

APPROVED BY
 VICTORIA REGIS N. SOTTO
 CITY MAYOR

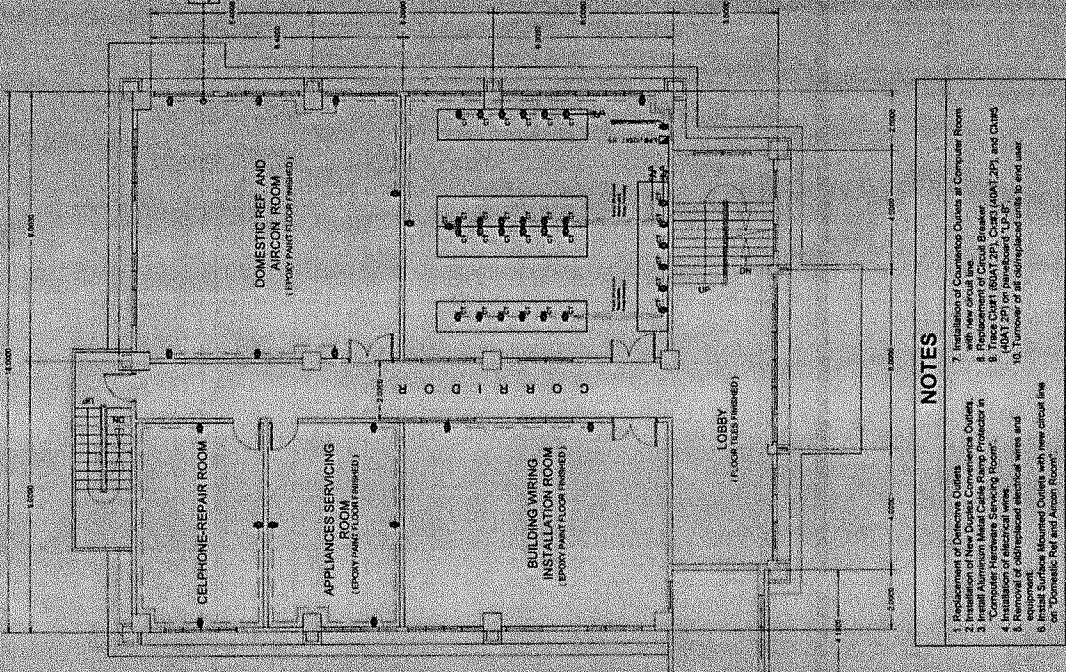
SHEET CONTENTS
 AS SHOWN

SHEET NO.
 E 07_09

CONFORME & ACCEPTED BY
 CONTRACTOR

IMPORTANT NOTES

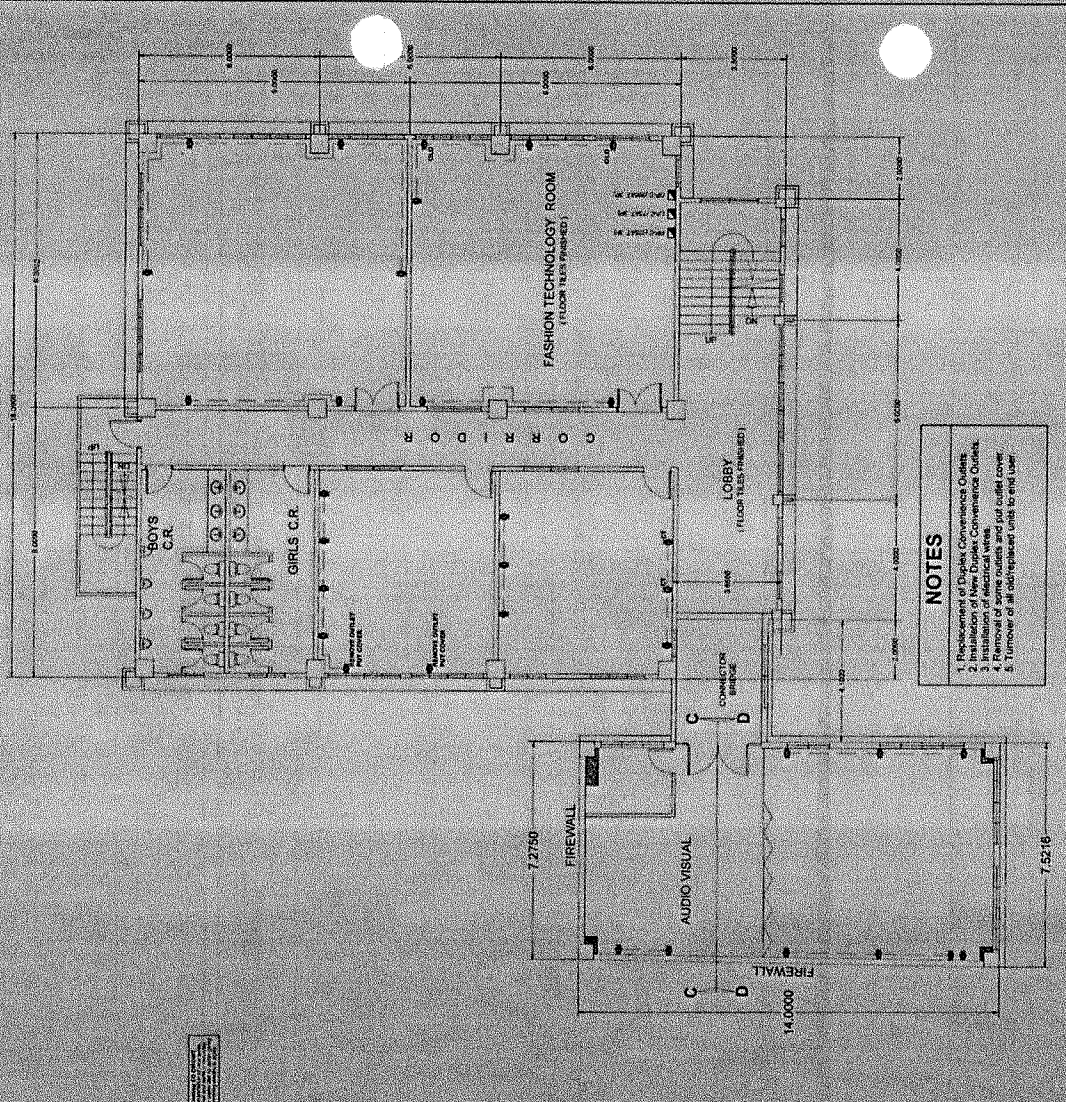
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL ELECTRICAL BOARD (NEB) REGULATIONS.
2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL ELECTRICAL BOARD (NEB) REGULATIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
4. ANY VIOLATION OF THIS INSTRUCTION SHALL BE CONSIDERED AS THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.



NOTES

1. Replacement of Outlets
2. Installation of New Duplex Convenience Outlets with new circuit line
3. Replacement of Circuit Breaker
4. Install Aluminum Metal Cable Tray Protector in Corridor
5. Installation of overhead electrical wires and equipment
6. Removal of obsolete electrical wires and equipment
7. Turnover of all subreplace units to end user
8. Domestic Ref and Apcon Room

SECOND FLOOR POWER LAYOUT
SCALE 1:1000



NOTES

1. Replacement of Duplex Convenience Outlets
2. Installation of New Duplex Convenience Outlets
3. Installation of electrical wires
4. Removal of obsolete electrical wires and equipment
5. Turnover of all subreplace units to end user

