

# **PHILIPPINE BIDDING DOCUMENTS**

(As Harmonized with Development Partners)

## **PROCUREMENT AND IMPLEMENTATION OF K-12 PROGRAM (MITHI-ICT INFRASTRUCTURE) REBID**

Government of the Republic of the Philippines



Philippine Science High School-  
Zamboanga Peninsula Region Campus

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# *Glossary of Acronyms, Terms, and Abbreviations*

**ABC** – Approved Budget for the Contract.

**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.

**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])

**CDA** - Cooperative Development Authority.

**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.

**CIF** – Cost Insurance and Freight.

**CIP** – Carriage and Insurance Paid.

**CPI** – Consumer Price Index.

**DDP** – Refers to the quoted price of the Goods, which means “delivered duty paid.”

**DTI** – Department of Trade and Industry.

**EXW** – Ex works.

**FCA** – “Free Carrier” shipping point.

**FOB** – “Free on Board” shipping point.

**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]).

**Framework Agreement** – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

**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.

**GPPB** – Government Procurement Policy Board.

**INCOTERMS** – International Commercial Terms.

**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.

**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.

**Supplier** – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

**UN** – United Nations.

***Section I. Invitation to Bid***



## **INVITATION TO BID FOR THE PROCUREMENT AND IMPLEMENTATION OF K-12 PROGRAM (MITHI-ICT INFRASTRUCTURE) – REBID**

1. The **Philippine Science High School-Zamboanga Peninsula Region Campus** through the FY 2022 General Appropriations Act (GAA) intends to apply the sum of **FOUR MILLION SIX HUNDRED TWENTY-FIVE THOUSAND SIX HUNDRED PESOS (₱4,625,600.00)** being the ABC to payments under the **Procurement and Implementation of K-12 Program (MITHI- INFRASTRUCTURE) REBID** contract for one (1) lot. Bids received in excess of the ABC shall be automatically rejected at bid opening.
  2. The **Philippine Science High School-Zamboanga Peninsula Region Campus (PSHS-ZRC)** now invites bids for the above Procurement Project. Delivery and Installation of the Goods is required within **One Hundred Eighty Days (180) Calendar Days**. Bidders should have completed, within **two (2) years** from the date of submission and receipt of bids, 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) No. 9184.  
  
Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.
  4. Prospective Bidders may obtain further information from **Philippine Science High School-Zamboanga Peninsula Region Campus** and inspect the Bidding Documents at the address given below during weekdays from 8:00 a.m. to 4:30 p.m.
  5. A complete set of Bidding Documents may be acquired by interested Bidders from **April 21, 2022 to May 16, 2022** from the given address and websites below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Five Thousand Pesos (P 5,000.00)**. The Procuring Entity shall allow the bidder to present its proof of payment for the fees to the BAC Secretary at the address given below.
  6. BAC of PSHS-ZRC will hold a **Pre-Bid Conference<sup>1</sup> on April 29, 2022, 2:00 p.m.** at the SSD Chief Office, Academic Building II, PSHS-ZRC, Cogon, Dipolog City. Pursuant to the health and safety protocols issued by the Inter-Agency Task Force (IATF) for the Management of Emerging Diseases, the scheduled meeting may be accessed through video conference which shall be open to prospective bidders.
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7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below **on or before 2:00 p.m. of May 16, 2022**. 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 14.
9. Bid opening shall be on **May 16, 2022 at 2:01 in the afternoon** at the given address below. The scheduled meeting may be accessed through video conference. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. PSHS-ZRC (BAC) 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:

Ms. Sherl Dianne S. Estoque  
BAC Secretariat Office  
PSHS-ZRC, Cogon, Dipolog City  
E-mail address: [ssestoque@zrc.pshs.edu.ph](mailto:ssestoque@zrc.pshs.edu.ph)  
Mobile No.: 09500979799  
Website: <http://zrc.pshs.edu.ph/>

12. You may visit the following websites:

For downloading of Bidding Documents:

PSHS-ZRC Website- <http://zrc.pshs.edu.ph/category/bid/>

PhilGEPS Website- <https://philgeps.gov.ph/>

*April 21, 2022*

  
**HAZEL R. LAGAPA**

Chairperson, Bids and Awards Committee (Goods)



## ***Section II. Instructions to Bidders***

## 1. Scope of Bid

The Procuring Entity, wishes to receive Bids for the ***Procurement and Implementation of K-12 Program (MITHI-ICT INFRASTRUCTURE) REBID*** with identification number ***2022-04-0117***.

The Procurement Project (referred to herein as “Project”) is composed of one (1) lot, the details of which are described in Section VII (Technical Specifications).

## 2. Funding Information

2.1. The GOP through the source of funding as indicated below for *FY 2022* in the amount of **FOUR MILLION SIX HUNDRED TWENTY-FIVE THOUSAND SIX HUNDRED PESOS (₱4,625,600.00)**

2.2. The source of funding is:

- a. NGA, the General Appropriations Act or Special Appropriations.

## 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 Manuals 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 **IB** 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 verified and accepted the general requirements of this Project, including 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, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, 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.

- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:
- a. For procurement where the Procuring Entity has determined, after the conduct of market research, that imposition of either (a) or (b) will likely result to failure of bidding or monopoly that will defeat the purpose of public bidding: the Bidder should comply with the below requirement:
    - i. The largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

## **6. Origin of 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, subject to Domestic Preference requirements under **ITB** Clause 18.

## **7. Subcontracts**

- 7.1. The Procuring Entity has prescribed that:
- a. Subcontracting is not allowed.

## **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 and/or through videoconferencing/webcasting 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 VIII (Checklist of Technical and Financial Documents)**.
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within *two (2) years* prior to the deadline for the submission and receipt of bids.

- 10.3. 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. Similar to the required authentication above, 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.

## 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 VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.

## 12. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
  - a. For Goods offered from within the Procuring Entity's country:
    - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
    - ii. The cost of all customs duties and sales and other taxes already paid or payable;
    - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
    - iv. The price of other (incidental) services, if any, listed in e.
  - b. For Goods offered from abroad:
    - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.

- ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications)**.

### **13. Bid and Payment Currencies**

- 13.1. For Goods that the Bidder will supply from outside the Philippines, the 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.
- 13.2. Payment of the contract price shall be made in Philippine Pesos.

### **14. Bid Security**

- 14.1. The Bidder shall submit a Bid Securing Declaration<sup>2</sup> 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**.
- 14.2. The Bid and bid security shall be valid until *120 days from the date of Opening of Bids*. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

### **15. Sealing and Marking of Bids**

Each Bidder shall submit one original copy of the first and second components of its Bid and another *two (2)* copies of the said bids.

### **16. Deadline for Submission of Bids**

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

### **17. Opening and Preliminary Examination of Bids**

- 17.1. 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.

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<sup>2</sup> In the case of Framework Agreement, the undertaking shall refer to entering into contract with the Procuring Entity and furnishing of the performance security or the performance securing declaration within ten (10) calendar days from receipt of Notice to Execute Framework Agreement.

- 17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

## **18. Domestic Preference**

- 18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

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

- 19.1. The Procuring 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 the 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as one Project having several items grouped into several lots, which shall be awarded as separate contracts per lot.
- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

## **20. Post-Qualification**

- 20.2. 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**

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

## ***Section III. Bid Data Sheet***



# Bid Data Sheet

ITB Clause	
5.3	<p>For this purpose, contracts similar to the Project shall include but not limited to the following:</p> <ul style="list-style-type: none"> <li>(a) Design and install fiber optic cables</li> <li>(b) Design and install CCTV cameras</li> <li>(c) Design and install PBX Systems</li> <li>(d) Design and renovate the existing Server Rooms/IDF</li> <li>(e) Relocated Intermediate Distribution Frame (IDF)</li> <li>(f) Install Network Attached Storage and</li> <li>(g) Install copper structured cabling and wireless connectivity in existing buildings of PSHS-ZRC.</li> </ul> <p>B. Completed <b>within two (2) years</b> prior to the deadline for the submission and receipt of bids.</p>
7.1	<i>Not applicable.</i>
12	The price of the Goods shall be quoted DDP at <i>PSHS-ZRC, Cogon, Dipolog City</i> or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ul style="list-style-type: none"> <li>a. The amount of not less than <b>Ninety-Two Thousand Five Hundred Twelve Pesos (P 92,512.00)</b>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or</li> <li>b. The amount of not less than <b>Two Hundred Thirty-One Thousand Two Hundred Eighty Pesos (P 231,280.00)</b>, if bid security is in Surety Bond.</li> </ul>
21.2	Test to be conducted by the Inspection Committee with the end-users.

## ***Section IV. General Conditions of Contract***

## 1. Scope of Contract

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

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

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

## 2. Advance Payment and Terms of Payment

- 2.1. Advance payment of the contract amount is provided under Annex “D” of the revised 2016 IRR of RA No. 9184.
- 2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

## 3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to 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 of RA No. 9184.

## 4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

## **5. Warranty**

61. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
62. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

## **6. Liability of the Supplier**

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

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

## *Section V. Special Conditions of Contract*

# Special Conditions of Contract

GCC Clause	
1	<p><b>Delivery and Documents –</b></p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p>The delivery terms applicable to the Contract are DDP delivered within the Philippines. In accordance with INCOTERMS.”</p> <p>The delivery terms applicable to this Contract are delivered <i>within the Philippines</i>. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <hr/> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is</p> <p><b><i>Danny A. Sulit</i></b> Info. <i>System Analyst</i></p> <p><b>Incidental Services –</b></p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:</p> <ol style="list-style-type: none"> <li>a. performance or supervision of on-site assembly and/or start-up of the supplied Goods;</li> <li>b. furnishing of tools required for assembly and/or maintenance of the supplied Goods;</li> <li>c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;</li> </ol>

	<p>d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and</p> <p>e. training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.</p> <p>The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.</p> <p><b>Spare Parts –</b> The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:</p> <p>a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and</p> <p>b. in the event of termination of production of the spare parts:</p> <p>i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and</p> <p>ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.</p> <p>The spare parts and other components required are listed in <b>Section VI (Schedule of Requirements)</b> and the cost thereof are included in the contract price.</p> <p>The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period indicated in the Terms of Reference/Technical Specifications for the Project Implementation of K-12 Program (MITHI-ICT INFRASTRUCTURE) Rebid</p> <p>Spare parts or components shall be supplied as promptly as possible of placing the order.</p>
	<p><b>Packaging –</b> The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.</p>

