The background of the page features a large, faint, circular seal of Bulacan State University. The seal contains the university's name in English and Filipino, along with the founding year 1961 and the location Malolos, Bulacan. In the center of the seal is a shield with various symbols, including a book and a torch.

# PROCUREMENT OF BULSU IP TELEPHONY AND CABLING SYSTEM PROJECT

(ABC:P6,800,000.00)

Project Reference No. Infra-2013-08

## **Checklist of Eligibility Requirements for Bidders**

### **I. ELIGIBILITY AND TECHNICAL COMPONENT ENVELOPE**

The Eligibility Documents shall be consisted of the following:

#### **A. ELIGIBILITY DOCUMENTS**

##### **1. CLASS "A" DOCUMENTS**

- ☐ Registration certificate from SEC, DTI for sole proprietorship, or CDA for Cooperatives, or any proof of such registration, as stated in the BDS. (12.1. a.i.);
- ☐ Valid Mayor's permit issued by the city or municipality where the principal place of business of the prospective bidder is located.(12.1.a.ii);
- ☐ Duly signed Statement of all its ongoing and completed government and private contracts within three (3) years from the submission of bids, including contracts awarded but not yet started (12.1.a.iii):
- ☐ Valid ISO Certification (System Integrator) (12.1.a.iv);
- ☐ Audited financial statements, stamped "received" by the BIR or its duly accredited and authorized institutions, for the immediately preceding calendar year, which should not be earlier than two (2) years from bid submission.;
- ☐ NFCC Computation or CLC in accordance with ITB Clause 5.5

##### **2. CLASS "B" DOCUMENTS**

- ☐ If applicable, the 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 (12.1.a.vi);

#### **B. TECHNICAL DOCUMENTS**

- ☐ Original copy of Bid security in accordance with ITB Clause 18
- ☐ Project requirements to include the following (12.1.b.ii):
  - a. List of contractor's personnel (Licensed Professional Electronics/Electrical Engineer & Technicians), to be assigned to the contract to be bid, with their complete qualification and experience data; and
    - ☐ Site Inspection Certificate issued by BULSU
    - ☐ Statement of Conformity with Technical Specifications
- ☐ Sworn statement in accordance with Section 25.2(a)(iv) of the IRR of RA 9184 and using the form prescribed in Section VIII. Bidding Forms; (12.1(b)(iii)). (omnibus sworn statement)

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

- ☐ Duly signed Financial Bid Form
- ☐ Duly signed and priced Bill of Quantities
- ☐ Duly signed and priced Detailed Estimates
- ☐ Soft copy in compact disc (CD) of the duly priced Bill of Quantities & Detailed Estimates using Microsoft Excel

#### **NUMBER OF COPIES OF TECHNICAL COMPONENT AND FINANCIAL COMPONENT IN SEPARATE ENVELOPES**

One (1) original copy marked "ORIGINAL TECHNICAL COMPONENT" and "ORIGINAL FINANCIAL COMPONENT"

Two (2) additional copies marked "COPY NO. 1 – TECHNICAL COMPONENT" and: "COPY NO. 1 – FINANCIAL COMPONENT" "COPY NO. 2 – TECHNICAL COMPONENT" and: "COPY NO. 2 – FINANCIAL COMPONENT"

The Bidder is responsible to double check the full description of above requirements in the bidding documents issued by the Procuring Entity.

The bidders are required to provide a Table of Contents and corresponding tab/label for each submitted technical and financial components to help ensure completeness of submission by the bidders and facilitate examination by the BAC

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Republic of the Philippines  
**BULACAN STATE UNIVERSITY**  
City of Malolos, Bulacan

**INVITATION TO BID FOR THE  
PROCUREMENT OF BULSU IP TELEPHONY AND CABLING SYSTEM PROJECT  
(INFRA-2013-08)**

The BULACAN STATE UNIVERSITY, through its Bids and Awards Committee (BAC), invites suppliers/manufacturers/distributors/contractors to apply for eligibility and to bid for the hereunder project:

