PHILIPPINE BIDDING DOCUMENTS

Procurement of INFRASTRUCTURE PROJECTS

Government of the Republic of the Philippines

PROPOSED UPGRADING OF ELECTRICAL SYSTEM AT SERGIO OSMEÑA SENIOR HIGH SCHOOL IN BARANGAY MASAMBONG

Project number: 24-00006

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

Notes on the Invitation to Bid

The Invitation to Bid (IB) provides information that enables potential Bidders to decide whether to participate in the procurement at hand. The IB shall be posted in accordance with Section 21.2 of the 2016 revised IRR of RA No. 9184.

Apart from the essential items listed in the Bidding Documents, the IB should also indicate the following:

- a. The date of availability of the Bidding Documents, which shall be from the time the IB is first advertised/posted until the deadline for the submission and receipt of bids;
- b. The place where the Bidding Documents may be acquired or the website where it may be downloaded;
- c. The deadline for the submission and receipt of bids; and
- d. Any important bid evaluation criteria.

The IB should be incorporated into the Bidding Documents. The information contained in the IB must conform to the Bidding Documents and in particular to the relevant information in the Bid Data Sheet.



REPUBLIC OF THE PHILIPPINES QUEZON CITY GOVERNMENT



BIDS AND AWARDS COMMITTEE FOR INFRASTRUCTURE & CONSULTANCY 2nd floor, Finance Building, Procurement Department, Quezon City Hall Complex, Elliptical Road, Quezon City

February 28, 2024

Invitation to Bid

No.	Project No.	Project Name	Location	Amount	Duration Cal. Days	Office	Source Fund
Buil	ding – S	mall B					
1	24- 00001	Proposed Installation of Streetlights at Geneva, Lisbon and Oslo in Capitol Park Homes Subdivision, Barangay Matandang Balara	Matandang Balara	1,107,830.20	30	Engineering Department	20% Communit Development Fund
2	24- 00002	Proposed Enclosure of Open Areas at 2nd Floor of Quezon City Public Library	Central	2,269,403.53	30	Engineering Department	Engineering
3	24- 00003	Proposed Rehabilitation of Tricycle Regulatory Division and Parks Development Administration Building at Novaliches District Center	Sta. Monica	2,407,973.75	60	Engineering Department	Engineering
4	24- 00004	Proposed Rehabilitation of Various Buildings at Camarilla Elementary School in Barangay San Roque	San Roque	3,185,094.77	90	Engineering Department	Special Education Fund (Local School Board)
5	24- 00005	Proposed Rehabilitation of Dorm B of Quezon City Drug Treatment and Rehabilitation Center at Barangay Payatas	Payatas	3,819,307.82	60	Engineering Department	20% Communit Development Fund
6	24- 00006	Proposed Upgrading of Electrical System at Sergio Osmeña Senior High School in Barangay Masambong	Masambong	3,904,398.78	30	Engineering Department	Special Education Fund (Local School Board)
7	24- 00007	Proposed Rehabilitation of Dorm A of Quezon City Drug Treatment and Rehabilitation Center at Barangay Payatas	Payatas	4,300,558.65	60	Engineering Department	20% Communit Development Fund
8	24- 00008	Proposed Rehabilitation of Dorm E of Quezon City Drug Treatment and Rehabilitation Center at Barangay Payatas	Payatas	5,246,936.79	90	Engineering Department	20% Communit Development Fund
9	24- 00009	Proposed Rehabilitation of Water Supply System and Stage at Apolonio Samson Elementary School	Apolonio Samson	5,401,773.48	90	Engineering Department	Special Education Fund (Local School Board)
10	24- 00010	Proposed Rehabilitation of Dorm D of Quezon City Drug Treatment and Rehabilitation Center at Barangay Payatas	Payatas	5,682,776.61	90	Engineering Department	20% Communit Development Fund

19	24- 00019	DPWH 5 Building, Rehabilitation of Classrooms at Belmonte Building, Electrical System at HB Building, and Waterline at San Agustin Elementary School in Barangay San Agustin	San Agustin	17,986,105.50	120	Engineering Department	Special Education Fund (Local School Board)
18	24- 00018	Proposed Construction of Site Development at Bagbag Integrated High School in Barangay Bagbag Proposed Enclosure of	Bagbag	17.591,532.31	150	Engineering Department	Special Education Fund (Local School Board)
17	24- 00017	Proposed Rehabilitation of Water Supply System and Comfort Rooms at San Gabriel Elementary School	Sta. Lucia	16,988,008.65	120	Engineering Department	Special Education Fund (Local School Board)
16	24- 00016	Proposed Rehabilitation of SB Building at Lagro High School	Greater Lagro	15,561,795.44	180	Engineering Department	Special Education Fund (Local School Board)
15	24- 00015	Proposed Rehabilitation of Water Supply System, Comfort Room and Upgrading of Electrical System at Pasong Tamo Elementary School in Barangay Pasong Tamo	Pasong Tamo	13,001,893.23	90	Engineering Department	Special Education Fund (Local School Board)
14	24- 00014	Proposed Rehabilitation of Covered Pathwalk at San Bartolome High School in Barangay San Bartolome	San Bartolome	8,380,198.25	60	Engineering Department	Special Education Fund (Local School Board)
13	24- 00013	Proposed Waterproofing and Rehabilitation of Affected Areas at Civic Building C and Civic Building E in Quezon City Hall	Central	8,051,366.70	120	Engineering Department	Engineering
12	24- 00012	Proposed Rehabilitation of Novaliches District Center	Sta. Monica	6,469,138.27	60	Engineering Department	Engineering
11	24- 00011	Proposed Rehabilitation of School Building at Ismael Mathay Sr. High School in Barangay Sangandaan	Sangandaan	6,189,724.98	120	Engineering Department	Special Education Fund (Local School Board)

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- The QUEZON CITY LOCAL GOVERNMENT, through *funding source of various years* intends to apply the sum stated above being the Approved Budget for the Contract (ABC) to payments under the contract *for the above stated Projects*. Bids received in excess of the ABC shall be automatically rejected at bid opening.
- The QUEZON CITY LOCAL GOVERNMENT now invites bids for the above Procurement Project. Completion of the Works is required as stated above. 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).
- 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.
- Interested bidders may obtain further information from QUEZON CITY LOCAL GOVERNMENT BAC Secretariat and inspect the Bidding Documents at the address given below weekdays from 8:00 am. – 5:00 p.m.

5. A complete set of Bidding Documents may be acquired by interested bidders on 05 March 2024 (Tuesday) from given address and website/s below and upon payment of a non-refundable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB. The Procuring Entity shall allow the bidder to present its proof of payment for the fees presented in person.

STANDARD RATES:

Approved Budget for the Contract	Maximum Cost of Bidding Documents (in Philippine Peso)		
More than 500,000 up to 1 Million	1,000.00		
More than 1 Million up to 5 Million	5,000.00		
More than 5 Million up to 10 Million	10,000.00		
More than 10 Million up to 50 Million	25,000.00		
More than 50 Million up to 500 Million	50,000.00		
More than 500 Million	75,000.00		

The following are the requirements for purchase of Bidding Documents;

- 1. PhilGEPS Registration Certificate (Platinum 3 Pages)
- 2. Document Request List (DRL)
- 3. Authorization to purchase bidding documents
 - 3.1 Secretary's Certificate (for corporation)
 - 3.2 Special Power of Attorney (for sole proprietorship)
- 4. Notarized Joint Venture Agreement (if applicable)
- 5. Letter of Intent

It must be duly received by the BAC Secretariat at 2nd Floor, Procurement Department, Finance Building, Quezon City Hall Compound.

 The QC- BAC- INFRASTRUCTURE & CONSULTANCY will hold a Pre-Bid Conference¹ on March 13, 2024 at 10:00 AM at 2nd Floor, Procurement Department-Bidding Room, Finance Building, Quezon City Hall Compound or we encourage the prospective bidders to join through our Virtual Conference (ZOOM APP) which shall be open to prospective bidders.

Virtual Conference (ZOOM APP) Meeting 1D: 854 9489 0133 Password: 273320

- Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below, on or before April 03, 2024 – 9:00 AM. Late bids shall not be accepted.
- All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 16.
- Bid opening shall be on April 03, 2024 10:00 AM at 2nd Floor. Procurement Department-Bidding Room, Finance Building, Quezon City Hall Compound and/or via Zoom. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

Virtual Conference (ZOOM APP) Meeting ID: 810 3646 5257 Password: 201522

10. The Quezon City Local Government 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.

¹ May be deleted in case the ABC is less than One Million Pesos (PhP1,000,000) where the Procuring Entity may not hold a pre-bid conference.

11. For further information, please refer to:

ATTY. DOMINIC B. GARCIA OIC, Procurement Department 2^{nt} Floor, Procurement Department, Finance Building, Quezon City Hall Compound Elliptical Road, Barangay Central Diliman, Quezon City, Tel. No. (02)8988-4242 loc. 8506/8710 Email Add: bacinfra.procurement@quezoncity.gov.ph Website: <u>www.quezoncity.gov.ph</u>

12. You may visit the following websites:

For downloading of Bidding Documents: https://quezoncity.gov.ph/public-notices/procurement/

By: ARCH. LUCILLE H. CHUA, fuap, piep Chairperson, BAC-Infra and Consultancy

Notes on the Instructions to Bidders

This Section on the Instruction to Bidders (ITB) provides the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Entity. It also provides information on bid submission, eligibility check, opening and evaluation of bids, post-qualification, and on the award of contract.

1. Scope of Bid

The Procuring Entity, Quezon City Government invites Bids for the PROPOSED UPGRADING OF ELECTRICAL SYSTEM AT SERGIO OSMEÑA SENIOR HIGH SCHOOL IN BARANGAY MASAMBONG, with Project Identification Number 24-00006.

[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 2024 in the amount of Three Million Nine Hundred Four Thousand Three Hundred Ninety-Eight Pesos and 78/100 Ctvs. (P 3,904,398.78).
- 2.2. The source of funding is:
 - *a.* LGUs, the Annual or Supplemental Budget, as approved by the Sanggunian.

3. Bidding Requirements

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

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

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

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

The Procuring Entity, as well as the Bidders and Contractors, shall observe the highest standard of ethics during the procurement and execution of the contract. They or

through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex "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 Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than fifty percent (50%) of the Project.

The Procuring Entity has prescribed that:

a. Subcontracting is not allowed.

- 7.1. *[If Procuring Entity has determined that subcontracting is allowed during the bidding , state:]* The Bidder must submit together with its Bid the documentary requirements of the subcontractor(s) complying with the eligibility criterial stated in **ITB** Clause 5 in accordance with Section 23.4 of the 2016 revised IRR of RA No. 9184 pursuant to Section 23.1 thereof.
- 7.2. [If subcontracting is allowed during the contract implementation stage, state:] The Supplier may identify its subcontractor during the contract implementation stage. Subcontractors identified during the bidding may be changed during the

implementation of this Contract. Subcontractors must submit the documentary requirements under Section 23.1 of the 2016 revised IRR of RA No. 9184 and comply with the eligibility criteria specified in **ITB** Clause 5 to the implementing or end-user unit.

