



REPUBLIC OF THE PHILIPPINES  
AGUSAN DEL SUR STATE COLLEGE OF AGRICULTURE AND TECHNOLOGY  
BUNAWAN, AGUSAN DEL SUR

**BIDDING DOCUMENTS**

**Procurement**

**of**

**Supply, Delivery and**

**Installation of Various**

**Information Communication**

**Technology Networks and**

**Connectivity Equipment and**

**Facilities**

**Sixth Edition**  
**July 2020**

# Preface

These Philippine Bidding Documents (PBDs) for the procurement of Goods through Competitive Bidding have been prepared by the Government of the Philippines for use by any branch, constitutional commission or office, agency, department, bureau, office, or instrumentality of the Government of the Philippines, National Government Agencies, including Government-Owned and/or Controlled Corporations, Government Financing Institutions, State Universities and Colleges, and Local Government Unit. 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 of Republic Act No. 9184.

The Bidding Documents shall clearly and adequately define, among others: (i) the objectives, scope, and expected outputs and/or results of the proposed contract or Framework Agreement, as the case may be; (ii) the eligibility requirements of Bidders; (iii) the expected contract or Framework Agreement duration, the estimated quantity in the case of procurement of goods, delivery schedule and/or time frame; 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 Goods 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 Goods. However, they should be adapted as necessary to the circumstances of the particular Procurement 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, Bid Data Sheet, General Conditions of Contract, Special Conditions of Contract, Schedule of Requirements, and Specifications 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 Procurement Project, Project Identification Number, and Procuring Entity, in addition to the 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 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***

### **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 (*e.g.*, the application of a margin of preference in bid evaluation).

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





REPUBLIC OF THE PHILIPPINES  
 AGUSAN DEL SUR STATE COLLEGE OF AGRICULTURE AND TECHNOLOGY  
 Bunawan, Agusan del Sur

**INVITATION TO BID FOR**

**PROCUREMENT OF SUPPLY, DELIVERY AND INSTALLATION  
 OF VARIOUS INFORMATION COMMUNICATION TECHNOLOGY  
 NETWORKS AND CONNECTIVITY EQUIPMENT AND  
 FACILITIES**

1. The *Agusan del Sur State College of Agriculture and Technology (ASSCAT)*, through the *Custodial Fund (CF)* intends to apply the sum of *Twenty-Four Million Two Hundred Ninety-Three Thousand Six Hundred Fifty Pesos (Php 24,293,650.00)* being the ABC to payments under the contract for *Procurement of Supply, Delivery and Installation of Various Information Communication Technology Networks and Connectivity Equipment and Facilities*. Bids received in excess of the ABC shall be automatically rejected at bid opening.

The *Agusan del Sur State College of Agriculture and Technology (ASSCAT)*, through the *Custodial Fund (CF)* intends to apply the sum of *Twenty-Four Million Two Hundred Ninety-Three Thousand Six Hundred Fifty Pesos (Php 24,293,650.00)* being the ABC to payments under the contract. Bids received in excess of the ABC for each lot shall be automatically rejected at bid opening.

The *Agusan del Sur State College of Agriculture and Technology (ASSCAT)* now invites bids for the above Procurement Project. Delivery of the Goods is required *60 Calendar Days*. Bidders should have completed, within *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). *Bidders may participate for any one or all Lot Items.*

Lot Item No.	Item Description	Qty	Unit	Approved Budget Cost (ABC)
1	Internet Subscription	1	LOT	3,000,000.00
2	Network Connectivity Equipment and Facilities	1	LOT	8,959,800.00
3	Multimedia Equipment and Facilities	1	LOT	10,033,850.00
4	ICT Equipment and Software	1	LOT	2,300,000.00
<b>GRAND TOTAL</b>				<b>24,293,650.00</b>

2. 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.
3. Prospective Bidders may obtain further information from *Agusan del Sur State College of Agriculture and Technology (ASSCAT)* and inspect the Bidding Documents at the address given below from *Monday to Friday 8:00am to 5:00pm*.
4. A complete set of Bidding Documents may be acquired by interested Bidders on *August 19, 2021* from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of *Php 25,000.00 for all Lot Items and or specific payment for each Lot Items as stated below:*

<b>Lot Item No.</b>	<b>Item Description</b>	<b>Bid Docs Price</b>
<b>1</b>	<b>Internet Subscription</b>	<b>5,000.00</b>
<b>2</b>	<b>Network Connectivity Equipment and Facilities</b>	<b>10,000.00</b>
<b>3</b>	<b>Multimedia Equipment and Facilities</b>	<b>25,000.00</b>
<b>4</b>	<b>ICT Equipment and Software</b>	<b>5,000.00</b>

The Procuring Entity shall allow the bidder to present its proof of payment for the fees through in person or through electronic means using the following Bank Details:

*Account Name:*           **ASSCAT Fund 164**  
*Account Number:*      **0972-1162-54**  
*Branch:*                 **Land Bank of the Philippines San Francisco, Agusan del Sur**

5. The *Agusan del Sur State College of Agriculture and Technology (ASSCAT)* will hold a Pre-Bid Conference<sup>1</sup> on *August 27, 2021 at 10:00 o'clock in the morning* at the *Conference Room, Administration Building, ASSCAT, Bunawan, Agusan del Sur* and/or through video conferencing *via Zoom Video Conferencing*, which shall be open to prospective bidders.
6. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below or through online or electronic submission as indicated below, on or before *September 8, 2021 at 9:00 am*. Late bids shall not be accepted.
7. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.

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<sup>1</sup> May be deleted in case the ABC is less than One Million Pesos (PhP1,000,000) where the Procuring Entity may not hold a Pre-Bid Conference.

8. Bid opening shall be on *September 8, 2021 at 10:00 am* at the *Conference Room, Administration Building, ASSCAT, Bunawan, Agusan del Sur* and/or via *Zoom Video Conferencing*. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
9. Interested Bidders may submit their bidding documents via electronic means on or before *September 8, 2021 at 9:00 o'clock in the morning* provided that the submitted e-documents uses a two-factor security procedure consisting of an archive format compression and password protection to ensure the security, integrity and confidentiality of the bids submitted. The passwords for accessing the file will be disclosed by the Bidders only during the actual bid opening schedule on *September 8, 2021 at 10:00 o'clock in the morning (GPPB Resolution No. 09-2020, Item 4.2)*.

Further, bidders are still required to submit their bidding documents in three (3) hard copies (1 Original and 2 Certified True Copies) via hand-carry or via courier. Said documents must be sent to the following address:

Receiver's Name: **ASSCAT Bids and Awards Committee (BAC)**

Receiver's Address: **Administration Building, ASSCAT, San Teodoro, Bunawan, Agusan del Sur**

Contact Numbers: **Smart 0949-1282-221**  
**Globe 0906-3423-149**

For more information, queries and clarifications, the BAC Secretariat can be reached through the following:

E-mail Address: **asscat\_bac@yahoo.com**  
Mobile Numbers: **Smart 0949-1282-221**  
**Globe 0906-3423-149**

10. The *Agusan del Sur State College of Agriculture and Technology (ASSCAT)* 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:

**LEOLYN MAE P. JUSAY**  
*Chair, BAC Secretariat*  
*Procurement Office*  
*ASSCAT, Bunawan, Agusan del Sur*  
*09491282221/09063423149*

12. You may visit the following websites:

For downloading of Bidding Documents, please visit ***asscat.edu.ph***

For online bid submission, please email to ***asscat\_bac@yahoo.com***

*August 19, 2021*

*(sgd) SHIELA G. REYES, Ph.D.*  
BAC Chairperson

## ***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, *Agusan del Sur State College of Agriculture and Technology (ASSCAT)* invites Bids for the *Procurement of Supply, Delivery and Installation of Various Information Communication Technology Networks and Connectivity Equipment and Facilities*, with Project Identification Number PB-2021-011.

The Procurement Project (referred to herein as “Project”) is composed of Four (4) Lots Only, the details of which are described in Section VII (Technical Specifications).

## **2. Funding Information**

The GOP through the source of funding as indicated below for 2021 in the amount of *Twenty-Four Million Two Hundred Ninety-Three Thousand Six Hundred Fifty Pesos (Php 24,293,650.00)*.

2.1. The source of funding is:

*[If not an early procurement activity, select one and delete others:]*

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:

*[Select one, delete the other/s]*

a. For the procurement of Non-expendable Supplies and Services: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.

b. For the procurement of Expendable Supplies: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least twenty-five percent (25%) of the ABC.

c. 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 following requirements: *[Select either failure or monopoly of bidding based on market research conducted]*

i. Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least *fifty percent (50%) in the case of non-expendable supplies and services or twenty-five percent (25%) in the case of expendable supplies* of the ABC for this Project; and

ii. 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

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 *{[insert if applicable]}* 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 *[state relevant period as provided in paragraph 2 of the IB]* 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.
- 11.4. 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.



- 11.5. *[Include if Framework Agreement will be used:]* Financial proposals for single or multi-year Framework Agreement shall be submitted before the deadline of submission of bids as prescribed in the **IB**. For multi-year Framework Agreement, evaluation of the financial proposal during this stage is for purposes of determining eligibility and whether or not such financial proposal is within the ABC.

