

# **PHILIPPINE BIDDING DOCUMENTS**

## **PROCUREMENT FOR THE UPGRADING OF NETWORK INFRASTRUCTURE**

**(ITB No. 2023-06)**

**Government of the Republic of the Philippines**

**Sixth Edition  
July 2020**

# Preface

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

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

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

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

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

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

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

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# ***Glossary of Terms, Abbreviations, and Acronyms***

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

**ARCC** – Allowable Range of Contract Cost.

**BAC** – Bids and Awards Committee.

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

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

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

**BIR** – Bureau of Internal Revenue.

**BSP** – Bangko Sentral ng Pilipinas.

**CDA** – Cooperative Development Authority.

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

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

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

**CPI** – Consumer Price Index.

**DOLE** – Department of Labor and Employment.

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

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

**GFI** – Government Financial Institution.

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

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

**GOP** – Government of the Philippines.

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

**LGUs** – Local Government Units.

**NFCC** – Net Financial Contracting Capacity.

**NGA** – National Government Agency.

**PCAB** – Philippine Contractors Accreditation Board.

**PhilGEPS** - Philippine Government Electronic Procurement System.

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

**PSA** – Philippine Statistics Authority.

**SEC** – Securities and Exchange Commission.

**SLCC** – Single Largest Completed Contract.

**UN** – United Nations.



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

### **Notes on the Invitation to Bid**

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

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

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

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



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**AGRICULTURAL CREDIT POLICY COUNCIL**  
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## INVITATION TO BID FOR PROCUREMENT FOR THE UPGRADING OF NETWORK INFRASTRUCTURE (ITB No. 2023-06)

1. The *Agricultural Credit Policy Council*, through the *Supplemental Budget FY 2023* intends to apply the sum of **Two Million Three Hundred Thousand Pesos (₱2,300,000.00)** being the Approved Budget for the Contract (ABC) to payments under the contract for *Procurement for the upgrading of Network Infrastructure*. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *Agricultural Credit Policy Council* now invites bids for the above Procurement Project. Completion of the Works is required shall be in accordance with the Delivery Schedule under Section VI. Bidders should have completed, within **three (3) 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 non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Interested bidders may obtain further information from *Agricultural Credit Policy Council – BAC Secretariat* and inspect the Bidding Documents at the address given below from **Monday to Friday, from 8:00 AM to 4:00 PM**
5. A complete set of Bidding Documents may be acquired by interested bidders on **October 05, 2023** from given address and website/s *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount stated above*. The Procuring Entity shall allow the bidder to present its proof of payment for the fees *in person, or through electronic means*.
6. The *Agricultural Credit Policy Council* will hold a Pre-Bid Conference **October 13, 2023 (Wednesday), 11:00 AM** through video conferencing or webcasting via **Zoom application** which shall be open to prospective bidders.

The prospective bidders are advised to send an email to BAC Secretariat for the zoom conference details.

7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below, on or before **October 25, 2023 (Wednesday), 10:00 AM**. Late bids shall not be accepted.
8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB Clause 16**.

9. Bid opening shall **October 25, 2023 (Wednesday), 1:30 PM** at the given address below and/or via *Zoom Videoconferencing*. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The **Agricultural Credit Policy Council** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
11. For further information, please refer to:

**Ms. Rachel A. Bustamante**

Head, Bids and Awards Committee Secretariat

Email address: [procurement@acpc.gov.ph](mailto:procurement@acpc.gov.ph)

Agricultural Credit Policy Council

28/F One San Miguel Avenue Building

San Miguel Ave., Ortigas Ctr., Pasig City

Tel. no.: 632 86343320 loc. 126

12. You may visit the following websites:

For downloading of Bidding Documents:

[www.acpc.gov.ph](http://www.acpc.gov.ph)

[www.ps-philgeps.gov.ph](http://www.ps-philgeps.gov.ph)

04 October 2023

*MSCasuga*

MSCasuga (Oct 5, 2023 13:35 GMT+8)

**DIR. MAGDALENA S. CASUGA**

*Chair, Bids and Awards Committee*

*Rachel Bustamante*

Rachel Bustamante (Oct 5, 2023 11:57 GMT+8)



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

### **Notes on the Instructions to Bidders**

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

## 1. Scope of Bid

The Procuring Entity, *Agricultural Credit Policy Council* invites Bids for the *Procurement for the upgrading of Network Infrastructure*, with Project Identification Number *ITB No. 2023-06*.

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 *FY 2023* in the amount of **Two Million Three Hundred Thousand Pesos (₱2,300,000.00)**.

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

## **11. Documents Comprising the Bid: Financial Component**

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

## **12. Alternative Bids**

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

## **13. Bid Prices**

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

#### **14. Bid and Payment Currencies**

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

14.2. Payment of the contract price shall be made in **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 ***One Hundred Twenty Calendar Days (120 days) from the date of the opening of bids***. 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 (1) original copy** and **one (1) password-encrypted electronic copy** of the first and second components of its Bid.

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

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

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

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

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



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

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

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

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

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

- 19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 15 shall be submitted for each contract (lot) separately.