7.3. 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 on March 13, 2024 at 10:00 AM at 2nd Floor, Procurement Department-Bidding Room, Finance Building, Quezon City Hall Compound and/or we encourage the prospective bidders to join through our Virtual Conference (ZOOM APP) Meeting ID: 854 9489 0133 Password: 273320

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 in no case shall exceed One Hundred Twenty (120) calendar days from the date of opening of bids, unless duly extended by the bidder upon the request of the Head of the Procuring Entity (HoPE) of the Quezon City Local Government. 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 **5** 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 15 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**.

Notes on the Bid Data Sheet (BDS)

The Bid Data Sheet (BDS) consists of provisions that supplement, amend, or specify in detail, information, or requirements included in the ITB found in Section II, which are specific to each procurement.

This Section is intended to assist the Procuring Entity in providing the specific information in relation to corresponding clauses in the ITB and has to be prepared for each specific procurement.

The Procuring Entity should specify in the BDS information and requirements specific to the circumstances of the Procuring Entity, the processing of the procurement, and the bid evaluation criteria that will apply to the Bids. In preparing the BDS, the following aspects should be checked:

- a. Information that specifies and complements provisions of the ITB must be incorporated.
- b. Amendments and/or supplements, if any, to provisions of the ITB as necessitated by the circumstances of the specific procurement, must also be incorporated.

Bid Data Sheet

ITB Clause				
5.2	For this purpose, similar contracts shall refer to contracts which have the same major categories of work.			
7.1	Subcontracting is not allowed.			
10.3	No additional contractor license o	r permit is required	d	
	In addition, eligible bidders shall	qualify or comply	with the following:	
	1. Bidders with valid Philippine C	ontractors Accredit	ation Board (PCAB)	
	Туре			
	Building – Small B			
10.4	The minimum work experience following:	requirements for	key personnel are the	
	Ŭ	eral Experience	Relevant Experience	
	1 Project-In-Charge	3 years	3 years	
	1 General Foreman	3 years	3 years	
	1 Trade Engineers/Leadman for Civil Works	n 3 years	3 years	
	1 Trade Engineers/Leadman for Electrical Works	1 3 years	3 years	
	1 Safety Officer	3 years	3 years	
	1 DPWH duly accredited Materials Engineer	1 3 years	3 years	
10.5	In addition, the bidder must e notarized stating that the foregoin for the project until its completion The minimum major equipment re	ng personnel shall 1. Please see attach	perform work exclusively ted bid forms.	
		-	-	
	Equipment Dumptruck	Capacity 12 yd ³	Number of Units 1	
	In addition, the bidder must e notarized stating that the foregoi the project until its completion. Page	ng equipment sha	ll be used exclusively for	
12	[Insert Value Engineering clause if allowed.]			
15.1	The bid security shall be in the for	m of a Bid Securin	g Declaration with project	

	 a) The amount of not less than Php 78,087.98 or equivalent to two percent (2%) of ABC if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or 		
	b) The amount of not less than Php 195,219.94 or equivalent to five percent		
	(5%) of ABC if bid security is in Surety Bond.		
19.2	Partial bid is not allowed. The infrastructure project is packaged in a single lot		
	and the lot shall not be divided into sub-lots for the purpose of bidding,		
	evaluation, and contract award.		
20	No additional requirement.		
21	Additional Contract Documents relevant to the Project as required:		
	1. Construction Schedule and S-curve,		
	2. Manpower Schedule,		
	3. Construction Methods,		
	4. Equipment Utilization Schedule,		
	5. PERT/CPM or other acceptable tools of project scheduling, shall be		
	included in the submission of Technical Proposal.		

Notes on the General Conditions of Contract

The General Conditions of Contract (GCC) in this Section, read in conjunction with the Special Conditions of Contract in Section V and other documents listed therein, should be a complete document expressing all the rights and obligations of the parties.

Matters governing performance of the Contractor, payments under the contract, or matters affecting the risks, rights, and obligations of the parties under the contract are included in the GCC and Special Conditions of Contract.

Any complementary information, which may be needed, shall be introduced only through the Special 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

Notes on the Special Conditions of Contract

Similar to the BDS, the clauses in this Section are intended to assist the Procuring Entity in providing contract-specific information in relation to corresponding clauses in the GCC found in Section IV.

The Special Conditions of Contract (SCC) complement the GCC, specifying contractual requirements linked to the special circumstances of the Procuring Entity, the Procuring Entity's country, the sector, and the Works procured. In preparing this Section, the following aspects should be checked:

- a. Information that complements provisions of the GCC must be incorporated.
- b. Amendments and/or supplements to provisions of the GCC as necessitated by the circumstances of the specific purchase, must also be incorporated.

However, no special condition which defeats or negates the general intent and purpose of the provisions of the GCC should be incorporated herein.

Special Conditions of Contract

GCC Clause	
2	Completion of work shall be within 30 calendar days.
4.1	The Procuring Entity shall give possession of all parts of the Site to the
	Contractor upon receipt of the Notice to Proceed.
6	The site investigation reports are: [list here the required site investigation reports.]
7.2	[Select one, delete the other.]
	[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.
	[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.
	[In case of other structures, such as bailey and wooden bridges, shallow wells, spring developments, and other similar structures:] Two (2) years.
10	Dayworks are applicable at the rate shown in the Contractor's original Bid.
13	The amount of the advance payment is no more that fifteen percent (15%) of the Contract Price subject to approval by the HOPE and compliance with the conditions under RA 9184 and its IRR.
14	No further instructions.
15.1	The date by which operating and maintenance manuals are required is <i>thirty (30) days</i> The date by which "as built" drawings are required as part of final payment
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 ten (10%) percent of the contract price.

Section VI. Specifications

Notes on Specifications

A set of precise and clear specifications is a prerequisite for Bidders to respond realistically and competitively to the requirements of the Procuring Entity without qualifying or conditioning their Bids. In the context of international competitive bidding, the specifications must be drafted to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of economy, efficiency, and fairness in procurement be realized, responsiveness of Bids be ensured, and the subsequent task of bid evaluation facilitated. The specifications should require that all goods and materials to be incorporated in the Works be new, unused, of the most recent or current models, and incorporate all recent improvements in design and materials unless provided otherwise in the Contract.

Samples of specifications from previous similar projects are useful in this respect. The use of metric units is mandatory. Most specifications are normally written specially by the Procuring Entity or its representative to suit the Works at hand. There is no standard set of Specifications for universal application in all sectors in all regions, but there are established principles and practices, which are reflected in these PBDs.

There are considerable advantages in standardizing General Specifications for repetitive Works in recognized public sectors, such as highways, ports, railways, urban housing, irrigation, and water supply, in the same country or region where similar conditions prevail. The General Specifications should cover all classes of workmanship, materials, and equipment commonly involved in construction, although not necessarily to be used in a particular Works Contract. Deletions or addenda should then adapt the General Specifications to the particular Works.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for goods, materials, and workmanship, recognized international standards should be used as much as possible. Where other particular standards are used, whether national standards or other standards, the specifications should state that goods, materials, and workmanship that meet other authoritative standards, and which ensure substantially equal or higher quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the SCC.

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Contract to specific standards and codes to be met by the goods and materials to be furnished, and work performed or tested, the provisions of the latest current edition or revision of the relevant standards and codes in effect shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national, or relate to a particular country or region, other authoritative standards that ensure a substantially equal or higher quality than the standards and codes specified will be accepted

subject to the Procuring Entity's Representative's prior review and written consent. Differences between the standards specified and the proposed alternative standards shall be fully described in writing by the Contractor and submitted to the Procuring Entity's Representative at least twenty-eight (28) days prior to the date when the Contractor desires the Procuring Entity's Representative's consent. In the event the Procuring Entity's Representative determines that such proposed deviations do not ensure substantially equal or higher quality, the Contractor shall comply with the standards specified in the documents.

These notes are intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They should not be included in the final Bidding Documents.



Republic of the Philippines Quezon City DEPARTMENT OF ENGINEERING Style Center Building B. Quezon City Heli Compound. Employed Road Offician, Control 1100 Quezon City Transformer: 453 2 10040 4342 E-mail address: engineering@quezoncity.gov.ph



PROJECT TITLE: PROPOSED UPGRADING OF ELECTIVICAL SYSTEM AT SERGIO OSMERA SENIOR HIGH SCHOOL IN BARANGAY MASAMBONG LOCATION: BARANGAY MASAMBONG, DISTRICT 1, QUEZON CITY

TECHNICAL SPECIFICATIONS

I. GENERAL RECKIREMENTS

- A. Comply with the current and existing laws, ordinances and applicable codes, rules and regulations, and standards. Any works performed contrary to the existing laws, rules and regulations, ordinances and standards without notice shall beer all cost arising therefrom.
- Orawings, specifications, codes and standards are minimum requirements. Where requirements differ the more stringent apply.
- C Should there be any change(s) in drawings or specifications, it is required to comply with the governing regulations, notify the implementing agency.
- D. Photographs shall be taken as, when and where directed at intervals of not more than one month. The photographs shall be sufficient in number and location, to record the exact progress of the works. The photographs shall be retained and will become the property of the Government.
- E. Site verification / inspection shell be conducted to verificate the scope of works. No extra compensation and extension of time shall be given due to negligence or medvertence.
- F. The quality of materials shall be of the best grade of their respective kinds for the purpose. The work shall also be performed in the best and most capable manner in strict accordance with requirements of the plans and details. All materials not conforming to the requirements of these specifications shall be considered as defective.
- G. All equipment and installations shall meet or exceed minimum requirements of the stendards and codes
- H. Mobilization and Demobilization (# applicable)
 - Mobilization shall include all activities and related costs for transportation of personnel, equipment, and operating supplies to the site, establishment of offices, buildings, and other necessary general facilities for the operations at the site.
 - Demoiduzation shell include all activities and costs for transportation of personnel, equipment, and supplies not anymore required within the construction site including the disassembly, removal and site clean-up of offices and other facilities assembled on the site specifically for this contract.
- Execute work in strict accordance with the best practices of the tradies in a thorough, substantial, workmanike manner by competent workmen. Provide a competent, expensenced, full-time supervisor who is authorized to make decisions on behalf of the Contractor.
- Adequate construction salety and hasith protection shall be provided at all times during the axecution of work to both workers and property.
 - A fully-trained Medical Aide shell be employed permanently on the site who shall be engaged solely to medical duties.

 The medical room shall be provided with waterproofing; it could be a building or room designated and used exclusively for the purpose and have a floor area of at least 15 square meters and a glazed window area of at least 2 square meters.

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- The location of the medical room and any other arrangements shall be made known to all employees by posting on prominent locations and suitable notices in the site.
- Additional safety precautions shall be provided in the event of a pandemic. Protocols set forth by the government shall be strictly followed.
- Construction safety shall consist of construction canopy and safety not.
- K. Necessary protections to the adjacent property shall be provided to evoid unitwardincidents / accidents.
- L. Final cleaning of the work shall be employed prior to the final inspection for the certification of final acceptance. Final cleaning shall be applied on each surface or unit of work and shall be of condition expected for a building cleaning and maintenance program.