Name of Project : **Procurement of BulSU IP Telephony and Cabling System Project**

Location : Bulacan State University, City of Malolos, Bulacan

Brief Description : BulSU IP Telephony and Cabling System Project

ABC : **P 6,800,000.00**

Prospective bidders should have an experience of having completed within **three (3) years** from the submission of bids, a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the approved budget for the contract adjusted to current prices using the National Statistics Office consumer price index. The Eligibility Check/Screening as well as the Preliminary Examination of Bids shall use non-discretionary “pass/fail” criterion. Post-qualification of the lowest calculated bid shall be conducted.

All particulars relative to Eligibility Statement and Screening, Bid Security, Performance Security, Pre-Bidding Conference(s), Evaluation of Bids, Post-Qualification and Award of Contract shall be governed by the pertinent provisions of R.A. 9184 and its Revised Implementing Rules and Regulations (IRR).

The schedule of activities is listed, as follows:

Activities	Date/Time	Venue
1. Advertisement Period	July 15, 2013	PHILGEPS, BulSU website and premises.
2. Issuance of Bid Documents	July 15, 2013 to August 6, 2013, 8:00a.m.- 4:00 p.m.	Supply Office, CSSP Building, BulSU
3. Pre-bid Conference ( <i>which shall be open only to all interested bidders who have purchased the Bidding Documents</i> )	<b>July 25, 2013, 9:30 a.m.</b>	President’s Boardroom, 2 <sup>nd</sup> Floor Flores Hall, BulSU
4. Deadline of Submission and Opening of Bids	<b>August 08, 2013, 9:30 a.m.</b>	President’s Boardroom, 2 <sup>nd</sup> Floor Flores Hall, BulSU
5. Bid Evaluation & Post Qualification	Prescribed earliest possible period of action, R.A. 9184 Revised IRR	
6. Approval of Resolution of Award/Notice of Award		
7. Approval of Contract/Issuance of Notice to Proceed		

Bid Documents will be available to prospective bidders only upon presentation of Letter of Intent (LOI) and payment of a non-refundable amount of **TEN THOUSAND PESOS ONLY (P 10,000.00)** to the Bulacan State University Cashier, City of Malolos, Bulacan.

The Bulacan State University assumes no responsibility whatsoever to compensate or indemnify bidders for any expenses incurred in the preparation of the bid. Moreover, the Bulacan State University reserves the right to reject any or all bid proposal at any time prior to contract award, waive any formality in the bid requirements, declare the bidding a failure, or award the contract to the bidder whose offer is the most responsive, lowest calculated bid, and most advantageous to the government.

DANILO S. HILARIO, Ed.D.  
BAC Chairman



Republic of the Philippines  
**BULACAN STATE UNIVERSITY**  
City of Malolos, Bulacan

## **INVITATION TO BID FOR THE PROCUREMENT OF BULSU IP TELEPHONY AND CABLING SYSTEM PROJECT (INFRA-2013-08)**

The **BULACAN STATE UNIVERSITY**, through the Corporate Budget (Income) intends to apply the sum of **Six Million Eight Hundred Thousand Pesos Only (P6,800,000.00)** being the Approved Budget for the Contract (ABC) to payments under the contract for **PROCUREMENT OF BULSU IP TELEPHONY AND CABLING SYSTEM PROJECT (Infra-2013-08)**. Bids received in excess of the ABC shall be automatically rejected at bid opening.

The **BULACAN STATE UNIVERSITY** now invites bids for the **PROCUREMENT OF BULSU IP TELEPHONY AND CABLING SYSTEM PROJECT (Infra-2013-08)**. Completion of the Works is required **Thirty (30) calendar days upon receipt of Notice to Proceed**. Bidders should have completed, within **Three (3) years** from the date of submission and receipt of bids, a contract similar to this Project. The description of an eligible bidder is contained in the Bidding Documents, particularly in Section II. Instruction to Bidders.