	<p>The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.</p> <p>The outer packaging must be clearly marked on at least four (4) sides as follows:</p> <p>Name of the Procuring Entity  Name of the Supplier  Contract Description  Final Destination  Gross weight  Any special lifting instructions  Any special handling instructions  Any relevant HAZCHEM classifications</p>
	<p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p><b>Transportation –</b>  Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier,  and related costs shall be included in the contract price.</p>
	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p>



	<b>Intellectual Property Rights –</b> The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.
2.2	<i>Not applicable.</i>
4	The inspections and tests that will be conducted are: Refer to the Technical Specifications of the project for the detailed requirements.

## *Section VI. Schedule of Requirements*

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

Item	Description	Quantity	Total	Delivered, Weeks/ Months
1	<b>PROCUREMENT AND IMPLEMENTATION OF K-12 PROGRAM (MITHI-ICT INFRASTRUCTURE) – REBID</b>	<b>1 lot</b>	<b>1 lot</b>	<b>25.714 weeks after NTP</b>
	<b>I. FIBER OPTIC CABLING SYSTEM FOR COMPUTER LABORATORIES</b>			
	<b>A. Supply, Delivery, Installation of the following Materials:</b>			
	1. FOC 4-core Single mode – at least 400 meters			
	2. FDU 4-core – 1 pc			
	3. Pigtail for FDU – 8 pcs			
	4. Patch cord - 10 pcs			
	5. FOC Closure - 1 pc			
	6. SFP Transceiver Module - 10 pcs			
	7. Digital Clock – 6 units			
	8. PVC Pipe PNS 2"			
	9. PVC long elbow 2"			
	10. PVCC Clamp 2"			
	11. AR5 Clip – pack			
	12. Kim wipes			
	13. U bolt			
	<b>II. STRUCTURED CABLING</b>			
	<b>A. Supply, Delivery, Installation of the following Materials:</b>			
	1. Unshielded Twisted Pair (UTP) CAT-6 cables – at least 6100 meters			
	2. CAT - 6 RJ45 connectors			
	3. Rubber boots for CAT- 6 connectors			
	4. Information Outlet (Data CAT- 6 – 13 pcs and Voice – 9 pcs)			
	5. Face Plates - 22 pcs			
	6. 24-port Patch panel - 21 units			
	7. Patch cords - 240 pcs			
	8. Cable manager 2RU – 10 units			
	9. Cable Manager 1RU – 4 units			
	10. PVC pipes			
	11. Plastic moldings			
	12. Cable tray (mesh type)			
	<b>B. Labor</b>			
	<b>III. INSTALLATION OF ACCESS POINTS</b>			
	1. Indoor Access Point - 40 units			
	<ul style="list-style-type: none"> <li>• Indoor Access Point for Campus Wide Wi-Fi</li> <li>• High-efficiency 4x4 WiFi 6 (802.11ax)</li> <li>• 5GHz band (4x4 MU-MIMO and OFDMA) with 2.4 Gbps throughput rate</li> <li>• 2.4GHz band (4x4 MIMO) with 600 Mbps throughput rate</li> <li>• Powered by 802.3at PoE</li> </ul>			

	<ul style="list-style-type: none"> <li>IP54-rated water and dust protection for indoor/outdoor mounting versatility</li> </ul>			
	2. Outdoor Access Point - 4 units			
	<ul style="list-style-type: none"> <li>Outdoor Access Point for Campus Wide Wi-Fi</li> <li>802.11 a/b/g/n/ac Wi-Fi Standards</li> <li>1 x 10/100/1000 Ethernet Port</li> <li>Range of up to 600'</li> <li>2X2 MIMO</li> <li>IP66-Rated Weatherproof</li> </ul>			
	<b>IV. INSTALLATION OF NETWORK ATTACHED STORAGE</b>			
	1.Installation and configuration of NAS(Network Attached Storage) to ACAD Building II			
	2.Supply, delivery, and Installation of Enterprise Solid State Drive 4TB compatible with the Network Attached Storage Equipment – 5 pcs			
	3. Enterprise Back up Battery/UPS (up to 6 hours back up time) – 1 unit			
	<b>V. INSTALLATION OF IPPBX</b>			
	<b>A. Supply, Delivery, Installation of the following Materials:</b>			
	1. IPPBX Server (Digital IP-PBX Server 30 Ports or Higher) – 1 unit			
	2. Enterprise Back up Battery/UPS (up to 6 hours back up time) – 1 unit			
	3. Digital Terminal Phone - 9 units			
	<b>B. Labor</b>			
	<b>VI. RENOVATION OF SERVER ROOMS/IDF</b>			
	1. Finishing and paint works			
	2. Supply, Delivery, Installation of the following:			
	<ul style="list-style-type: none"> <li>Fire extinguishers specific to electronic components – 10 units</li> </ul>			
	<ul style="list-style-type: none"> <li>Split Type Air Conditioner (2.5 HP) – 6 units</li> </ul>			
	<ul style="list-style-type: none"> <li>Electrical Circuits/Wiring/System – 6 units</li> </ul>			
	<ul style="list-style-type: none"> <li>Emergency Lights – 10 units</li> </ul>			
	<b>VII. SUPPLY AND INSTALLATION OF CLOSED CIRCUIT TELEVISION (CCTV)</b>			
	<b>A. Supply, Delivery, Installation/Setup and Configuration of the following:</b>			
	1. Analog Indoor Camera (PTZ) – 5 units			
	2. Analog Indoor Bullet Camera (Fixed) – 9 units			
	3. Analog Indoor Dome Camera (Fixed) – 19 units			
	4. IP-Based Outdoor Camera (360) – 4 units			
	5. IP-Based Indoor Bullet Camera (Fixed) – 7 units			
	6. IP-Based Outdoor Camera (PTZ) – 4 units			
	7.IP-Based Indoor Dome Camera (Fixed) – 25 units			
	8. IP-Based Outdoor Bullet Camera (Fixed) – 14 units			
	9. Smart TV 55" (Compatible for networking) – 6 units			
	10. PoE Switch – 6 units			
	11. CCTV Core Switch – 1 unit			
	12. Network Video Recorder (NVR) – 1 unit			
	13. Enterprise Back up Battery/UPS (up to 6 hours back up time) – 7 unit			
	<b>VIII. RELOCATION OF INTERMEDIATE DISTRIBUTION FRAME</b>			
	1. Unshielded Twisted Pair (UTP) CAT-6 cables			
	2.CAT -6 RJ45 connector			
	3. Rubber boots for CAT-6 connectors			