## 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 the **BDS**.
- 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 the **BDS**.

- 12.2. *[Include if Framework Agreement will be used:]* For Framework Agreement, the following should also apply in addition to Clause 12.1:

- a. For a single year Framework Agreement, the prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation or escalation on any account. Price schedules required under Clause 12.1 shall be submitted with the bidding documents.
- b. For a multi-year Framework Agreement, the prices quoted by the Bidder during submission of eligibility documents shall be the ceiling and the price quoted during mini-competition must not exceed the initial price offer. The price quoted during call for mini-competition shall be fixed during the Bidder's performance of that Call-off and not subject to variation or

escalation on any account. Price schedules required under Clause 12.1 shall be submitted with the bidding documents.

### 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:

*[Select one, delete the other/s]*

a. Philippine Pesos.

b. *[indicate currency if procurement involves a foreign-denominated bid as allowed by the Procuring Entity, which shall be tradeable or acceptable by the BSP].*

### 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 *[indicate date]*. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

14.3. *[Include if Framework Agreement will be used:]* In the case of Framework Agreement, other than the grounds for forfeiture under the 2016 revised IRR, the bid security may also be forfeited if the successful bidder fails to sign the Framework Agreement, or fails to furnish the performance security or performance securing declaration. Without prejudice on its forfeiture, bid securities shall be returned only after the posting of performance security or performance securing declaration, as the case may be, by the winning Bidder or compliant Bidders and the signing of the Framework Agreement.

### 15. Sealing and Marking of Bids

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

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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.

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 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.

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

- 16.1. 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**.
- 16.2. *[Include if Framework Agreement will be used:]* For multi-year Framework Agreement, the submission of bids shall be for the initial evaluation of their technical and financial eligibility. Thereafter, those declared eligible during the said initial eligibility evaluation and entered into a Framework Agreement with the Procuring Entity shall submit anew their best financial offer at the address and on or before the date and time indicated in the Call for each mini-competition.

## **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.

- 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.
- 18.2. *[Include if Framework Agreement will be used:]* For multi-year Framework Agreement, determination of margin of preference shall be conducted every call for Mini-Competition.

## 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 the 2016 revised IRR of RA No. 9184.

*[Include the following options if Framework Agreement will be used:]*

- a. In the case of single-year Framework Agreement, the Lowest Calculated Bid shall be determined outright after the detailed evaluation;
  - b. For multi-year Framework Agreement, the determination of the eligibility and the compliance of bidders with the technical and financial aspects of the projects shall be initially made by the BAC, in accordance with Item 7.4.2 of the Guidelines on the Use of Framework Agreement.
- 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 14 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 follows:

*[Select one, delete the other/s]*

Option 1 – One Project having several items that shall be awarded as one contract.

Option 2 – One Project having several items grouped into several lots, which shall be awarded as separate contracts per lot.

Option 3 - One Project having several items, which shall be awarded as separate contracts per item.

*[Delete Options 2 and 3 if Framework Agreement will be used.]*

- 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

- 20.1. *[Include if Framework Agreement will be used:]* For multi-year Framework Agreement, all bidders initially determined to be eligible and financially compliant shall be subject to initial post-qualification. The BAC shall then recommend the execution of a Framework Agreement among all eligible, technically and financially compliant bidders and the Procuring Entity and shall be issued by HoPE a Notice to Execute Framework Agreement. The determination of the Lowest Calculated Bid (LCB) shall not be performed by the BAC until a Mini-Competition is conducted among the bidders who executed a Framework Agreement. When a Call for Mini-Competition is made, the BAC shall allow the bidders to submit their best financial proposals on such pre-scheduled date, time and place to determine the bidder with the LCB.
- 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, *{[Include if Framework Agreement will be used:]* or in the case of multi-year Framework Agreement, that it is one of the eligible bidders who have submitted bids that are found to be technically and financially compliant, *}* 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**. *{[Include if Framework Agreement will be used:]* For every mini-competition in Framework Agreement, the LCB shall likewise submit the required documents for final Post Qualification. *}*

## 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**.

*[Include the following clauses if Framework Agreement will be used:]*

- 21.2. At the same time as the Procuring Entity notifies the successful Bidder that its bid has been accepted, the Procuring Entity shall send the Framework Agreement Form to the Bidder, which contract has been provided in the Bidding Documents, incorporating therein all agreements between the parties.
- 21.3. Within ten (10) calendar days from receipt of the Notice to Execute Framework Agreement with the Procuring Entity, the successful Bidder or its duly authorized representative shall formally enter into a Framework Agreement with the procuring entity for an amount of One Peso to be paid to the procuring entity as a consideration for the option granted by the procuring entity to procure the items in the Framework Agreement List when the need arises.
- 21.4. The Procuring Entity shall enter into a Framework Agreement with the successful Bidder within the same ten (10) calendar day period provided that all the documentary requirements are complied with.
- 21.5. The following documents shall form part of the Framework Agreement:

- a. Framework Agreement Form;
- b. Bidding Documents;
- c. Call-offs;
- d. Winning bidder's bid, including the Technical and Financial Proposals, and all other documents/statements submitted (*e.g.*, bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;
- e. Performance Security or Performance Securing Declaration, as the case may be;
- f. Notice to Execute Framework Agreement; and
- g. Other contract documents that may be required by existing laws and/or specified in the **BDS**.

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

### **Notes on the Bid Data Sheet**

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	
5.3	<p>For this purpose, contracts similar to the Project shall be:</p> <ul style="list-style-type: none"> <li>a. <i>[provide the definition or description of similar contracts].</i></li> <li>b. completed within 2 years prior to the deadline for the submission and receipt of bids.</li> </ul>
7.1	<i>[Specify the portions of Goods to be subcontracted, which shall not be a significant or material component of the Project as determined by the Procuring Entity.]</i>
12	The price of the Goods shall be quoted DDP <i>[state place of destination]</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 <i>two percent (2%) of ABC</i>, 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 <i>five percent (5%) of ABC</i> if bid security is in Surety Bond.</li> </ul>
19.3	<p><i>[In case the Project will be awarded by lot, list the grouping of lots by specifying the group title, items, and the quantity for every identified lot, and the corresponding ABC for each lot.]</i></p> <p><i>[In case the project will be awarded by item, list each item indicating its quantity and ABC.]</i></p>
20.2	<i>[List here any licenses and permits relevant to the Project and the corresponding law requiring it.]</i>
21.2	<i>[List here any additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity.]</i>



## ***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 Supplier, 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.

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**.

*[Include the following clauses if Framework Agreement will be used:]*

2.3. For a single-year Framework Agreement, prices charged by the Supplier for Goods delivered and/or services performed under a Call-Off shall not vary from the prices quoted by the Supplier in its bid.

2.4. For multi-year Framework Agreement, prices charged by the Supplier for Goods delivered and/or services performed under a Call-Off shall not vary from the prices quoted by the Supplier during conduct of Mini-Competition.

## 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 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. *{[Include if Framework Agreement will be used:]} In the case of Framework Agreement, the Bidder may opt to furnish the performance security or a Performance Securing Declaration as defined under the Guidelines on the Use of Framework Agreement.*

#### **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 *{[Include if Framework Agreement will be used:] or Framework Agreement}* specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section VII (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**

5.1 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.

5.2 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*

### **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 Goods purchased. 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	
1	<p><i>[List here any additional requirements for the completion of this Contract. The following requirements and the corresponding provisions may be deleted, amended, or retained depending on its applicability to this Contract:]</i></p> <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><i>[For Goods supplied from abroad, state:]</i> “The delivery terms applicable to the Contract are DDP delivered <i>[indicate place of destination]</i>. In accordance with INCOTERMS.”</p> <p><i>[For Goods supplied from within the Philippines, state:]</i> “The delivery terms applicable to this Contract are delivered <i>[indicate place of destination]</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> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is <i>[indicate name(s)]</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> <p><i>Select appropriate requirements and delete the rest.</i></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> <li>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</li> </ol>

- 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.
- f. *[Specify additional incidental service requirements, as needed.]*

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.

**Spare Parts –**

The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

*Select appropriate requirements and delete the rest.*

1. 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
2. in the event of termination of production of the spare parts:
  - i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and
  - ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.

The spare parts and other components required are listed in **Section VI (Schedule of Requirements)** and the costs thereof are included in the contract price.

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of *[indicate here the time period specified. If not used indicate a time period of three times the warranty period]*.

Spare parts or components shall be supplied as promptly as possible, but in any case, within *[insert appropriate time period]* months of placing the order.