II. ELECTRICAL WORKS

A. CONDUITS, BOXES AND FITTINGS

- This item shall consist of the furnishing and installation of the complete conduit work, consisting of electrical conduits; conduit boxes such as junction boxes, pull boxes, utility boxes, octagonal and square boxes, conduit fittings, such as couplings, locknuts and bushings and other electrical materials needed to complete the conduit roughingin work of this project.
- All materials shall be brand new and shall be of the approved type meating all the requirements of the Philippine Electrical Code and bearing the Philippine Standard Agency (PSA) mark.
- All works throughout shall be executed in the best practice in a workmanlike manner by qualified and experienced electricians under the immediate supervision of a duty licenset Electrical Engineer.
- 4. The work to be done under this division of specifications consists of the fabrication, furnishing, delivery and installation, complete in all details of the electrical work, all the subject premises and all work materials incidental to the proper completion of the installation, except those portions of the work which are expressly stated to be done by other fields. All works shall be done in accordance with the rules and regulations and with the specifications.
- All grounding system installation shall be executed in accordance with the approved plans. Grounding system shall include building perimeter ground wires, ground rods, clemps, connectors, ground wells and ground wire taps as shown in the approved design.
- 6 Upon completion of the electrical construction work, the contractor shall provide all test equipment and personnel and to submit written copies of all test results.
- 7 The contractor shall guarantee the electrical installation are done and in accordance with the approved plane and apecifications. The contractor shall guarantee that the electrical systems are has from all grounds and from all detective workmanship and materials and will remain so for a period of one year from date and acceptance of works. Any defect shall be remedied by the Contractor st his own expense.

8. WIRES AND WIRING DEVICES

 This item shall consist of the furnisiting and installation of all wires and wiring devices consisting of electric wires and cables, well switches, convenience receptacles, heavy duty receptacles and other devices shown on the approved Plans but not mentioned in these specifications.

- 2. Wres and cables shall be of the approved type meeting all the requirements of the Philippine Electrical Code and bearing the Philippine Standard Agency (PSA) mark. Unless specified or indicated otherwise, all power and lighting conductors shall be insulated for 600 volts. All wires shall be copper, soft drawn and annealed, smooth and of cylindrical form and shall be centrally located inside the insulation.
- Conductors or wires shell not be drawn in conduits until effer the cement plaster is dry and the conduits are thoroughly cleaned and free from dirt and moisture. In drawing wires into conduits, sufficient stack shall be allowed to permit easy connections for fadures, switches, receptacles and other wiring devices without the use of additional splices.
- 4. All wires of 14mm and larger in size shall be connected to panels and appendus by means of approved type lugs or connectors of the solderless type, sufficiently large enough to enclose all strands of the conductors and securely fastened. They shall not koosen under vibration or normal strain.
- All joints, taps and splices on wires larger than 14 mm sholl be made of suitable solderless connectors of the approved type and size. They shall be taped with rubber and PVC tapes providing insulation not less than that of the conductors.
- 6. No splices or joints shall be permitted in either feeder or branch conductors except within outlet boxes or accessible junction boxes or put boxes. All joints in branch circuit wiring shall be made mechanically and electrically secured by approved eplicing devices and taped with rubber and PVC tapes in a manner which will make their insulation as that of the conductor.

ENGR. JEN TH V. GUIRAL Planning and Design Division

ENGR. CRISTAL MAE B. LORENZO Planning and Programming Division

Section VII. Drawings

[Insert here a list of Drawings. The actual Drawings, including site plans, should be attached to this section, or annexed in a separate folder.]

GENERAL NOTES FOR THREE-PHASE SYSTEM

- ALL WORKS SHALL BE EXECUTED IN ACCORDANCE TO THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE. THE NATIONAL BUILDING CODE OF THE PHILIPPINES AND OTHER RELATED LWWS AND ORDINANCES OF THIS CITY.
- ALL WORKS SHALL BE COORDINATED WITH THE RESPECTIVE TRADES SO TO AVOID CONFLICTS DURING EXECUTION OF ACTIVITIES.
- 3. ALL NECESSARY PERMITS DHALL BE SECURED AND TURNED-OVER TO THE CITY.
- ALL DRAWINGS AND SPECIFICATIONS SHALL BE CORRECTLY REVEWED BY THE CONTRACTOR AND SHALL IMVEDIATELY BE INFORMED IF DISCREPANCY (IES) FOUND HEREIN
- ALL DIMENSIONS, ELEVATIONS AND REPERENCES, SHALL BE VERIFIED WITH THE ACTUAL CONDITION PRIOR TO EXECUTION.
- 8. SHOP DRAWINGS SHALL BE PROVIDED AS NECESSARY PRIOR TO THE EXECUTION.
- ALL WORKS SHALL BE TESTED AND COMMISSIONED AS INDICATED IN THE SPECIFICATIONS WITH THE PRESENCE OF ALL PARTIES INVOLVE/RESULTS SHALL BE DOCUMENTED PROPERLY.
- E. ALL PIPES AND LAYOUT ARE ONLY DIAGRAMMATIC, ACTUAL LAYOUT OF PIPES AND FITTINGS, UNLESS OTHERWISE REQUIRED, SHALL BE PROPERLY CONCEALED.
- NO PIPES SHALL BE ALLOWED TO BE EMBEDDED IN STRUCTURAL MEMBERS, UNLESS OTHERWISE APPRIOVED.
- 10 AU, PIPES, FITTINGS, EQUIPMENT AND FIXTURES SHALL BE INSTALLED IN ACCORDANCE TO MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS.

11.SUPPORTS AND HANGERS SHALL SE PROVIDED ACCORDINGLY. 12.ALL EQUIPMENTS AND FOTURES SHALL BE ENVIRONMENTAL FRIENDLY.

13INSTALLATION OF SERVICE ENTRANCE

- 13.1. THE TYPE OF SERVICE ENTRANCE SHALL BE THREE PHASE, THREE WIRE PLUS GROUND, 60 HERTZ, 230V AC NOMINAL.
- 13.2. THE SERVICE ENTRANCE EQUIPMENT SHALL BE PROPERLY GROUNDED
- IN ACCORDANCE WITH THE PHILIPPINE ELECTRICAL CODE. 13.3 THE MAIN OVERCURRENT PROTECTION DEVICE SHALL BE OF THERMAL
- MAGNETIC MCCR IN NEWA 3R WEATHERPROOF ENCLOSURE.

PHASE	A .	RED
#HASE	8	YELLON

- PHASE C BLUE NEUTRAL - WHITE
- GROUND GREEN
- 13.4. ALL EMBEDDED BRANCH CIRCUITS SHALL BE PVC CONDUITS AND FOR EXPOSED INSTALLATION SHALL BE INC SUPPORTED BY CONDUIT CLAMPS EVERY 700 MILLIMETERS AND/OR CONDUIT HANGER SUPPORTS EVERY 1900 MILLIMETERS.
- 13.5 CONDUCTS IN NO CASE SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS IN ANY ONE RUN. ALL CONDUCT SENDS SHALL BE FIELD MADE BY USING HYDRAULIC BENDERS. MINIMUM BENDING RADIUS MUST BE IN ACCORDANCE TO THE CODE REQUIREMENTS.

13.6. ALL METALLIC CONDUITS, SWITCHES, LIGHTING RIXTURES,

PANELBOARDS, EQUIPMENTS AND NON-CURRENT CARRYING METAL PARTS SHALL BE PROPERLY GROUNDED AND BONDED.

13.7. THE GROUND RESISTANCE SHALL NOT BE MORE THAN 5 CHWS. 13.8. ALL MOUNTING HEIGHTS FOR WALL MOUNTED DEVICES SHALL BE AS

FOLLOWS:

PANELBOARD AND CAGINETS - 1400 MM ABOVE FLOOR FINISH 13.9. FULL BOXES SHALL BE WHENEVER NECESSARY TO FACILITATE WIRE PULLING EVEN IF THESE ARE NOT INDICATED ON PLANS.

14.0. FOR EACH SPARE BRANCH CIRCUIT IN PANELBOARD, PROVIDE ONE 20MM DIAMETER EMPTY CONDUIT TERMINATED TO 100MM OCTAIGONAL BOX ABOVE CEILING, MINIMUM SIZE OF PULLBOX SHALL BE 150MM X150MM X 100MM.

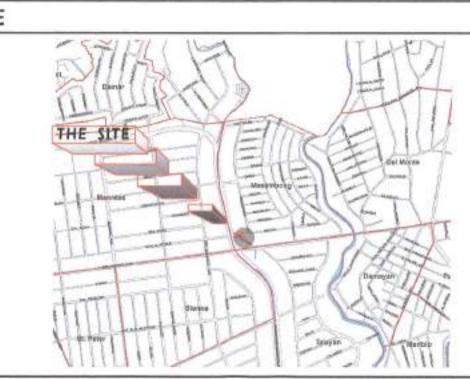
14.1. ALL DIRCLIT BREAKERS SHALL BE BOLT-ON TYPE WITH INTERRUPTING CAPACITY AS INDICATED IN THE PLANS. PANELBOARDS SHALL BE GALWINZED SHEET POWDER COATED GAGE 16 MINIMUM.

14.2. FEEDER AND BRANCH CIRCUIT CONDUCTORS IN CABLE TRAYS SHALL BE GROUPED, BONDED AND TASSED TO INDICATE CLEARLY THE ELECTRICAL CHARACTERISTICS SUCH AS CIRCUIT NUMBER AND PANEL DESIGNATION 14.3. ALL MATERIALS TO BE USED AND THE EQUIPMENT TO BE INSTALLED

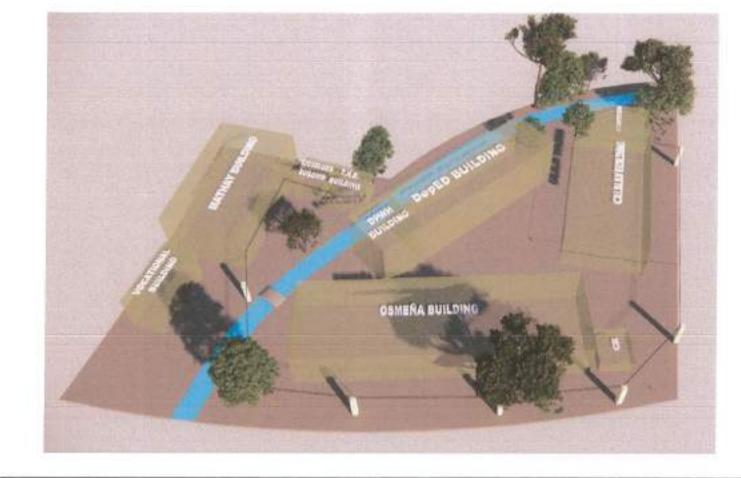
SHALL BE OF THE BEST QUALITY, BRAND NEW AS SPECIFIED, IT MUST BE APPROVED TYPE FOR THE PARTICULAR LOCATION AND PURPOSE INTENDED 14.4. ALL MATERIALS TO BE USED AND THE EQUIPMENT TO BE INSTALLED SHALL BE OF THE BEST QUALITY, BRAND NEW AS SPECIFIED. IT MUST BE

APPROVED TYPE FOR THE PARTICULAR LOCATION AND PURPOSE INTENDED.

