



Republic of the Philippines  
DEPARTMENT OF HEALTH  
PHILIPPINE CHILDREN'S MEDICAL CENTER  
Bids and Awards Committee  
Quezon Avenue, Quezon City 1100  
website: [www.pcmc.gov.ph](http://www.pcmc.gov.ph) email: [pcmcba@gmail.com](mailto:pcmcba@gmail.com)  
Trunkline: 8588-9900 local 361/355 Telefax No.: 8924-0870

## SECTION I

# *Invitation to Bid*

**One (1) Lot**

**Design and Build of New Power House**

---

**IB-2022-161**



Republic of the Philippines  
DEPARTMENT OF HEALTH  
PHILIPPINE CHILDREN'S MEDICAL CENTER

Quezon Avenue, Quezon City 1100  
website: [www.pcmc.gov.ph](http://www.pcmc.gov.ph) email: [officeofthedirector@pcmc.gov.ph](mailto:officeofthedirector@pcmc.gov.ph)  
Trunk Line: 8588-9900 to 20 Direct Line: 8924-6601

**INVITATION TO BID**  
**IB 2022-161**

1. The Philippine Children's Medical Center (PCMC) through the DOH-HFEP CY 2022 intends to apply the sum of **Forty-Two Million Pesos (Php42,000,000.00)** being the Approved Budget for the Contract (ABC) to payments under the following Invitation to Bid. Bids received in excess of the ABC shall be automatically rejected at bid opening.

Item Description	Approved Budget for the Contract	Cost of Bidding Documents
<b>One (1) Lot Design and Build of New Power House</b>	<b>42,000,000.00</b>	<b>25,000.00</b>

2. The Philippine Children's Medical Center (PCMC) now invites bids for the above Procurement Project. Completion of the Works is required **within Twelve (12) months** from receipt and signing of Notice to Proceed. Bidders should have completed a contract similar to the Project. The Description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).

3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184.

4. Prospective Bidders may obtain further information from PCMC and inspect the Bidding Documents at the address given below during office hours.

5. A complete set of Bidding Documents may be acquired by interested Bidders **starting November 25, 2022** from given address and website below and upon payment of the applicable fee stated above. The Procuring Entity shall allow the bidder to present its proof of payment for the fees by presenting the Official Receipt.

6. The Philippine Children's Medical Center will hold a **Pre-Bid Conference on December 7, 2022** at 2:00 P.M. through video conferencing via *Zoom Application* which shall be open to prospective bidders.

*Meeting ID: 945 7794 3218*  
*Passcode : IB2022161*

7. Bids must be duly received through manual submission on or before **December 19, 2022 1:30 P.M., Guard-on-Duty, 3rd Floor, Procurement Division Area, PCMC Main Building.** Late bids shall not be accepted.

8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 16.

**PhilHealth Accredited**



Management System  
ISO 9001:2015  
ISO 14001:2015  
www.tuv.com  
0 20 8676604



9. Bid opening shall be on **December 19, 2022, 2:00 P.M. 3<sup>rd</sup> Floor, Function Hall 1 & 2, PCMC Main Building**. Bids will be opened in the presence of the Bidders' representatives who choose to attend at the afore-mentioned venue. In compliance to social distancing and to support the government's effort to mitigate, if not contain the transmission of COVID-19, we will **strictly allow only one authorized representative** per bidder company to enter the venue during opening of bids. Provided further, that said authorized representative shall follow PCMC's safety protocol by wearing face masks while inside PCMC Premises.

10. The **Philippine Children's Medical Center (PCMC)** 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 IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.

11. For further information, please refer to:

PCMC BAC Secretariat  
3<sup>rd</sup> Floor, Procurement Division  
PCMC Main Building  
Quezon Avenue, cor. Agham Road Quezon City  
Trunkline : 8588-9900 Loc 361 / 355  
Fax Number: 924-0870  
Email : pcmbac@gmail.com

12. You may visit the following websites:

For downloading of Bidding Document : [www.pcmc.gov.ph](http://www.pcmc.gov.ph)  
[www.philgcps.gov.ph](http://www.philgcps.gov.ph)

November 25, 2022



**EMMA A. MARIANO, CPA, MGM-ESP**  
Chairman, Bids & Awards Committee *EM*



Republic of the Philippines  
DEPARTMENT OF HEALTH  
PHILIPPINE CHILDREN'S MEDICAL CENTER  
Bids and Awards Committee  
Quezon Avenue, Quezon City 1100  
website: [www.pcmc.gov.ph](http://www.pcmc.gov.ph) email: [bac@pcmc.gov.ph](mailto:bac@pcmc.gov.ph)  
Trunkline: 588-9900 local 361/355 Telefax No.: 924-0870

## SECTION II

# *Instructions to Bidders*

## One (1) Lot

# Design and Build of New Power House

---

**IB-2022-161**

## 1. Scope of Bid

The Procuring Entity, **Philippine Children’s Medical Center (PCMC)** invites Bids for the **One (1) Lot Design and Build of New Power House**, with Project Identification Number **IB-2022-161**.

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 **DOH-HFEP 2022** in the amount of **Forty-Two Million Pesos (Php42, 000,000.00)**.

2.2. The source of funding is:

b. **GOCC and GFIs, the Corporate Operating Budget.**

## 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 allowed. The portions of the Project and the maximum percentage allowed to be subcontracted are indicated in the BDS, which shall not exceed fifty percent (50%) of the contracted Works.**
- 7.2. 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 Philippine Children's Medical Center will hold a Pre-Bid Conference on **December 7, 2022 at 2:00 P.M.** through video conferencing via *Zoom Application (Meeting ID: 945 7794 3218 Passcode : IB2022161)* which shall be open to prospective bidders, as indicated in paragraph 6 of the **IB**.

## 9. Clarification and Amendment of Bidding Documents

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

## 10. Documents Comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.
- 10.3. In joint ventures, a special PCAB License, and registration for the type and cost of the contract for this Project, shall be required. 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.

For Foreign-funded procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

## 12. Alternative Bids

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

## 13. Bid Prices

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

## 14. Bid and Payment Currencies

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

14.2. Payment of the contract price shall be made in:

- a. Philippine Pesos.

## 15. Bid Security

15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

15.2. The Bid and bid security shall be valid until **120 calendar days**. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

## 16. Sealing and Marking of Bids

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

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

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

**Use of indelible ink color blue shall be used by the authorized signatory in signing the required forms. *Strictly NO using of staple wire and thick materials for tab***



The **First (1<sup>st</sup>) Envelope**, shall contain the following **Technical Documents** accomplished in five (5) sets, **each set filed in a folder/ data binder**

The **Second (2<sup>nd</sup>) Envelope** shall contain the Financial Component accomplished in five (5) sets, **each set filed in a folder/ data binder**

**All copies should be certified as true copy**

<b>COLOR CODING OF FOLDERS/ENVELOPES</b>	<b>BROWN</b>
--	--------------

**LABEL ON THE ENVELOPE/S:**

Name of PROCURING ENTITY  
Name of CONTRACT TO BE BID  
IB Number  
DATE of Bid Opening  
Name of the Bidder Company  
Address of the Bidder Company

**IDENTIFY THE ENVELOPES:**

as: > Technical Component Requirements  
(original, copy 1, 2, 3 & 4)  
> Financial Component Requirement  
(original, copy 1, 2, 3 & 4)

**17. Deadline for Submission of Bids**

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

**18. Opening and Preliminary Examination of Bids**

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

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

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

**19. Detailed Evaluation and Comparison of Bids**

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

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

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

**20. Post Qualification**

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

**21. Signing of the Contract**

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

**CONFORME:**

\_\_\_\_\_  
Authorized Signatory  
Signature over printed name

\_\_\_\_\_  
Contact No:

\_\_\_\_\_  
Name of Company/Firm  
Contact No.

\_\_\_\_\_  
Company's Official Email Address  
(where notices will be sent)

\_\_\_\_\_  
Company's Official



Republic of the Philippines  
DEPARTMENT OF HEALTH  
PHILIPPINE CHILDREN'S MEDICAL CENTER  
Bids and Awards Committee  
Quezon Avenue, Quezon City 1100  
website: [www.pcmc.gov.ph](http://www.pcmc.gov.ph) email: [pcmbac@gmail.com](mailto:pcmbac@gmail.com)  
Trunkline: 8588-9900 local 361/355 Telefax No.: 8924-0870