4. Information Outlet (CAT-6)			
5. Face Plates			
6. Patch cords			
7. PVC pipes			
8. Plastic moldings			
9. Patch panel			
10. Cable manager			
11. Other materials needed to relocate the fiber optic cables, copper cables, coax cables, network equipment and other components installed			
<b>IX. INSTALLATION AND ENGINEERING WORKS</b>			
1. Testing & Commissioning			
2. Restoration of building damage due to construction, if any			
3. Other Procedures necessary to complete the project			
4. Labor			

## ***Section VII. Technical Specifications***

# Technical Specifications

Item	Specification	Statement of Compliance
		<p><i>State here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered.</i></p>
	<p><b>PROCUREMENT AND IMPLEMENTATION OF K-12 PROGRAM (MITHI-ICT INFRASTRUCTURE) – REBID for PSHS-ZRC inter-building communication system</b></p>	
	<p>(a) Design and install fiber Optic Cables in Computer Laboratories and Guard House,            (b) Design and install CCTV cameras            (c) Design and install IPPBX System,            (d) Design and renovate the existing Server Rooms/IDF,            (e) Relocation of Intermediate Distribution Frame (IDF)/data cables,            (f) Install and Configure Network Attached Storage, and            (g) Install Copper Structured Cabling and Wireless Connectivity in existing buildings of PSHS-ZRC.</p>	
	<p>The Server Room renovation shall:</p> <ol style="list-style-type: none"> <li>1. <i>Align the PSHS-ZRC server room with global standards and best practices and should specifically address the following:</i> <ol style="list-style-type: none"> <li>a. <b>Structural Considerations</b> <ol style="list-style-type: none"> <li>i. PSHS-ZRC IDF's equipment layout/arrangement should provide for adequate clearance around computing racks (about 3-4 inches).</li> <li>ii. Door frame size should be sufficient to allow for easy introduction and removal of equipment</li> </ol> </li> <li>b. <b>Power</b> <ol style="list-style-type: none"> <li>i. Should have sufficient dedicated circuits for all equipment (at least 10), plus one or more additional circuits, as needed for flexibility in the event a circuit fails.</li> <li>ii. All systems must be properly grounded.</li> <li>iii. General power shutdown feature should be installed</li> <li>iv. There should be an emergency lighting system to provide for life safety in the event of a power outage</li> </ol> </li> </ol> </li> </ol>	

	<p>v. The new server room should also have provisions for at least four duplex power outlet for future expansion.</p> <p>c. <b>Temperature Control</b></p> <p>i. The server room should have dedicated air conditioning sufficient to maintain temperatures between 15 and 21 degrees</p> <p>2. <i>Meet PSHS-ZRC's communication facilities requirements</i></p> <p>The engagement shall also meet the required technical training/briefing for the operations, troubleshooting, and maintenance of structured cabling on the safety rules and management of Server Room within 180 calendar days from receipt of the Notice to Proceed, under the duration of Project implementation.</p>	
	<p><b>I. QUALIFICATION REQUIREMENTS</b></p> <p>a.) The Bidder should have at least two (2) years experience in System Integration or in similar project. Must attach proof of experience.</p> <p>b.) Should have personnel who have valid licenses or certifications relevant for the implementation of the project, issued by authorized licensing or training agency/authority:</p> <ul style="list-style-type: none"> <li>• A registered electrical engineer or;</li> <li>• Registered electronics/electronics and communication engineer;</li> <li>• A fiber optic licensed technician</li> </ul> <p>Shall sign on the "As Built" cabling plan. Must attached certification.</p> <p>c.) Should have own equipment and tools to be used in the project.</p> <p>Other documentary requirements to be submitted by bidder:</p> <p>1. List of professional or trained employees to implement the project and their licenses or certifications relevant for the implementation of the project, issued by authorized licensing or training agency/authority, i.e., licensed for registered electrical engineer or registered electronics/electronics and communication engineer, and a fiber optic licensed technician.</p> <p>2. Brochures or Technical Data Sheet or equivalent document for the following items/equipment showing compliance with the required Technical Specifications:</p> <ul style="list-style-type: none"> <li>• LAN Switches with PoE</li> <li>• Fiber Cable</li> <li>• UTP Cable (CAT 6) 3</li> </ul>	