	<p><b>Packaging –</b></p> <p>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></p> <p>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> <p><b>Intellectual Property Rights –</b></p> <p>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.</p>
2.2	<p><i>[If partial payment is allowed, state]</i> “The terms of payment shall be as follows: _____.”</p>
4	<p>The inspections and tests that will be conducted are: <i>[Indicate the applicable inspections and tests]</i></p>



## *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.

Lot Item Number	Description	Quantity	Unit	Total	Delivered, Weeks/Months
<b>1</b>	<b>Internet Subscription</b>	<b>1</b>	<b>Lot</b>	<b>3,000,000.00</b>	<b>12 Months</b>
	<p><b>Internet on Fiber Optic</b></p> <p>Technical Specifications:</p> <p>Committed Information Rate minimum of 250 Mbps, CIR is at 100% Bandwidth Reliability, Symmetrical download and upload speed.</p> <p>Free use of Fiber Optic Components (Fiber Switch, Optical Distribution Frame, SFP Transceivers, Fiber optic patch cord, Free use of Public IP's, 24/7-Technical support, Monthly report for Bandwidth monitoring, Assistance and consultation in network design, configuration and implementation.</p> <p>Internet on Fiber Optic, Committed Information Rate minimum of 250 Mbps, CIR is at 100% Bandwidth Reliability, Symmetrical download and upload speed.</p> <p>Free use of Fiber Optic Components (Fiber Switch, Optical Distribution Frame, SFP Transceivers, Fiber optic patch cord, Free use of Public IP's, 24/7-Technical support, Monthly report for Bandwidth monitoring, Assistance and consultation in network design, configuration and implementation.</p> <p>Includes other necessary accessories for installation.</p>				
<b>2</b>	<b>Network Connectivity Equipment and Facilities</b>	<b>1</b>	<b>Lot</b>	<b>8,959,800.00</b>	<b>60 days</b>
	<i>A. Fiber Optic Cabling</i>				
	<b>Aerial and Duct FOC Outside-Plant(OSP)</b>				
	<p><b>Fiber Optic Cable</b> 24 core single mode fiber optic cable</p>	3600	<b>meter</b>		
	<p><b>Octagonal Pole 9.4 m (7AR)</b> Concrete pole with complete accessories</p>	45	<b>unit</b>		

	Optical distribution Frame 8 cores Includes other necessary accessories for installation.	21	<b>unit</b>		
	<b>Aerial and Duct Fiber to the Home (FTTH)</b>				
	<b>Data Cabinet</b>  <i>Technical Specifications:</i>  12U server rack WM.6409.7101 has 600mm x 12U X 600mm size, front glass door, lockable and quick release front door, adjustable mounting depth, numbered U position, optimized 19" standard width, easy opening of side panels, case nuts, screws, finished powder coat paint, 1 x 6 port PDU AC and 2 cooling fans  12U WALL-MOUNT Server Cabinet Network Accessories, 2 x 4-inch Fan (Low Noise) on Vented Top Flush Panel, 2 x 4-inch Fan (Low Noise) on Vented Top Flush Panel, 1 Packet of M6 Cage Nuts Assembly, Finish with Epoxy Powder Coating  Includes other necessary accessories for installation.	21	<b>unit</b>		
	<b>Wifi Router</b>  <i>Technical Specifications:</i>  Ethernet WAN:1 RJ-45 SFP Gigabit combination port  Ethernet LAN:8 RJ-45 Gigabit Ethernet ports  RV260P has 4 PoE ports with a 60W power budget  Console port:1 RJ-45 port  Switch: Power on/off  Cabling type: Category 5 or better  LEDs: Power, VPN, WAN, LAN  Operating system: Linux  LAN  VLANs:16  Port security: Yes, 802.1X  IPv6: Dual stack, 6rd,6in4  WAN:Dynamic Host Configuration Protocol (DHCP) client, static IP, Point-to-Point Protocol over Ethernet (PPPoE), PPTP, Layer 2 Tunneling Protocol (L2TP)	42	<b>unit</b>		

<p>WLAN: 3x3 802.11ac Wave 2</p> <p>Security:</p> <p>Firewall: SPI firewall</p> <ul style="list-style-type: none"> <li>• Port forwarding and triggering</li> <li>• Denial-of-Service prevention (DoS)</li> </ul> <p>Access control: IP access control lists</p> <p>Secure management: HTTPS, username/password complexity</p> <p>User privileges: Two levels of access: Admin and guest</p> <p>Network protocols:</p> <ul style="list-style-type: none"> <li>• Dynamic Host Configuration Protocol (DHCP) server</li> <li>• Point-to-Point Protocol over Ethernet (PPPoE)</li> <li>• Point-to-Point Tunneling Protocol (PPTP) <ul style="list-style-type: none"> <li>◦ Layer 2 Tunneling Protocol (L2TP)</li> </ul> </li> <li>• DNS proxy</li> <li>• DHCP relay agent</li> <li>• Internet Group Management Protocol (IGMP) proxy and multicast forwarding</li> <li>• Rapid Spanning Tree Protocol (RSTP)</li> <li>• Dynamic DNS (DynDNS, No-IP, ChangeIP)</li> <li>• Network Address Translation (NAT), Port Address Translation (PAT) <ul style="list-style-type: none"> <li>• One-to-one NAT</li> </ul> </li> <li>• Port management</li> <li>• Port mirroring</li> <li>• Software-configurable DMZ to any LAN IP address <ul style="list-style-type: none"> <li>◦ Session Initiation Protocol (SIP) Application Layer Gateways (ALG)</li> </ul> </li> </ul> <p>Routing protocols</p> <ul style="list-style-type: none"> <li>• Static routing, IGMP proxy</li> <li>• Dynamic routing</li> </ul>				
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<ul style="list-style-type: none"> <li>● Routing Information Protocol (RIP) v1 and v2</li> <li>● RIP for IPv6 (RIPng) <ul style="list-style-type: none"> <li>◦ Inter-VLAN routing</li> </ul> </li> </ul> <p>NAT protocol</p> <p>Port Address Translation (PAT), Network Address Port Translation (NAPT)</p> <p>Port forwarding, One-to-one NAT, VPN NAT Traversal, Session Initiation Protocol (SIP), ALG, FTP ALG</p> <p>VPN</p> <p>Gateway-to-gateway IPsec VPN: 20 IPsec tunnels</p> <p>Client-to-gateway IPsec VPN: 20 IPsec tunnels</p> <p>IPsec VPN: Internet Key Exchange (IKE) v2, Generic Routing Encapsulation (GRE), hub and spoke supported</p> <p>PPTP VPN: 20 PPTP VPN tunnels</p> <p>OpenVPN: Support for the OpenVPN server</p> <p>Encryption: Triple Data Encryption Standard (3DES), Advanced Encryption Standard (AES) with 128, 192, and 256-bit keys encryption</p> <p>VPN pass-through: IPsec, PPTP, and L2TP pass-through</p> <p>Quality of Service (QoS)</p> <p>QoS</p> <ul style="list-style-type: none"> <li>● 802.1p port-based priority on LAN port, application-based priority on WAN port</li> <li>● 4 queues</li> <li>● Differentiated Services Code Point (DSCP) support</li> <li>● Class of Service (CoS)</li> <li>● Bandwidth management for service prioritization</li> </ul> <p>Jumbo frame support: Supports jumbo frames on Gigabit ports – at least 1536B</p> <p>Performance:</p> <p>NAT throughput: 800+ Mbps</p> <p>Concurrent sessions: 25,000</p> <p>IPsec VPN throughput: 75+ Mbps</p>				
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	<p>Certifications</p> <p>Safety:</p> <ul style="list-style-type: none"> <li>● UL 60950-1</li> <li>● CAN/CSA-C22.2 No. 60950-1</li> <li>● IEC 60950-1</li> <li>● EN 60950-1</li> </ul> <p>Radio approvals:</p> <ul style="list-style-type: none"> <li>● FCC Part 15.247, 15.407</li> <li>● RSS-210 (Canada)</li> <li>● EN 300.328, EN 301.893 (Europe)</li> <li>● AS/NZS 4268.2003 (Australia and New Zealand)</li> </ul> <p>EMI and susceptibility:</p> <ul style="list-style-type: none"> <li>● FCC Part 15.107 and 15.109</li> <li>● ICES-003 (Canada)</li> <li>● EN 301.489-1 and -17 (Europe)</li> <li>◦ RV260/RV260P rackmount: Class A</li> </ul>				
	<p><b>FTTH Cable</b></p> <p><i>Technical Specifications:</i>  200m 3 Steel Wire Single Core Cable FTTH Single mode  Cable Patch Cord Optical Fiber Indoor-Outdoor Network  Cable</p>	42	<b>Piece</b>		
	<p><b>Small Form-factor Pluggable (SFP) Transceivers</b></p> <p><i>Technical Specifications:</i>  Data Rate: 1.25 Gbps SFP  Cable Distance: 3 km minimum  Supported Media: SM Fiber</p>	42	<b>Piece</b>		
	<p><b>Cat 6 Cable UTP Unshielded AWG24 Gray Data LAN</b></p> <p><i>Technical Specifications:</i>  Cable 305 meters 1000 feet  Number of Pairs: 4</p>	10	<b>box</b>		