## SECTION III

# *Bid Data Sheet*

**One (1) Lot**

**Design and Build of New Power House**

---

**IB-2022-161**

# Bid Data Sheet

ITB Clause																	
5.2	<p>For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be:</p> <ul style="list-style-type: none"> <li>• Construction of Power House (at least 34.5KV or High Voltage Substation)</li> </ul>																
7.1	<p>Subcontracting is allowed only for the following works:</p> <ol style="list-style-type: none"> <li>1. Civil Works (Maximum of 50%)</li> <li>2. Excavation Works (Maximum of 50%)</li> </ol> <p>However, subcontracting of any portion shall not relieve the bidder from any liability or obligation that may arise from the contract of this project.</p>																
10.3	<p><i>Valid Special Philippine Contractor's Accreditation Board (PCAB) License and registration:</i></p> <ul style="list-style-type: none"> <li>• <i>License Category B, Medium A Specialty, Electrical Works, Electro-Mechanical Work</i> <i>General Building – Building or Industrial Plant</i></li> </ul>																
10.4	<p>The key personnel must meet the required minimum years of experience set below:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: center;">FOR DESIGN</th> <th style="text-align: center;">FOR CONSTRUCTION</th> </tr> </thead> <tbody> <tr> <td>Project Coordinator (1)</td> <td>Project Manager (1)</td> </tr> <tr> <td>Design Architect (1)</td> <td>Project Engineer (1)</td> </tr> <tr> <td>Structural/Civil Engineer (1)</td> <td>Materials Engineer (1)</td> </tr> <tr> <td>Professional Electrical Engineer (1)</td> <td>Construction Safety Officer (1)</td> </tr> <tr> <td>Professional Mechanical Engineer (1)</td> <td>Master Plumber / Sanitary Engineer</td> </tr> <tr> <td>Sanitary Engineer/ Master Plumber (1)</td> <td>Electrical Engineer (1)</td> </tr> <tr> <td></td> <td>Mechanical Engineer (1)</td> </tr> </tbody> </table>	FOR DESIGN	FOR CONSTRUCTION	Project Coordinator (1)	Project Manager (1)	Design Architect (1)	Project Engineer (1)	Structural/Civil Engineer (1)	Materials Engineer (1)	Professional Electrical Engineer (1)	Construction Safety Officer (1)	Professional Mechanical Engineer (1)	Master Plumber / Sanitary Engineer	Sanitary Engineer/ Master Plumber (1)	Electrical Engineer (1)		Mechanical Engineer (1)
FOR DESIGN	FOR CONSTRUCTION																
Project Coordinator (1)	Project Manager (1)																
Design Architect (1)	Project Engineer (1)																
Structural/Civil Engineer (1)	Materials Engineer (1)																
Professional Electrical Engineer (1)	Construction Safety Officer (1)																
Professional Mechanical Engineer (1)	Master Plumber / Sanitary Engineer																
Sanitary Engineer/ Master Plumber (1)	Electrical Engineer (1)																
	Mechanical Engineer (1)																
10.5	<p>The minimum major equipment requirements are the following:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: center;">Equipment</th> <th style="text-align: center;">Capacity</th> <th style="text-align: center;">Number of Units</th> </tr> </thead> <tbody> <tr> <td>Dump Truck</td> <td>Min of 5 cu m</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Boom Truck</td> <td></td> <td style="text-align: center;">1</td> </tr> <tr> <td>Backhoe</td> <td></td> <td style="text-align: center;">1</td> </tr> <tr> <td>Compactor</td> <td></td> <td style="text-align: center;">1</td> </tr> </tbody> </table>	Equipment	Capacity	Number of Units	Dump Truck	Min of 5 cu m	1	Boom Truck		1	Backhoe		1	Compactor		1	
Equipment	Capacity	Number of Units															
Dump Truck	Min of 5 cu m	1															
Boom Truck		1															
Backhoe		1															
Compactor		1															
12	<p><i>[Insert Value Engineering clause if allowed.]</i> “No further instructions.”</p>																

15.1	<p>The bid security shall be in any of the following forms and amounts:</p> <ol style="list-style-type: none"> <li>a. Bid Securing Declaration <i>[use of Form No. DOBA-PCMC-BDF5 is required]</i></li> <li>b. The amount of not less than <b>Php840,000.00 (2% of the ABC)</b> if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank; or</li> <li>c. The amount of not less than <b>Php2,100,000.00 (5% of the ABC)</b>, if bid security is in the form of Surety Bond callable upon demand issued by a surety or insurance company duly certified by Insurance Commission as authorized to issue such security.</li> </ol>
19.2	<p>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.</p>
20	<p>The <b><u>Lowest Calculated Bidder</u></b> and <b><u>In case of a Joint Venture Agreement, each of its partner</u></b> shall submit the following documentary requirements within a non-extendible period of <b>five (5) calendar days</b> from receipt of the notification that contain the following:</p> <ol style="list-style-type: none"> <li>1. Latest Income and Business Tax Returns filed and paid through the BIR Electronic Filing (EFPS).</li> <li>2. Affidavit of Site Inspection <i>(use of Form no. DOBA-PCMC-SIF22 is required)</i></li> <li>3. Valid ISO Certificate or its equivalent</li> <li>4. Duly accomplished Certificate of Undertaking</li> <li>5. Certificate of Performance in letterhead of their clients indicating the contact numbers and email addresses signed by the authorized head of the Department from three (3) clients of the bidder issued within the last six (6) months prior to bid opening.</li> </ol> <p style="text-align: center;"><i>Note:</i> Certification issued by PCMC – Procurement Section must be included if bidder had done business with us. Certification of which should be of same category (e.g. equipment/supplies) of project being bided.</p> <p>Failure of the Bidder declared as LCB to duly submit the requirements stated above or a finding against the veracity of such shall be ground for forfeiture of the bid security and disqualify the Bidder for award.</p>

21	<p>Within ten (10) calendar days upon receipt of Notice of Award, Winning bidder shall submit five (5) copies of the following documents which shall form part of the contract:</p> <ol style="list-style-type: none"> <li>1. Manpower Utilization Schedule (<i>use of Form No. DOBA-PCMC-MUF13 is required</i>).</li> <li>2. Construction Schedule through Gantt Chart (for construction activities) and S-Curve (for financial requirements)</li> <li>3. Equipment Utilization Schedule (<i>use of Form No. DOBA-PCMC-EUF21 is required</i>).</li> <li>4. PERT – CPM</li> <li>5. Construction Safety and Health Program <p style="text-align: center;"><i>Note: Must be in accordance with the rules and regulations and other orders and issuances by the DOLE</i></p> </li> <li>6. Signed <i>Conforme</i> on Section II. Instructions to Bidders on all pages</li> <li>7. Signed <i>Conforme</i> on Section III. Bid Data Sheet on all pages</li> <li>8. Signed <i>Conforme</i> on Section IV. General Conditions of the Contract on all pages</li> <li>9. Signed <i>Conforme</i> on Section V. Special Conditions of the Contract on all pages</li> <li>10. Signed <i>Conforme</i> on Section VI. Specifications on all pages</li> </ol>
----	---

**CONFORME:**

\_\_\_\_\_  
Authorized Signatory  
Signature over printed name

\_\_\_\_\_  
Contact No:

\_\_\_\_\_  
Name of Company/Firm  
Contact No.

\_\_\_\_\_  
Company's Official Email Address  
(where notices will be sent)

\_\_\_\_\_  
Company's Official





Republic of the Philippines  
DEPARTMENT OF HEALTH  
PHILIPPINE CHILDREN'S MEDICAL CENTER  
Bids and Awards Committee  
Quezon Avenue, Quezon City 1100  
website: [www.pcmc.gov.ph](http://www.pcmc.gov.ph) email: [bac@pcmc.gov.ph](mailto:bac@pcmc.gov.ph)  
Trunkline: 588-9900 local 361/355 Telefax No.: 924-0870

## SECTION IV

# *General Conditions of Contract*

**One (1) Lot**

**Design and Build of New Power House**

---

**IB-2022-161**

## 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

4.1. 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.

4.2. 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 Day works 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.

### CONFORME:

\_\_\_\_\_  
Authorized Signatory  
Signature over printed name

\_\_\_\_\_  
Contact No:

\_\_\_\_\_  
Name of Company/Firm  
Contact No.

\_\_\_\_\_  
Company's Official Email Address  
(where notices will be sent)

\_\_\_\_\_  
Company's Official



Republic of the Philippines  
DEPARTMENT OF HEALTH  
PHILIPPINE CHILDREN'S MEDICAL CENTER  
Bids and Awards Committee  
Quezon Avenue, Quezon City 1100  
website: [www.pcmc.gov.ph](http://www.pcmc.gov.ph) email: [bac@pcmc.gov.ph](mailto:bac@pcmc.gov.ph)  
Trunkline: 588-9900 local 361/355 Telefax No.: 924-0870

## SECTION V

### *Special Conditions of Contract*

# One (1) Lot Design and Build of New Power House

---

**IB-2022-161**

# Special Conditions of Contract

GCC Clause	
2	<p>The <b>Intended Completion Date</b> is <b>Twelve (12) months</b> from the starting date; the starting date being is seven (7) calendar days from the issuance of the Notice to Proceed.</p> <p><b>Note: The contract duration shall be reckoned from the start date and not from the contract effectivity date</b></p>
4.1	The site will be turned over to the contractor upon receipt of the Notice to Proceed
6	<p>The site investigation reports are:</p> <ul style="list-style-type: none"> <li>• Preliminary Design and Construction Study</li> </ul>
7.2	<i>[In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures:]</i> <b>Fifteen (15) years</b>
10	a. Dayworks are applicable at the rate shown in the Contractor's original Bid.
11.1	The Contractor shall submit the Program of Work to the Procuring Entity's Representative within <i>Fourteen (14) calendar days</i> of delivery of the <b><u>Notice of Proceed</u></b> .
11.2	<p>The amount to be withheld for late submission of an updated Program of Work is <i>2% of the Total Contract Price</i> amounting to _____</p> <p style="text-align: center;"><i>[amount in local currency]</i></p>
13	<p>The amount of the advance payment is <i>Fifteen percent (15%) of the Total Contract Price</i> amounting to _____</p> <p style="text-align: center;"><i>[amount in local currency]</i></p>
14	Materials and equipment delivered on the site but not completely put in place shall be included for payment.
15.1	<p>The date by which operating and maintenance manuals are required is <i>Upon Project Completion and this document is part of the requirements for final payment</i></p> <p>The date by which "as-built" drawings are required is <i>Upon project completion</i></p>



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 2% of the total contract price _____ <div style="text-align: right; margin-top: 5px;"><i>[amount in local currency].</i></div>
------	---

**CONFORME:**

\_\_\_\_\_  
 Authorized Signatory  
 Signature over printed name

\_\_\_\_\_  
 Contact No:

\_\_\_\_\_  
 Name of Company/Firm  
 Contact No.