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

## **20. Post Qualification**

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

## **21. Signing of the Contract**

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

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

### **Notes on the Bid Data Sheet (BDS)**

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

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

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

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

# Bid Data Sheet

ITB Clause										
5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: a. <b><i>Procurement for the upgrading of Network Infrastructure</i></b>  b. completed within <b><i>three (3) years</i></b> prior to the deadline for the submission and receipt of bids.									
7.1	<i>Subcontracting is not allowed.</i>									
10.3	Must have an updated valid Philippine Contractors Accreditation Board (PCAB) license for Communication Facilities issued by Department of Trade and Industry (DTI).									
10.4	The key personnel must meet the required minimum years of experience set below: <table><tr><td><u>Key Personnel</u></td><td><u>General Experience</u></td><td><u>Relevant Experience</u></td></tr><tr><td>1.</td><td colspan="2">Must have a project management team with at least three (3) qualified installers (with five (5) years' experience as cable installers).</td></tr><tr><td>2.</td><td colspan="2">Must have at least one (1) Certified Network Professional with five (5) years' experience and employed by the company.</td></tr></table>	<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>	1.	Must have a project management team with at least three (3) qualified installers (with five (5) years' experience as cable installers).		2.	Must have at least one (1) Certified Network Professional with five (5) years' experience and employed by the company.	
<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>								
1.	Must have a project management team with at least three (3) qualified installers (with five (5) years' experience as cable installers).									
2.	Must have at least one (1) Certified Network Professional with five (5) years' experience and employed by the company.									
10.5	The minimum major equipment requirements are the following: <table><tr><td><u>Equipment</u></td><td><u>Capacity</u></td><td><u>Number of Units</u></td></tr><tr><td>Test Equipment</td><td></td><td></td></tr></table>	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>	Test Equipment					
<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>								
Test Equipment										
12	No Further Instructions.									
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts: a. The amount of not less than <b><i>Forty-Two Thousand (42,000.00)</i></b> , if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;  b. The amount of not less <b><i>One Hundred Five Thousand (105,000.00)</i></b> if bid security is in Surety Bond.									
19.2	Partial Bid is not allowed. The infrastructure project is packaged in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.									
20	List licenses and permits relevant to the Project and the corresponding law requiring it, a. Building Permit <b><i>*Must be secured by the contractor if required by the Building Admin)</i></b>									

21	<p>[List here any additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity.]</p> <p><b>I. To be submitted with the bid:</b></p> <ol style="list-style-type: none"> <li>1. Prospective bidders must conduct site survey/inspection and submit a certification issued by the Information and System Management Division (ISMD) of ACPC.</li> <li>2. Shall submit original copy of design proposal, brochures and other publications that supports compliance to the requirements.</li> </ol> <p><b>II. To be submitted by the Winning Bidder:</b></p> <p>Shall provide as-built drawings and documentations upon project completion and acceptance to include labeling of cables, patch cords, patch panels, and land outlets. The labeling / naming conventions shall be submitted for approval before the final printout.</p>
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## ***Section IV. General Conditions of Contract***

### **Notes on the General Conditions of Contract**

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

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

Any complementary information, which may be needed, shall be introduced only through the Special Conditions of Contract.

## 1. Scope of Contract

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

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

## 2. Sectional Completion of Works

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

## 3. Possession of Site

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

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

## 4. The Contractor's Obligations

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

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

## **5. Performance Security**

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

## **6. Site Investigation Reports**

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

## **7. Warranty**

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

## **8. Liability of the Contractor**

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

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

## **9. Termination for Other Causes**

Contract termination shall be initiated in case it is determined *prima facie* by the Procuring Entity that the Contractor has engaged, before, or during the implementation of the contract, in unlawful deeds and behaviors relative to contract acquisition and implementation, such as, but not limited to corrupt, fraudulent, collusive, coercive, and obstructive practices as stated in **ITB** Clause 4.

## **10. Dayworks**

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

## **11. Program of Work**

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

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

## **12. Instructions, Inspections and Audits**

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

## **13. Advance Payment**

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

## **14. Progress Payments**

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

## **15. Operating and Maintenance Manuals**



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

## ***Section V. Special Conditions of Contract***

### **Notes on the Special Conditions of Contract**

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

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

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

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

# Special Conditions of Contract

GCC Clause	
2	<i>[If different dates are specified for completion of the Works by section, i.e. “sectional completion,” these dates should be listed here.]</i>
4.1	<i>[Specify the schedule of delivery of the possession of the site to the Contractor, whether full or in part.]</i>
6	The site investigation reports are: <i>[list here the required site investigation reports.]</i>
7.2	<p><i>[Select one, delete the other.]</i></p> <p><i>[In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures:]</i> Fifteen (15) years.</p> <p><i>[In case of semi-permanent structures, such as buildings of types 1, 2, and 3 as classified under the National Building Code of the Philippines, concrete/asphalt roads, concrete river control, drainage, irrigation lined canals, river landing, deep wells, rock causeway, pedestrian overpass, and other similar semi-permanent structures:]</i> Five (5) years.</p> <p><i>[In case of other structures, such as bailey and wooden bridges, shallow wells, spring developments, and other similar structures:]</i> Two (2) years.</p>
10	<p><i>[Select one, delete the other:]</i></p> <p>a. Dayworks are applicable at the rate shown in the Contractor’s original Bid.</p> <p>b. No dayworks are applicable to the contract.</p>
11.1	The Contractor shall submit the Program of Work to the Procuring Entity’s Representative within <i>[insert number]</i> days of delivery of the Notice of Award.
11.2	The amount to be withheld for late submission of an updated Program of Work is <i>[insert amount]</i> .
13	The amount of the advance payment is <i>[insert amount as percentage of the contract price that shall not exceed 15% of the total contract price and schedule of payment]</i> .
14	<i>[If allowed by the Procuring Entity, state:]</i> Materials and equipment delivered on the site but not completely put in place shall be included for payment.
15.1	The date by which operating and maintenance manuals are required is <i>[date]</i> .