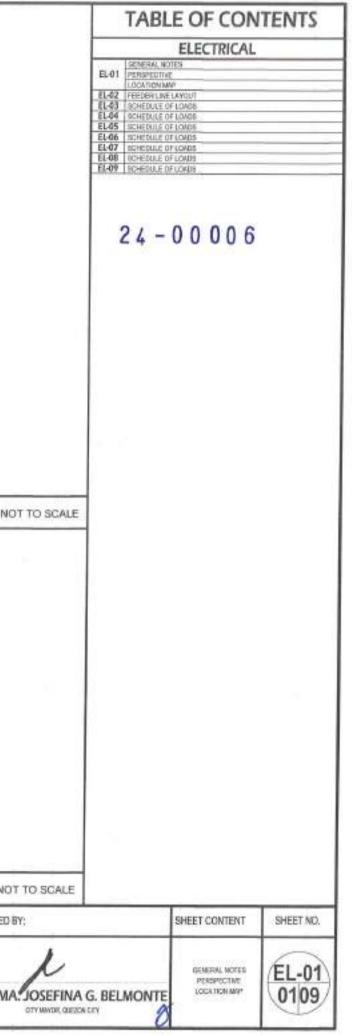
2 PERSPECTIVE

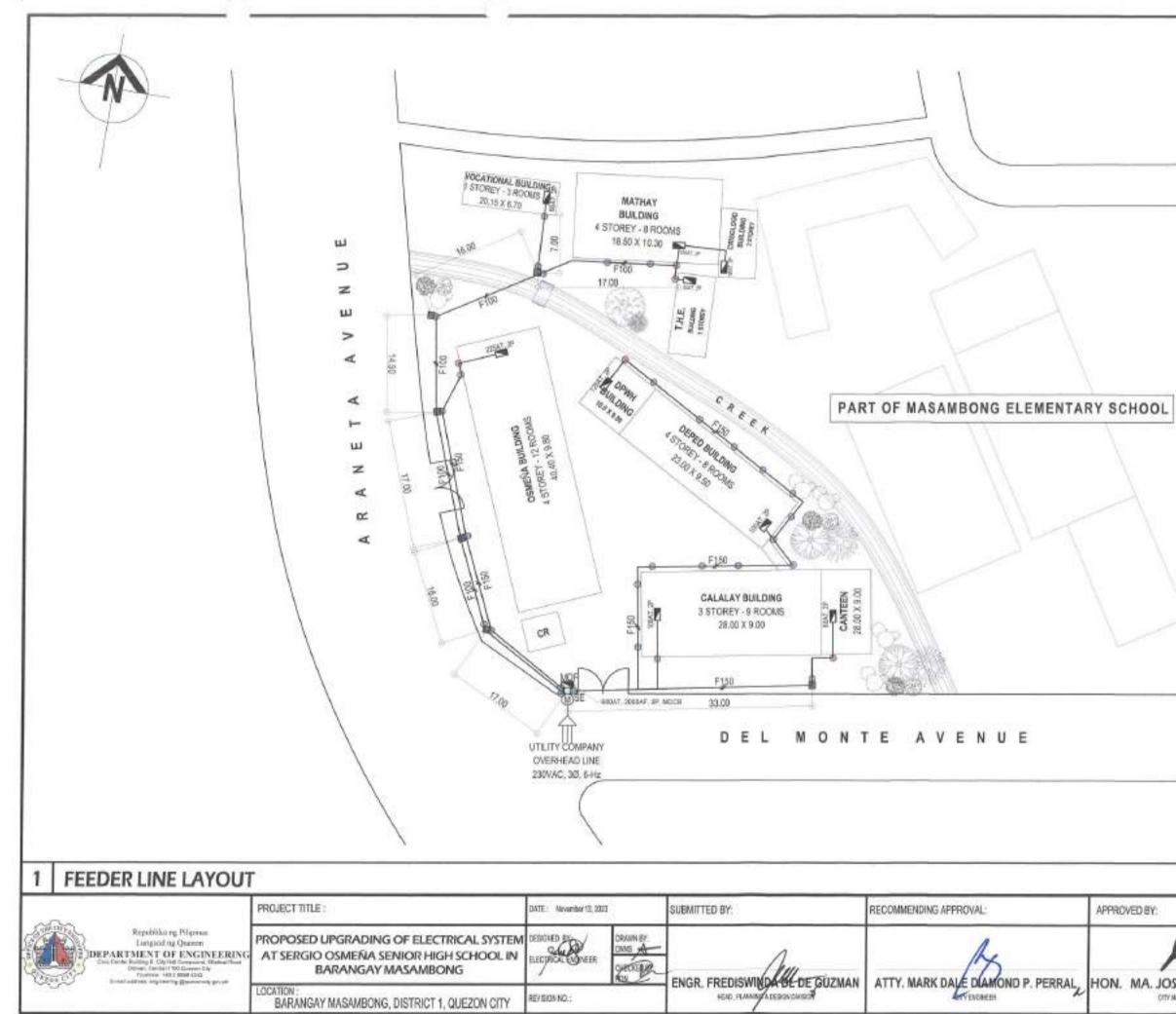


	GENERAL NOTES	3 LOCATI	ON MAP	Р				NO
~		PROJECT TITLE :	DATE	E: November 13, 2023		SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED B
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o~ !		LOCATION: BARANGAY MASAMBONG, DISTRICT 1, QUEZ	ON CITY REVIS	SEN NO :	V	HOU. FUNDA DE DE GUZMAN	ATTT. MARK DALE DIAMOND P. PERKAL	HON. MP



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DEC0023_0372

LEGEND:		
	\Re	PANEL BOARD
0	3	SDRVICE ENTRANCE CAPITARPING/POINT
0		BECOMMARY BACK (2 SPOOL)
F100		3 100mm ² THW+1-38mm ⁰ THW (3) FREE AIR
#108		3 Storen* THW+1-30mm* THW (G) FIREE AIR
		DISTINUTION POST
\boxtimes	5	SETTINGE ENTRANCE

24-00006

	NOT TO SCALE					
DBY:	SHEET CONTENT	SHEET NO.				
IA. JOSEFINA G. BELMONTE	FEEDER LINE LAYOUT	EL-02 0209				

PANEL MAIN:		MDP (NEV 600AT, 20 20XAIC 20	00AF, 3P	A 3R ENCLOSURE							
CKT. VOLTS		ILET		A	MPERE LOA	D	-0	Turner transmission	Stationers and and		
NO.	VULIS	LO	CO	OTHER LOAD SERVICE	AB	BC	CA	3Ø	VOLT AMPERE	CIRCUIT BREAKER	WIRES
1	220			FEEDER LINE 1	201.82	131.45	173.73		111540	400AT, 3P, Bolt-on	3-250mm ² THHN + 1-30mm ² THW (
2	220			FEEDER LINE 2	30.55	100.91	40.36	-	8890	300AT, 3P, Bolt-on	3-150mm ² THHN + 1-30mm ³ THW (
			TOTA	L	232.36	232.35	214.09	0.00	120420	AND	and state the state of the state of
	Entrance 2 SETS OF		(1440 + 1-30mm	s "THW (G) in 80mmØ IMC)							
Use: Feeder Use: Feeder	2 SETS OF Line 1: 3-150mm ⁸ Line 2:	(3-150mm ²⁻⁾ THW + 1-30	imm² THW (G) in	" THW (G) in 80mmの IMC) Free Air							
Use: Feeder Use: Feeder Use:	2 SETS OF Line 1: 3-150mm ⁴ Line 2: 3-100mm ²	(3-150mm ²) THW + 1-30 THW + 1-30	mm² THW (G) in mm² THW (G) in	" THW (G) in 80mmの IMC) Free Air							
Use: Feeder Use: Feeder	2 SETS OF Line 1: 3-150mm ⁴ Line 2: 3-100mm ²	(3-150mm ²) THW + 1-30 THW + 1-30	mm² THW (G) in mm² THW (G) in IE 1 (NEW) NAF, 3P	" THW (G) in 80mmの IMC) Free Air							

KT.	VOLTS	OUTLET		OTHER LOAD SERVICE	AI	MPERE LOA	AD	зØ	NOUT ADDEDT	CIRCUIT BREAKER	SIZE OF	
NO.	VULIS	L.O	C.O	OTHER LOAD SERVICE	AB	BC	CA	369	VOLT AMPERE	CINCOTT BHEAKER	WIRES	CONDUITS
1	220			OSMEÑA	201.82				44,400	225AT, 2P, Bolt-on	2-100mm ³ THHN + 1-30mm ² THW (G)	65mmØ PVC
2	220			SPARE					-	+		2000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 -
3	220			DEPED			88.64		19500.00	100AT, 2P, Bolt-on	2-30mm ³ THHN + 1-8.0mm ² THW (G)	40mmØ PVC
4	220			CALALAY			85.09		38,720	100AT, 2P, Bolt-on	2-30mm ² THHN + 1-8.0mm ² THW (G)	40mmØ PVC
5	220			CANTEEN		30.55			6,720	60AT, 2P, Bolt-on	2-14mm* THHN + 1-8.0mm* THW (G)	32mmØ PVC
6	220			DPWH		100.91			22,200	125AT, 2P, Bolt-on	2-38mm ² THHN + 1-8.0mm ² THW (G)	40mmØ PVC
2220	9.240 - 1	() () () () () () () () () () () () () (TC	DTAL	201.82	131.45	173.73	× .	111540.00			

I₁= (201.82*1.732) =

Feeder Line:

Use: 3-150mm² THW + 1-30mm² THW (G) in Free Air

349.55 AMPERES

WAIN:		300AT, 40 70KAIC, 24	OV, MCCB								(1111) (1111)		
CKT.	VOLTS	00		OTHER LOAD SERVICE	AMPERE LOAD		3Ø	VOLT AMPERE CIRCUIT BREAKER		VOLT AMPERE	CIRCUIT BREAKER	SIZE OF	
NO.	2302	LO	C.O		AB	BC	CA			and one propriet	WIRES	CONDUITS	
1	220	1		SPACE	-					+		+	
2	220			Ť.H.E	30.55				6,720	60AT, 2P, Bolt-on	2-14mm ² THHN + 1-8.0mm ³ THW (G)	32mmØ PVC	
3	.220	2		SPACE			-			-			
4	220			TECHWOC	1 1 1		40.36		8880.00	60AT, 2P, Bolt-on	2-14mm ² THHN + 1-8.0mm ² THW (G)	32mmØ PVC	
5	220			MATHAY		100.91			22200	100AT, 2P, Bolt-on	2-30mm ² THHN + 1-8.0mm ⁴ THW (G)	40mmØ PVC	
6	220			SPACE		P				-	-	-	
			TO	TAL	30.55	100.91	40.36		8890				

It= [100.91*1.732] =

174.77 AMPERES

Feeder Line:

Use: 3-100mm² THW + 1-30mm² THW (G) in Free Air

1 SCHEDULE OF LOADS

	PROJECT TITLE :	DATE: November 13, 2023		SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED B
Harpathlika ng Pitranas Langood ng Quezen DEPARTMENT OF ENGINEERING Care David Rading 8 Gay rid Conserved, Rectand Band District Andrea (State Conserved) (States) (States) Textus are rest 2000 (States) (States) (States) Textus are rest 2000 (States) (Stat	PROPOSED UPGRADING OF ELECTRICAL SYSTEM AT SERGIO OSMEÑA SENIOR HIGH SCHOOL IN BARANGAY MASAMBONG	217 M 21	DRWANBY DIVE		ATTY. MARK DALE DIAMOND P. PERRAL	
	LOCATION : BARANGAY MASAMBONG, DISTRICT 1, QUEZON CITY	REVISION MO :		HED, RANNY I CENTRON STA	artin martin Date Dianond P. PERRAL	non. ma