\_\_\_\_\_  
 Company’s Official Email Address  
 (where notices will be sent)

\_\_\_\_\_  
 Company’s Official



Republic of the Philippines  
**PHILIPPINE CHILDREN'S MEDICAL CENTER**

**Bids and Awards Committee**

Quezon Avenue, Quezon City 1100

588-9900 loc 361 Website: [www.pcmc.gov.ph](http://www.pcmc.gov.ph) email: [bac@pcmc.gov.ph](mailto:bac@pcmc.gov.ph)

## **SECTION VI**

### ***Specifications***

# **One (1) Lot Design and Build of New Power House**

---

**IB-2022-161**

PRELIMINARY  
DESIGN &  
CONSTRUCTION  
STUDY



## PRELIMINARY DESIGN AND CONSTRUCTION STUDY

### I. PROJECT DESCRIPTION

The Design and Build of PCMC's New Power House aims to provide power supply for the 8 Storey Building, Pediatric Brain Center and Cancer Center that will provide quality healthcare to sick children. The said powerhouse should be completed within 12 months.

### II. CONCEPTUAL DESIGN

A conceptual design was prepared by PCMC, however, this design shall serve as reference only. PCMC does not guarantee that the data is fully correct, updated, and applicable to the project at hand. The winning bidder is responsible for the accuracy and applicability of all data. The conceptual design and plans are hereto attached as Annex "A".

### III. PERFORMANCE SPECIFICATION AND PARAMETERS

The Performance and Specification and parameters were stated in the Terms of reference from 5.0 Coverage and the Scope of the Design up to 14.0 Required Testing and Certification.

The project shall conform to the provisions of the Philippine Electrical Code, Electrical Engineering Law (RA 7920), National Building Code of the Philippines (PD 1096), Code of Sanitation of the Philippines and its implementing rules and Regulation (856), Accessibility Law (BP 344), National Structural Code of the Philippines, Mechanical Engineering Law (RA 5336), Plumbing Code (RA 1378, 1993-1994 Revisions), Fire Code of the Philippines (Ra 9514), Philippine Green Building Code, Philippine Clean Air Act of 1999 (RA8749), Philippine Clean Water Act of 2004 (RA 9275), Environmental Impact Statement System (PD1586) and other applicable laws and regulations.

### IV. MINIMUM REQUIREMENT FOR CONSTRUCTION SAFETY AND HEALTH PROGRAM

Every construction project shall have a suitable Construction and Safety Program, which must be in accordance with the rules, and other orders and issuances issued by the DOLE, the Project In-Charge, or an equally responsible officer, shall be responsible for the compliance of the Program.

a. The Contractor shall have Safety and Health program approved by DOLE/Implementing Office.

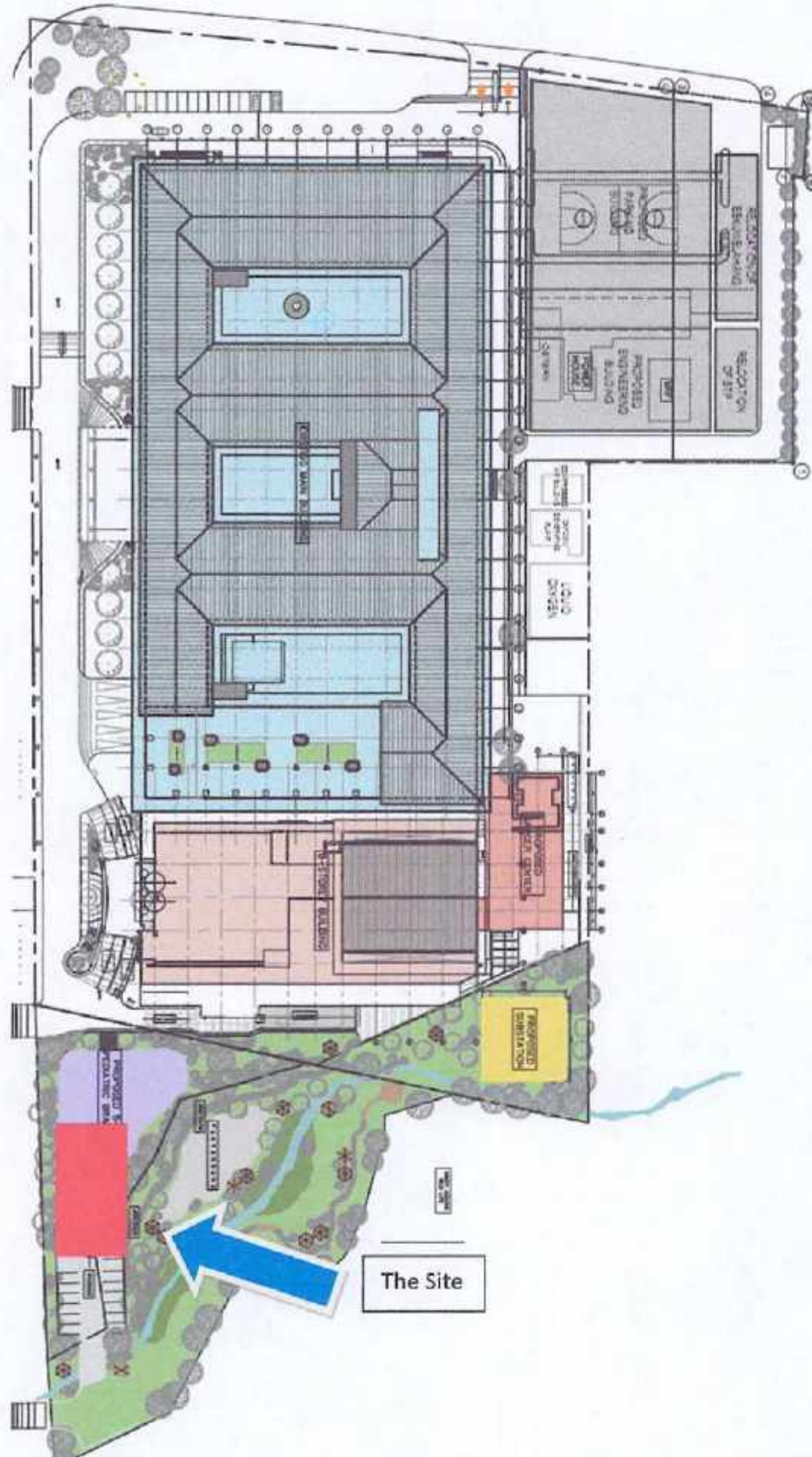
b. The Contractor shall have Safety and Health committee established and maintained in accordance with Rule 1410 of Occupational Safety and Health Standards.

c. The Contractor shall have Certified/Qualified Safety and Health personnel employed and detailed at site.

- d. The Contractor shall have appropriate personal protective equipment (e.g. helmets, safety shoes, safety belt/lifeline, eye protection, ear plug, dust mask, etc.) provided and worn by all workers/staff.
- e. Heavy equipment operated by certified/qualified operators only.
- f. Critical construction work done by certified/qualified skilled workers only.
- g. Heavy equipment are tested and certified to be in good running condition.
- h. Safety practices and procedures in general construction observed and implemented at construction site (electrical, fire protection, lighting, construction of safe walkways, protection from falling materials, shoring, scaffolding, etc.).
- i. First aid cabinets are fully equipped and readily available for treatment of sicknesses and injuries.
- j. ESH signs are clearly visible to construction staff, workers and public.
- k. Conduct of regular safety meeting.
- l. Monthly construction safety and health report submitted to DOLE or any equivalent.



V. PRELIMINARY SURVEY AND MAPPING





## VI. PRELIMINARY INVESTIGATION

### a. Hazard Assessment;



Republic of the Philippines  
 Department of Science and Technology  
**PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY**  
 PHIVOLCS Bldg., C.P. Garcia Ave., University of the Philippines Campus, Diliman, Quezon City  
 Tels. 426-1468 to 79; 926-2611; 927-1095; 929-9254; 927-4524; 920-7058; 928-3757  
 Fax: 929-8366; 927-1087; 926-3225



GGRD-HASS-QF-04

HAS-May-17-567

DATE 02 May 2017  
 FOR PHILIPPINE CHILDREN'S MEDICAL CENTER  
 REPRESENTED BY JULIUS A. LECCIONES  
 PURPOSE DOH requirement


#### EARTHQUAKE HAZARD ASSESSMENT

LOT DESCRIPTION, PROJECT NAME, LOCATION	GROUND RUPTURE	LIQUEFACTION	EARTHQUAKE-INDUCED LANDSLIDE
Lot RP-3-B-4-B-1-B-3-C-3, Psd-128681; Lot RP-3-B-4-B-1-D-4-C, Bsd-22019; Proposed Cancer Building; Agham Road corner Quezon Avenue, Diliman, Quezon City	Safe; Approximately 4.2 kilometers west of the West Valley Fault	Safe	Safe

#### EXPLANATION AND RECOMMENDATION

- ✓ All hazard assessments are based on the latest available hazard maps and on the location indicated in the vicinity map provided.
- ✓ Ground rupture hazard assessment is the distance to the nearest known active fault. The recommended buffer zone, or Zone of Avoidance, against ground rupture hazard is at least 5 meters on both sides of the active fault or from its zone of deformation.
- ✓ All sites may be affected by strong ground shaking.
- ✓ Ground shaking hazard can be mitigated by following the provisions of the National Building Code and the Structural Code of the Philippines.
- ✓ This hazard assessment supersedes previous assessment made by this office regarding the site.

Assessed by Abigail C. Pidlaoan Officer-of-the-Day  
 Verified by Maria Lynn P. Melosantos Hazard Assessment Services Officer

Approved by  RENATO U. SOLIDUM, JR. Undersecretary for DRR and CC, DOST  
 and  
 Officer-in-Charge, PHIVOLCS

V1-2016-06-01

### b. Geotechnical Investigation Report of Infrastructure Project Near the project site (Please see annex A)

## VII. UTILITY LOCATIONS

The proposed site of Powerhouse is located approximately 150 meters away from the power and 50 meters away from water supply.