Bidding will be conducted through open competitive bidding procedures using non-discretionary pass/fail criterion as specified in the Implementing Rules and Regulations (IRR) of Republic Act 9184 (RA 9184), otherwise known as the "Government Procurement Reform Act".

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least seventy five percent (75%) interest or outstanding capital stock belonging to citizens of the Philippines.

A complete set of Bidding Documents may be purchased by interested Bidders from the address below and upon payment of a nonrefundable fee for the Bidding Documents in the amount of **Ten Thousand Pesos only (P10,000.00)**.

*It may also be downloaded* free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the **BULACAN STATE UNIVERSITY**, provided that bidders shall pay the fee for the Bidding Documents not later than the submission of their bids.

The **BULACAN STATE UNIVERSITY** will hold a **Pre-Bid Conference on July 25, 2013, Thursday, 9:30 a.m.** at the **President's Boardroom, 2<sup>nd</sup> Floor Flores Hall, Bulacan State University, Guinhawa, City of Malolos 3000 Bulacan**, which shall be open only to all interested parties who have purchased the Bidding Documents.

Bids must be delivered to the address below on or before **August 08, 2013, Thursday, 9:30 a.m. at the President's Boardroom, 2<sup>nd</sup> Floor Flores Hall, BULACAN STATE**

**UNIVERSITY, Guinhawa, City of Malolos, 3000 Bulacan.** All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 18.

Bids will be opened in the presence of the bidders' representatives who choose to attend at the address below. Late bids shall not be accepted.

The BULACAN STATE UNIVERSITY reserves the right to accept or reject any bid, to annul the bidding process, and to reject all bids at any time prior to contract award, without thereby incurring any liability to the affected bidder or bidders.

For further information, please refer to:

*Elizabeth D. Sunga*  
*BAC Secretariat*  
*Bulacan State University*  
*Guinhawa, City of Malolos, 3000 Bulacan*  
*Tel. no.: (044) 796-2160*  
*Fax no. (044) 662-0455*  
*Website: bulsu.edu.ph*

**DANILO S. HILARIO, Ed.D.**  
**BAC Chairman**

# Section II.

## Instructions to Bidders

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## **A. General**

### **1. Scope of Bid**

1.1 The “BULACAN STATE UNIVERSITY as defined in the **BDS**, invites bids for the construction of Works, as described in Section VI. Specifications. The name and identification number of the Contract is provided in the **BDS**.

1.2 The successful bidder will be expected to complete the Works by the intended completion date specified in SCC Clause 1.16.

### **2. Source of Funds**

The BULACAN STATE UNIVERSITY has a budget or has applied for or received funds from the Funding Source named in the **BDS**, and in the amount indicated in the **BDS**. It intends to apply part of the funds received for the Project, as defined in the **BDS**, to cover eligible payments under the Contract for the Works.

### **3. Corrupt, Fraudulent, Collusive, and Coercive Practices**

3.1. Unless otherwise specified in the BDS, the BULACAN STATE UNIVERSITY, as well as bidders and contractors, shall observe the highest standard of ethics during the procurement and execution of the contract. In pursuance of this policy, the Funding Source:

- (a) defines, for purposes of this provision, the terms set forth below as follows:
  - (i) "corrupt practice" means behavior on the part of officials in the public or private sectors by which they improperly and unlawfully enrich themselves, others, or induce others to do so, by misusing the position in which they are placed, and includes the offering, giving, receiving, or soliciting of anything of value to influence the action of any such official in the procurement process or in contract execution; entering, on behalf of the BULACAN STATE UNIVERSITY, into any contract or transaction manifestly and grossly disadvantageous to the same, whether or not the public officer profited or will profit thereby, and similar acts as provided in Republic Act 3019;
  - (ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the BULACAN STATE UNIVERSITY, and includes collusive practices among Bidders (prior to or after Bid submission) designed to establish bid prices at artificial, non-competitive levels and to deprive the BULACAN STATE UNIVERSITY of the benefits of free and open competition;
  - (iii) “collusive practices” means a scheme or arrangement between two or more bidders, with or without the knowledge of the