100000 Mar 200.0		
CONDUITS		
90mm@1MC		
80mmØ IMC		
1919-019010265		
	90mm@1MC 80mm@1MC	90mm@HMC 80mm@HMC

24-00006

	NOT TO SCALE						
0 BY:	SHEET CONTENT	SHEET NO.					
A. JOSEFINA G. BELMONTE	BOHEDULE OF LOADS	EL-03 0309					

PANEL MAIN:		OSMEÑA 225AT, 25 85KAIC, 24		ENT)				
CKT.	VOLTS	OUTLET		LOAD DESCRIPTION	AMPERE	VOLT	CIRCUIT BREAKER	SIZE O
NO.	L.O C.O	EGAD DESCRIPTION	LOAD	AMPERE	CIRCUIT BREAKER	WIRES		
1	220			OSMEÑA GF	27.27	6,000	100AT, 2P, Bolt-on	2-30mm ² THHN + 1-8.0mm ² TH
2	220			OSMEÑA 2F	43.64	9600	100AT, 2P, Bolt-on	2-30mm ² THHN + 1-8.0mm ² TH
3	220			OSMEÑA 3F	43.64	9600	100AT, 2P, Bolt-on	2-30mm2 THHN + 1-8.0mm2 TH
4	220			OSMEÑA 4F	43.64	9600	100AT, 2P, Bolt-on	2-30mm2 THHN + 1-8.0mm2 TH
5	220			EXISTING LOAD	43.64	9600	50AT, 2P, Bolt-on	2-30mm ² THHN + 1-8.0mm ² TH
6	220			SPACE		-2		
			TOTA	L	201.82	44,400		

IT = 201.82 AMPERES

Feeder Line:

Use: 2-100mm² THHN + 1-30mm² THW (G) in 65mmØ PVC

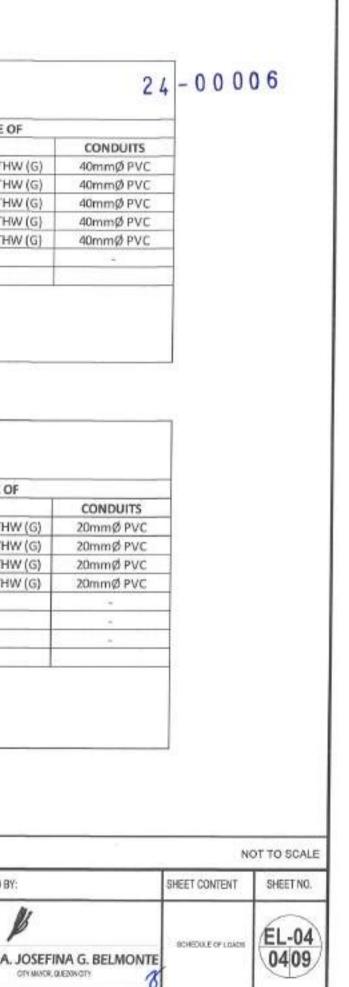
PANEL: MAIN:		30AT, 100	GF (EXISTING) AF, 2P IOV, MCCB					
CKT.	VOLTS	OU	TLET	LOAD DESCRIPTION	AMPERE	VOLT		SIZE O
NO.	VOLIS	L.O	C.O	LOAD DESCRIPTION	LOAD	AMPERE	CIRCUIT BREAKER	WIRES
1	220			EXISTING LOAD	5.45	1200	20AT, 2P, Bolt-on	2-3.5mm² THHN + 1-2.0mm² TH
2	220			EXISTING LOAD	8,18	1800	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² TH
3	220			EXISTING LOAD	5.45	1200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THN
4	220			EXISTING LOAD	8.18	1800	20AT, 2P, Bolt-on	2-3.5mm2 THHN + 1-2.0mm2 THV
5	220			SPACE		-		-
6	220			SPACE		(a)		-
7	220		4	SPACE			-	
			TOT	AL	27.27	6000		

I_T = 27.27 AMPERES

Feeder Line:

Use: 2-5.5mm² THHN + 1-3.5mm² THW (G) in 20mmØ PVC

	1 SCHEDULE OF LOADS						
		PROJECT TITLE :	DATE: November 13, 2023		SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY
	Republika ng Pirpina Langsod ng Queran DEPARTMENT OF ENGINEERING Diskamenthalang it on torcansande Palalaritan Deriver indirection of the Constant State Dataset of the Constant State Dataset of the Constant State Dataset of the Constant State Dataset of the Constant State	PROPOSED UPGRADING OF ELECTRICAL SYSTEM AT SERGIO OSMEÑA SENIOR HIGH SCHOOL IN BARANGAY MASAMBONG	DEEKSNED ET.	GRANNEY GWG -		ATTY. MARK DALE DIAMOND P. PERRAL	
Į		LOCATION : BARANGAY MASAMBONG, DISTRICT 1, QUEZON CITY	REVISION NO. (HER, PREDISINIVA DE DE GUZMAN	ATTT. MARK DALE URAMOND P. PERKAL	HUN, MA.



PANEL MAIN:		OSMEÑA 60AT, 100 50KAIC, 24	1.005 C.1.1					
CKT.	VOLTS	OU	TLET	LOAD DESCRIPTION	AMPERE	VOLT	CIRCUIT BREAKER	SIZE
NO.	VOLIS	L.O	C.O	LOAD DESCRIPTION	LOAD	AMPERE	CIRCUIT BREAKER	WIRES
1	220			EXISTING LOAD	5.45	1200	20AT, 2P, Bolt-on	2-3.5mm2 THHN + 1-2.0mm2 T
2	220			EXISTING LOAD	5.45	1200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² T
з	220			EXISTING LOAD	8.18	1800	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ³ T
4	220			EXISTING LOAD	8.18	1800	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² T
5	220			SPACE			Se	-
6	220			EXISTING LOAD	8.18	1800	20AT, 2P, Bolt-on	2-3.5mm2 THHN + 1-2.0mm2 T
7	220			EXISTING LOAD	8.18	1800	20AT, 2P, Bolt-on	2-3.5mm² THHN + 1-2.0mm² T
			TOTA	L	43.64	9600		

IT= 43.64 AMPERES

Feeder Line:

Use: 2-14mm² THHN + 1-8.0mm² THW (G) in 32mmØ PVC

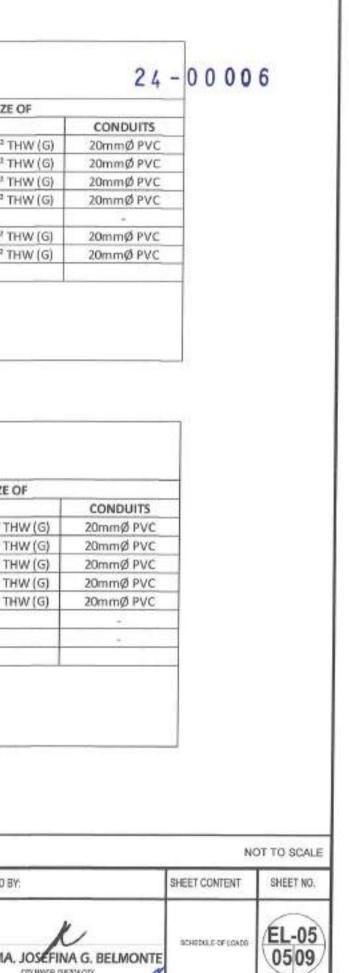
PANEL MAIN:		70AT, 100	같은 이 사람은 것은 것이 없는 것이 같은 것을 다 가지 않는 것이 없다. 것이 같은 것이 같은 것이 같은 것이 같은 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 말을 가 없는 것이 없는 것 않이	OSMEÑA 4F) (EXISTING)				
CKT.	VOLTS	OU	TLET	LOAD DESCRIPTION	AMPERE	VOLT	CIRCUIT BREAKER	SIZE
NO.	VOLIS	LO	C.0	LOAD DESCRIPTION	LOAD	AMPERE	CIRCUIT BREAKER	WIRES
1	220			EXISTING LOAD	6.82	1500	20AT, 2P, Bolt-on	2-3.5mm2 THHN + 1-2.0mm2 TH
2	220			EXISTING LOAD	6.82	1500	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² TH
3	220			EXISTING LOAD	9.82	2160	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² TH
4	220			EXISTING LOAD	9.82	2160	20AT, 2P, Bolt-on	2-3.5mm2 THHN + 1-2.0mm2 TH
5	220			EXISTING LOAD	9.82	2160	20AT, 2P, Bolt-on	2-3.5mm² THHN + 1-2.0mm² Th
6	220			SPACE	2.4	-	÷7	-
7	220			SPACE		-	•	-
			TOTA	AL.	43.09	9480		

I₇ = 43.09 AMPERES

Feeder Line:

Use: 2-14mm2 THHN + 1-8.0mm2 THW (G) in 32mmØ PVC

1 SCHEDULE OF LOADS	5					
	PROJECT TITLE :	DATE: November 12, 2023		SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED B
Beputible ng Prigree Langsod ng Quezon DEPARTMENT OF ENGINEERING Defention of the Longson Administration Defention of the Longson Administration Defention of the Longson of the Longson of the Longson of the Defention of the Longson	PROPOSED UPGRADING OF ELECTRICAL SYSTEM AT SERGIO OSMEÑA SENIOR HIGH SCHOOL IN BARANGAY MASAMBONG	0	CRAINER DINS A		ATTY. MARK DALE, DIAMOND P. PERRAL	
	LOCATION : BARANGAY MASAMBONG, DISTRICT 1, QUEZON CITY	REVISION NO. :		HOD, RUMMERCESCITES	ATTT. MARK DALE DIAMOND P. PERNAL	HON. MA



CITY MINOR, QUEZON CITY

PANEL MAIN:	8	DEPED (E) 100AT, 10 50KAIC, 24	0AF, 2P					
CKT.			TLET		AMPERE	VOLT		SIZE
NO.	VOLTS	LO	C.O	LOAD DESCRIPTION	LOAD	AMPERE	CIRCUIT BREAKER	WIRES
1	220			EXISTING LOAD	5.45	1200	20AT, 2P, Bolt-on	2-3.5mm² THHN + 1-2.0mm² T
2	220			EXISTING LOAD	5,45	1200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² T
3	220			EXISTING LOAD	8.18	1800	30AT, 2P, Bolt-on	2-5.5mm ² THHN + 1-2.0mm ² TI
4	220			EXISTING LOAD	8.18	1800	30AT, 2P, Bolt-on	2-5.5mm2 THHN + 1-2.0mm2 TI
5	220			EXISTING LOAD	8,18	1800	30AT, 2P, Bolt-on	2-5.5mm² THHN + 1-2.0mm² TI
6	220			EXISTING LOAD	8.18	1800	30AT, 2P, Bolt-on	2-5.5mm ² THHN + 1-2.0mm ² TI
7	220			EXISTING LOAD	15.00	3300	30AT, 2P, Bolt-pn	2-5.5mm2 THHN + 1-2.0mm2 TI
8	220			EXISTING LOAD	30.00	6600	60AT, 2P, Bolt-on	2-14mm ² THHN + 1-8.0mm ² Th
			TOT	AL	88.64	19500		

I_T = 88.64 AMPERES

Feeder Line:

Use: 2-30mm² THHN + 1-8.0mm² THW (G) in 40mmØ PVC

PANEL MAIN:	55	CALALAY 100AT, 10 50KAIC, 24	0AF, 2P 10V, MCCB					
CKT.	VOLTE	OU	TLET	OTHER LOAD SERVICE	AMPERE	VOLT	CIDCUUT ODE AVED	SIZE O
NO.	VOLTS	LO	C.O	OTHER LOAD SERVICE	LOAD	AMPERE	CIRCUIT BREAKER	WIRES
1	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THV
2	220	1		EXISTING LOAD	9.82	2,160	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THV
3	220			EXISTING LOAD	9.82	2,160	20AT, 2P, Bolt-on	2-3.5mm² THHN + 1-2.0mm² THN
4	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm² THHN + 1-2.0mm² THV
5	220			EXISTING LOAD	9,82	2,160	20AT, 2P, Bolt-on	2-3.5mm² THHN + 1-2.0mm² TH\
6	220	1		EXISTING LOAD	9.82	2,160	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THV
7	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm² THHN + 1-2.0mm² THV
8	220			EXISTING LOAD	9.82	2,160	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THV
9	220	1		EXISTING LOAD	9.82	2,160	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THV
10	220			EXISTING LOAD	9.82	2,160	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THV
11	220			SPACE				
12	220			SPACE				
			TOTA	L	85.09	18720		

I_T= 85.09 AMPERES

Use: 2-30mm² THHN + 1-8.0mm² THW (G) in 40mmØ PVC

1	SCHEDULE OF LOADS						
		PROJECT TITLE :	GATE: November 13, 2023		SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY
	DEPARTMENT OF ENGINEERING Two farter Ratery 1. To had Compared Glaber Real Devent 1900 Desear Day Transmotor 101 Devent Day	PROPOSED UPGRADING OF ELECTRICAL SYSTEM AT SERGIO OSMEÑA SENIOR HIGH SCHOOL IN BARANGAY MASAMBONG		SPAINEY INNS A	ENGR. FREDISWINDA DL DE GUZMAN	ATTY, MARK DALE DIAMOND P. PERRAL	HON MA
Ľ	Cristi schner ogreente Banonolyge pr	LOCATION : BARANGAY MASAMBONG, DISTRICT 1, QUEZON CITY	REVISION NO :		HERD. PLAN PERSON AND DE DUZMAN	ATTT. MARN DALE DAMOND P. PERRALE	HUN. MA.

	2	4 -	0	0	0	0	6
OF		7	1	-	1	1	23
	CONDUITS						
HW (G)	20mmØ PVC						
HW (G)	20mmØ PVC						
HW (G)	20mmØ PVC						
HW (G)	20mmØ PVC						
HW (G)	20mmØ PVC						
HW (G)	20mmØ PVC						
HW (G)	20mmØ PVC						
HW (G)	25mmØ PVC	_					
)F							
	CONDUITS						
W (G)	20mmØ PVC						
W (G)	20mmØ PVC						
W (G)	20mmØ PVC						
W (G)	20mmØ PVC	-					
W (G)	20mmØPVC	4					
W (G)	20mmØ PVC	-					
W (G)	20mmØ PVC	4					
W (G)	20mmØ PVC	1					
W (G) W (G)	20mmØ PVC 20mmØ PVC	1					
			_		N	ot	TO SCA
BY:		SHEET	CON	ITEN	τ		SHEET N
		ache	OULE	0F1.0	4D3	A	EL-00

PANEL: MAIN:		60AT, 100	(FOR REPLACEN AF, 2P IOV, MCCB	IENT)				
CKT.	VOLTS	OU	TLET	OTHER LOAD FERMICE	AMPERE	VOLT		SIZE C
NO.	VOLIS	LO	C.O	OTHER LOAD SERVICE	LOAD	AMPERE	CIRCUIT BREAKER	WIRES
1	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² TH
2	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² TH
3	220			EXISTING LOAD	9.82	2,160	30AT, 2P, Bolt-on	2-5.5mm ² THHN + 1-3.5mm ² TH
4	220			EXISTING LOAD	9.82	2,160	30AT, 2P, Bolt-on	2-5.5mm ² THHN + 1-3.5mm ² TH
			TOTA	NL .	30.55	6720		

I_T= 30.55 AMPERES

Feeder Line:

-

Use: 2-14mm² THHN + 1-8.0mm² THW (G) in 32mmØ PVC

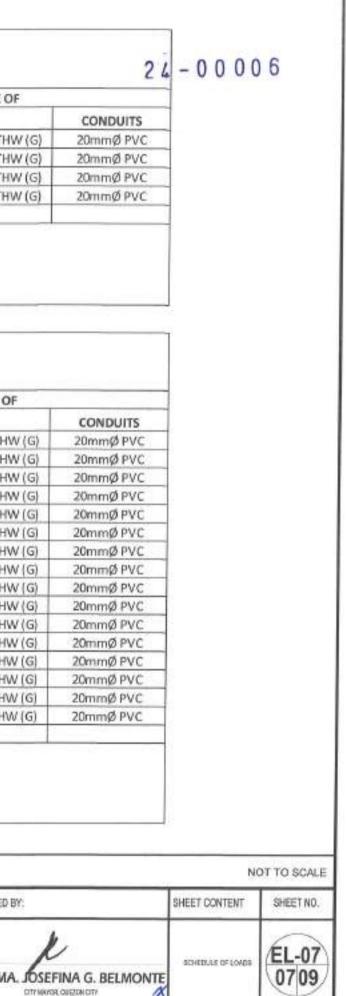
PANEL: MAIN:		DPWH (FOR REPLACEMENT) 125AT, 200AF, 2P 85KAIC, 240V, MCCB									
CKT.	VOLTS	OUTLET		OTHER LOAD SERVICE	AMPERE	VOLT	CIRCUIT BREAKER	SIZE O			
NO.	VOLIS	L.O	C.O	OTHER LOAD SERVICE	LOAD	AMPERE	CIRCOTT DREAKER	WIRES			
1	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm2 THHN + 1-2.0mm2 THW			
2	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm2 THHN + 1-2.0mm2 THW			
3	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THW			
4	220			EXISTING LOAD	8.18	1,800	30AT, 2P, Bolt-on	2-5.5mm2 THHN + 1-2.0mm2 THW			
5	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm2 THHN + 1-2.0mm2 THW			
6	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm2 THHN + 1-2.0mm2 THW			
7	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm² THHN + 1-2.0mm² THW			
8	220			EXISTING LOAD	8.18	1,800	30AT, 2P, Bolt-on	2-5.5mm ² THHN + 1-2.0mm ² THW			
9	220			EXISTING LOAD	5,45	1,200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THW			
10	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm ³ THHN + 1-2.0mm ² THW			
11	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm² THHN + 1-2.0mm² THW			
12	220			EXISTING LOAD	8.18	1,800	30AT, 2P, Bolt-on	2-5.5mm ² THHN + 1-2.0mm ² THW			
13	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm2 THHN + 1-2.0mm2 THW			
14	220			EXISTING LOAD	8,18	1,800	30AT, 2P, Bolt-on	2-5.5mm ² THHN + 1-2.0mm ² THW			
15	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THW			
16	220			EXISTING LOAD	8.18	1,800	30AT, 2P, Bolt-on	2-5.5mm² THHN + 1-2.0mm² THW			
		25	TOTA	L	100.91	22200					

1_T= 100.91 AMPERES

Feeder Line:

Use: 2-38mm² THHN + 1-8.0mm² THW (G) in 40mmØ PVC

L	1 SCHEDULE OF LOADS						
ſ		PROJECT TITLE :	CAUE November 13, 2023	1	SUBMITTED BY:	RECOMMENDING APPROVAL;	APPROVED BY
Children Children	Republika ng Pilipinai Lungsod ng Quexon DEPARTMENT OF ENGINEERING Onit Canno thating 5. day rate composite straban that Dist Canno thating 5. day rate composite straban that Dist Canno that that the control into Canno the Distance of the Canno the Distance of the Canno the	PROPOSED UPGRADING OF ELECTRICAL SYSTEM AT SERGIO OSMEŇA SENIOR HIGH SCHOOL IN BARANGAY MASAMBONG	BECREWER	DRAWN BY DANS +		ATTY, MARK DALE DAMOND P. PERRAL	HON MA
L	~~~	LOCATION : BARANGAY MASAMBONG, DISTRICT 1, QUEZON CITY	REVISION NO. :		HIGH. FREDISIPADA DE LE GUZMAN HEND. RUMMPARISENOVISION	ATTT, MARK DALE DIAMOND P. PERKAL	HON. MA.



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CKT.	HOUTE	OU	TLET	OTHER LOAD SERVICE	AMPERE	VOLT		SIZE OF
NO.	VOLTS	L.O	C.O	OTHER LOAD SERVICE	LOAD	AMPERE	CIRCUIT BREAKER	WIRES
1	220			EXISTING LOAD	5,45	1,200	20AT, 2P, Bolt-on	2-3.5mm2 THHN + 1-2.0mm2 THW (G
2	220			EXISTING LOAD	5,45	1,200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THW (G
3	220			EXISTING LOAD	9.82	2,160	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THW (G
4	220			EXISTING LOAD	9.82	2,160	20AT, 2P, Bolt-on	2-3.5mm² THHN + 1-2.0mm² THW (G
			TOT	AL.	30.55	6720		
	Line: 2-14mm ² T	HHN + 1-8.	0mm² THW (G) ii	n 32mmØ PVC				
	2-14mm² T	TECHVOC 60AT, 100 50KAIC, 24	(FOR REPLACEM AF, 2P 40V, MCCB					
Use: PANEL	2-14mm² T	TECHVOC 60AT, 100 50KAIC, 24	(FOR REPLACEM AF, 2P	IENT)	AMPERE	VOLT	CIRCUIT BREAKER	SIZE OF
Use: PANEL MAIN:	2-14mm² T	TECHVOC 60AT, 100 50KAIC, 24	(FOR REPLACEM AF, 2P 40V, MCCB		AMPERE	VOLT	CIRCUIT BREAKER	SIZE OF WIRES
Use: PANEL MAIN: CKT.	2-14mm² T	TECHVOC 60AT, 100 50KAIC, 24 OU	(FOR REPLACEM AF, 2P 40V, MCCB TLET	IENT)		100000000000000000000000000000000000000	CIRCUIT BREAKER 20AT, 2P, Bolt-on	
Use: PANEL MAIN: CKT, NO,	2-14mm ² T	TECHVOC 60AT, 100 50KAIC, 24 OU	(FOR REPLACEM AF, 2P 40V, MCCB TLET	IENT) OTHER LOAD SERVICE	LOAD	AMPERE		WIRES -2-3.5mm ² THHN + 1-2.0mm ² THW (G)
Use: PANEL MAIN: CKT. NO. 1	2-14mm ² T : VOLTS 220	TECHVOC 60AT, 100 50KAIC, 24 OU	(FOR REPLACEM AF, 2P 40V, MCCB TLET	OTHER LOAD SERVICE EXISTING LOAD	LOAD 5.45	AMPERE 1,200	20AT, 2P, Bolt-on	WIRES 2-3.5mm ² THHN + 1-2.0mm ² THW (G) 2-3.5mm ² THHN + 1-2.0mm ² THW (G)
Use: PANEL MAIN: CKT. NO. 1 2	2-14mm ² T VOLTS 220 220	TECHVOC 60AT, 100 50KAIC, 24 OU	(FOR REPLACEM AF, 2P 40V, MCCB TLET	OTHER LOAD SERVICE EXISTING LOAD EXISTING LOAD	LOAD 5.45 5.45	AMPERE 1,200 1,200	20AT, 2P, Bolt-on 20AT, 2P, Bolt-on	WIRES
Use: PANEL MAIN: CKT, NO, 1 2 3	2-14mm ² T VOLTS 220 220 220	TECHVOC 60AT, 100 50KAIC, 24 OU	(FOR REPLACEM AF, 2P 40V, MCCB TLET	OTHER LOAD SERVICE EXISTING LOAD EXISTING LOAD EXISTING LOAD	LOAD 5.45 5.45 9.82	AMPERE 1,200 1,200 2,160	20AT, 2P, Bolt-on 20AT, 2P, Bolt-on 20AT, 2P, Bolt-on	WIRES 2-3.5mm ² THHN + 1-2.0mm ² THW (G) 2-3.5mm ² THHN + 1-2.0mm ² THW (G) 2-3.5mm ² THHN + 1-2.0mm ² THW (G)
Use: PANEL MAIN: CKT. NO. 1 2 3 4	2-14mm ² T VOLTS 220 220 220 220	TECHVOC 60AT, 100 50KAIC, 24 OU	(FOR REPLACEM AF, 2P 40V, MCCB TLET	OTHER LOAD SERVICE EXISTING LOAD EXISTING LOAD EXISTING LOAD EXISTING LOAD EXISTING LOAD	LOAD 5.45 5.45 9.82 9.82	AMPERE 1,200 1,200 2,160 2,160	20AT, 2P, Bolt-on 20AT, 2P, Bolt-on 20AT, 2P, Bolt-on 20AT, 2P, Bolt-on	WIRES 2-3.5mm ² THHN + 1-2.0mm ² THW (G) 2-3.5mm ² THHN + 1-2.0mm ² THW (G) 2-3.5mm ² THHN + 1-2.0mm ² THW (G) 2-3.5mm ³ THHN + 1-2.0mm ² THW (G)