- HD IP Cameras (Indoor & Outdoor)
  - HD Analog Cameras
  - Network Video Recorder
  - IPPBX Server and IP Phones/Digital Terminal Phones
  - Access Points (Indoor & Outdoor)
  - Enterprise Solid State Drive (must be compatible with the Network Attached Storage equipment of PSHS-ZRC)
3. Proposed cabling plan and design for fiber cabling of Computer Laboratories and Guard House, Wi-Fi System, CCTV System, and IPPBX System, and implementation schedule for the Project covering the whole period.
  4. Prospective Bidders are required to conduct site inspection and secure a certification from PSHS-ZRC. This is to ensure the reliability, security and efficiency of the required services that the contractor shall perform.
  5. Timeframe should be specified for each activity to be done and shall include Gantt Chart Summary.
  6. Documentation (for both components)
    - Final Cabling Plan as built for Fiber Optic Cabling for Computer Laboratories
    - Final Cabling Plan as built plan for Wi-Fi System
    - Final Plan as built for Network/Structured Cabling and Electrical Layout of Server Rooms/IDF
    - Final Plan as built for CCTV System
    - Final Topology and Design as built for IPPBX System.

Documents mentioned in “1” to “5” are to be submitted as part of the Technical Documents requirement.  
Documents mentioned in “6” shall be submitted upon completion of the project.

The Contractor shall complete the delivery and installation of work within One Hundred Eighty (180) calendar days from the date of receipt of Notice to Proceed.

The completion schedule provided shall be considered extended under the following:

1. Delays caused by force majeure events;
2. In all cases, the period or number of days of extension shall be agreed upon with the PSHS-ZRC in writing;
3. Claims for time extension of the contract period due to force majeure shall be subject to approval by the PSHS-ZRC. Force majeure includes events such as Earthquake, Flood, Typhoon, Cyclone, Revolution, War and other cataclysmic



	<p>phenomena of nature and misfortune which are beyond human prudence and foresight.</p> <p>4. The Contractor shall guarantee that the entire structured cabling and networks are free from all defective workmanship and materials, and will remain so for the period of:</p> <ul style="list-style-type: none"> <li>• 20 Years of Product Warranty from the Cabling Manufacturer of the Product Offered (for fiber optics) and 3 years for CAT 6 cable.</li> <li>• Minimum One (1) year warranty on workmanship.</li> <li>• 2 Years Warranty on the entire hardware products.</li> <li>• The Contractor shall provide warranty service within the warranty period. Provision of upgrades and patches to be installed free of charge during the warranty period. The contractor shall be responsible for all the cost related to the warranty period for hardware products.</li> </ul>	
	<p><b>II. DUTIES AND RESPONSIBILITIES OF THE CONTRACTOR</b></p> <p><b>A. Scope of Work and Activities</b></p> <ul style="list-style-type: none"> <li>• The contractor shall furnish all labor, materials, tools and equipment, and perform all operations necessary to complete the supply, delivery, installation, testing and commissioning of Fiber Optic Cabling, Structured Cabling (integrated voice and data) and Network Switches, Renovation of PSHS-ZRC Server Rooms/IDF, CCTV Cameras, IPPBX System, Wi-Fi System, and relocation of Intermediate Data Frame/data cables.</li> <li>• The contractor must provide demonstration and training for IT Personnel for the Network Equipment (switches and access points), CCTV operation, basic trouble shooting for the Structured Cabling, IPPBX operation, and Network Attached Storage operation.</li> <li>• The Contractor shall provide warranty service within the warranty period. Provision of upgrades and patches to be</li> </ul>	

installed free of charge during the warranty period.

- Bidder shall be responsible for all the cost related to the warranty period for hardware products.

**A.1 Detailed Scope of Work: Structured Cabling, Fiber Optic Cabling, Wi-Fi System, CCTV System, IPPBX System, and Network Attached Storage.**

1. Supply of materials, labor, delivery, installation, and configuration of Structured Cabling, Fiber Optic Cabling, Wi-Fi System, CCTV System, IPPBX System, and Network Attached Storage.