BULACAN STATE UNIVERSITY, designed to establish bid prices at artificial, non-competitive levels; and

(iv) “coercive practices” means harming or threatening to harm, directly or indirectly, persons, or their property to influence their participation in a procurement process, or affect the execution of a contract;

(v) “obstructive practice” is

(aa) deliberately destroying, falsifying, altering or concealing of evidence material to an administrative proceedings or investigation or making false statements to investigators in order to materially impede an administrative proceedings or investigation of the BULACAN STATE UNIVERSITY or any foreign government/foreign or international financing institution into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the administrative proceedings or investigation or from pursuing such proceedings or investigation; or

(bb) acts intended to materially impede the exercise of the inspection and audit rights of the BULACAN STATE UNIVERSITY or any foreign government/foreign or international financing institution herein.

(b) will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the Contract; and

(c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded Contract funded by the Funding Source if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing or, or in executing, a Contract funded by the Funding Source.

3.2. Further, the BULACAN STATE UNIVERSITY will seek to impose the maximum civil, administrative, and/or criminal penalties available under the applicable laws on individuals and organizations deemed to be involved in any of the practices mentioned in **ITB** Clause 3.1(a).

3.3. Furthermore, the Funding Source and the BULACAN STATE UNIVERSITY reserve the right to inspect and audit records and accounts of a contractor in the bidding for and performance of a contract themselves or through independent auditors as reflected in the **GCC** Clause 34.

#### **4. Conflict of Interest**

- 4.1. All bidders found to have conflicting interests shall be disqualified to participate in the procurement at hand, without prejudice to the imposition of appropriate administrative, civil, and criminal sanctions. A Bidder may be considered to have conflicting interests with another Bidder in any of the events described in paragraphs (a) through (c) and a general conflict of interest in any of the circumstances set out in paragraphs (d) through (g) below:
- (a) A Bidder has controlling shareholders in common with another Bidder;
  - (b) A Bidder receives or has received any direct or indirect subsidy from any other Bidder;
  - (c) A Bidder has the same legal representative as that of another Bidder for purposes of this Bid;
  - (d) A Bidder has a relationship, directly or through third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder or influence the decisions of the BULACAN STATE UNIVERSITY regarding this bidding process. This will include a firm or an organization who lends, or temporarily seconds, its personnel to firms or organizations which are engaged in consulting services for the preparation related to procurement for or implementation of the project if the personnel would be involved in any capacity on the same project;
  - (e) A Bidder submits more than one bid in this bidding process. However, this does not limit the participation of subcontractors in more than one bid;
  - (f) A Bidder who participated as a consultant in the preparation of the design or technical specifications of the goods and related services that are the subject of the bid; or
  - (g) A Bidder who lends, or temporary seconds, its personnel to firms or organizations which are engaged in consulting services for the preparation related to procurement for or implementation of the project, if the personnel would be involved in any capacity on the same project.
- 4.2. In accordance with Section 47 of the IRR of RA 9184, all Bidding Documents shall be accompanied by a sworn affidavit of the Bidder that it is not related to the Head of the BULACAN STATE UNIVERSITY, members of the Bids and Awards Committee (BAC), members of the Technical Working Group (TWG), members of the BAC Secretariat, the head of the Project Management Office (PMO) or the end-user unit, and the project consultants, by consanguinity or affinity up to the third civil degree. On the part of the bidder, this Clause shall apply to the following persons:

- (a) If the Bidder is an individual or a sole proprietorship, to the Bidder himself;
- (b) If the Bidder is a partnership, to all its officers and members;
- (c) If the Bidder is a corporation, to all its officers, directors, and controlling stockholders; and
- (d) If the Bidder is a joint venture (JV), the provisions of items (a), (b), or (c) of this Clause shall correspondingly apply to each of the members of the said JV, as may be appropriate.

Relationship of the nature described above or failure to comply with this Clause will result in the automatic disqualification of a Bidder.