Feeder Line:

PANEL: MAIN:

Use: 2-14mm² THHN + 1-8.0mm² THW (G) in 32mmØ PVC

T.H.E (FOR REPLACEMENT)

60AT, 100AF, 2P 50KAIC, 240V, MCCB

1 S	CHEDULE OF LOADS							NC	OT TO SCALE
		PROJECT TITLE :	DATE: Nevember 13, 2023)	SUBMITTED BY:	RECOMMENDING APPROVAL	APPROVED BY:	SHEET CONTENT	SHEET NO.
	Republicang Piliping Lungsod ng Quezon DEPARTMENT OF ENGINEERING Deter Anthroy 5, On the Conserved, District Road Deters, Origination (1990) Deters (1990) 1900 (1990) Deters (1990) 1900 Determine (1990) 2000 (1990) Lowel anthrow (1990) 2000 (1990)	PROPOSED UPGRADING OF ELECTRICAL SYSTEM AT SERGIO OSMEŇA SENIOR HIGH SCHOOL IN BARANGAY MASAMBONG	RUTCHER DESCRIPTION	DRAINIBY DINS CHECKEDAN RDA	ENGR. FREDISTINDA DL DE GUZMAN	ATTY, MARK DALE DIAMOND P. PERRAL		BCHEDALE OF LOADS	EL-08 0809
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# 24-00006 CONDUITS 20mmØPVC 20mmØ PVC 20mmØPVC 20mmØPVC CONDUITS 20mmØPVC 20mmØPVC 20mmØ PVC 20mmØ PVC 20mmØ PVC

CKT.	VOLIS			AMPERE	VOLT		SIZE OF			
NO.	VOLIS	LO	C.O	OTHER LOAD SERVICE	LOAD	AMPERE	CIRCUIT BREAKER	WIRES	CONDUITS	
1	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THW (G)	20mmØ PVC	
2	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THW (G)	20mmØ PVC	
3	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THW (G)	20mmØ PVC	
4	220			EXISTING LOAD	8.18	1,800	30AT, 2P, Bolt-on	2-5.5mm ² THHN + 1-2.0mm ² THW (G)	20mmØ PVC	
5	220			<b>EXISTING LOAD</b>	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THW (G)	20mmØ PVC	
6	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THW (G)	20mmØ PVC	
7	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm2 THHN + 1-2.0mm2 THW (G)	20mmØ PVC	
8	220			EXISTING LOAD	8.18	1,800	30AT, 2P, Bolt-on	2-5.5mm2 THHN + 1-2.0mm2 THW (G)	20mmØ PVC	
9	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THW (G)	20mmØ PVC	
10	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THW (G)	20mmØ PVC	
11	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THW (G)	20mmØ PVC	
12	220			EXISTING LOAD	8.18	1,800	30AT, 2P, Bolt-on	2-5.5mm ² THHN + 1-2.0mm ² THW (G)	20mmØ PVC	
13	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm ² THHN + 1-2.0mm ² THW (G)	20mmØ PVC	
14	220			EXISTING LOAD	5.45	1,200	20AT, 2P, Bolt-on	2-3.5mm2 THHN + 1-2.0mm2 THW (G)	20mmØ PVC	
15	220			EXISTING LOAD	8.18	1,800	30AT, 2P, Bolt-on	2-5.5mm2 THHN + 1-2.0mm2 THW (G)	20mmØ PVC	
16	220			EXISTING LOAD	8.18	1,800	30AT, 2P, Bolt-on	2-5.5mm2 THHN + 1-2.0mm2 THW (G)	20mmØ PVC	
_			TOT	AL	100.91	22200				

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I SCHEDULE OF LOADS	PROJECT TITLE :	QADE: November 18, 202		SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	NC SHEET CONTENT	OT TO SCALE SHEET NO.
DEPARTMENT OF ENGINEERING Orn Lever dors 1. Corne Consold, Again Heat Dever, Geres (10) Gauge Cornel Devers (10) Gauge	PROPOSED UPGRADING OF ELECTRICAL SYSTEM AT SERGIO OSMEÑA SENIOR HIGH SCHOOL IN BARANGAY MASAMBONG	LUCING AVER	DEMAN BY	an	- 10	N	NCHEDULE OF LOADS	EL-09
Calle C. Evaluation reprinting Barrande garage	LOCATION : BARANGAY MASAMBONG, DISTRICT 1, QUEZON CITY	REVISIONINO		HENGR. FREDISVINDA DL DE GUZMAN	ATTY. MARK DALE DIAMOND P. PERRAL	HON. MA. JOSEFINA G. BELMONTE		0909

# 24-00006

# Section VIII. Bill of Quantities

### Notes on the Bill of Quantities

#### Objectives

The objectives of the Bill of Quantities are:

- a. to provide sufficient information on the quantities of Works to be performed to enable Bids to be prepared efficiently and accurately; and
- b. when a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.

In order to attain these objectives, Works should be itemized in the Bill of Quantities in sufficient detail to distinguish between the different classes of Works, or between Works of the same nature carried out in different locations or in other circumstances which may give rise to different considerations of cost. Consistent with these requirements, the layout and content of the Bill of Quantities should be as simple and brief as possible.

#### **Daywork Schedule**

A Daywork Schedule should be included only if the probability of unforeseen work, outside the items included in the Bill of Quantities, is high. To facilitate checking by the Entity of the realism of rates quoted by the Bidders, the Daywork Schedule should normally comprise the following:

- a. A list of the various classes of labor, materials, and Constructional Plant for which basic daywork rates or prices are to be inserted by the Bidder, together with a statement of the conditions under which the Contractor will be paid for work executed on a daywork basis.
- b. Nominal quantities for each item of Daywork, to be priced by each Bidder at Daywork rates as Bid. The rate to be entered by the Bidder against each basic Daywork item should include the Contractor's profit, overheads, supervision, and other charges.

#### **Provisional Sums**

A general provision for physical contingencies (quantity overruns) may be made by including a provisional sum in the Summary Bill of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a provisional sum in the Summary Bill of Quantities. The inclusion of such provisional sums often facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future need arises. Where such provisional sums or contingency allowances are used, the SCC should state the manner in which they will be used, and under whose authority (usually the Procuring Entity's Representative's).

The estimated cost of specialized work to be carried out, or of special goods to be supplied, by other contractors should be indicated in the relevant part of the Bill of Quantities as a particular provisional sum with an appropriate brief description. A separate procurement procedure is normally carried out by the Procuring Entity to select such specialized contractors. To provide an element of competition among the Bidders in respect of any facilities, amenities, attendance, etc., to be provided by the successful Bidder as prime Contractor for the use and convenience of the specialist contractors, each related provisional sum should be followed by an item in the Bill of Quantities inviting the Bidder to quote a sum for such amenities, facilities, attendance, etc.

#### **Signature Box**

A signature box shall be added at the bottom of each page of the Bill of Quantities where the authorized representative of the Bidder shall affix his signature. Failure of the authorized representative to sign each and every page of the Bill of Quantities shall be a cause for rejection of his bid.

These Notes for Preparing a Bill of Quantities are intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They should not be included in the final documents.

PROJECT TITLE : PROPOSED UPGRADING OF ELECTRICAL SYSTEM AT SERGIO OSMEÑA SENIOR HIGH SCHOOL

LOCATION : BARANGAY MASAMBONG, DISTRICT 1, QUEZON CITY

PROJECT NO. : 24 - 00006

DURATION : Thirty (30) Calendar Days

#### BREAKDOWN OF COST

ITEM NO.	DESCRIPTION	ESTIMATED DIRECT	TOT	AL MARK-UP	VAT	TOTAL INDIRECT COST	TOTAL COST
	DESCRIPTION	COST	%	VALUE	VAT	TOTAL INDIRECT COST	IUTAL COST
PART I	OTHER GENERAL REQUIREMENTS						
PART II	ELECTRICAL WORKS						
	GRAND TOTAL						

TOTAL COST₽_____

LUMP SUM BID IN WORDS : _____

Contractor : _____

Page 3 of 3 Bid Form

#### **BILL OF QUANTITIES**

#### (Building Construction/Rehabilitation Project)

#### PROJECT TITLE : PROPOSED UPGRADING OF ELECTRICAL SYSTEM AT SERGIO OSMEÑA SENIOR HIGH SCHOOL

- LOCATION : BARANGAY MASAMBONG, DISTRICT 1, QUEZON CITY
- PROJECT NO. : 24 00006
- DURATION : Thirty (30) Calendar Days

ITEM CODE	DESCRIPTION	QUANTITY		ESTIMATED	MAR	K-UP IN %	TOTA	L MARK-UP	VAT	TOTAL INDIRECT	TOTAL COST	UNIT COST
ITEW CODE	DESCRIPTION	QUANTIT		DIRECT COST	OCM	PROFIT	%	VALUE		COST	TOTAL COST	
PART I	OTHER GENERAL REQUIREMENTS											
B.5	Project Billboard / Sign Board	1	ea									
B.7(1)	Occupational Safety and Health	1	month									
	TOTAL OF PART II											
PART II	ELECTRICAL WORKS											
1100 (10)	Conduits, Boxes and Fittings	1	l.s.									
1101 (33)	Wires and Wiring Devices	1	l.s.									
1102 (1)	Panelboard with Main and Branch Breakers	1	l.s.									
	TOTAL OF PART II											
	GRAND TOTAL											

# Section IX. Checklist of Technical and Financial Documents

### Notes on the Checklist of Technical and Financial Documents

The prescribed documents in the checklist are mandatory to be submitted in the Bid, but shall be subject to the following:

- a. GPPB Resolution No. 09-2020 on the efficient procurement measures during a State of Calamity or other similar issuances that shall allow the use of alternate documents in lieu of the mandated requirements; or
- b. any subsequent GPPB issuances adjusting the documentary requirements after the effectivity of the adoption of the PBDs.