**VIII. APPROVED BUDGET FOR THE PROJECT**

The total approved budget cost for the Projects is FortyTwo Million Pesos (Php42,000,000.00). Proposals exceeding the ABC shall be automatically rejected.

**IX. PROPOSED DESIGN AND CONSTRUCTION SCHEDULE**

The Design and Build Contractor is required to complete the Project within an indicative period as shown in the Terms of Reference 20.0 Timeframe, to start upon the Design and Build Contractor receipt and signing of Notice to Proceed.

The above data are for reference only. The Procuring Entity does not guarantee that these data are fully correct, up to date and applicable to the project at hand. The contractor is responsible for the accuracy and applicability of all data, including the above, that it will be use in the design and build proposal and services.

**CONFORME:**

\_\_\_\_\_  
Authorized Signatory  
Signature over printed name

\_\_\_\_\_  
Contact No:

\_\_\_\_\_  
Name of Company/Firm

\_\_\_\_\_  
Company's Official Email Address  
(where notices will be sent)

\_\_\_\_\_  
Company's Official Contact No.

# TERMS OF REFERENCE



## **TERMS OF REFERENCE**

### **1.0 PROJECT TITLE:**

**Design and Build of Philippine Children's Medical Center (PCMC) New Power House**

### **2.0 TYPE OF SERVICES:**

**Design and Build for Civil/Structural Works of Power House and Electrical Works.**

### **3.0 PROJECT LOCATION:**

**Quezon Avenue, cor. Agham Road, Quezon City**

*Pathway clearance for mobilization shall be managed by the design and build contractor.*

### **4.0 PROJECT BACKGROUND RATIONALE:**

PCMC has initiated its massive expansion aim to upgrade and expand the whole hospital complex to match the standards of the larger private hospitals in Metro Manila to address its healthcare needs of a growing patients' population. The ongoing expansion projects are:

- 4.1 Construction of 8-Storey Building
- 4.2 Construction of 4-storey Cancer Building with Linac Bunker
- 4.3 Construction of 4-storey Brain Center

This Design and Build Project is intended to thoroughly assess our electrical power supply needs and to provide a well-designed POWER HOUSE including all its electrical devices needed. To provide a sound power supply system including emergency power supply for the three main PCMC expansion project stated above.

All the data provided by PCMC for this design and build project does not guarantee the correctness, up to date and applicability for the project at hand. The contractor shall be responsible for the applicability of all the data to be used for the design and build proposal.

### **5.0 COVERAGE & SCOPE OF THE DESIGN**

5.1 The contractor shall be responsible for the preparation and submission of all necessary detailed engineering investigations, surveys and designs in accordance with the provisions of Annex A of this Implementing Rules and Regulation (IRR) which includes but not limited to the following:

- 5.1.1 Detailed overall design of Power House/ high voltage electrical substation layouts;
- 5.1.2 Shall create design plans and documents;
- 5.1.3 Technical specifications;
- 5.1.4 Prepare design calculations,
- 5.1.5 Bill of quantities (BOQ),
- 5.1.6 Detailed unit price analysis (DUPA)

5.2 The "Design" pertaining to civil works shall include:



- 5.2.1 The building's facility that will house all necessary equipment for power house;
- 5.2.2 The construction of Riprap/Gabion or box culvert, whichever is applicable for the preservation/ diversion of the existing creek and if absolute needed.
- 5.2.3 Construction of Duct bank and Manhole (with MERALCO's approval upon inspection)
- 5.2.4 Construction of Concrete Pedestal

5.3 The "Design" pertaining to electrical works shall include:

- 5.3.1 First Private Pole and load breaker SF6;
- 5.3.2 All XLPE Cables;
- 5.3.3 4.0 MVA Medium Voltage Switchgear SF6, Ring Main Unit (RMU);
- 5.3.4 Transformer: (with structural provision for: *Civil works*)
  - 5.3.4a 2 unit 1000KVA for 8-storey Building
  - 5.3.4b 1 unit 1000KVA for Cancer Building
  - 5.3.4c 1 unit 500KVA for Brain Center Building
  - 5.3.4d 1 unit Transformer 500KVA for other loads
- 5.3.5 Synchronizing Panel;
- 5.3.6 3 units of Generator 1000Kilo-Watt per Unit;
- 5.3.7 5 units Automatic Transfer Switch;
- 5.3.8 Safety Devices:
  - 5.3.8a Main Lightning Arrester
  - 5.3.8b Surge Suppressor
  - 5.3.8c Hospital Building Grounding System
- 5.3.9 Aboveground Fuel Tank Reservoir 10,000 L capacity.

## 6.0 RESPONSIBILITY OF PRINCIPAL ELECTRICAL DESIGN ENGINEER

The following are the main responsibilities of the principal designer for power house/ medium voltage electrical substation, but not limited to:

- 6.1 To deliver an accurate design of medium voltage electrical substation and meet the hospital needs in conformance of Philippine Electrical Code (PEC).
- 6.2 Ensure that the design should meet the following:
  - 6.2.1 Environmental Safety Requirements
  - 6.2.2 Equipment Zoning
  - 6.2.3 Engineering Cable Management
  - 6.2.4 Emergency Preparedness Code
  - 6.2.5 Compliance to Quality and Safety Code (Electrical and Radiation)
- 6.3 Act as Principal Design Engineer for powerhouse and medium voltage substation.
- 6.4 Ensure that the design resources are working effectively and efficiently.
- 6.5 Shall be accountable and responsible for the integrity of the overall design.
- 6.6 Ensure that all equipment supplied by "other contractor" should comply in the design specifications.
- 6.7 Shall ensure safe integration and compatibility of all equipment in the design.
- 6.8 Shall act as lead person to decide and recommend to the Head of Procuring Entity for resolution to address technical problems that arise during project implementation.



## **7.0 FACILITY AND EQUIPMENT TO BE SUPPLIED FOR THIS CONTRACT**

The project calls for the delivery, supply, installation, testing and commissioning of the following:

- 7.1 Power house structure that is enclosed, watertight, weather proof and can support the loads of all necessary equipment, as required.
- 7.2 First private pole and load breaker SF6
- 7.3 4.0 MVA Medium Voltage Switchgear SF6, Ring Main Unit (RMU)
- 7.4 1 unit ATS Automatic Transfer Switch
- 7.5 Safety devices:
  - 7.5.1 Lightning Arrester
  - 7.5.2 Surge Suppressor
  - 7.5.3 Hospital Building Grounding System
- 7.6 1-unit 1000 KVA Transformer

## **8.0 PROJECT DESIGN CRITERIA:**

Minimum design specification:

- 8.1 Concrete power house shall have the following characteristic;
  - 8.1.1 Shall have air-conditioned work station room (Power and load Monitoring System, BMS)
  - 8.1.2 Provision of adequate air flow IN and OUT ventilation system, industrial exhaust and blower fan.
  - 8.1.3 Power house shall have a relative humidity level of at least 40 to 60%.
- 8.2 The design shall include private pole plus load breaker.
- 8.3 Design of duct bank with manhole from private pole to power house. Number of manholes shall be in conformance to Meralco's specification. Design shall be permitted by Meralco.
- 8.4 The Medium Voltage Switchgear shall have a capacity of 34.5KV and has slots with complete terminal lugs of five (5) panels minimum with protection device.
- 8.5 The design shall ensure protection of the medium voltage switchgear device in the event of non-compliance transformer supplied by other contractor.
- 8.6 Design of aboveground fuel tanker shall have a capacity of 10,000 liter with complete system and transfer fuel pump.
- 8.7 Synchronizing panel – slot of 3 units 1,000KW Electric Generating set. Shall be open system to all modalities of generator system.
- 8.8 Automatic Transfer Switch shall be used for secondary voltages 400Volts and 230Volts.
- 8.9 The Design shall include safety mechanism in the event of fault in the primary side of the transformer using manual switch over bypass system.
- 8.10 The electrical equipment shall have a standard hospital-grade grounding system and safely bonded to the powerhouse structure.
- 8.11 All electrical cable wires must be color-coded as per Philippine Electrical Code and shall be clearly labelled.

## **9.0 PRE-DETAILED DESIGN WORK:**

- 9.1 Engineering Surveys and investigations

- 9.1.1 Surveys and investigations of the site includes boundaries of the property, elevations and contour (soil tests, location, dimension, floor elevations and other pertinent data on existing buildings and improvements (roads, parking areas, mature trees) and existing utility lines (e.g. water, power, telephone, drainage).

## 9.2 Design Development Drawings

Preparation of schematic drawings based on the design criteria and conceptual plan prepared by PCMC.