<p>Total Number of Conductors: 8</p> <p>AWG: 24</p> <p>Stranding: Solid</p> <p>Conductor Material: BC - Bare Copper</p> <p>Insulation Material: PO - Polyolefin</p> <p>Outer Shield Material: Unshielded</p> <p>Outer Jacket Material: PVC - Polyvinyl Chloride</p> <p>Plenum (Y/N): N</p> <p>Outer Jacket Ripcord - Yes</p> <p>UL CM Rated</p> <p>Supporting frequencies of up to 250 MHz and the 10BASE-T, 100BASE-TX, 1000BASE-T, and 10GBASE-T</p> <p>1000ft/305m</p> <p>Includes other necessary accessories for installation.</p>				
<p><b>Installation Labor for Aerial and Duct FOC Outside-Plant(OSP) and Aerial and Duct Fiber to the Home (FTTH)</b></p>	<p>1</p>	<p><b>lot</b></p>		
<p><b>Managed Switch</b></p> <p><i>Technical Specifications:</i></p> <p>Sub type Gigabit Ethernet</p> <p>Ports 24 x 10/100/1000 + 2 x 10 Gigabit Ethernet + 2 x 10 Gigabit SFP+</p> <p>Performance Switching capacity: 128 Gbps</p> <p>Switching capacity (64-byte packet size): 95.23 Mpps</p> <p>Jumbo Frame Support 9KB</p> <p>Authentication Method RADIUS</p> <p>Flash Memory 256 MB</p> <p>MAC Address Table Size 8K entries</p> <p>Status Indicators System, link/speed</p> <p>Encryption Algorithm MD5, SSL</p>	<p>21</p>	<p><b>unit</b></p>		

	<p>Routing Protocol IGMPv2, IGMP, IGMPv3, MLDv2, MLD, CIDR</p> <p>Jumbo Frame Support 9KB</p> <p>CAMERA</p> <p>Installed Size 256 MB</p> <p>POWER DEVICE</p> <p>Nominal Voltage AC 120/230 V</p> <p>Frequency Required 50/60 Hz</p> <p>Type internal power supply</p> <p>NETWORKING</p> <p>MAC Address Table Size 8K entries</p> <p>Sub category network hubs and switches</p> <p>Sub type Gigabit Ethernet</p> <p>Form Factor rack-mountable</p> <p>Type Switch</p> <p>Advanced Switching Layer 3 Features 1 fan, 12MB packet buffer, Access Control List (ACL) support, BOOTP support, Broadcast Storm Control, DHCP support, DiffServ support, IGMP snooping, MLD snooping, Multiple Spanning Tree Protocol (MSTP) support, Quality of Service (QoS)</p> <p>Includes other necessary accessories for installation.</p> <p>Rapid Spanning Tree Protocol (RSTP) support, SNMP support, STP support, Spanning Tree Protocol (STP) support, Syslog support, Unicast Storm Control, VLAN support, Weighted Round Robin (WRR) queuing, port mirroring</p> <p>Compliant Standards IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3, IEEE 802.3ab, IEEE 802.3ad (LACP), IEEE 802.3az, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z</p> <p>Jumbo Frame Support 9KB</p> <p>Ports Qty 24</p> <p>Manageable Yes</p> <p>Smart Yes</p>				
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<p>Routing Protocol CIDR, IGMP, IGMPv2, IGMPv3, MLD, MLDv2</p> <p>Remote Management Protocol HTTP, HTTPS, RMON, SNMP, SSH, TFTP, Telnet</p> <p><b>PROCESSOR</b></p> <p>Manufacturer ARM</p> <p>Clock Speed 800 MHz</p> <p><b>MISCELLANEOUS</b></p> <p>Rack Mounting Kit included</p> <p>Encryption Algorithm MD5, SSL</p> <p>MTBF 130255 hour(s)</p> <p>Height (Rack Units) 1 m</p> <p>Color Category black</p> <p>MTBF 130,255 hours</p>				
<p><b>Firewall (Appliance)</b></p> <p><i>Technical Specifications:</i></p> <p>Processor / Memory / Storage</p> <p>RAM Installed ( Max ) 2 GB</p> <p>Flash Memory Installed (Max) 256 MB Flash</p> <p>Networking</p> <p>Form Factor: Rack-mountable</p> <p>Connectivity Technology: Wired</p> <p>Data Link Protocol: Ethernet, Fast Ethernet, Gigabit Ethernet</p> <p>Network / Transport Protocol: IPSec</p> <p>Performance Firewall throughput : 450 Mbps</p> <p>VPN throughput : 225 Mbps</p> <p>Connection rate : 12000 connections per second</p> <p>Capacity Concurrent sessions : 280000</p> <p>IPSec VPN peers : 750</p> <p>SSL VPN peers : 2</p>	1	<b>unit</b>		



	<p>Virtual interfaces (VLANs) : 100</p> <p>Features Firewall protection, VPN support, load balancing, VLAN support, High Availability</p> <p>Encryption Algorithm DES, Triple DES, AES</p> <p>Connectivity Slots</p> <p>Expansion Slot(s):1 (total) / 1 (free) x Expansion Slot</p> <p>1 memory</p> <p>Interfaces 1 x network - Ethernet 10Base-T/100Base-TX - RJ-45</p> <p>1 x management - console - RJ-45</p> <p>2 x Hi-Speed USB - 4 PIN USB Type A</p> <p>1 x serial - auxiliary - RJ-45</p> <p>4 x network - Ethernet 10Base-T/100Base-TX/1000Base-T - RJ-45</p> <p>Miscellaneous</p> <p>Compliant Standards CE, FCC Class A certified, CISPR 22 Class A, EN 60950, EN 61000-3-2, UL 1950, VCCI Class A ITE, IEC 60950, EN 61000-3-3, CSA 22.2 No. 950, EN55022 Class A, ACA TS001, AS/NZS 3260, FCC Part 15</p> <p>Power Supply</p> <p>Power Device Power supply - internal</p> <p>Voltage Required AC 120/230 V ( 50/60 Hz )</p> <p>Power Provided 190 Watt</p>				
	<p><b>Load Balancer (Appliance)</b></p> <p><i>Technical Specifications:</i></p> <p>Support Subscription Tiers Standard and Enterprise All Performance</p> <p>Application throughput (Layer 4) 1 Gbps</p> <p>Application throughput (Layer 7) 1 Gbps</p> <p>Bulk Encryption 1 Gbps</p> <p>SSL TPS (2K Keys) 1,000</p> <p>Concurrent Layer 4 Connections 4,000,000</p>	1	<b>unit</b>		

<p>Concurrent Layer 7 Connections 32,800</p> <p>Layer 7 HTTP requests/sec 70,000</p> <p>Layer 4 requests/sec 78,000</p> <p>Layer 4 connections/sec 25,000</p> <p>Hardware Platform</p> <p>CPU Intel ATOM C3558 @ 2.2GHz, 4C/2T</p> <p>Memory (RAM Size) 4GB</p> <p>Storage 500GB HDD</p> <p>Hardware SSL Acceleration No</p> <p>Gigabit Ethernet Ports 4</p> <p>10 Gigabit Ports (SFP+) N/A</p> <p>VGA Ports 1</p> <p>Console Ports 1 RJ45</p> <p>Rack Size 1U</p> <p>Dimensions 430 x 310 x 44mm (16.9 x 12.2 x 1.7 in)</p> <p>Includes other necessary accessories for installation.</p>				
<p><b>Optical Time Domain Reflectometer (OTDR)</b></p> <p><i>Technical Specifications:</i></p> <p>Wavelength (nm) = 1310/1550</p> <p>Dynamic range (dB) = 32/30dB</p> <p>Pulse width (ns) = 5,20,40,80,160,320,640,1280,2560,5120,10240,20480</p> <p>Event blind zone (m) 3 = 2m</p> <p>Attenuation blind zone (m) 3 = 9m</p> <p>Linearity (dB/dB) = ±0.05 dB/ dB</p> <p>Loss threshold = (dB)0.05</p> <p>Loss resolution ratio (dB) = 0.01</p> <p>Sampling resolution ratio (m) = 0.125 to 8</p>	1	<b>unit</b>		

<p>Sampling point = 32K</p> <p>Distance uncertainty (m) = <math>\pm(1 \text{ m} + 5 \times 10^{-5} \times \text{distance} + \text{sampling interval})</math></p> <p>Distance scope (km) = 0.3 to 180</p> <p>Typical real-time refreshing duration (s) = 0.2</p> <p>Memory capacity of trace = SD Card (2G), &gt; 10000 pieces</p> <p>Duration of measurement = Defined by user; 5sec, 10sec, 15sec, 30sec, 1min, 2min, and 3min are selectable</p> <p>Running temperature = -10°C to 50°C</p> <p>Relative humidity = 0% to 95% (non-condensation)</p> <p>Power supply = Lithium battery; continuing working duration <math>\geq 8</math> hours</p>				
<p><b>Fusion Optic Splicing Machine (Heavy Duty)</b></p> <p><i>Technical Specifications:</i></p> <p>Alignment method</p> <p>Splicing Time: 5s</p> <p>Heating Time: 15s</p> <p>Heating Method: Automatic Heating (Preheating)</p> <p>Focusing Mode: Six Motor Auto Focusing</p> <p>Applicable Fibers: SM (G.652 And G.657), MM (G.651), DS (G.657), NZDS (G.655)</p> <p>Splice Loss: 0.025dB (SM), 0.01dB (MM) 0.04dB (DS / NZDS)</p> <p>Control Technology: Real-Time Control and Calibration With ARC</p> <p>Return Loss: Better Than 60DB</p> <p>Fiber Diameter: Cladding Diameter: 80-150um; Coating Diameter: 100-1000um</p> <p>Fiber Cutting Length: Coating Less Than 250um: 8-16mm; Coating Less Than 250-1000um: 16mm</p> <p>Software Update Length: Automatic Update; Button Time Update: 1 Second</p> <p>Visual Fault Locator: Power: 15mw, 2hz Flicker and Constant Brightness Mode</p>	1	<b>unit</b>		