	The date by which “as built” drawings are required is <i>[date]</i> .
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 <i>[amount in local currency]</i> .

## ***Section VI. Specifications***

### **Notes on Specifications**

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

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

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

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

#### **Sample Clause: Equivalency of Standards and Codes**

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

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

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

**TERMS OF REFERENCE**  
**for ACPC Infra Refresh**  
**ABC: Php 2,300,000.00**

**1. General Requirements**

- 1.1. The project is to establish a 26 nodes Structured Cabling System at Agricultural Credit Policy Council (ACPC) located at the 25<sup>th</sup> Floor (3 units), 28<sup>th</sup> Floor (whole floor) and 30<sup>th</sup> Floor (1 unit) in One San Miguel Avenue (OSMA) Building, San Miguel Avenue corner Shaw Boulevard, Ortigas Center, Pasig City.
- 1.2. The bidder must conduct an ocular site inspection for proper measurement and deployment of proposed equipment
- 1.3. The bidder must provide a Gantt Chart showing the schedule of deployment of various equipment and dependencies
- 1.4. All cabling must be permanently labelled at both ends in accordance with labelling scheme as per TIA/EIA-606-A.
- 1.5. All copper and fiber components must be from the same OEM. Material must have been manufactured in OEM's own manufacturing facilities, not outsourced. Selected bidder must submit ISO certificate for the manufacturing facilities related to all products involved in tender.
- 1.6. The bidder must include the following in their proposal:
  - Rough-ins, pipes and fittings
  - Labor, design, installation, engineering, project management, and training
- 1.7. The winning bidder will be given a maximum of 45 calendar days to finish the project.

**2. Technical Specifications**

**2.1. Horizontal Cabling**

2.1.1. No. of Nodes: 26

2.1.2. Cable Specifications

- 6 rolls (350m each)
- Complies to all Category 6
- ANSI/TIA 568.2-D Category 6
- ISO/IEC 11801 Class E
- 24 American Wire Gauge (AWG)
- 250 MHz operating frequency
- Must be US or European Made or origin

2.1.3. Patch Panel: 3 x 24-port drawer type

2.1.4. Cable Manager: 3 x cable manager 1RU

2.1.5. Patch Cord

- All Cat 6 patch cords must be machine fabricated
- 26 x 2-meter patch cord
- 6 x 3-meter patch cord

- 2.1.6. All Cat 6 UTP cables must have rubber boots
- 2.1.7. All RJ45 connectors must be shielded

## **2.2. Fiber Backbone**

- 2.2.1. Fiber optic cables must be OM4 multimode
- 2.2.2. At least 4-core fiber, polyethylene, loose tube, gel-filled, cut length
- 2.2.3. All-dielectric, meters jacket marking, black jacket color
- 2.2.4. IEC 60794-1-2-E1 compliant
- 2.2.5. 2 units of fiber optic panel 4LC Loaded
  - Fiber patch panel, loaded with 4LC/UPC MM duplex adapters
  - Powder coated black
  - RoHS compliant
- 2.2.6. 1 unit of fiber optic panel 8LC loaded
  - Fiber patch panel, loaded with 8LC/UPC MM duplex adapters
  - Powder coated black
  - RoHS compliant
- 2.2.7. 4 units of fiber optic patch cord LC-LC 2 meters duplex OM4 MM
  - Patch cord, OM4, LC/LC Duplex, 1.8 mm
  - Low Smoke Zero Halogen (LSZH) cables
  - IEC 60332-1, IEC 60332-3, IEC 60754 and IEC 61034 compliant
- 2.2.8. 16 units of protection sleeves, 60mm
  - Fiber optic splice heat shrink protective sleeve, 61mm
  - RoHS compliant
- 2.2.9. 16 units of pigtail LC OM4 MM, 1 meter
  - OM4 LC/UPC to unconnectorized, fiber pigtail
  - TIA/EIA-568-C.3
  - OM4, LazrSPEED
  - RoHS compliant
- 2.2.10. Must be US or European Made or origin
- 2.2.11. Must pass fluke cable analyzer test result for certification

## **2.3. Data Cabinet for Main Distribution Frame (MDF) (1 unit)**

- 2.3.1. The cabinet is 600mm x 600mm x 7ft (45U)
- 2.3.2. EIA-310 D: Standard 19" rack opening system
- 2.3.3. Material: Galvanized Iron Gauge #16
- 2.3.4. Welded/bolted frame and panels
- 2.3.5. 4 units exhaust fan and 2 x 12 cable access with cover on top panel
- 2.3.6. Swing out detachable vented back door with swing handle lock and key
- 2.3.7. Swing out detachable plexiglass front door with swing handle lock and key
- 2.3.8. Detachable vented segmented side panels with push lock and key
- 2.3.9. 400mm usable inside depth
- 2.3.10. 1-unit vertical PDU with 14 universal outlets 220V AC
- 2.3.11. 1.8 meters royal cord and 3 prong plugs
- 2.3.12. 1-unit vertical ring-type management at the back
- 2.3.13. 4 pcs adjustable 45RU square-holed L-type mounting rail