- 9.2.1 Perspective Views (Interior and Exterior)
- 9.2.2 At least 2 view Section Plan
- 9.2.3 Complete space allocation
- 9.2.4 Structural Plan
- 9.2.5 Mechanical Plan
- 9.2.6 Electrical Plan
- 9.2.7 Sanitary Plan
- 9.2.8 Engineering Plans, Layout and Schematic Diagram

## 10.0 DESIGN WORK/DESIGN PHASE

10.1 Detailed Power House to include but not limited to the following plans signed and sealed;

- 10.1.1 Detailed Architectural Plan
- 10.1.2 Detailed Structural Plan
- 10.1.3 Detailed Electrical Plan
- 10.1.4 Detailed Mechanical Plan
- 10.1.5 Detailed Storm Drain, Sanitary and Plumbing Plans
- 10.1.6 Master Schedule (S-Curve/PERT CPM)
- 10.1.7 Proposed schedule of payment
- 10.1.8 Structural Computations, including Soil Boring Test Results and Seismic Analysis.
- 10.1.9 General Notes and technical Specifications describing type and quality of materials and equipment to be used, manner of construction and the general conditions under which the project is to be constructed.
- 10.1.10 Detailed Bill of Qualities, Cost Estimates including a summary sheet indicating the unit prices of construction materials, labor rates and equipment rentals.
- 10.1.11 Summary Works

## 10.2 Permits

Contractor shall secure the following permits before construction at its own expense;

- 10.2.1 Certificate of Final Electrical Inspection (Quezon City)
- 10.2.2 Certificate of Electrical Inspection
- 10.2.3 Fire Safety Evaluation Certificate
- 10.2.4 Fire Safety Inspection Certificate
- 10.2.5 Meralco's approval



- 10.2.6 Building Permit
- 10.2.7 Electrical Permit
- 10.2.8 Mechanical Permit
- 10.2.9 Sanitary Permit

## **11.0 CONSTRUCTION WORK PHASE:**

As a rule, contract implementation guidelines for procurement of infrastructure projects shall comply with Annex "E" and guidelines for the implementation of contracts for DESIGN AND BUILD infrastructure projects shall comply with Annex "G" of IRR, RA 9184. The following provisions shall supplement these procedures:

- 11.1 The contractor shall commence work upon issuance of Building Permit for the project by the Building Official. The works execution shall be in accordance with reviewed and approved documents.
- 11.2 The Design Build Contractor shall be responsible for obtaining all necessary information as to risks, contingencies and other circumstances which may affect the works and shall prepare and submit all necessary documents specified in the contract documents.
- 11.3 The contractor shall submit a detailed program of works, S-Curve, PERT-CPM or Master Schedule within (14) calendar days after the issuance of the Notice to Proceed for approval by the procuring entity that shall include, but will not be limited to:
  - 11.3.1 The order in which it intends to carry out the work including anticipated timing for each stage of detailed planning and construction;
  - 11.3.2 Periods for review of specific outputs and any other submissions and approvals;
  - 11.3.3 Sequence of timing for inspection and tests;
  - 11.3.4 General description of the design and construction methods to be adopted;
  - 11.3.5 Number and names of personnel to be assigned for each stage of the work;
  - 11.3.6 List of equipment required on site for each stage of the work; and
  - 11.3.7 Description of the quality control system to be utilized for the project.
- 11.4 The Design Build Contractor, Project Manager, and PCMC shall schedule a Kick Off Meeting before Construction Day 1 to set construction prerequisites, deliverables, clear and approved Master Schedule of the project signed by all parties.
- 11.5 Any error, omission, inconsistencies, inadequacies or failure submitted by the contractor that do not comply with the requirements shall be rectified, resubmitted and reviewed at the contractor's cost. If the contractor wishes to modify design or documents which has been previously submitted, reviewed and approved, the contractor shall notify PCMC within a reasonable period of time and shall shoulder the cost of such changes.



- 11.6 As a rule, changes in design and construction requirements shall be limited only to those that have not been anticipated in the contract documents prior to contract signing and approval. The following guidelines shall govern approval for change orders:
- 11.6.1 Change orders resulting from design errors, omissions or non-conformance with the performance specifications and parameters and the contract documents by the contractor shall be implemented by the contractor at no additional cost to PCMC.
  - 11.6.2 Provided that the contractor suffers delay and/or incurs costs due to changes in the PCMC performance specifications and parameters, the contractor shall be entitled to either one of the following:
    - 11.6.2a An extension of time for any such delays under Section 10 of Annex " E" of IRR (RA 9184); or
    - 11.6.2b Payment for such costs as specified in the contract documents, provided, that the cumulative amount of the variation order does not exceed ten percent (10%) of the original project cost.
  - 11.6.3 The contract documents shall include the manner and schedule of payment specifying the estimated contract amount and installments in which contract will be paid.
  - 11.6.4 The contractor shall be entitled to advance payment subject to the provisions of Section 4 of Annex "E" of IRR (RA 9184).
  - 11.6.5 The contractor shall provide all necessary equipment, personnel, instruments, documents and others to carry out specified tests.
  - 11.6.6 This Design and Build project shall have a Defects Liability Period of one (1) year from project completion up to final acceptance. This is without prejudice to the liabilities imposed upon engineer/architect who drew up the plans and specifications for the Plant as sanctioned under Section 1723 of the New Civil Code of the Philippines.
  - 11.6.7 The contractor shall be held liable for design and structural defects and/or failure of the completed project within the warranty period of 15 years for permanent structures/buildings as specified in Section 62.2.3.2. of the IRR (RA 9184).
  - 11.6.8 The contractor shall apply for the new account for MERALCO in behalf of the Hospital. PCMC shall only provide all the necessary documents such as the authorization, deposit if any, signatory as required and other essential documents (for approval of Director) needed by the contractor on the application. The contractor shall arrange, process, facilitate, assist, coordinate and follow-up this subject to MERALCO and shall update the owner of the status of the application of new account.

## **12.0 REQUIREMENT FOR CABLING LAYOUT**

- 12.1 Medium Voltage and Low Voltage Cable layout shall conform to the local regulatory standards (Quezon City Electrical Department), secure of electrical permit is a must
- 12.2 Design plans shall be checked and reviewed by Meralco prior to implementation.
- 12.3 Site planning and requirements for medium voltage cabling lay out shall be inspected and reviewed by Meralco (e.g. duct bank)
- 12.4 Low Voltage Cabling lay out is preferably on underground cable pit with pipe conduits (PVC) otherwise compliance to existing Philippine Electrical Code

## **13.0 CONTRACTOR'S SCOPE OF WORKS FOR CABLING LAYOUT**

### **13.1 Inclusion:**

- 13.1.1 Testing and termination of XLPE cable from first private pole to medium voltage switchgear inside the power house.
- 13.1.2 Supply and termination XLPE cable from medium voltage switchgear to recloser

### **13.2. Exclusion:**

- 13.2.1 Supply of primary XLPE cable and cabling layout installed in duct bank
- 13.2.2 Construction of pedestal and duct bank with manhole
- 13.2.3 Supply and termination XLPE cable from transformer to recloser
- 13.2.4 Supply and termination from transformer (secondary) to Automatic Transfer Switch

## **14.0 REQUIRED TESTING & CERTIFICATION**

The following certification shall be complied by the design and build contractor whenever applicable:

- 14.1 **Short Circuit Design and Voltage Drop Analysis** signed and sealed by a professional electrical engineer
- 14.2 Earth Ground Resistant Test Result to be submitted by the contractor after the equipment installation.

## **15.0 WARRANTY:**

- 15.1 Guidance on the rules on the implementation of the warranty security requirement under Section 62.2.3.3 of the revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184 The warranty period against structural defects under Section 62.2.32 of the same IRR.



15.2 The warranty period for Infrastructure Projects **Permanent Structure is fifteen (15) years** from final acceptance. The warranty security period pertains to the duration of the affectivity of the warranty security required under 62.2.3.3 of the IRR, which is one (1) year from the date of issuance of the certificate of final acceptance by the procuring entity.

15.3 Contractor shall check, test and maintain all the equipment of Powerhouse for five (5) years starting from the date of project completion. All defective parts and service consumable parts needed for replacement during the defects liability period shall be provided by the Contractor without charge to PCMC.

15.4 Labor services mentioned below shall be included during the five (5) years period

15.4.1 Repair

15.4.2 Preventive Maintenance-semi-annual service visit or as per manufacturer's recommendation

15.4.3 Calibration Report if any

## **16.0 IMPLEMENTATION ARRANGEMENT:**

### **16.1 Coordination and Accountability**

16.1.1 The design and build contractor shall coordinate to the electrical designer for the position of concrete pad of the powerhouse and the location of the duct bank.

16.1.2 The design and build contractor shall be solely responsible for the integration and compliance of the structure stability, transformer and generator.

16.1.3 The design and build contractor shall coordinate to the supplier of transformer and generator.

16.1.4 The design and build contractor shall supervise the termination works of cable to be performed by other contractors.

16.1.5 The design and build contractor shall ensure specification compliance and system compatibility of the transformer and generator supplied by other contractor.

### **16.2 Reporting Protocol**

16.2.1 Pre-Detailed Design Report, and Detailed Plans (whether preliminary or final), design and build contractor shall furnish a copy to PCMC Engineering Section. Final detailed plan will be submitted to PCMC in 6 sets of copy for approval.

16.2.2 Technical queries will be submitted to PCMC for action.

## **17.0 ELIGIBILITY REQUIREMENTS:**

### **17.1 Basic**

17.1.1 The eligibility requirements for Design and Build Scheme shall comply with all provisions of Section 23-24 of IRR of RA 9184.

17.1.2 A modified set of requirements integrating eligibility documents and criteria for infrastructure projects and consulting services shall be adopted in accordance with Annex G – Guidelines for the Procurement and implementation of

Contracts for Design and Build Infrastructure Projects Annex "G" of IRR of RA 9184.

17.1.3 The contractor must have Certificate of Completion/Good Performance based on the Contractor's Performance Evaluation System of CPES.

17.1.3a Copy of end-user's acceptance or official receipt(s) or certificate of completion issued for the contract. If a government contract, copy of the Contractor's Performance Evaluation Summary (CPES) Final Rating which must be at least satisfactory.

17.1.3b Required PCAB License for the general and sub-contractor.

## 17.2 Specialized

17.2.1 For the Pre-Detailed Design and Detailed Design phase of the contract, if the Bidder is into partnership or joint venture, there should be a Memorandum of Agreement (MOA) with an Architectural Firm and Engineering Firm which both will assign professionals for the project as shown below:

17.2.1a Project Coordinator (1)

- i. Licensed Engineer
- ii. At least 10 years of experience in project coordination
- iii. Superb oral and written communication skills, organization skills and excellent administrative abilities.