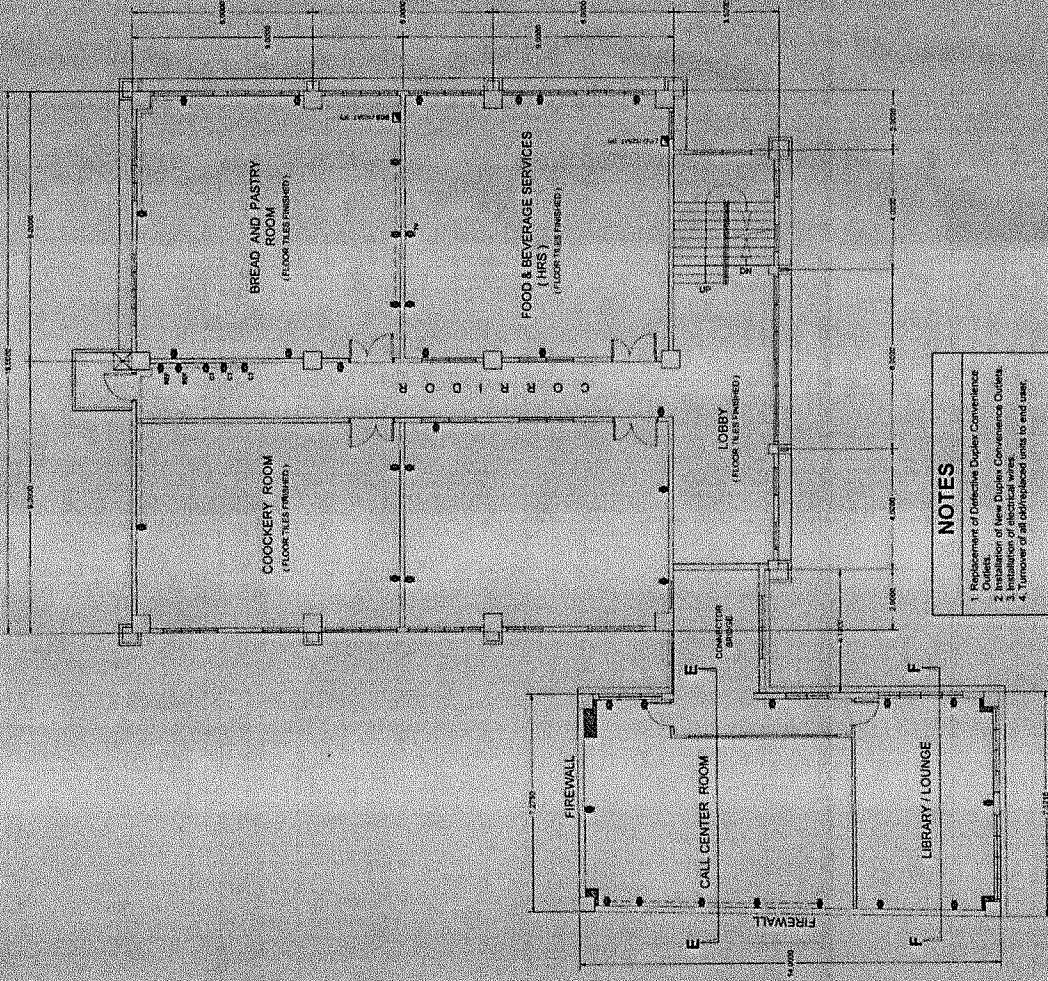
THIRD FLOOR POWER LAYOUT
SCALE 1:1000

<p>REPUBLIC OF THE PHILIPPINES CITY OF PASIG OFFICE OF THE MAYOR ENGINEERING DEPARTMENT</p>	<p>PROJECT TITLE REWIRING OF FEEDER LINES AND REPLACEMENT OF OLD PANEL BOARDS</p> <p>LOCATION POIST BAMBANG PASIG CITY</p>	<p>CHECKED BY ENGR. JUDGE L. LIZON ELECTRICAL, INFRASTRUCTURE DIVISION</p> <p>REVIEWED BY ENGR. CHRISTIAN BENEDICT C. SOLOMON PROJECT MANAGER</p> <p>RECOMMENDING APPROVAL ENGR. ARYAN REYES V. GERONIMO CITY ELECTRICAL ENGINEERING SUPERVISOR</p>	<p>APPROVED BY VICTOR MA. REGIS N. SOTTO CITY MAYOR</p> <p>SHEET CONTENTS AS SHOWN</p> <p>SHEET NO. E 08 09</p>
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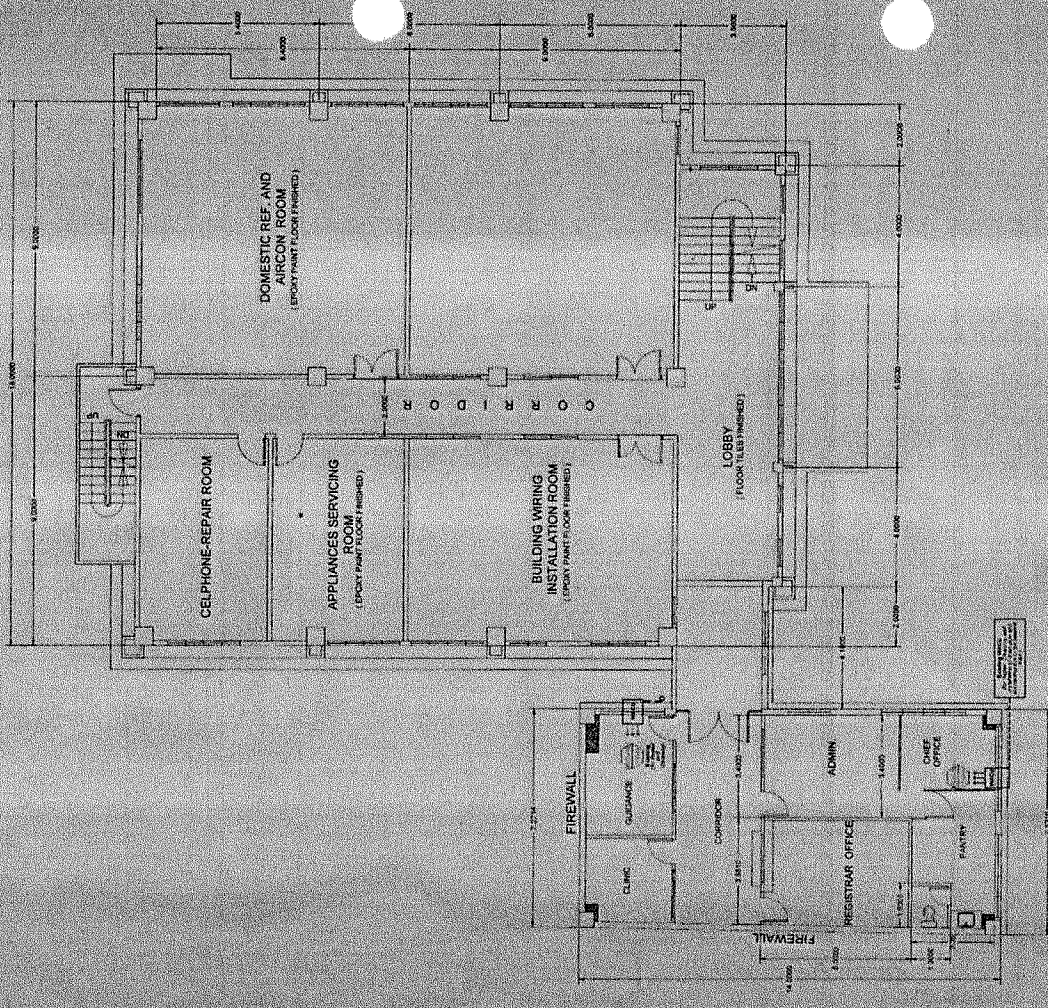
IMPORTANT NOTES

1. NO ALTERATION IN PANEL AND EQUIPMENT RATING SHALL BE MADE IN THE DESIGN AND INSTALLATION OF THE ARCHITECTURAL DRAWING IN ORDER TO MAINTAIN THE ELECTRICAL LOADS WITHIN THE ALLOWED CAPACITY OF THE ELECTRICAL SYSTEM.
2. ALL WORK SHALL BE ACCORDING TO THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL ELECTRICAL ENGINEERING BOARD (NEEB) STANDARDS.
3. IN CASE OF DISCREPANCY IN THE DRAWING, THE MATTER SHALL BE DIRECTED IMMEDIATELY TO THE ARCHITECT FOR NECESSARY ADJUSTMENT TO BE MADE BY THE CONTRACTOR.
4. CONSTRUCTION OF THIS INSTRUMENT SHALL BE COMPLETED AT THE EXPENSE OF THE CONTRACTOR.
5. PROJECT IN CHARGE ENGINEER SHALL ASSUME THE PROJECT AS HIS OWN RESPONSIBILITY AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PROPERTY AND THE SAFETY OF THE PUBLIC.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PROPERTY AND THE SAFETY OF THE PUBLIC.