**Structured Cabling/Cable Management System**

- Shall install cable tray from ceiling to network racks to Academic Building – II 3<sup>rd</sup> Floor, Control Room.
- There should be a separate cable tray system for data cable and CCTV cables.
- Cable tray should be mesh type.
- Should install data outlets (data and voice) as follows:

Location	Office	Data Outlet (Data)	Data Outlet (Voice)
Guard Entrance	Guard House	2	1
Academic Building – II	Campus Director's Office	2	1
Academic Building – II	Clinic	1	1
Academic Building – II	SSD Chief's Office	1	1
Academic Building – II	Registrar's Office	1	1
Dorm – I	Secretary CID Office	1	1
Dorm – I	Supply Officer's Office	1	1
		3	

Dorm – I	Information Systems Analyst Office	1	1
Dorm – II	Accounting Office	3	1
<b>TOTAL</b>		<b>13</b>	<b>9</b>

**Fiber Optic Cabling**

- Shall design and Install Fiber Optic Cables to Academic Building – I (Computer Laboratory 1 & 2).
- Installation of Fiber Optic Cables should be from Server Room to Computer Laboratory 1 & 2 data cabinets.
- Proper label after installation.

**Wi-Fi System**

- The contractor shall design and configure Wi-Fi system that can filter web contents and limit user access.
- Installation of Access Points should be in the ceiling.
- Access points must be PoE (Power over Ethernet) type and capable of handling 250-500 users.
- Proper label after installation.

Location	Access Point (Indoor)	Access Point (Outdoor)
Guard House/Entrance	1	
Academic Building – I	9	
Academic Building – II	9	
Dorm – I	9	
Dorm – II	9	
Activity Center	3	
Perimeter		4
<b>TOTAL</b>	<b>40</b>	<b>4</b>

**CCTV System**

- The contractor shall design a centralized CCTV System for the Campus.
- HD Analog Camera should be installed in Academic Building – I where the provision of coaxial cables is.

- Coordinate with the IT Personnel of PSHS-ZRC for labelling and placing of the cameras.
- Smart TV/Monitors should be installed at Academic Building – II 3<sup>rd</sup> Floor, Control Room and Guard House.

**IPPBX System**

- Shall design and install IPPBX System to PSHS-ZRC.
- The IP Phones should be installed to offices as follows:

Location	Office	IP Phone
Guard Entrance	Guard House	1
Academic Building – II	Campus Director's Office	1
Academic Building – II	Clinic	1
Academic Building – II	SSD Chief's Office	1
Academic Building – II	Registrar's Office	1
Dorm – I	Secretary CID Office	1
Dorm – I	Supply Officer's Office	1
Dorm – I	Information Systems Analyst Office	1
Dorm – II	Accounting Office	1
TOTAL		9

- Should have own address to every office.
- Proper label after installation.

**Network Attached Storage**

- Installation and configuration of Network Attached Storage to the Academic Building – II where the Network Sever is.
- Configuration should include:
  - Creation of Users and Groups with access levels
  - Creation of storage folders accessible to all users
  - Creation of storage folders accessible only to specific users/groups/departments

- Automatic backup/failover if one solid state drive malfunctions
- Automatic backup and cloud backup

2. Supplied equipment must be compatible with the PSHS-ZRC installed network equipment.
3. Conduct of site survey and provisions of appropriate site specifications for the supplied equipment.
4. Submission of the Bill of Materials for the project including software and hardware and its related network architecture.
5. Provision of the in-house wiring, including the Telco lines, from the cable entrance to the network rack where the routers and network switches are located.
6. Supply delivery and pulling of Category 6 UTP cable and Fiber optic cable
7. Supply, delivery and installation of metal support for Cable Gutter, PVC conduits and other consumables
8. Submission of Project Management Plan
9. Provision of Technical documentation
10. Continuity Testing
11. End to end Tagging and Labelling
12. Coordinate with the Resident Engineers in PSHS-ZRC for the Engineering works.

**A.2 Renovation of Server Rooms/IDF: Scope of Work and Technical Specifications**

1. Provision of Floor Plans, Electrical Plan and Working Drawings

The proponent shall submit a blue print of General Perspective that includes other working drawings such as Floor Plan, Equipment Arrangement, Electrical Computation design for review and evaluation if the existing electrical system will suffice.

2. Supply, delivery, installation, set-up and commissioning of the following equipment and materials:
  - Cable Tray (to be installed at Academic Building – II 3<sup>rd</sup> Flr, Control Room)
  - Required Cables and other materials/accessories
  - Switches
  - IPPBX Server (to be installed at Academic Building – II 3<sup>rd</sup> Flr, Control Room)
  - Electrical Circuit Components which include but not limited to the following:
    - Circuit Breakers
    - Power Outlets
    - PVC Conduits