## **5. Eligible Bidders**

- 5.1. Unless otherwise indicated in the BDS, the following persons shall be eligible to participate in this Bidding:
- (a) Duly licensed Filipino citizens/sole proprietorships;
  - (b) Partnerships duly organized under the laws of the Philippines and of which at least seventy five percent (75%) of the interest belongs to citizens of the Philippines;
  - (c) Corporations duly organized under the laws of the Philippines, and of which at least seventy five percent (75%) of the outstanding capital stock belongs to citizens of the Philippines;
  - (d) Cooperatives duly organized under the laws of the Philippines, and of which at least seventy five percent (75%) of the interest belongs to citizens of the Philippines; and
  - (e) Persons/entities forming themselves into a JV, i.e., a group of two (2) or more persons/entities that intend to be jointly and severally responsible or liable for a particular contract: Provided, however, that, in accordance with Letter of Instructions No. 630, Filipino ownership or interest of the joint venture concerned shall be at least seventy five percent (75%): Provided, further, that joint ventures in which Filipino ownership or interest is less than seventy five percent (75%) may be eligible where the structures to be built require the application of techniques and/or technologies which are not adequately possessed by a person/entity meeting the seventy five percent (75%) Filipino ownership requirement: Provided, finally, that in the latter case, Filipino ownership or interest shall not be less than twenty five percent (25%). For this purpose Filipino ownership or interest shall be based on the contributions of each of the members of the joint venture as specified in their JVA.

- 5.2. The BULACAN STATE UNIVERSITY may also invite foreign bidders when provided for under any Treaty or International or Executive Agreement as specified in the **BDS**.
- 5.3. Government Corporate Entities may be eligible to participate only if they can establish that they (a) are legally and financially autonomous, (b) operate under commercial law, and (c) are not dependent agencies of the GOP or the BULACAN STATE UNIVERSITY.
- 5.4. (a) Unless otherwise provided in the **BDS**, the Bidder must have completed, within ten (10) years from the submission of bids, a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC adjusted to current prices using the National Statistics Office consumer price index.  
  
(b) For Foreign-funded Procurement, the BULACAN STATE UNIVERSITY and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the **BDS**.

For this purpose, contracts similar to the Project shall be those described in the **BDS**, and completed within the period stated in the Invitation to Bid and **ITB** Clause 12.1(a)(iii).

- 5.5. The Bidder must submit a computation of its Net Financial Contracting Capacity (NFCC) or a Commitment from a Universal or Commercial bank to extend a credit line in its favor if awarded the contract for this project (CLC).

The NFCC, computed using the following formula, must be at least equal to the ABC to be bid:

NFCC = [(Current assets minus current liabilities) (K)] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started coinciding with the contract for this Project.

Where:

K = 10 for a contract duration of one year or less, 15 for a contract duration of more than one year up to two years, and 20 for a contract duration of more than two years.

The CLC must be at least equal to ten percent (10%) of the ABC for this Project. If issued by a foreign bank, it shall be confirmed or authenticated by a Universal or Commercial Bank. In the case of local government units (LGUs), the Bidder may also submit CLC from other banks certified by the *Bangko Sentral ng Pilipinas* (BSP) as authorized to issue such financial instrument.

## 6. Bidder's Responsibilities

6.1. The Bidder or its duly authorized representative shall submit a sworn statement in the form prescribed in Section IX. Bidding Forms as required in **ITB** Clause 12.1(b)(iii).