CONFORME & ACCEPTED BY
CONTRACTOR



FOURTH FLOOR POWER LAYOUT
 SCALE 1:100m
 9/a



SECOND FLOOR AIRCON LAYOUT
 SCALE 1:100m
 9/b

	PROJECT TITLE REPAIRING OF FEEDER LINES AND REPLACEMENT OF OLD PANELBOARDS	ELECTRICAL ENGR. CHRISTIAN BENEDICT C. SOLOMON PROJECT INCHARGE	CHECKED BY ENGR. JORGE L. TIZON CHIEF ELECTRICAL INFRASTRUCTURE SECTION	REVIEWED BY ENGR. ARTAXERXES V. GERÓNIMO OFFICER-IN-CHARGE, ENGINEERING DEPARTMENT	RECOMMENDING APPROVAL ENGR. ARTAXERXES V. GERÓNIMO OFFICER-IN-CHARGE, ENGINEERING DEPARTMENT	APPROVED BY VICTOR MA REGIS N. SOTTO CITY MAYOR	SHEET CONTENTS AS SHOWN	SHEET NO. E 09 09
REPAIRING NOTES 1. NO ALTERATION TO EXISTING ELECTRICAL SYSTEM SHALL BE MADE SINCE THE WORK IS LIMITED TO THE ELECTRICAL INFRASTRUCTURE.	LOCATION POST. BAMBANG, PASIG CITY	PROJECT NO. 2018-001	CONTRACTOR ENGR. JORGE L. TIZON	CONTRACTOR ENGR. JORGE L. TIZON	CONTRACTOR ENGR. JORGE L. TIZON	CONTRACTOR ENGR. JORGE L. TIZON	CONTRACTOR ENGR. JORGE L. TIZON	CONTRACTOR ENGR. JORGE L. TIZON

CONFORME & ACCEPTED BY
 CONTRACTOR

Section VIII. Bill of Quantities

8

BID FORM

Date : _____

Project Identification No. : _____

To: **THE CHAIRMAN
BIDS AND AWARDS COMMITTEE
PASIG CITY**

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin 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: **REWIRING OF FEEDER LINES AND REPLACEMENT OF OLD PANELBOARDS AT PCIST, BRGY. BAMBANG, PASIG CITY;**

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: _____
_____ (P _____)

d. The discounts offered and the methodology for their application are: _____;

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 _____
_____ (P _____) percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of 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 and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **REWIRING OF FEEDER LINES AND REPLACEMENT OF OLD PANELBOARDS AT PCIST, BRGY. BAMBANG, PASIG CITY** 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 : REWIRING OF FEEDER LINES AND REPLACEMENT OF OLD PANELBOARDS

LOCATION : PCIST, BRGY. BAMBANG, PASIG CITY

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (P)	AMOUNT (P)
1.0	Mobilization / Demobilization _____ (Pesos _____)	1.00	lot		
2.0	Preliminaries _____ (Pesos _____)		l.s		
3.0	Panel Board and Breakers _____ (Pesos _____)		l.s		
4.0	Fixtures and Devices _____ (Pesos _____)		l.s		
5.0	Wires, Conduits, Boxes and Accessories _____ (Pesos _____)		l.s		
6.0	Mechanical Works _____ (Pesos _____)		l.s		
7.0	Miscellaneous _____ (Pesos _____)	3.00	set		
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

ATTY. RAUL G. CORALDE
Member

MS. RUTH F. ROMANO
Member

DR. JEANNA V. PLES
Member

ENGR. JOHNNY L. CALATA
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

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SIGNATURE:

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Chairperson

ATTY. DIEGO LUIS S. SANTIAGO
Vice Chairperson

DR. EMMA MEJIA-SANCHEZ
Member

ATTY. RAUL G. CORALDE
Member

MS. RUTH F. ROMANO
Member

DR. JEANNA V. PLES
Member

ENGR. JOHNNY L. CALATA
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: _____

Bid Securing Declaration Form

[shall be submitted with the Bid if bidder opts to provide this form of bid security]

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

BID SECURING DECLARATION Project Identification No.: *[Insert number]* Insert Title

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

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
 - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of *[month]* *[year]* at *[place of execution]*.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

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

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

[Jurat]

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

STATEMENT OF ON-GOING CONSTRUCTION CONTRACTS (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. Date Awarded b. Date Started c. Date Completed	% of Accomplishment		Value of Outstanding Works
			Description	%		Planned	Actual	
<u>GOVERNMENT</u>								
Total Cost								

PRIVATE

Note: This statement shall be supported with:
 1. Notice of Award and/or Contract
 2. Notice to Proceed by the owner

Submitted by:

 General Manager

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			
			Description	%	B. Amount at Completion	C. Duration	A. Date Awarded B. Date Started C. Date Completed	
<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.

The Bidder shall attach the AFS to the NFCC Computation for Eligibility Check Form.

NFCC=P_____

Submitted by:

Name of Supplier/Distributor/Manufacturer

Signature of Authorized Representative

Date:_____

MARKING AND SEALING OF BIDS



PPWA