<p>Tension Test: Standard 2N</p> <p>Fiber Holder: 3-In-1 Fiber Holder, SM, MM, Bare Fiber, Pigtail, Rubber Insulated Multi-Cable Cable</p> <p>Magnification: 300 For X or Y View and 150 For X or Y View</p> <p>Screen: 5-Inch TFT</p> <p>Splicing Method: Fully Automatic, Step By Step</p> <p>Splicing Record Storage: Sync To Mobile Phone, Server To Cloud Storage Unlimited</p> <p>Built-In Battery: 7800 MAh Large Capacity Lithium Battery, Charging Time 3.5 Hours, Continuous Splicing and Heating About 200 Times</p> <p>Power Supply: Input AC100-240V 50 / 60Hz, Output DC13.5V / 4A, Can Identify the Current Power Mode, Real-Time Detection of Battery Power Operation</p> <p>Conditions: Temperature -15~ + 50, Humidity: &lt;95% Rh (No Condensation)</p> <p>Working Altitude: 0~5000m. Resistance to Maximum Wind Speed: 15m/S</p> <p>Heat Shrinkable Tube: 60mm, 50mm, 40mm, 25mm</p> <p>Size: Approx. 12.2 * 13 * 14.8cm / 4.8 * 5.1 * 5.8in</p> <p>Package includes:</p> <ul style="list-style-type: none"> <li>1 Fiber Cleaver</li> <li>1 Pair of Spare Electrode</li> <li>1 Wire Stripper</li> <li>1 Pliers</li> <li>1 Set of Hex Wrench</li> <li>1 Fiber for ARC Calibration</li> <li>1 Strap</li> <li>1 Set of Power Adapter</li> <li>1 Alcohol Bottle</li> <li>1 Brush</li> <li>1 User Manual</li> <li>1 Stool</li> </ul>				
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	<b>B. Wireless Link Backbone</b>				
	<b>Antenna Mast</b> Heavy Duty 60Ft with complete accessories Includes other necessary accessories for installation.	2	<b>unit</b>		
	<b>Tower Lightning Arrester (Conventional)</b> <i>Technical Specifications:</i> Full Set Lightning rods outdoor, engineering ground wire, ground rod copper lightning protection, stainless steel lightning rod. Includes other necessary accessories for installation.	2	<b>unit</b>		
	<b>Wireless broadband connectivity</b> <i>Technical Specifications:</i>  Channel Spacing: Configurable on 5 MHz increments  Frequency Range: 2.4 GHz Model: 2402 – 2472 MHz 5GHz Model 4910 - 5970 MHz  Channel Width: 5   10   20   40 MHz  Proprietary Physical Layer: 2x2 MIMO/OFDM  Ethernet Interfaced: 10/100/1000 BaseT, Compatible with Cambium PoE & Standard PoE pinouts  Protocols Used: IPv4/IPv6 (Dual Stack), UDP, TCP, ICMP, SNMPv2c, NTP, STP, IGMP, SSH  Network Management: IPv4/IPv6, HTTPs, SNMPv2c, SSH, Cambium Networks CnMaestro™  VLAN: 802.1Q with 802.1p priority  ePMP 5 GHz Force 200AR5-25 High Gain Radio (ROW) (with cord)  Includes other necessary accessories for installation.	2	<b>unit</b>		
	<b>High Gain Antenna System</b> Includes other necessary accessories for installation.	2	<b>unit</b>		
	<b>Cat 6 FTP outdoor cable</b> <i>Technical Specifications:</i>  • 305meters  • FTP Foiled Twisted Pair  • Number of Pairs - 4  Total Number of Conductors - 8  • PO-Polyolefin	2	<b>roll</b>		

<ul style="list-style-type: none"> <li>• 23 AWG</li> <li>• 305m(1000ft)</li> <li>• U/V Resistant and Water Proof HDPE insulated LDPE Jacket</li> <li>• Polyethylene (PE) for Indoor/Outdoor with Heavy-Duty flexible double jacket to protect against cuts, scraps and tearing</li> </ul> <p>Includes other necessary accessories for installation.</p>				
NTC Licenses	2	lot		
Connectors and Catenaries	2	lot		
Cable Management, Tagging and Labeling	1	lot		
Testing Commissioning and Supervision	1	lot		
Mobilization and Demobilization	1	lot		
Installation Labor	1	lot		
<b>C. Voice Over Internet Protocol (VoIC)</b>				
<p><b>VoIP Communication Server</b>  <b>Technical Specifications:</b>  50 end point licenses, 8 trunk, 2.4 Ghz 12 C, 64GB RAM, 2TB storage  Includes other necessary accessories for installation.</p>	1	unit		
<p><b>IP Phone</b>  <b>Technical Specifications:</b>  • FSTN Monochrome 128 x 32 Pixel Display (56 x 14.5mm)  • Single Line Phone, Supports Two Concurrent Calls  • Recent Call Log (100 entries)/Aura Contact List (250 entries)  • Built-In Volume Boost For Hearing Impaired  • 3x Context Sensitive Soft Keys  • Full Duplex Speakerphone  • Dual 10/100 Ethernet Ports  • Transfer/Hold  • Park/Unpark Calls  • Conference Calling  Includes other necessary accessories for installation.</p>	30	unit		
<p><b>UPS (Uninterruptible Power Supply)</b>  <b>Technical Specifications:</b>  Max Configurable Power (Watts): 1.98kWatts / 3kVA  Output Voltage Distortion: Less than 5 % at full load  Output Frequency (sync to mains): 47-53 Hz - 50 Hz nominal Sync to mains  57-63 Hz - 60 Hz nominal Sync to mains  Topology: Line interactive</p>	1	unit		

	Waveform type: Sine wave Transfer Time: 6 ms typical : 10 ms maximum Input frequency   Typical recharge time: 50/60 Hz +/- 3 Hz Auto-sensing   3 Hours Interface Port(s)  Emergency Power Off: SmartSlot   Yes Surge energy rating: 365 Joules				
	<b>Passive components</b> Patch Panels, IDF Cabinets, Connectors Includes other necessary accessories for installation.	1	lot		
	<b>IP Phone Cabling</b> Includes other necessary accessories for installation.	1	lot		
<b>3</b>	<b>Multimedia Equipment and Facilities</b>	<b>1</b>	<b>Lot</b>	<b>10,033,850.00</b>	<b>60 days</b>
	<p><b>All in One Teaching</b> <i>Technical Specifications:</i></p> <p>Interactive Teaching Device (convert TV to Interactive Whiteboard)</p> <p>Built in computer</p> <p>Interactive Camera (touch screen experience)</p> <p>Eyeris, built in 3D dual band optical</p> <p>Wireless touch support</p> <p>Embedded OS Android version</p> <p>Simultaneous touch point 10#</p> <p>Built-in Wi-Fi IEEE 802.11a/b/g/n (Dual Band)</p> <p>Accuracy +/- 2px</p> <p>Ambience light resistance technology</p> <p>830nm +/-20 &amp; 650nm +/-20</p> <p>dual band tracking technology (visible and IR band)</p> <p>Tracking speed and response time</p> <p>120 FPS (an be extended up to 200 FPS)</p> <p>195 million dots/sec</p> <p>Calibration Technology (Automatic or Manual)</p> <p>Stylus power requirement Super-capacitive technology with</p> <p>3minuts charging time through USB</p>	3	unit		

	<p>IWB Suite Built in AI teach for windows and Mc Cross platform support (BYOD) and Wireless Collaboration, document upload</p> <p>Android, Mc and Windows capable</p> <p>Easy Sharing Share notes via QR code</p> <p>Connectivity I/O HDMI, USB 2.0, USB 3.0</p> <p>Micro SD, OTG, Mi</p> <p>Includes other necessary accessories for installation.</p>				
	<p><b>Pro Interactive Teaching Device</b>  <i>Technical Specifications:</i></p> <p>(convert flat surface to Interactive Whiteboard)</p> <ul style="list-style-type: none"> <li>• Eyeris PRO when installed on the projector turns the screen into an interactive wireless digital whiteboard with scribbling, wired/wireless white-boarding tools, screen casting &amp; touchback functionality.</li> <li>• Support both Stylus Touch and Finger</li> <li>• Touch v2.0 is an advanced surface-Independent finger-touch</li> </ul> <p>Interactive system providing superior smart phone-like gesture-touch experience.</p> <p>Includes other necessary accessories for installation.</p>	3	<b>unit</b>		
	<p><b>65” Smart TV Display</b>  <i>Technical Specifications:</i></p> <ul style="list-style-type: none"> <li>• Display Type: Smart LED</li> <li>• Technology: Ultra HD: 2160p</li> <li>• Resolution: 3840 x 2160 Pixels</li> <li>• Motion Rate: 60Hz</li> <li>• Processor: Quad Core</li> <li>• Aspect Ratio: 16:9</li> <li>• Digital TV Reception: DVB-T2</li> </ul>	3	<b>unit</b>		
	<p><b>Short Throw Projector</b>  <i>Technical Specifications:</i></p> <ul style="list-style-type: none"> <li>• Projection Technology: RGB liquid crystal shutter projection system (3LCD)</li> <li>• White Light Output (Normal/Eco):3,400lm / 1,900lm</li> <li>• Colour Light Output:3,400lm</li> <li>• Contrast Ratio:16,000:1</li> <li>• LCD: Size; 0.59” with MLA (D8)</li> <li>• Native Resolution; WXGA</li> <li>• Video Output: Monitor Out; 1</li> <li>• Lens: Type; No Optical Zoom / Focus (Manual)</li> <li>• F-Number; 1.6</li> <li>• Focal Length; 6.4 mm</li> <li>• Zoom Ratio; 1.0 - 1.35 (Digital Zoom)</li> <li>• Throw Ratio; 0.48 - 0.65 (Wide - Tele)</li> </ul>	3	<b>unit</b>		