- 2.3.14. 32 sets of cage nut and bolt
- 2.3.15. Powder coated textured black finished
- 2.3.16. Cable entry with removable cover at base
- 2.3.17. 4 pcs caster wheel and 4 pcs leveling feet

#### **2.4. Data Cabinets for Intermediate Distribution Frame (IDF) (2 units)**

- 2.4.1. The cabinet is 600mm x 600mm x 2ft (12U)
- 2.4.2. EIA-310 D: Standard 19" rack opening system
- 2.4.3. Material: Galvanized Iron Gauge #16
- 2.4.4. Welded/bolted frame and panels
- 2.4.5. 2 units exhaust fan and cable access on top panel
- 2.4.6. 2 x 6 cable access with removable cover on top and bottom panel
- 2.4.7. Swing out detachable plexiglass front door with push lock and key
- 2.4.8. Detachable vented side panels with camlock and key
- 2.4.9. No back panel
- 2.4.10. 400mm usable inside depth
- 2.4.11. 1-unit vertical PDU with 4 universal outlets 220V AC
- 2.4.12. 1.8 meters royal cord and 3 prong plugs
- 2.4.13. 1-unit vertical ring-type management at the back
- 2.4.14. 4 pcs adjustable 12RU square-holed L-type mounting rail
- 2.4.15. 12 sets of cage nut and bolt
- 2.4.16. Powder coated textured black finished

#### **2.5. Firewall Appliance (1 unit)**

##### **2.5.1. Interfaces and modules**

- Hardware Accelerated GE RJ45 Ports: 12
- Hardware Accelerated GE RJ45 Management Port: 1
- High Availability (HA) Ports: 2
- DMZ Port: 1
- Hardware Accelerated GE SFP Slots: 4
- Hardware Accelerated 10 GE SFP+ Slots: 2
- GE RJ45 WAN Ports: 2
- GE RJ45 or SFP Shared Ports: 4
- USB Port: 1
- Console Port: 1

##### **2.5.2. System Performance**

- IPS Throughput: 2.6 Gbps
- NGFW Throughput: 1.6 Gbps
- Threat Protection Throughput: 1 Gbps
- IPv4 Firewall Throughput (1518 / 512 / 64 byte, UDP): 20 / 18 / 10 Gbps
- Firewall Latency (64 byte, UDP): 4.97  $\mu$ s
- Firewall Throughput (Packet per Second): 15 Mbps
- Concurrent Sessions (TCP): 1.5 million
- New Sessions/Second (TCP): 56,000
- Firewall Policies: 10,000
- IPsec VPN Throughput (512 byte): 11.5 Gbps

- Gateway-to-Gateway IPsec VPN Tunnels: 2,000
- Client-to-Gateway IPsec VPN Tunnels: 16,000
- SSL-VPN Throughput: 1 Gbps
- Concurrent SSL-VPN Users (Recommended Maximum, Tunnel Mode): 500
- SSL Inspection Throughput (IPS, avg. HTTPS): 1 Gbps
- SSL Inspection CPS (IPS, avg. HTTPS): 1,800
- SSL Inspection Concurrent Session (IPS, avg. HTTPS): 135,000
- Application Control Throughput (HTTP 64K): 2.2 Gbps
- CAPWAP Throughput (HTTP 64K): 15 Gbps
- Virtual Domains (Default / Maximum): 10 / 10
- High Availability Configurations: Active-Active, Active-Passive, Clustering

#### 2.5.3. Dimensions and Power

- Height x Width x Length (inches): 1.73 x 17 x 10
- Height x Width x Length (mm): 44 x 432 x 254
- Weight: 7.25 lbs (3.29 kg)
- Form Factor (supports EIA/non-EIA standards): Rack Mount, 1 RU
- AC Power Supply: 100–240V AC, 50/60 Hz
- Power Consumption (Average / Maximum): 26.5 W / 29.5 W
- Current (Maximum): 100V / 1A, 240V / 0.5A
- Heat Dissipation: 100.6 BTU/h
- Redundant Power Supplies: Yes (Default dual non-swappable AC PSU for 1+1 Redundancy)
- Power Supply Efficiency Rating: 80Plus Compliant

#### 2.5.4. Subscription: 1 year

#### 2.5.5. Warranty and Support: 1 year

### 2.6. Network Switches (3 units)

#### 2.6.1. Differentiator

- High performance, smart-managed stackable switch designed for small and growing businesses, fast and easy set-up and security you can trust.
- Stacks up to four switches at 1G and 10G speeds and enables management through a single IP address, simplifying network operations, supporting both local and cloud-managed stacking.
- Using either local web GUI, has mobile app or cloud-based web portal, you can quickly set up, monitor and manage the switches from anywhere at any time.