17.2.1b Design Architect (1)

- i. Licensed Architect
- ii. At least 10 years of experience in related project
- iii. Proficient in AutoCAD software

17.2.1c Structural/Civil Engineer (1)

- i. Licensed Structural/Civil Engineer
- ii. At least 10 years of experience in structural design in related project

iii. Proficient in AutoCAD software

17.2.1d Professional Electrical Engineer (1)

- i. Licensed Professional Electrical Engineer
- ii. At least 2 completed project in design of medium or high voltage substation
- iii. At least 10 years of experience
- iv. Proficient in AutoCAD software

17.2.1e Professional Mechanical Engineer (1)

- i. Licensed Professional Mechanical Engineer
- ii. At least 5 years of experience in related projects
- iii. Proficient in AutoCAD software



17.2.1f Sanitary Engineer/Master Plumber (1)

- i. Licensed Sanitary Engineer
- ii. At least 5 years of experience in related projects
- iii. Proficient in AutoCAD software

17.2.2 For the construction phase, the bidder must assign to the project professionals as shown:

17.2.2a Project Manager (1)

- i. Licensed Professional Electrical Engineer
- ii. At least 10 years of experience in related project
- iii. At least has completed 2 projects of medium or High Voltage Substation

17.2.2b Project Engineer (1)

- i. Registered Electrical Engineer
- ii. At least 3 years of experience in related project
- iii. At least 3 years of experience

17.2.2c Materials Engineer (1)

- i. Licensed Engineer/Architect
- ii. At least 5 years of experience in construction management
- iii. DPWH Accredited

17.2.2d Construction Safety Officer (1)

- i. Licensed Engineer/Architect
- ii. At least 5 years of experience in construction management
- iii. DQLE accredited/trained and must have undergone Construction Safety and Health Training

17.2.2e Master Plumber / Sanitary Engineer

- i. Licensed Sanitary Engineer
- ii. At least 5 years of experience in construction management

17.2.2f Electrical Engineer (1)

- i. Licensed Electrical Engineer
- ii. At least 5 years of experience in construction management

17.2.2g Mechanical Engineer (1)

- i. Licensed Mechanical Engineer
- ii. At least 5 years of experience in construction management

**18.0 APPROVED BUDGET COST:**

The total approved budget cost for the Project is Forty-Two Million Pesos (Php 42,000,000.00). Proposals exceeding the ABC shall automatically be rejected.

**19.0 PROPOSED TERMS OF PAYMENTS:**

The Contractor shall be entitled to advance payment subject to the provisions of Section 4 of Annex "E" of RA 9184.

Once a month, the contractor may submit a statement of work accomplishment (SWA) or progress billing and corresponding request for progress payment for work accomplished. The SWA shall show the amounts which the contractor consider itself to be entitled to up to the end of the month, to cover (a) the cumulative value of the works it executed to date, based on the items in the Bill of Quantities, and (b) adjustments made for approved variation orders executed.

**20.0 TIME FRAME:**

The Design and Build Contractor is required to complete the Project within Twelve (12) Months, to start upon the Contractor's receipt and signing of Notice to Proceed.

Item	Activity	Duration (Month)											
		1	2	3	4	5	6	7	8	9	10	11	12
1	<b>Detailed Architectural and Engineering Design Phase</b>												
	1. Detailed Design for Powerhouse-Housing;												
	1.1. Architectural Plan												
	1.2. Structural Plan												
	1.3. Sanitary / Plumbing Plan												
	1.4. Electrical Plan												
	1.5. Mechanical Plan												
2. Technical Specifications													
3. All Detailed Plan and Technical Specifications shall be submitted to PCMC for approval													
4. Detailed Estimate and Bill of Quantities													
5. Master Schedule- Materials and Labor Cost with S-Curved.													
6. PERT-CPM													
7. Approval by PCMC													
2	<b>Pre-Construction Phase</b>												
	1. Permitting												
	2. All necessary government licenses and permits												
3	<b>Construction Phase</b>												



<b>4</b>	<b>Post Construction Phase</b>												
	1.	Punchlisting/Rectification											
	2.	Commissioning and Testing											
	3.	Submission of As-Built Plan											
	4.	Submission of necessary permits.											
	5.	Fire Safety Inspection Certification											

**GOVERNING APPLICABLE LAWS**

All works shall comply with the following applicable laws;

21.1 PD 1096 –National Building Code of the Philippines and its Implementing Rules and Regulations.

21.2 PD 1185 – Fire Code of the Philippines and its Implementing Rules and Regulations.

21.3 PD 856 – Code of Sanitation of the Philippines and its Implementing Rules and Regulations.

21.4 RA 1378 – National Plumbing Code of the Philippines and its Implementing Rules and Regulations.

21.5 RA 184 – Electrical Code of the Philippines and its Implementing Rules and Regulations.

21.6 RA 9275 – Philippine Clean Water Act of 2004 and its Implementing Rules and Regulations.

21.7 RA 8749 – Philippine Clean Air Act of 1999 and its Implementing Rules and Regulations.

21.8 RA 6969 – Toxic Substances and Hazardous and Nuclear Waste Control Act of 1990 and its Implementing Rules and Regulations.

21.9 PD 1586 – Environmental Impact Statement (EIS) of 1978 and its Implementing Rules and Regulations.

**22.0 OBLIGATION OF THE CONTRACTOR:**

22.1 To comply with the requirement as set forth in the PCMC bidding documents as provided for on RA 9184 and its IRR and other applicable rules and regulations related to the project.

22.2 To conduct site inspection before participating the bidding to consider all conditions that may directly or indirectly affect the implementation of the project, including verification of measurements and site dimensions of the project.

22.3 To provide guarantee the highest quality of workmanship. All works must comply with the standard, approved plans, scope of works and technical specifications provided for by PCMC. Non-acceptable works must be corrected without cost to PCMC.



22.4 Provide the following on his own accounts/expense;

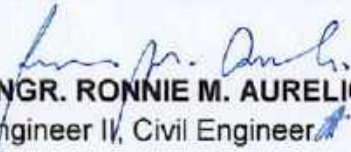
- 22.4.1 All necessary permits and other documents required ahead of time before commencement of work.
  - 22.4.2 Suitable Staging, temporary office at specified location inside the PCMC grounds for his workmen.
  - 22.4.3 Suitable and approved fences/barricades around the project working area to safeguard his workmen and the public against accidents.
  - 22.4.4 Proper PPE, uniform and first aid kits for his workmen while inside PCMC premises.
  - 22.4.5 Record and logbook for daily attendance of its workmen and activities.
- 22.5 To provide licensed engineer that will constantly coordinate with PCMC authorized representative to decide on normal and critical condition during the construction phase. There should be a weekly meeting (or more often when necessary) for both parties to discuss the progress and other matters related to the project.
- 22.6 To seek approval, at all times, from PCMC Representative regarding tapping of electrical works.
- 22.7 To submit complete sets of as-built plan, requirement for the release of final payment.
- 22.8 To submit detailed shop drawings, detailed estimate and adjusted work schedule in any additional works, change order/variation order. Shop drawing shall be signed and sealed. Implementation shall be subject to verification and recommendation of Engineering Section and shall be approved by PCMC.
- 22.9 To comply with PCMC's standard operating procedures, policies and regulations, such as but not limited to:
- 22.9.1 All deliveries of materials must pass through PCMC Property and Supply Section-Receiving area, duly supported by a delivery receipt/sales invoice. PCMC Engineering shall check conformity of specifications before acceptance.
  - 22.9.2 All tools and equipment to be brought in must pass through PCMC security office for issuance of entry pass. Pull out of tools and equipment must be with corresponding gate pass issued by the Property and Supply Section.
  - 22.9.3 Tools and materials must be delivered 100% to finish the project as per plans and specifications. All excess scrap materials will become the property of PCMC.
  - 22.9.4 Safekeeping and safeguarding of tools, equipment and materials shall be the accountability of the Contractor.

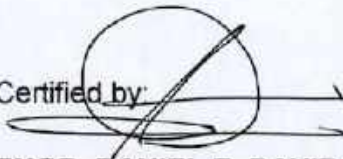
- 22.9.5 Avoid any act/s that will cause disruption of hospital operation. The contractor shall be held liable for all damages incurred during construction. Restoration of damages shall at their own expense.
- 22.9.6 Entry and exit of workmen are subject for inspection by PCMC guard.
- 22.9.7 Secure work permit at engineering section before commencement of work.
- 22.9.8 Policies and regulations reflected on approved work permit shall be complied at all time.

Prepared and Checked by:

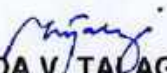
  
**ENGR. ROMMEL P. PARUNGO**  
 Engineer III, Electronics Engineer

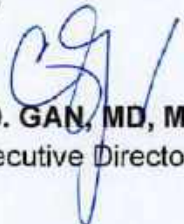
  
**ENGR. NEIL G. BARIBE**  
 Engineer II, Electrical Engineer

  
**ENGR. RONNIE M. AURELIO**  
 Engineer II, Civil Engineer

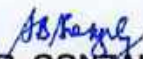
Certified by:  
  
**ENGR. DANIEL E. DAVID**  
 Chief, Eng'g & Motorpool Section

Recommending approval:

  
**ZENAIDA V. TALAGTAG, MGM-ESP**  
 CAO- GSD

  
**CECILIA O. GAN, MD, MNSA**  
 Deputy Executive Director - HSS

APPROVED BY:

  
**SONIA B. GONZALEZ, MD, MScHSM, MPM**  
 Executive Director

- 22.9.5 Avoid any act/s that will cause disruption of hospital operation. The contractor shall be held liable for all damages incurred during construction. Restoration of damages shall at their own expense.
- 22.9.6 Entry and exit of workmen are subject for inspection by PCMC guard.
- 22.9.7 Secure work permit at engineering section before commencement of work.
- 22.9.8 Policies and regulations reflected on approved work permit shall be complied at all time.

**CONFORME:**

\_\_\_\_\_  
Authorized Signatory  
Signature over printed name

\_\_\_\_\_  
Contact No:

\_\_\_\_\_  
Name of Company/Firm

\_\_\_\_\_  
Company's Official Email Address  
(where notices will be sent)

\_\_\_\_\_  
Company's Official Contact No.