	<ul style="list-style-type: none"> <li>○ Power Outlets for Server/Computers, Air Conditioner, Emergency Lights and;</li> <li>○ Other electrical components needed for the renovation</li> <li>● Split Type Air Conditioning Unit</li> <li>● UPS (Uninterruptable Power Supply) Unit <ul style="list-style-type: none"> <li>▪ Should provide maximum protection and power quality for mission-critical loads.</li> <li>▪ Should be suitable for a wide range of applications including IT and the most demanding industrial environments.</li> <li>▪ Should have a battery care system that consists of a series of functions designed to optimize battery management and achieve the best performance and operating life possible.</li> <li>▪ Should be of maximum reliability and availability.</li> </ul> </li> </ul> <p>3. Carpentry/Masonry works</p> <ul style="list-style-type: none"> <li>● Finishing and paint works</li> </ul> <p>4. Cable Management</p> <ul style="list-style-type: none"> <li>● The contractor shall be responsible for the transfer of the existing Fiber and Copper cables (data, voice, and coax) including all devices such as network switches and CCTV DVR to the new Server Room of Academic Building – I &amp; II, Dorm – I &amp; II, Activity Center, and Guard House.</li> </ul> <p><b>B. Pre-installation</b></p> <p>a.) Submit Work Plan within five (5) working days upon receipt of Notice to Proceed</p> <p><b>C. Installation</b></p> <p>a.) Supply, deliver and install the required components as specified in the Work Plan duly approved by PSHS-ZRC and with the following Technical Specifications of this TOS.</p> <p>b.) Coordinate with the Information Systems Analyst (ISA) / MIS Coordinator of the PSHS-ZRC regarding the scheduling of delivery and installation dates of all materials and ICT equipment to be used.</p> <p>c.) Implement all works indicated in the approved plans and designs. All revisions and deviations from the approved plans and designs, especially</p>	
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- if it must impact the overall cost for the project, must be subject to the approval of PSHS-ZRC.
- d.) Properly groom, tag and terminate cables from end to end connection.
  - e.) The contractor/supplier must prepare and submit the following:
    - Equipment and Materials Delivery Schedule
    - Weekly Implementation Schedule
    - Weekly Progress Report
    - Final Acceptance Documentary Requirements

**D. Post-Installation**

- Restore damages to property caused by excavation, installation, maintenance and/or removal of cabling equipment and other procedures conducted by the contractor to accomplish the project.
- Conduct free training for IT personnel of PSHS-ZRC on the basic maintenance and operational requirements of structured cabling and the equipment.
- Provide at least one (1) copy of the technical manual/documentation (English) in printed hard copy and electronic (soft copy) formats. The documents include Cabling and equipment installation, operation, configuration and testing.
- Render support services to PSHS-ZRC within the warranty period as follow:
  - (a) Technical support will be provided through phone calls or email within regular working hours from Monday to Friday, 8:00AM to 5:00PM
  - (b) If the supplied equipment is found defective and need to be pulled-out, the contractor shall provide replacement with the same or higher specifications.
  - (c) Rectify and or/replace any part that fail to pass any test/inspection or make alteration necessary to meet the specification.
  - (d) Responsible and accountable for any damage caused solely by the Contractor or its agent to the PSHS-ZRC Building as a direct result of the installation maintenance, and removal of any cabling components and devices.

	<p><b>III. DUTIES AND RESPONSIBILITIES OF PSHS-ZRC</b></p> <ul style="list-style-type: none"> <li>a) Assist prospective bidders during the conduct of site Survey.</li> <li>b) Review and approve the work plan submitted by Contractor within five (5) working days.</li> <li>c) Grant the contractor and its authorized representatives access to its premises and facilities located therein to perform the works. It shall assign personnel to accompany the contractor and/or its representatives, if needed.</li> <li>d) Recommend to the contractor any action for a unit or part thereof that fails to pass any test and/or inspection or do not conform to specifications.</li> <li>e) Issue a Certification of Inspection and Acceptance upon determination by the PSHS -ZRC Inspectorate Team that the delivered and installed equipment and components are usable and in good working condition.</li> <li>f) Pay the Contractor after completion including the training and documentation and acceptance of the project.</li> </ul>	
	<p><b>PROCUREMENT AND IMPLEMENTATION OF K-12 PROGRAM (MITHI-ICT INFRASTRUCTURE) – REBID</b></p>	
	<p><b>FIBER OPTIC CABLING SYSTEM FOR COMPUTER LABORATORIES</b></p>	
	<p><b>A. Supply, Delivery, Installation of the following Materials:</b></p>	
	<p>1. FOC 4-core Single mode – at least 400 meters</p>	
	<p>2. FDU 4-core – 1 pc</p>	
	<p>3. Pigtail for FDU – 8 pcs</p>	
	<p>4. Patch cord - 10 pcs</p>	
	<p>5. FOC Closure - 1 pc</p>	
	<p>6. SFP Transceiver Module - 10 pcs</p>	
	<p>7. Digital Clock – 6 units</p>	
	<p>8. PVC Pipe PNS 2"</p>	
	<p>9. PVC long elbow 2"</p>	
	<p>10. PVCC Clamp 2"</p>	
	<p>11. AR5 Clip – pack</p>	
	<p>12. Kim wipes</p>	
	<p>13. U bolt</p>	
	<p><b>STRUCTURED CABLING</b></p>	
	<p><b>A. Supply, Delivery, Installation of the following Materials:</b></p>	
	<p>1. Unshielded Twisted Pair (UTP) CAT-6 cables – at least 6100 meters</p>	
	<p>2. CAT - 6 RJ45 connectors</p>	
	<p>3. Rubber boots for CAT- 6 connectors</p>	
	<p>4. Information Outlet (Data CAT- 6 – 13 pcs and Voice – 9 pcs)</p>	
	<p>5. Face Plates - 22 pcs</p>	
	<p>6. 24-port Patch panel - 21 units</p>	