	<ul style="list-style-type: none"> <li>• Lamp: Life (Normal/Eco)*1; 5,000 hours / 10,000 hours</li> <li>• Type; 215W UHE</li> <li>• Analog Input: D-Sub 15 pin; 2 (Blue)</li> <li>• Composite; RCA x 1 (Yellow)</li> <li>• S-Video; 1</li> <li>• Digital Input: HDMI; 1</li> <li>• USB Type A:1 (for USB Memory, USB Document Camera, Wireless LAN, Firmware Update, Copy OSD Settings)</li> <li>• USB Type B:1 (for USB Display, Mouse, K/B, Control, Firmware Update, Copy OSD Settings)</li> <li>• Microphone Input: Stereo Mini Jack; 1</li> <li>• Sound Output:16W Monaural</li> </ul>				
	<p><b>Board Scan</b>  <b>Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>• Boardscan converts handwritten content on Greenboard/ Whiteboard into digital text, which can be further saved, downloaded and shared</li> <li>• Ma. Whiteboard/Greenboard</li> <li>• size supported – 6ft x 4ft</li> <li>• Resolution 3840 x 2160</li> <li>• Sensitivity 1000Mv/Lux-sec-sec</li> <li>• Shutter Electronic rolling shutter</li> <li>• Includes other necessary accessories for installation.</li> </ul>	3	<b>unit</b>		
	<p><b>HDMI Extender (up to 70m)</b></p>	3	<b>piece</b>		
	<p><b>Lapel - Microphone</b>  <b>Technical Specifications:</b>  Type: Electret Condenser  Frequency Response: 50 to 20,000 Hz  Polar Pattern: Unidirectional (Cardioid)  Output Impedance @ 1 kHz: typical 600 Ω  Audio Output Level: -43.5 dBV/Pa  Signal-To-Noise Ratio@ 1 kHz: 72 dB  Maximum SPL 1000 Ω load, @ 3% THD: 139.0 dB  Dynamic Range@ 1 kHz, 1000 Ω load: 117.0 dB  Equivalent Output Noise Typical, A-Weighted: 22 dB  Power Requirements : +5 V DC (nominal), 10 V maximum (DC bias)</p>	3	<b>unit</b>		
	<p><b>Amplifier</b>  <b>Technical Specifications:</b>  Power Output (at 4Ω): RMS 240W / MAX 330W  Frequency Response: 80Hz - 16kHz ± 3 dB  Power Supply: AC: 115~230V 50/60Hz switchable, DC 24V  Input / Sensitivity: MIC: -52dBv balanced  Phantom: -52dBv 24V balanced  Line: -10dBv unbalanced  AUX: -6dBv balanced  AMP in: 0dBv unbalanced  Tel: -10dBv balanced  THD &lt;0.1%  S/N Ratio MIC &gt; 65dB / AUX &gt; 80dB / Phone &gt; 65dB / Line &gt; 75dB  Output (Ω) 4Ω  Output (V) 25V, 70V, 100V</p>	3	<b>unit</b>		

	<p>Zone out 4 zone paging selection Z1 ~ Z4: 100V (333Ω)          Controls 4 INPUT volume          1 AUX volume          1 MASTER volume          2 Treble / Bass          Tel input &amp; Monitor          4 Zone out selector switch          BGM Module MP3-300 MP3 player          Dimension (W x D x H) 420 x 260 x 88 mm (16.5'' x 10.2'' x 3.5'')</p> <p>Weight 11 kg (24.4 lbs)</p> <ul style="list-style-type: none"> <li>• Includes other necessary accessories for installation.</li> </ul>				
	<p><b>12-CH HD Portable Video Streaming Studio</b>  <i>Technical Specifications:</i>          Hand-carry Portable Production Unit, designed as a suitcase providing;</p> <ul style="list-style-type: none"> <li>• 12-CH 3G/HD Input Digital Video Switcher w/ XPT assignment, MIX, WIPE (32 patterns), DVE &amp; CUT effects, 4x USK (ChromaKey), up to 8x PiP (w/ 4x FlexSource), 2x DSK (Key &amp; Fill), built-in CG interface w/ CG-200, 2x static/animated logos configurable, supports stinger transition for live sports application,</li> <li>• with a built-in 17.3'' FHD monitor, a H.264 Streaming Encoder/Recorder for simultaneously live streaming &amp; recording.</li> <li>• 12 Video Input: 8x SDI and 4x HDMI (up to 1080p 50/60) 9</li> </ul> <p>Video Output: 5x SDI (assignable) and 1x HDMI assignable + 3x HDMI (Program OUT only)</p>	3	<b>unit</b>		
	<p><b>Camera with Tripod and mounting equipment and cables</b>  <i>Technical Specifications:</i></p> <ul style="list-style-type: none"> <li>• 4K-HDMI UHD PTZ Camera (2160p/1080p/1080i/720p) -Black</li> </ul> <p>3G-SDI &amp; 4K-HDMI output PTZ Camera, supports HEVC &amp; H.264 encoding, 1/2.5'' CMOS sensor 8.51Megapixels, 12x Optical zoom *16x Digital, (c/w IR Remote control), RS-422 Sony VISCA /Pelco-D/Pelco-P/DVIP control (c/w Ceiling mount bracket) Optional 4-CH Camera remote controller Datavideo RMC-180, RMC-300</p> <ul style="list-style-type: none"> <li>• Includes other necessary accessories for installation.</li> </ul>	9	<b>unit</b>		
	<p><b>Universal Remote Control Panel for Cameras</b>  <i>Technical Specifications:</i>          DVIP Multi-Camera Controller (up to 24 Cameras Control)          In-Built with 5'' LCD touch panel to control up to 24 Camera thru DVIP, 7 preset for each camera (NO Tablet is</p>	3	<b>unit</b>		

	<p>required)  Compatible with : PTC-280/PTC-150 series/PTC-140 series/BC-80  • Includes other necessary accessories for installation.</p>				
	<p><b>HD Block Camera with Camera Controller and Tripod</b>  <i>Technical Specifications:</i>  3G/HD Block Camera (1080p/1080i/720p) - Black  3G HD-SDI &amp; HDMI output Block Camera up to 1080p50/60  (c/w IR Remote control), 1/2.8" 2.0Megapixels CMOS sensor,  30x optical zoom, Tally LED design, RS-422 Sony VISCA control &amp; DVIP control protocol Optional 4-CH Camera remote controller Datavideo RMC-180 or RMC-300A  • Includes other necessary accessories for installation.</p>	3	<b>unit</b>		
	<p><b>Robotic Pan Tilt Head</b>  <i>Technical Specifications:</i>  Robotic Pan Tilt Head (Transform camera into a PTZ cam)  Support SDI, HDMI signals, built-in Tally, 50 preset Pan/Tilt,  Control up to 1200M via RS-422; 100m via DVIP  Compatible  Block Camera : Datavideo Block Camera, LANC Cam, BX Lens  Cam Compatible Controller: IR Control, VISCA control, RS-232, RS-422, RMC-180, RMC-300C, RMC-300A, RMC-280 (TVS), Ethernet (DVIP)  • Includes other necessary accessories for installation.</p>	3	<b>unit</b>		
	<p><b>Rack Mountable 8 Channels Intercom System</b>  <i>Technical Specifications:</i>  8-way IP Intercom/communication and tally light system  Single wired communication system, power over Ethernet up to 8 Beltpack (inc. 1x Gooseneck Light, 1x Gooseneck Mic,  4 sets ITC-300SL Beltpack set) Optional: VP-300R Repeater  up to 200M/CH (Max: 4x VP-300R per ITC-300),  Monuaral/Binaural Headset  • Includes other necessary accessories for installation.</p>	1	<b>unit</b>		
	<p><b>3D Tracking VR/AR 4K Virtual Studio System</b>  <i>Technical Specifications:</i>  4K 3D AR Tracking Virtual Studio System  (2160p/1080p/1080i/720p)  Video input: 4K mode (2x 6G-SDI or 1x 12G-SDI) ; HD mode (3x 3G-SDI) Video output: 4K mode (1x HDMI 2.0) ;  HD Mode (1x HDMI + 4x 3G-SDI) Support Chromakey up  to 8-CH, H.264/H.265/MPEG-2 recording, streaming via RTMP, RTMPS, RTSP, TS over UDP, TS over TCP  *Comes  with 2x Tracker + 1x Base station, 1x 500GB HDD</p>	1	<b>unit</b>		