**Republic of the Philippines**  
**PHILIPPINE CHILDREN'S MEDICAL CENTER**  
**Bids and Awards Committee**  
Quezon Avenue, Quezon City 1100  
924-6601 to 25 Website: [www.pcmc.gov.ph](http://www.pcmc.gov.ph) email: [hiss@pcmc.gov.ph](mailto:hiss@pcmc.gov.ph)

## **SECTION VII**

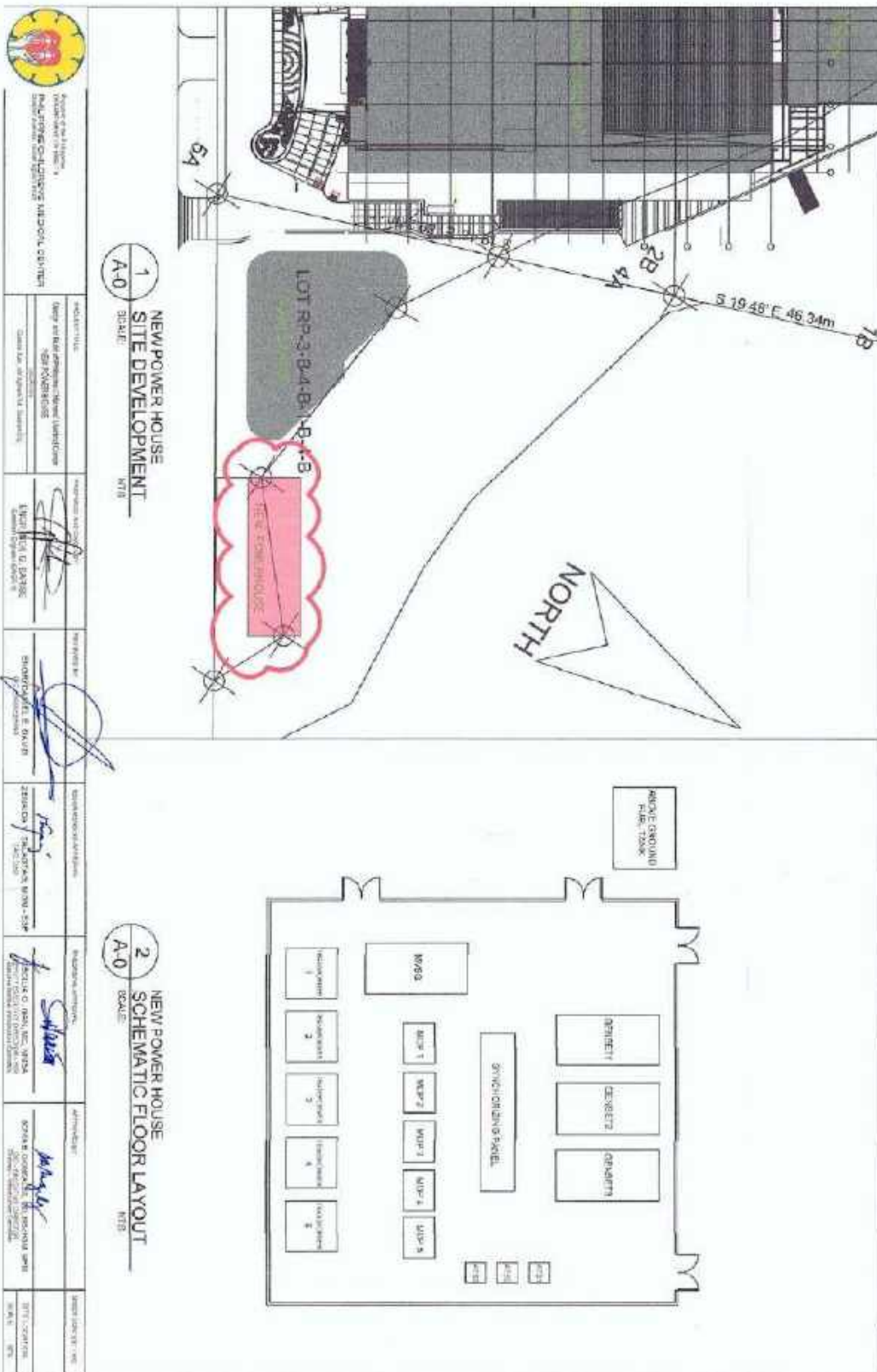
# ***Drawings***

## **One (1) Lot** **Design and Build of New Power House**

---

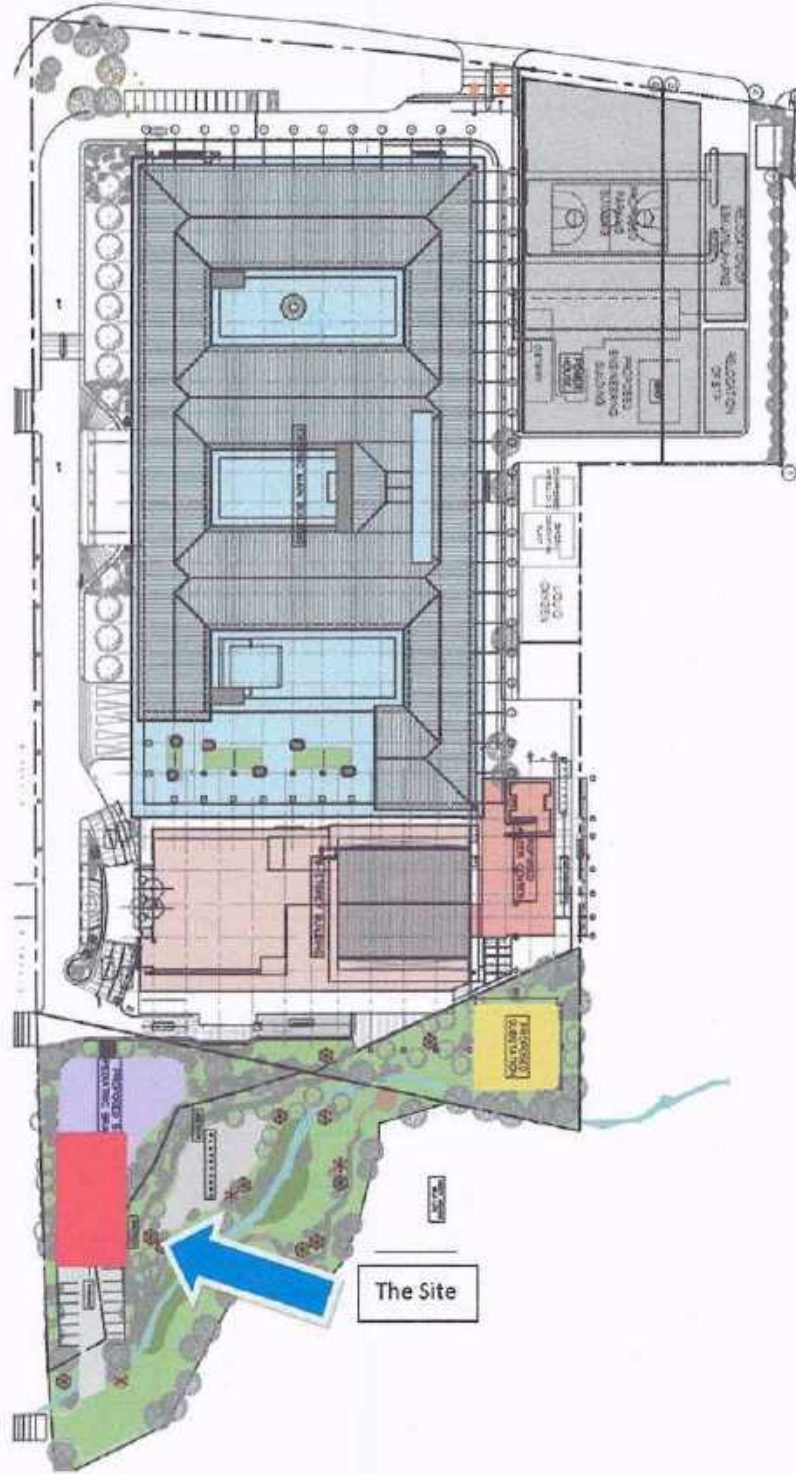
**IB-2022-161**





	Approved by the Health Officer <b>PROVINCIAL HEALTH OFFICE, MARIKINA CITY</b>	Prepared by: <b>ENRICH E. D. BARRIS</b> Licensed Professional Engineer	Checked by: <b>SHARON L. E. BARRIS</b> Licensed Professional Engineer	Reviewed by: <b>ZENICA Y. SANCHEZ</b> Licensed Professional Engineer	Approved by: <b>Dr. J. O. JARA, M.D., M.P.H.</b> Health Officer, Provincial Health Office, Marikina City	Checked by: <b>MAURICE O. JARA, M.D., M.P.H.</b> Health Officer, Provincial Health Office, Marikina City	Date: <b>2024-08-15</b>
	Design and Construction License No. <b>1587-NCE-0000000000</b> Civil Law No. <b>1587-NCE-0000000000</b>	Date of Issue: <b>2024-08-15</b>	Date of Issue: <b>2024-08-15</b>	Date of Issue: <b>2024-08-15</b>	Date of Issue: <b>2024-08-15</b>	Date of Issue: <b>2024-08-15</b>	Date of Issue: <b>2024-08-15</b>

V. PRELIMINARY SURVEY AND MAPPING





**Republic of the Philippines**  
**PHILIPPINE CHILDREN'S MEDICAL CENTER**  
**Bids and Awards Committee**

Quezon Avenue, Quezon City 1100  
588-9900 loc 361 Website: [www.pcmc.gov.ph](http://www.pcmc.gov.ph) email: [bac@pcmc.gov.ph](mailto:bac@pcmc.gov.ph)