#### 2.6.2. Ports

- 24 RJ-45 10/100/1000 PoE (CL4 and CL6) ports
- 2 SFP+ 10GbE ports
- 2 10GBASE-T ports

#### 2.6.3. Memory and processor: Single Core ARMv7 Cortex-A9 @800MHz

#### 2.6.4. Throughput: 95 Mbps

#### 2.6.5. Switching capacity: 128 Gbps

#### 2.6.6. PoE capability: Total 370 W PoE Power (Up to 240 W of Class 6 or 370 W of Class 4 PoE)

- 2.6.7. Stacking capabilities: 4H height
- 2.6.8. Management features
  - Cloud-managed
  - Web browser
  - Simple Network Management Protocol (SNMP) Manager
- 2.6.9. Input voltage: 100 - 240 VAC
- 2.6.10. Operating temperature: 0-40°C, 0-10,000 ft
- 2.6.11. Power consumption
  - Maximum: 100-127V: 500W, 200-220V: 480W
  - Idle: 100-127V: 40W, 200-220V: 80W
- 2.6.12. Product dimensions (metric): 35.05 x 44.25 x 4.4 cm
- 2.6.13. Weight: 4.7 kg
- 2.6.14. Warranty: Lifetime

## **2.7. Access Point (20 units)**

- 2.7.1. High-performance, ceiling-mounted WiFi 6 access point designed for large offices.
- 2.7.2. Mechanical
  - Dimensions: Ø197 x 35 mm (Ø7.8 x 1.4 in)
  - Weight (without mounting kits): 460 g (1 lb)
  - Weight (with mounting kits): 600 g (1.3 lb)
  - Enclosure Material: Polycarbonate
  - Mount Material: Stainless steel
  - Weatherproofing: IP54
- 2.7.3. Hardware
  - Networking Interface: 1 x GbE RJ45 Ports
  - Management Interface: Ethernet and Bluetooth
  - Power Method: PoE
  - Power Supply: PoE switch and 48V, 0.5A PoE adapter (optional)
  - Supported Voltage Range: 44-57V DC
  - Max. Power Consumption: 13W
  - Max. Transmit (TX) Power:
    - 2.4 GHz: 22 dBm
    - 5 GHz: 26 dBm
  - Multiple-Input Multiple-Output (MIMO)
    - 2.4 GHz: 2 x 2 (UL MU-MIMO)
    - 5 GHz: 4 x 4 (DL/UL MU-MIMO)
  - Throughput Rate
    - 2.4 GHz: 573.5 Mbps
    - 5 GHz: 4.8 Gbps
  - Antenna Gain
    - 2.4 GHz: 4 dBi
    - 5 GHz: 6 dBi
  - LEDs: White/blue
  - Button: Factory reset
  - Mounting: Wall/ceiling (included)
  - Operating temperature: -30 to 60° C (-22 to 140° F)

- Operating humidity: 5 to 95% noncondensing
- Certifications: CE, FCC, IC, MIC

#### 2.7.4. Software

- WiFi Standards: 802.11 a/b/g/WiFi 4/WiFi 5/WiFi 6
- Wireless Security: WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3)
- BSSID: 8 per radio
- VLAN: 802.1Q
- Advanced QoS: Per-user rate limiting
- Guest traffic isolation: Supported
- Concurrent clients: 300+
- Zero Wait Dynamic Frequency Selection (DFS): Yes

#### 2.7.5. Warranty: 1 year

### 2.8. Transceiver (4 units)

2.8.1. Differentiator: 10G SFP+ LC SR 300m OM3 MMF transceiver

2.8.2. Weight: 20 gm (0.1 lb)

2.8.3. Dimensions: 1.3 x 1.5 x 5.6 cm (0.5 x 0.6 x 2.2 in)

2.8.4. Warranty: Lifetime

### 2.9. Uninterruptible Power Supply (2units)

2.9.1. Main Input/Output Voltage: 230V

2.9.2. Other Input/Output Voltage: 220V and 240V

2.9.3. Rated Power in W: 1,800 W

2.9.4. Rated Power in VA: 2,000 VA

2.9.5. Input Connection Type: IEC 60320 C14

2.9.6. Output Connection Type: 4 IEC 60320 C13

2.9.7. Cable Length: 1.5 m

2.9.8. No. of Cables: 1

2.9.9. Provided Equipment

- 1 IEC 60320 C13 to Schuko power cable
- 1 IEC 60320 C13 to C14 power cable
- 1 USB cable
- 1 RS-232 configuration cable
- User manual

2.9.10. Battery Type: Lead-acid battery

2.9.11. Battery Voltage: 48 V

2.9.12. Battery Recharge Time: 4 h

2.9.13. Battery Life: 3-5 years

2.9.14. Battery Charge Power: 70 W rated

2.9.15. Dimensions (H x W x D): 23.8 x 14.5 x 40 cm

2.9.16. Weight: 17 kg

2.9.17. Warranty

- 2 years repair or replace
- 1 year on battery

## 3. Scope of Work

### 3.1. Project Initiation Phase

- 3.1.1. Kickoff meeting for clarifications
- 3.1.2. Lay out plans for approval
- 3.1.3. Permit processing
- 3.1.4. Mobilization