The BAC shall be checking the submitted documents of each Bidder against this checklist to ascertain if they are all present, using a non-discretionary "pass/fail" criterion pursuant to Section 30 of the 2016 revised IRR of RA No. 9184.

# **Checklist of Technical and Financial Documents**

#### I. TECHNICAL COMPONENT ENVELOPE

#### Class "A" Documents

Legal Documents

- □ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages); and
- (b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document;

and

- (c) Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;
   and
- $\Box$  (e) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

Technical Documents

- □ (f) 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 (*please see attached prescribed forms required by the QC BAC for Infrastructure and Consultancy*); and
- □ (g) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules with an attached Notice of Award, Notice to Proceed, Contract and Certificate of Acceptance (please see attached prescribed form required by the QC BAC for Infrastructure and Consultancy); and
- □ (h) Philippine Contractors Accreditation Board (PCAB) License;
   <u>or</u> Special PCAB License in case of Joint Ventures;

and registration for the type and cost of the contract to be bid; and

(i) 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

- (j) Project Requirements, which shall include the following:
- a. Organizational chart for the contract to be bid;

- 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 (*please see attached prescribed form required by the QC BAC for Infrastructure and Consultancy*);
- c. 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 (*please* see attached prescribed form required by the QC - BAC for Infrastructure and Consultancy); and

 $\Box$  (k) 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.

Additional Technical Requirements:

- Certificate of Site Inspection or Affidavit of Site Inspection as part of Omnibus Sworn Statement
- ☐ Affidavit of Undertaking for Key Personnel and Equipment (please see attached prescribed form required by the QC BAC for Infrastructure and Consultancy)
- Equipment Utilization Schedule
- Manpower Schedule
- Construction Schedule and S-Curve
- PERT-CMP
- Construction Methods

Financial Documents

- □ (1) 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; and
- (m) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) (please see attached prescribed form required by the QC − BAC for Infrastructure and Consultancy).

#### Class "B" Documents

□ (n) 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;

<u>or</u>

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.

#### **II. FINANCIAL COMPONENT ENVELOPE**

 $\Box$  (o) Original of duly signed and accomplished Financial Bid Form; <u>and</u>

#### Other documentary requirements under RA No. 9184

- $\Box$  (p) Original of duly signed Bid Prices in the Bill of Quantities; <u>and</u>
- □ (q) Duly accomplished Detailed Estimates Form, including a summary shee indicating the unit prices of construction materials, labor rates, and equipmen rentals used in coming up with the Bid; and
- $\Box$  (r) Cash Flow by Quarter.

#### 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:

- 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,
- 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 guidelines¹ for this purpose;
- 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;
- 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
- We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.

¹ currently based on GPPB Resolution No. 09-2020

- 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 the [Name of Project] of the [Name of the Procuring Entity].
- 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]

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

I/We, the undersigned, declare that:

- 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.
- I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
  - 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]

GPPB Resolution No. 16-2020, dated 16 September 2020

#### **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, <u>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;</u>
- 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, BAC the head the Project and the Secretariat, of 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.
- 11. We pledge that the project will be completed in accordance and congruency with the approved plans and programs.

**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]

#### Contract Agreement Form for the Procurement of Infrastructure Projects (Revised)

[not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]

#### CONTRACT AGREEMENT

THIS AGREEMENT, made this [insert date] day of [insert month], [insert year] between [name and address of PROCURING ENTITY] (hereinafter called the "Entity") and [name and address of Contractor] (hereinafter called the "Contractor").

WHEREAS, the Entity is desirous that the Contractor execute [name and identification number of contract] (hereinafter called "the Works") and the Entity has accepted the Bid for [contract price in words and figures in specified currency] by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
- The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, viz.:
  - Philippine Bidding Documents (PBDs);
    - Drawings/Plans;
    - ii. Specifications;
    - iii. Bill of Quantities;
    - iv. General and Special Conditions of Contract;
    - v. Supplemental or Bid Bulletins, if any;
  - Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (e.g., Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

- c. Performance Security;
- d. Notice of Award of Contract and the Bidder's conforme thereto; and
- e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. <u>Winning bidder agrees that</u> additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.
- In consideration for the sum of [total contract price in words and figures] or such other sums as may be ascertained, [Named of the bidder] agrees to [state the object of the contract] in accordance with his/her/its Bid.

 The [Name of the procuring entity] agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

[Insert Name and Signature] [Insert Name and Signature]

[Insert Signatory's Legal Capacity] [Insert Signatory's Legal Capacity]

for: for:

[Insert Procuring Entity] [Insert Name of Supplier]

#### Acknowledgment

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

#### LIST OF ALL ON-GOING GOVERNMENT AND PRIVATE CONTRACTS

NAME OF CONTRACTOR:

PROJECT TITLE					CONTRACTOR'S BOLE (SOLE CONTINCTOR, SUBCONTINCTOR,	TOTAL	DATE OF	CONTRACT	PERCENTAGE		
(Name of the Centract) 8. EXACT PROJECT LOCATION	DATE OF CONTRACT	CONTRACT DURATION	PROJECT OWNER & POSTAL ADDRESS	NATURE OF WORK	PARTICIPATION	CONTRACT VALUE AT AWARD	COMPLETION or ESTIMATED COMPLETION TIME	VALUE AT COMPLETION IF APPLICABLE	ACTUAL ACCOMPUSHMENT	PLANNED ACCOMPLISHMENT	VALUE OF OUTSTANDIN WORKS (IN PHP)
									TOTAL AMOUNT OUTSTANDING V		

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#### LIST OF ALL AWARDED BUT NOT YET STARTED GOVERNMENT AND PRIVATE CONTRACTS OF THE BIDDER

NAME OF CONTRACTOR:

PROJECT TITLE: _____

PROJECT TITLE & EXACT LOCATION	MAJOR SCOPE OF WORKS & DATE STARTED	NAME AND ADDRESS OF PROJECT OWNER	CONTRACT PRICE (PHP) AS AWARDED	DATE OF SCHEDULED COMPLETION	ROLE OF BIDDER IN THE CONTRACT SOLE CONTRACTOR / SUB- CONTRACTOR/PARTNER IN A
		5			
		TOTAL AMOUNT OF CONTRACT (Php)			

PHOTOCOPY ADDITIONAL FORMS, IF NECESSARY

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#### SINGLE LARGEST COMPLETED CONTRACT SIMILAR TO THE CONTRACT TO BE BID

NAME OF CONTRACTOR:

PROJECT TITLE:

PROJECT TITLE (Name of the Contract) & EXACT PROJECT LOCATION	DATE OF CONTRACT	CONTRACT DURATION	PROJECT OWNER & POSTAL ADDRESS	NATURE OF WORK	CONTRACTOR'S ROLE SOLE CONTRACTOR, SUBCONTRACTOR, PARTHER IN A (V) and PERCENTAGE OF PARTICIPATION	TOTAL CONTRACT VALUE AT AWARD	DATE OF COMPLETION or ESTIMATED COMPLETION TIME	TOTAL CONTRACT VALUE AT COMPLETIO IF APPLICABI
								IT APPLICAD

PHOTOCOPY ADDITIONAL FORMS, IF NECESSARY

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#### LIST OF MAJOR EQUIPMENT TO BE USED FOR THE PROJECT

NAME OF CONTRACTOR:

### PROJECT TITLE:

TYPE	DESCRIPTION / CAPACITY	SERIAL NO.	YEAR ACQUIRED	PRESENT LOCATION (SPECIFIC ADDRESS)	STATUS OF AVAILABILITY (OWNED/LEASED)

Page____of____

#### A. LIST OF KEY CONSTRUCTION PERSONNEL TO BE ASSIGNED TO THE PROJECT

NAME OF CONTRACTOR:

# PROJECT TITLE: _____

POSITION	AGE	EDUCATIONAL	TYPE OF CONSTRUCTION EXPERIENCE	NO.OF YEARS WITH THE CONTRACTOR	PROFESSION	PRC NO.
	POSITION	POSITION AGE	PENITURY ASE	POSITION AGE ATTAINMENT CONSTRUCTION	POSITION AGE EDUCATIONAL CONSTRUCTION WITH THE	POSITION AGE ATTAINMENT CONSTRUCTION WITH THE PROFESSION

PHOTOCOPY ADDITIONAL FORMS, IF NECESSARY

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# COMPUTATION OF NET FINANCIAL CONTRACTING CAPACITY (NFCC)

NAME OF BIDDER:

CURRENT ASSETS*		РНР	
(LESS) CURRENT LIABILITIES*	(LESS)	PHP	
NETWORTH		PHP	
NETWORTH x 15	x 15	РНР	
(LESS) VALUE OF ALL OUTSTANDING ON-GOING CONTRACTS**	(LESS)	- РНР	
(LESS) VALUE OF ALL AWARDED BUT NOT YET STARTED CONTRACTS AS OF DATE**	(LESS)	PHP -	
NET FINANCIAL CONTRACTING CAPACITY		РНР	
		-01 	

NOTES: 
+ CURRENT ASSETS AND LIABILITIES BASED ON AUDITED FINANCIAL STATEMENT FOR THE PRECEDING CALENDAR YEAR SUBMITTED TO B.I.R.

> ** BASED ON LIST OF ON-GOING AND AWRDED BUT NOT YEY STARTED CONTRACTS SUBMITTED

#### REPUBLIC OF THE PHILIPPINES)

5. B

____) S. S.

### AFFIDAVIT OF UNDERTAKING

REPRES	l,, of legal age, RESENTATIVE]	Filipino,	OFFICER OR
	office address at		after
naving t	ng been duly sworn to in accordance with law, hereby volu	ntary depose and st	ate:
	That I am duly authorized representative of the <u>INan</u> undertaking as evidenced by Secretary's Certificate and	ne of Bidder I Board Resolution.	to execute this
3	That <u>IName of Bidder</u> bidding for the (Name of	Project)	
	That relative to the aforementioned Project, the <u>[Nan</u> that the equipment to be use and the key personnel to be will only perform to the said project until its completion	e assign shall exclus	reby undertake ively be used and
,	That I am executing this affidavit to attest to the truth of with the submission of the technical requirements for th	the foregoing and i e public bidding of	n compliance the said project.
	IN WITNESS HEREOF, I have hereunto signed m	iy name below th	his day
y	AFFIANT FURTHER SAYETH NAUGHT.		

Affiant

SUBSCRIBED AND SWORN TO BEFORE ME this	_ day of
in	

affiant exhibiting to me his/her _____ issued at on

Doc, No. ÷ Page No. ; Book No. ÷ Series of 2020

Notary Public