## **SECTION VIII**

# ***Bill of Quantities***

**One (1) Lot**

**Design and Build of New Power House**

---

**IB-2022-161**



**COST ESTIMATE FORM**

**Project** : One (1) Lot Design and Build of PCMC's New Power House  
**Location** : Philippine Children's Medical Center, Agham Road corner Quezon Avenue Quezon City  
**Owner** : Philippine Children's Medical Center  
**Bidder** : \_\_\_\_\_  
**Date** : \_\_\_\_\_

Item No.	Description	Qty	Unit	Materials		Labor		Total Direct Cost	Mark-Up		VAT	Total Indirect Cost	Total Cost	Unit Cost
				Unit Cost	Total Amount	Unit Cost	Total Amount		OCM	Profit				
<b>A</b>	<b>DESIGN PHASE</b>													
<b>I</b>	<b>GENERAL REQUIREMENT</b>													
	1. Mobilization and Demobilization	1.00	lot											
	2. Detailed Architectural and Engineering Design	1.00	lot											
	3. Permits	1.00	lot											
	Meralco's Approval													
	Certificate of Final Electrical Inspection													
	Fire Safety Evaluation Certificate (Fuel Tanker & Electrical)													
	Building Permit													
	Electrical Permit													
	Mechanical Permit													
	4. DOLE, Health and Safety requirement	1.00	lot											
	5. Temporary Facility for workers and material storage	1.00	lot											
	6. Clearing of Pathway	1.00	lot											
<b>B</b>	<b>CONSTRUCTION PHASE</b>													
<b>I</b>	<b>CIVIL WORKS</b>													
	1.0 EARTHWORKS													
	1.1. Site Development /Soil Protector	1.00	lot											
	1.1.1 Backfilling / Borrow Filling													
	1.1.2 Landscaping ISF Vacated Area													
	1.2. Excavation	1.00	lot											
	1.2.1 Foundation													
	2.0 STRUCTURAL WORKS	1.00	lot											
	2.1.1 Power House Structure													
	2.1.2 Gabions/Riprap or Box Culvert													
<b>II</b>	<b>ELECTRICAL WORKS</b>													
	1.0 All XLPE cables,wires and control wires,	1.00	lot											
	2.0 First Private Pole With accessories,SF6,bms	1.00	unit											
	3.0 Medium Voltage Switchgear, RMU type, SF6, bms (5 Branches)	1.00	lot											
	4.0 Transformer reclosers & all accessories	5.00	set											
	5.0 Automatic Transfer Switch, 3.200A ,3pole, busbar type,at least 12 branches, 3pole ,bms	1.00	unit											
	6.0 1000 KVA Transformer	1.00	lot											
<b>III</b>	<b>MECHANICAL WORKS</b>													
	1.0 Ventilation in/out airflow system, PIVsensors, BMS controlled	1.00	lot											
<b>IV</b>	<b>FIRE PROTECTION</b>													
	1.0 Dry suppression-automatic fire extinguishers	1.00	lot											
<b>V</b>	<b>SANITARY/PLUMBING WORKS</b>													
	1.0 Storm Drainage System	1.00	lot											
	2.0 Water supply system	1.00	lot											
<b>VI</b>	<b>TESTING &amp; COMMISSIONING</b>	1.00	lot											
	<b>GRAND TOTAL</b>													

Signature over printed name \_\_\_\_\_  
 Authorized Representative  
 Position : \_\_\_\_\_  
 Name of Bidder : \_\_\_\_\_

**DETAILED ESTIMATE FORM**

**Project** : One (1) Lot Design and Build of PCMC's New Power House  
**Location** : Philippine Children's Medical Center, Agham Road corner Quezon Avenue Quezon City  
**Owner** : Philippine Children's Medical Center  
**Bidder** : \_\_\_\_\_  
**Date** : \_\_\_\_\_

<b>WORK DESCRIPTION</b>					
<b>NO</b>	<b>SUB-WORK DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>		
<b>A</b>	<b>MATERIALS</b>				
<b>Item No.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>Total Amount</b>
<b>B</b>	<b>LABOR</b>				
<b>Item No.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>Total Amount</b>
<b>C</b>	<b>TOOLS &amp; EQUIPMENT</b>				
<b>Item No.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>Total Amount</b>
<b>I. TOTAL DIRECT COST</b>		<b>A + B + C =</b>			
<b>II. TOTAL INDIRECT COST</b>		<b>OCM</b>		____%	
		<b>PROFIT</b>		____%	
		<b>VAT</b>		____%	
		<b>TOTAL COST (I. TOTAL DIRECT + TOTAL INDIRECT COST) =</b>			
		<b>UNIT COST (TOTAL COST ÷ QTY Sub-Work) =</b>			
<b>GRAND TOTAL</b>					

Signature over printed name  
 Authorized Representative  
 Position : \_\_\_\_\_  
 Name of Bidder : \_\_\_\_\_



Republic of the Philippines  
DEPARTMENT OF HEALTH  
PHILIPPINE CHILDREN'S MEDICAL CENTER  
Bids and Awards Committee  
Quezon Avenue, Quezon City 1100  
website: [www.pcmc.gov.ph](http://www.pcmc.gov.ph) email: [bac@pcmc.gov.ph](mailto:bac@pcmc.gov.ph)  
Trunkline: 588-9900 local 361/355 Telefax No.: 924-0870

## SECTION IX

# *Checklist of Technical and Financial Documents*

## **One (1) Lot** **Design and Build of New Power House**

---

**IB-2022-161**

# Checklist of Technical and Financial Documents

The Bidder shall submit the following **TECHNICAL COMPONENT ENVELOPE (ARRANGED, NUMBERED AND TABBED)** *[Strictly NO using of staple wire and thick materials for tabs]* as enumerated below:

*Use of indelible ink color blue shall be used by the authorized signatory in signing the required forms.*

## I. TECHNICAL COMPONENT ENVELOPE

### *Class “A” Documents*

#### Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR

Note: For the purpose of updating the Certificate of Registration and Membership, all Class “A” eligibility documents mentioned in this section supporting the veracity, authenticity and validity of the Certificate shall remain current and updated. The failure by the prospective bidder to update its Certificate with the current and updated Class “A” eligibility documents shall result in the automatic suspension of the validity of its Certificate until such time that all of the expired Class “A” eligibility documents has been updated (per GPPB Resolution No. 15-2021).

#### Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid. *(Use of Form No. DOBA-PCMC-SCF3b is required)*  

**and**
- (c) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid (**Refer to Bid Data Sheet ITB Clause 5.2**), except under conditions provided under the rules *(use of Form No. DOBA-PCMC-SCF3a is required)*
- (d) Special PCAB License in case of Joint Ventures;  
**and** registration for the type and cost of the contract to be bid (**Refer to Bid Data Sheet ITB Clause 10.3**); **and**
- (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission (**Refer to Bid Data Sheet ITB Clause 15.1**);  

**or**

Original copy of Notarized Bid Securing Declaration; **and**
- (f) Project Requirements, which shall include the following:
  - a. Organizational Chart for the contract to be bid *(Use of the Form No. DOBA-PCMC-SQF24 as the guide)*

- 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;

Supporting documents shall be the following:

- i. Statement of the Qualifications of the Key Personnel Proposed to be assigned to the contract (*use of the Form No. DOBA-PCMC-SQF17 is required*)
- ii. Contractor's letter - Certificate to the Procuring Entity (*use of the Form No. DOBA-PCMC-CCF23 is required*)
- iii. Key Personnel's Certificate of Employment *use of the Form No. (DOBA-PCMC-KCF18 is required)*
- iv. Bio-Data of each of the key personnel (*use of the Form No. DOBA-PCMC-BPF16 is required*)

- c. 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 (*use of Form No. DOBA-PCMC-LEF20 is required*); **and**

- (g) Original duly signed Omnibus Sworn Statement (OSS). **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.
- (h) Relevant statements of all ongoing completed, awarded but not yet started the design / design and build related contracts, and curriculum vitae of key staff, partners, or Principal officers; and
- (i) Valid licenses issued by the Professional Regulatory Commission (PRC) for design Professionals
- (j) Preliminary Conceptual Design Plans in accordance with the degree of details specified by the procuring entity;
- (k) Design and construction methods;
- (l) Value engineering analysis of design and construction method

#### Financial Documents

- (m) The prospective bidder's computation of the Net Financial Contracting Capacity (NFCC) (*Use of Form No. DOBA-PCMC-NFF4 is required*);

#### **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;  
**or**  
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

### **I. FINANCIAL COMPONENT ENVELOPE**

- (o) Original of duly signed and accomplished Financial Bid Form; **and**

Other documentary requirements under RA No. 9184

- (p) Original of duly signed Bid Prices in the Bill of Quantities; **and**
- (q) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid;

**Note: Bidder shall include the PCMC the issued USB Flash Drive in the Financial Component Envelope (Original Folder) containing the following:**

1. **Soft copy of their accomplished Bill of Quantities and Detailed Price Schedule (in excel format).** Any discrepancies between the submitted hard copy and soft copy of the Bill of Quantities and Detailed Estimates, the hard copy will prevail.
2. **SCANNED copy (in PDF Format) of ALL** the required documents under Section VIII. Checklist of Technical and Financial Documents

**and**

- (r) Cash Flow by Quarter and payments schedule (*use of Form No. DOBA-PCMC-CFF27 as the guide*)

**CONFORME:**

\_\_\_\_\_  
Authorized Signatory  
Signature over printed name

\_\_\_\_\_  
Contact No:

\_\_\_\_\_  
Name of Company/Firm  
Contact No.

\_\_\_\_\_  
Company's Official Email Address  
(where notices will be sent)

\_\_\_\_\_  
Company's Official