### **3.2. Project Supervision**

- 3.2.1. Complete transfer of existing network infrastructure to the new location.
- 3.2.2. Installation of 1 network video recorder (NVR) and 4 CCTV cameras on the new location.
- 3.2.3. Supply and installation of PVC pipe/PVC moulding/PVC flexible with hanger and support for 20 units of AP and 6 data nodes.
- 3.2.4. Supply and cable pulling using Cat 6 UTP cables for 20 units of AP and 6 data nodes.
- 3.2.5. Supply and cable pulling of backbone
  - 1 run of fiber optic cable from MDF (28<sup>th</sup> floor) to IDF (25<sup>th</sup> floor)
  - 1 run of fiber optic cable from MDF (28<sup>th</sup> floor) to IDF (30<sup>th</sup> floor)
- 3.2.6. Supply and installation of data cabinets
  - 1 unit of 7-foot data cabinet for MDF (28<sup>th</sup> floor)
  - 2 units of 2-foot wall mounted data cabinets for IDF (25<sup>th</sup> and 30<sup>th</sup> floor)
- 3.2.7. Supply and installation of power supply by end user.
- 3.2.8. Mounting of 20 units of AP.
- 3.2.9. End-to-end termination of Cat 6 UTP Cables using shielded RJ45 connectors.
- 3.2.10. Rack management including installation.
- 3.2.11. Assist activation and configuration of all proposed active components.
- 3.2.12. Cable management including proper tagging and label for easy cable identification.
- 3.2.13. Testing and commissioning
- 3.2.14. Project closing
- 3.2.15. Retouching and rectification of all affected areas during project implementation.
- 3.2.16. Documentation and project hand over.

## **4. Bidder Qualifications (Must be submitted during the opening of bids)**

To ensure success of project implementation and satisfactory after-sales support, the bidder must have the following capabilities and qualifications:

- 4.1. Must have an office in Metro Manila to provide immediate onsite support if needed.
- 4.2. Must have an updated valid Philippine Contractors Accreditation Board (PCAB) license for Communication Facilities issued by Department of Trade and Industry (DTI).
- 4.3. Must have at least one (1) Certified Network Professional with five (5) years experience and employed by the company.
- 4.4. Must have an existing 8 x 5 helpdesk center support facility reachable via SMS, telephone and e-mail.
- 4.5. Must have a project management team with at least three (3) qualified installers (with five (5) years' experience as cable installers).

- 4.6. Must offer 25-year manufacturer's warranty for the structured cabling system
- 4.7. Must have certifications from the manufacturer's local office that all materials to be supplied are brand new.
- 4.8. Must have manufacturer's certification that the prospective bidder is a certified installer for the brand to be offered for at least ten (10) years for structured cabling.
- 4.9. Must conduct site survey and submit a certification issued by Information Systems Management Division (ISMD).
- 4.10. Shall submit ISO 9001:2015 Certificate.
- 4.11. Shall submit current DOLE Certification of No Pending Case.
- 4.12. Shall submit original copy of design proposal, brochures and other publications that supports compliance to the requirements.

### **BILL OF QUANTITIES**

**ABC: Php 2,300,000.00**

	DESCRIPTION	QTY	UOM
<b>Firewall Appliance</b>			
	22 x GE RJ45 ports (including 1 x DMZ port, 1 x Mgmt port, 2 x WAN ports, 2 x HA ports, 16 x switch ports with 4 SFP port shared media), 4 x GE SFP slots, 2 x 10 GE SFP+ slots with 1 year warranty and support	1	unit
<b>Network Switch</b>			
	Layer 3 switch, 24 RJ-45 10/100/1000 PoE (CL4 and CL6) ports, 2 SFP+ 10GbE ports, 2 10GBASE-T ports, 370W with lifetime warranty	3	units
<b>Access Point</b>			
	WiFi 6 Access Point, 4 x 4 MIMO with 1 year warranty	20	units
<b>Transceiver</b>			
	10G SFP+ LC SR 300m OM3 MMF transceiver with lifetime warranty	4	units
<b>Uninterruptible Power Supply</b>			
	2000VA/1800W, Tower, 230V, 4x IEC C13 outlets,	2	units