	7. Patch cords - 240 pcs	
	8. Cable manager 2RU – 10 units	
	9. Cable Manager 1RU – 4 units	
	10. PVC pipes	
	11. Plastic moldings	
	12. Cable tray (mesh type)	
	<b>B. Labor</b>	
	<b>INSTALLATION OF ACCESS POINTS</b>	
	1. Indoor Access Point - 40 units	
	<ul style="list-style-type: none"> <li>Indoor Access Point for Campus Wide Wi-Fi</li> <li>High-efficiency 4x4 WiFi 6 (802.11ax)</li> <li>5GHz band (4x4 MU-MIMO and OFDMA) with 2.4 Gbps throughput rate</li> <li>2.4GHz band (4x4 MIMO) with 600 Mbps throughput rate</li> <li>Powered by 802.3at PoE</li> <li>IP54-rated water and dust protection for indoor/outdoor mounting versatility</li> </ul>	
	2. Outdoor Access Point - 4 units	
	<ul style="list-style-type: none"> <li>Outdoor Access Point for Campus Wide Wi-Fi</li> <li>802.11 a/b/g/n/ac Wi-Fi Standards</li> <li>1 x 10/100/1000 Ethernet Port</li> <li>Range of up to 600'</li> <li>2X2 MIMO</li> <li>IP66-Rated Weatherproof</li> </ul>	
	<b>INSTALLATION OF NETWORK ATTACHED STORAGE</b>	
	1. Installation and configuration of NAS(Network Attached Storage) to ACAD Building II	
	2. Supply, delivery, and Installation of Enterprise Solid State Drive 4TB compatible with the Network Attached Storage Equipment – 5 pcs	
	3. Enterprise Back up Battery/UPS (up to 6 hours back up time) – 1 unit	
	<b>INSTALLATION OF IPPBX</b>	
	<b>A. Supply, Delivery, Installation of the following Materials:</b>	
	1. IPPBX Server (Digital IP-PBX Server 30 Ports or Higher) – 1 unit	
	2. Enterprise Back up Battery/UPS (up to 6 hours back up time) – 1 unit	
	3. Digital Terminal Phone - 9 units	
	<b>B. Labor</b>	
	<b>X. RENOVATION OF SERVER ROOMS/IDF</b>	
	1. Finishing and paint works	
	2. Supply, Delivery, Installation of the following:	
	<ul style="list-style-type: none"> <li>Fire extinguishers specific to electronic components – 10 units</li> <li>Split Type Air Conditioner (2.5 HP) – 6 units</li> <li>Electrical Circuits/Wiring/System – 6 units</li> <li>Emergency Lights – 10 units</li> </ul>	
	<b>SUPPLY AND INSTALLATION OF CLOSED CIRCUIT TELEVISION (CCTV)</b>	
	<b>A. Supply, Delivery, Installation/Setup and Configuration of the following:</b>	

	1. Analog Indoor Camera (PTZ) – 5 units	
	2. Analog Indoor Bullet Camera (Fixed) – 9 units	
	3. Analog Indoor Dome Camera (Fixed) – 19 units	
	4. IP-Based Outdoor Camera (360) – 4 units	
	5. IP-Based Indoor Bullet Camera (Fixed) – 7 units	
	6. IP-Based Outdoor Camera (PTZ) – 4 units	
	7. IP-Based Indoor Dome Camera (Fixed) – 25 units	
	8. IP-Based Outdoor Bullet Camera (Fixed) – 14 units	
	9. Smart TV 55” (Compatible for networking) – 6 units	
	10. PoE Switch – 6 units	
	11. CCTV Core Switch – 1 unit	
	12. Network Video Recorder (NVR) – 1 unit	
	13. Enterprise Back up Battery/UPS (up to 6 hours back up time) – 7 unit	
	<b>RELOCATION OF INTERMEDIATE DISTRIBUTION FRAME</b>	
	1. Unshielded Twisted Pair (UTP) CAT-6 cables	
	2. CAT -6 RJ45 connector	
	3. Rubber boots for CAT-6 connectors	
	4. Information Outlet (CAT-6)	
	5. Face Plates	
	6. Patch cords	
	7. PVC pipes	
	8. Plastic moldings	
	9. Patch panel	
	10. Cable manager	
	11. Other materials needed to relocate the fiber optic cables, copper cables, coax cables, network equipment and other components installed	
	<b>INSTALLATION AND ENGINEERING WORKS</b>	
	1. Testing & Commissioning	
	2. Restoration of building damage due to construction, if any	
	3. Other Procedures necessary to complete the project	
	4. Labor	

***Section VIII. Checklist of Technical and  
Financial Documents***

# Checklist of Technical and Financial Documents

## I. TECHNICAL COMPONENT ENVELOPE

### *Class “A” Documents*

#### Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);  
**or**
- (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**
- (d) 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; **and**
- (g) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; **and**
- (h) 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**
- (i) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- (j) Original duly signed Omnibus Sworn Statement (OSS);  
**and** if applicable, Original Notarized Secretary’s Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

#### Financial Documents

- (k) The Supplier’s audited financial statements, showing, among others, the Supplier’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**

- (l) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC);  
**or**  
A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

***Class "B" Documents***

- (m) If applicable, a duly signed joint venture agreement (JVA) 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.

**25 FINANCIAL COMPONENT ENVELOPE**

- (a) Original of duly signed and accomplished Financial Bid Form; **and**
- (b) Original of duly signed and accomplished Price Schedule(s).