	<p>Media Cartridge *Pre-installed with 10 set virtual background • Includes other necessary accessories for installation.</p>				
	<p><b>Large Screen Prompter Kit and Tripod</b> <i>Technical Specifications:</i> 20/22/24 inch Professional teleprompter • Suitable for all kinds of tripod with professional camera tripod and matching wheel • Self-reversing 20/22/24 inch HD monitor support VGA, HDMI, AV USB video direct input; • The monitor and software can support PPT, Word, PDF, JPG, RTF, TXT and other computer-supported formats as prompt content. • The teleprompter with whole auto-balance by adjustment without counter weight. • The teleprompter with 30-90 angle for each speaker have a perfect comfortable angle as height. • The control mode supports wireless remote control and wireless mouse and keyboard, laser pointer. • The bracket fit for all kinds of camcorder by adjust the height and place. • Ultra-thin 2mm imported Beam splitter, accurate beam splitting ratio 70/30 or 60/40, clear and unbiased text, no shadow on camera shooting, making the announcer's reading easy and enjoyable. • Similar offer professional teleprompter software and driver dongle. The software support all kinds of language and format. • The professional teleprompter have 2 HD monitor. one is with self-reversing HD monitor and talent monitor in studio. • Includes other necessary accessories for installation.</p>	2	<b>unit</b>		
	<p><b>Green Color Plastic Mat</b> 1.8M x 54M Green Color Plastic Mat -Wall use • Includes other necessary accessories for installation.</p>	2	<b>piece</b>		
	<p><b>4 Input HD Digital Video Switcher</b> <i>Technical Specifications:</i> Video Standard: HD Video Format: 1080i 50/59.94/60Hz, 720p 50/59.94/60Hz Video Processing SDI: 4:2:2 HDMI: YUV 4:2:2 10 bit, RGB: 4:4:4 Input Routable/Crosspoint: All 4, repeatable Video Input: 2x HD-SDI; 2x HDMI Computer Graphic Interface: 2 via HDMI Video Output: 2 x HDMI (1 is MV, 1 is Assignable) 1 x HD-SDI (Assignable) Built-in Multi-view Monitoring Out: HDMI &amp; SDI assignable Analogue Audio Input: 1 x Stereo RCA (L/R) 2 x Mono Microphone Analogue Audio Output : 1 x Stereo RCA (L/R) 1 x Stereo headphone (Mini Jack with volume control) Digital Embedded Audio Support: Input 2 channels, Output 2 channels A+V Switching: Yes Chromakey: 2</p>	1	<b>unit</b>		

	<p>USK: 2x Keyer support Chromakey/Linear/Luma Key  DSK: 1x DSK support Lumakey/Linear key (Key / Fill)  Picture in Picture: 1  Logo Insertion: 1  Still Store: 500  Effects: FTB, Cut, 32 Wipe with border  Transition Preview: Full transitions preview  Tally Output: 1x D-sub 15pin, dual color  PC Remote Control: DVIP (Ethernet)  Built-in Audio Mixer: 4 channels  • Includes other necessary accessories for installation.</p>				
	<p><b>H.264 Video Streaming Encoder and MP4 Recorder</b>  <i>Technical Specifications:</i>  HDR 1 - Standalone H.264 USB Recorder/Player  Video Standard: HD &amp; SD  Video Format: 1080p 50/60; 1080i 50/60; 720p 50/60  480i/480p/576i/576p  Supported Video Input Signal: 1x HDMI  Monitoring / Playback Output: 1x HDMI  Embedded Audio: 2ch pcm  Storage Medium: USB Flash Drive  Estimated Record Time (min per 10GB)  SD 16GB: 4.2Hr (7.5Mbps)~ 10Hr (3Mbps)  HD 16GB: 1.5Hr (20Mbps)~ 2Hr (15Mbps)  Recording Media: USB Flash Drive,  SD Card (USB adapter required): HDD/ SSD (via  USB2.0)  Storage File System: NTFS  Recorded File Format: MP4 (H.264+ AAC)  Video Recording Bit Rate / Color Sampling: YUV 4:2:0 /  12bit  Audio Recording Format: AAC 2CH,  16bit 48KHz 128Kbps  External Control: RS-232 (Dsub 9pin), GPI (3.5Ø phone  jack)  • Includes other necessary accessories for installation.</p>	1	<b>unit</b>		
	<p><b>Dual 10" Full HD Desktop Monitor</b>  <i>Technical Specifications:</i>  Screen: Dual 10.1" LCD  Chassis: 4RU Rack Mount  Resolution: 1280x800  Viewing Angle: (H) +85/-85°; (V) +85/-85°  Luminance/Contrast: 300cd/m<sup>2</sup>; 800:1  Video Inputs: 2x 3G/HD/SD-SDI; 2x HDMI  Loop Through: 2x 3G/HD/SD-SDI; 2x HDMI  Supported Input Resolutions:  1080p(23.98/24/25/29.97/30/50/59.94/60Hz),  1080i(50/59.94/60Hz),  720p(23.98/24/25/29.97/30/50/59.94/60Hz),  480i(NTSC), 576i(PAL)  Aspect Ratio: 16:9, 4:3  Tally LED:  Live (Red)  Cued (Green)  Audio In/Out: Embedded Audio on SDI and HDMI  Headphone Jack</p>	1	<b>unit</b>		

	<p><b>Complete Lighting System Set for Green Screen and the subject</b>  <b>Technical Specifications:</b>  - 12pcs Photography Studio Lighting Kit with 80W 5600K CRI 97+ Stepless Dimmable Fresnel LED Video Light + 22 Inches Softbox + 2M Light Stand  - 12 pcs Dimmable Bi-color LED Video Panel Light and 70inch tripod Stand Lighting Kit CRI97+ TLCI97 3200-5600K Aluminum Alloy Housing with U-Bracket Interview Film-making and 2 battery pack  - 3 pcs 150W RGB LED Video Light 3200K-5600K Bi-color Dimmable Studio Video Spotlight 8 Modes of Lighting Scenes Continuous Output Lighting for Studio Shooting Interview Live Streaming with aluminum alloy tripod  - 6 pcs Original RGB LED Video Light Full Color CRI TLCI 95+ Bi Color 3200K~5600K Adjustable for Studio Photography with 2 battery pack, aluminum alloy stand, Barn-Door &amp; Bag  - 3 pcs 192 Channels Light Controller Console  - 12 pcs Big Dipper 54LED 3W 3in1 RGB Full Color Led Par Light with 3 light stand, 3pcs 10meters wire, 12pcs 1 meter wire  • Includes other necessary accessories for installation.</p>	1	lot		
	<p><b>SDI Cable 100 meters</b></p>	3	piece		
	<p><b>Heavy Duty HDMI Active Optical Cable 100meters</b></p>	3	piece		
	<p><b>4K HDMI fiber extender repeater with IR control up to 20KM support 1 transmitter to N receivers</b></p>	10	unit		
	<p><b>Wireless Microphone Channel Professional UHF</b>  <b>Technical Specifications:</b>  4 Channel Professional UHF Wireless Microphone System 2 Wireless Handheld &amp; 2 Wireless Headset Microphone/Lavalier Lapel Microphone with Body pack Transmitter &amp; UHF Diversity Receiver, Suitcase Package,4x100 Channels Adjustable Frequency with rechargeable battery and charger</p>	5	unit		
	<p><b>Up/Down/Cross Converter</b>  <b>Technical Specifications:</b>  3G SDI/HDMI/VGA Up/Down/ Cross Converter (3G supported, up to 1080 50P/59.94P/60P) (Reclock &amp; Equalizer), 3G/HD/SD-SDI/HDMI/VGA In to HDMI/SDI  UpDown Cross Converter with 11 selectable output format between SD, HD &amp; 3G resolutions up to 1080p60, support 8-CH embedded audio (SDI/HDMI) or replace the audio by RCA input, scales, converts, and outputs video to 3 ports (2x SDI &amp; 1x HDMI) simultaneously  • Includes other necessary accessories for installation.</p>	4	unit		