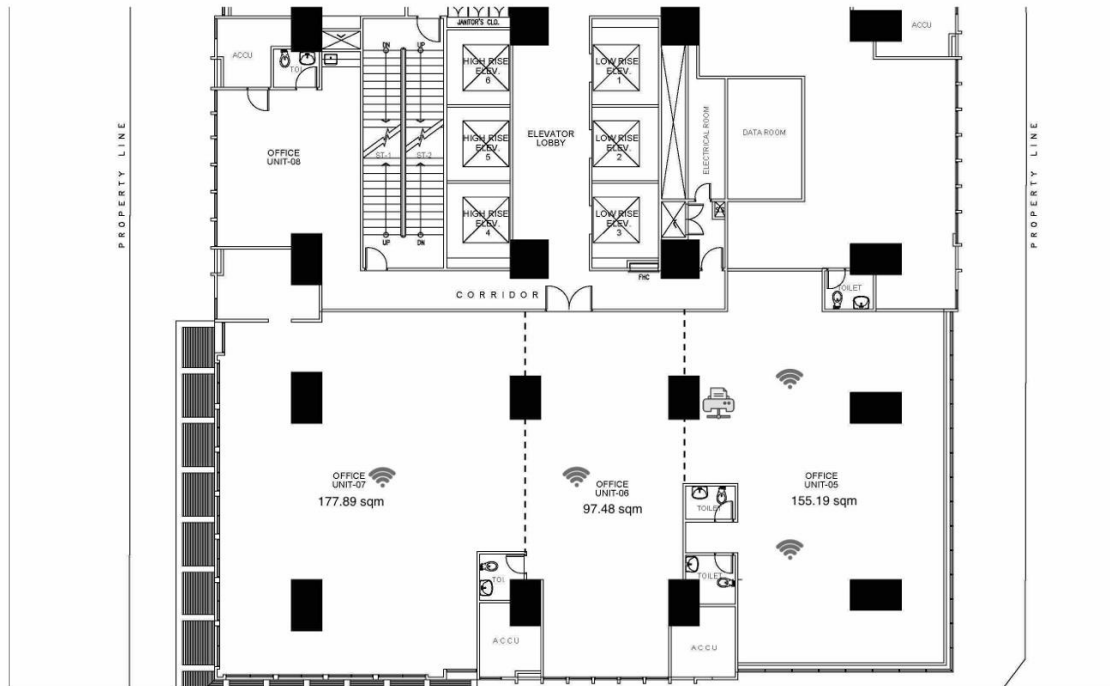
	Intelligent Card Slot, LCD with 2 years warranty (repair or replace) and 1 year warranty on battery		
<b>Data Cabinet (MDF)</b>			
	600mm x 600mm x 7ft (45U) Standard 19" rack opening system Galvanized Iron Gauge #16 Welded/bolted frame and panels 4 units exhaust fan and 2 x 12 cable access with cover on top panel Swing out detachable plexiglass front door with swing handle lock and key Swing out detachable vented back door with swing handle lock and key Detachable vented segmented side panels with push lock and key 32 sets of cage nut and bolt 4 pcs caster wheel and 4 pcs leveling feet	1	unit
<b>Data Cabinet (IDF)</b>			
	600mm x 600mm x 2ft (12U) Standard 19" rack opening system Galvanized Iron Gauge #16 Welded/bolted frame and panels 2 units exhaust fan and cable access on top panel 2 x 6 cable access with removable cover on top and bottom panel Swing out detachable plexiglass front door with push lock and key Detachable vented side panels with camlock and key No back panel 12 sets of cage nut and bolt	2	units
<b>Horizontal Cabling</b>			

	Cat 6 copper cabling works 26 nodes	1	lot
	4-core OM4 fiber optic backbone 2 runs 10G provision	1	lot
<b>Engineering Services</b>			
	Project management, labor, engineering design, installation and configuration, conduits, consumables	1	lot