	<b>HDMI to USB 3.0 Capture Box</b> <i>Technical Specifications:</i> Data Video Plug-n-Play HDMI-USB Capturing device supports up to 1080p60. With Audio Input and embedded in HDMI. Included an HDMI mini to HDMI Cable. Compatible Software: -> Streaming: OBS, Vmix, WireCast (up to 1080p) -> Social Media: YouTube, Facebook (up to 1080p) -> Video Conferencing (VC): ZOOM, Skype, Google Meet, Microsoft Teams (up to 720p) • Includes other necessary accessories for installation.	4	<b>unit</b>		
	<b>Dual Side Headset with 3.5mm Jack</b> <i>Technical Specifications:</i> Binaural Headset (3.5mm plug) Professional Binaural Headset/Microphone for ITC-100 (two ear) • Includes other necessary accessories for installation.	2	<b>piece</b>		
	<b>AV Wall Bracket</b> <i>Technical Specifications:</i> Max. Load: 165 lbs (75 kg) Display Sizes: 37" to 90" VESA: 100x100 to 800x400 Material: Steel Product Weight: 2.0 kg Shipping Weight: 2.3 kg Shipping Dimension (LxWxH) : 860x160x30 mm	3	<b>piece</b>		
	<b>Wall Speaker</b> <i>Technical Specifications:</i> System type: Surface Mount Speaker Transducers: 1 x 4" full range speaker Rated: 40W Frequency response: 100Hz – 20kHz Sensitivity: 74dB (1W, 4m) Cable Connection: Push-in terminals (steatite) x 2 with 6mm speaker cable and proof cover • Includes other necessary accessories for installation.	3	<b>unit</b>		
	<b>Heavy Duty Ultra SD Card</b> Memory 64GB	10	<b>piece</b>		
	<b>Materials and Installation for Sound Proof rooms, with floor carpets and acoustic panels</b> State of the Art acoustically designed audio/visual, multimedia recording room, includes artistic ceiling design with lightings, walls and floorcoverings.	3	<b>lot</b>		
	<b>Training on multimedia equipment operations</b>	4	<b>lot</b>		
<b>4</b>	<b>ICT Equipment and Software</b>	<b>1</b>	<b>Lot</b>	<b>2,300,000.00</b>	<b>60 days</b>

	<b>Laptop for Network Configuration</b> <i>Technical Specifications:</i> 14" Monitor, 11th Generation, 16GB DDR4 512SSD 2GB MX350) Licensed Windows 10, License Office 2019, With Wireless Mouse, Headset and Laptop Bag • Includes other necessary accessories for installation.	3	<b>unit</b>		
	<b>Laptop for Multimedia</b> <i>Technical Specifications:</i> CPU: 11th Generation (12MB Cache, up to 4.5 GHz,) <ul style="list-style-type: none"> <li>- Monitor: 15.6" 4K UHD (3840 x 2160) OLED Infinity Edge Anti-Reflective Non-Touch 100%; DCI-P3 400-Nits display</li> <li>- Palmrest for 80-key (Finger Print)</li> <li>- RAM: 32GB DDR4-2666MHz, 2x16GB</li> <li>- Storage: 1TB M.2 PCIe NVMe Solid State Drive</li> <li>- Charger: 130W Power Adapter; Power Cord (Philippines)</li> <li>- Battery: 6-Cell 97Whr Integrated Energy Star Label; Regulatory label</li> <li>- Graphics: GTX 1650 4GB GDDR5</li> <li>- WiFi adaptor: Wi-Fi 6 AX1650 (2x2)</li> <li>- Bluetooth 5.0</li> <li>- OS: Windows 10 Pro (64bit) English Licensed</li> <li>- License MS Office 2016</li> <li>- With Wireless Mouse, Headset and Laptop Bag</li> <li>• Includes other necessary accessories for installation.</li> </ul>	2	<b>unit</b>		
	<b>Computer Desktop with Complete Accessories</b> <i>Technical Specifications:</i> Desktop G21CX-PH008T (Black) -11th Generation, 16GB RAM 1TB HDD+512G PCIE SSD RTX2080-8GB SuperMulti DVD Windows 10 OS and MS Office licensed, inclusion of Full HD 32 inches LED UPS 1000 Watts <ul style="list-style-type: none"> <li>- With Optical Mouse</li> <li>- With Wired Keyboard</li> <li>- With 1Y Basic Onsite Service-Emerging DBS</li> <li>• Includes other necessary accessories for installation.</li> </ul>	7	<b>unit</b>		
	<b>Licensed Adobe CC Software</b> Premier Pro, After Effects, Audition, Photoshop	4	<b>lot</b>		
	<b>Licensed Corel Video Studio Software</b>	4	<b>lot</b>		

**TERMS AND CONDITIONS:**

To ensure the success of the project implementation and after sales support, the bidders must submit and meet the following qualifications:

1. All supplies, equipment, instrument must pass Quality Control Standards.
2. Bidders must have Field/Area Technician to assure technical response time whenever problem arises.
3. Bidders must have local Certified Safety Engineer 2 (SO2) employed in the company, Certified by DOLE to ensure proper safety during project implementation.



4. Bidders must have at least 1 expert licensed ECE Engineer employed in the company for at least 5 years to supervised the project implementation.
5. Bidders must have PCAB-C for communications permit certificate.
6. Provide 24/7 support and availability of products (Active and Passive).
7. Provide 1-year warranty on workmanship and shall commence upon acceptance of the completed project.
8. Provide end user training after project completion of delivery and acceptance at Agusan del State College of Agriculture and Technology (ASSCAT). If travelling is prohibited due to pandemic, online After Sales Training may be allowed provided that on site After Sales Training be also provided once travel ban is lifted.

***Note: Interested bidders for Lot 1, 2 and 3 must bring with them a Technical Personnel during the Pre-bid Conference for location visit/site visit.***

[Use this form for Framework Agreement:]

## ***Framework Agreement List***

Limited to repeatedly required goods and services that are identified to be necessary and desirable, but, by its nature, use or characteristic, the quantity and/ or exact time of need cannot be accurately pre-determined and are not advisable to be carried in stock.

Prepared by the End-User, attached to the APP and submitted to the BAC for the approval of the HOPE.

<b><i>FRAMEWORK AGREEMENT LIST (AGENCY)</i></b>			
<b><i>Item / Service Type and nature of each item/service</i></b>	<b><i>Cost per item or service</i></b>	<b><i>Maximum Quantity</i></b>	<b><i>Total Cost per Item</i></b>
<b><i>TOTAL (Approved Budget for the Contract)</i></b>			
<i>Expected delivery timeframe after receipt of a Call-Off.</i>	<i>Within [no. of days] calendar days upon issuance of Call-off.</i>		
<i>Remarks</i>	<i>Indicate here any other appropriate information as may be necessary.</i>		
<b><i>SIGNATURE OVER PRINTED NAME</i></b>	<b><i>POSITION</i></b>	<b><i>DEPARTMENT/DIVISION</i></b>	

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

### **Notes for Preparing the Technical 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 their Bids. In the context of Competitive Bidding, the specifications (*e.g.* production/delivery schedule, manpower requirements, and after-sales service/parts, descriptions of the lots or items) must be prepared 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 transparency, equity, efficiency, fairness, and economy in procurement be realized, responsiveness of bids be ensured, and the subsequent task of bid evaluation and post-qualification facilitated. The specifications should require that all items, materials and accessories to be included or incorporated in the goods be new, unused, and of the most recent or current models, and that they include or incorporate all recent improvements in design and materials unless otherwise provided in the Contract.

Samples of specifications from previous similar procurements are useful in this respect. The use of metric units is encouraged. Depending on the complexity of the goods and the repetitiveness of the type of procurement, it may be advantageous to standardize the General Technical Specifications and incorporate them in a separate subsection. The General Technical Specifications should cover all classes of workmanship, materials, and equipment commonly involved in manufacturing similar goods. Deletions or addenda should then adapt the General Technical Specifications to the particular procurement.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for equipment, materials, and workmanship, recognized Philippine and 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 equipment, materials, and workmanship that meet other authoritative standards, and which ensure at least a substantially equal quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the Special Conditions of Contract or the Technical Specifications.

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

Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest edition or revision of the relevant standards and codes 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 substantial equivalence to the standards and codes specified will be acceptable.

Reference to brand name and catalogue number should be avoided as far as possible; where unavoidable they should always be followed by the words “*or at least equivalent.*” References to brand names cannot be used when the funding source is the GOP.

Where appropriate, drawings, including site plans as required, may be furnished by the Procuring Entity with the Bidding Documents. Similarly, the Supplier may be requested to provide drawings or samples either with its Bid or for prior review by the Procuring Entity during contract execution.

Bidders are also required, as part of the technical specifications, to complete their statement of compliance demonstrating how the items comply with the specification.

# Technical Specifications

<b>Lot Item No.</b>	<b>Specification</b>	<b>Statement of Compliance</b>
<b>1</b>	<b>Internet Subscription</b>	
<b>2</b>	<b>Network Connectivity Equipment and Facilities</b>	
<b>3</b>	<b>Multimedia Equipment and Facilities</b>	
<b>4</b>	<b>ICT Equipment and Software</b>	

[Use this form for Framework Agreement:]

## *Technical Specifications*

<b>TECHNICAL SPECIFICATIONS</b>			
<b><i>Item / Service</i></b>	<b><i>Maximum Quantity</i></b>	<b><i>Technical Specifications / Scope of Work</i></b>	<b><i>Statement of Compliance</i></b>
			<p><i>[Bidders must 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. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution.]</i></p>

## ***Section VIII. 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);  
**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

- (e) 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**
- (f) 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**
- (g) 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**
- (h) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
  - (i) Copy of Supplemental Bid published in the PhilGEPS (if any); **and**
  - (j) Notarized Affidavit of Site Inspection **and**
- (k) Original duly signed Omnibus Sworn Statement (OSS);  
**and** if applicable, Original Notarized Secretary’s Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

#### Financial Documents

- (l) 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**



- (m) 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***

- (n) 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.

***Other documentary requirements under RA No. 9184 (as applicable)***

- (o) *[For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos]* Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.
- (p) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.
- (q) Authority of the Signatory (if applicable)

**II. FINANCIAL COMPONENT ENVELOPE**

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