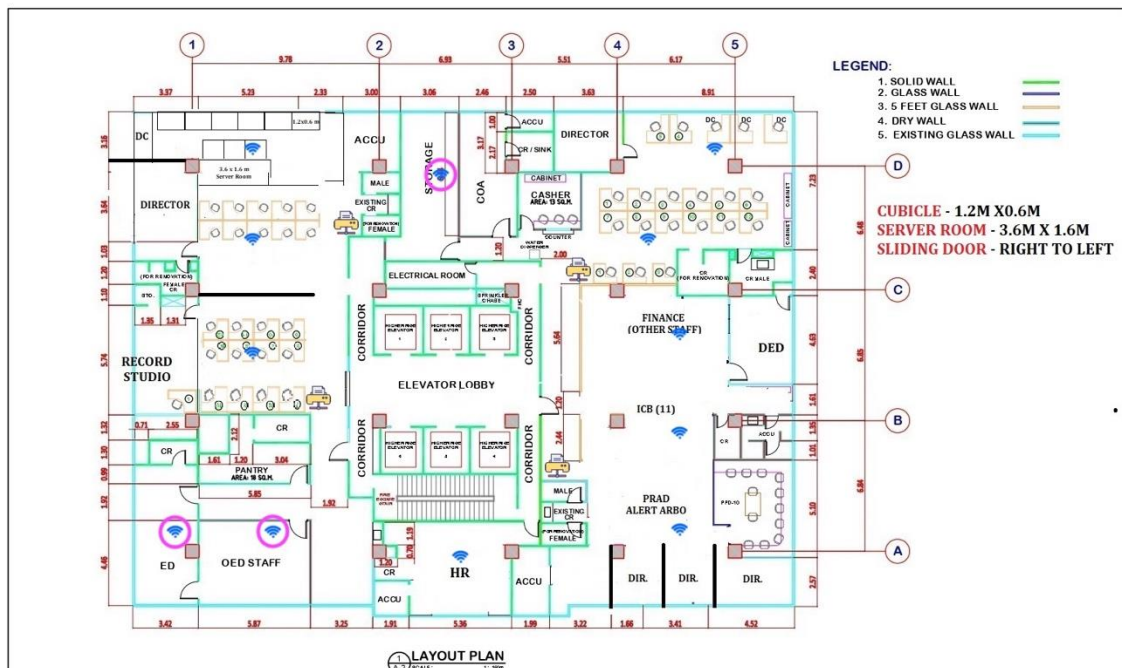


# Section VII. Drawings

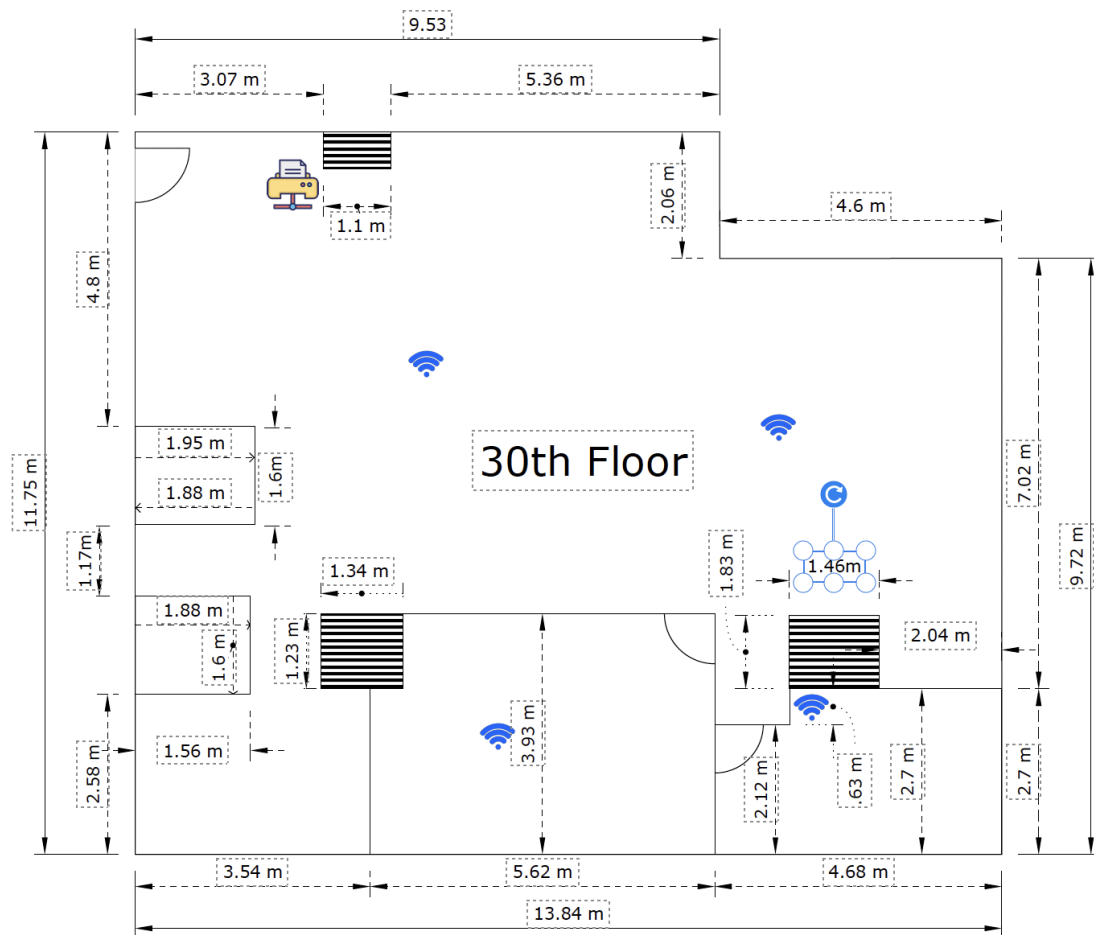
25<sup>th</sup> Floor



28<sup>th</sup> Floor



	THIS DRAWING AS INSTRUMENT OF SERVICE IS THE PROPERTY OF REGISTERED ARCHITECT AND AS MUST NOT BE REPRODUCED OR COPIED IN PART WITHOUT HIS PERMISSION. ALL DRAWING ARE TO BE RETURNED WITH NO LINGER. REPUBLIC ACT 545	ARCHITECT / CIVIL ENGINEER PRC REG. NO. _____ PTR NO. _____ PLACED ISSUED: _____ VALID UNTIL: _____ DATE ISSUED: _____ TR: _____	PROJECT TITLE <b>RENOVATION OF ACPC OFFICE</b> LOCATION: 28TH FLOOR ONE SAN MIGUEL AVENUE BUILDING, PABO CITY	OWNER <b>ACPC</b>	DRAWING TITLE AS SHOWN DESIGN BY: ESB BUILDERS ENGINEERING DRAWN BY: RPP CHECK BY: SIA DATE: _____ SHEET NO. <b>A-3</b> <b>1</b>
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30<sup>th</sup> Floor

## ***Section VIII. Bill of Quantities***

### **Notes on the Bill of Quantities**

#### **Objectives**

The objectives of the Bill of Quantities are:

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

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

#### **Daywork Schedule**

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

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

#### **Provisional Sums**

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

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

### **Signature Box**

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

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

## ***Section IX. Checklist of Technical and Financial Documents***

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

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

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

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

# Checklist of Technical and Financial Documents

## I. TECHNICAL COMPONENT ENVELOPE

### *Class “A” Documents*

#### Legal Documents

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

#### Technical Documents

- ☐ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- ☐ (c) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; **and**
- ☐ (d) Special PCAB License in case of Joint Ventures **and** registration for the type and cost of the contract to be bid; **and**
- ☐ (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission **or** original copy of Notarized Bid Securing Declaration; **and**
- ☐ (f) Project Requirements, which shall include the following:
  - ☐ a. Organizational chart for the contract to be bid;
  - ☐ 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;
  - ☐ c. List of contractor’s major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **and**
- ☐ (g) Original duly signed Omnibus Sworn Statement (OSS) **and** if applicable, Original Notarized Secretary’s Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

#### Financial Documents

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

### *Class “B” Documents*

- ☐ (i) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence **or** duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

## **II. FINANCIAL COMPONENT ENVELOPE**

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

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

- ☐ (k) Original of duly signed Bid Prices in the Bill of Quantities; **and**
- ☐ (l) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; **and**
- ☐ (m) Cash Flow by Quarter.