6.2. The Bidder is responsible for the following:

- (a) Having taken steps to carefully examine all of the Bidding Documents;
- (b) Having acknowledged all conditions, local or otherwise, affecting the implementation of the contract;
- (c) Having made an estimate of the facilities available and needed for the contract to be bid, if any;
- (d) Having complied with its responsibility to inquire or secure Supplemental/Bid Bulletin/s as provided under **ITB** Clause 10.3.
- (e) Ensuring that it is not "blacklisted" or barred from bidding by the GOP or any of its agencies, offices, corporations, or LGUs, including foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the GPPB;
- (f) Ensuring that each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
- (g) Authorizing the Head of the BULACAN STATE UNIVERSITY or its duly authorized representative/s to verify all the documents submitted;
- (h) Ensuring that the signatory is the duly authorized representative of the Bidder, and granted full power and authority to do, execute and perform any and all acts necessary and/or to represent the Bidder in the bidding, with the duly notarized Secretary's Certificate attesting to such fact, if the Bidder is a corporation, partnership, cooperative, or joint venture;
- (i) Complying with the disclosure provision under Section 47 of the Act in relation to other provisions of Republic Act 3019; and
- (j) Complying with existing labor laws and standards, if applicable.

Failure to observe any of the above responsibilities shall be at the risk of the Bidder concerned.

6.3. The Bidder, by the act of submitting its bid, shall be deemed to have inspected the site, determined the general characteristics of the contract works and the conditions for this Project and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

- 6.4. It shall be the sole responsibility of the prospective bidder to determine and to satisfy itself by such means as it considers necessary or desirable as to all matters pertaining to this Project, including: (a) the location and the nature of the contract, project, or work; (b) climatic conditions; (c) transportation facilities; (c) nature and condition of the terrain, geological conditions at the site communication facilities, requirements, location and availability of construction aggregates and other materials, labor, water, electric power and access roads; and (d) other factors that may affect the cost, duration and execution or implementation of the contract, project, or work.
- 6.5. The BULACAN STATE UNIVERSITY shall not assume any responsibility regarding erroneous interpretations or conclusions by the prospective or eligible bidder out of the data furnished by the BULACAN STATE UNIVERSITY.
- 6.6. Before submitting their bids, the Bidders are deemed to have become familiar with all existing laws, decrees, ordinances, acts and regulations of the Philippines which may affect the contract in any way.
- 6.7. The Bidder shall bear all costs associated with the preparation and submission of his bid, and the BULACAN STATE UNIVERSITY will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- 6.8. Bidders should note that the BULACAN STATE UNIVERSITY will only accept bids only from those that have paid the nonrefundable fee for the Bidding Documents at the office indicated in the Invitation to Bid.

## **7. Origin of GOODS and Services**

There is no restriction on the origin of Goods, or Contracting of Works or Services other than those prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations.

## **8. Subcontracts**

- 8.1. Unless otherwise specified in the **BDS**, the Bidder may subcontract portions of the Works to an extent as may be approved by the BULACAN STATE UNIVERSITY and stated in the **BDS**. However, subcontracting of any portion shall not relieve the Bidder from any liability or obligation that may arise from the contract for this Project.
- 8.2. Subcontractors must submit the documentary requirements under **ITB** Clause 12 and comply with the eligibility criteria specified in the **BDS**. In the event that any subcontractor is found by the BULACAN STATE UNIVERSITY to be ineligible, the subcontracting of such portion of the Works shall be disallowed.
- 8.3. The Bidder may identify the subcontractor to whom a portion of the Works will be subcontracted at any stage of the bidding process or during contract implementation. If the Bidder opts to disclose the name of the subcontractor



during bid submission, the Bidder shall include the required documents as part of the technical component of its bid.

## **B. Contents of Bidding Documents**

### **9. Pre-Bid Conference**

- 9.1. (a) If so specified in the **BDS**, a pre-bid conference shall be held at the venue and on the date indicated therein, to clarify and address the Bidders' questions on the technical and financial components of this Project.

*(b) The pre-bid conference shall be held at least twelve (12) calendar days before the deadline for the submission of and receipt of bids. If the BULACAN STATE UNIVERSITY determines that, by reason of the method, nature, or complexity of the contract to be bid, or when international participation will be more advantageous to the GOP, a longer period for the preparation of bids is necessary, the pre-bid conference shall be held at least thirty (30) calendar days before the deadline for the submission and receipt of bids, as specified in the **BDS**.*

- 9.2. Bidders are encouraged to attend the pre-bid conference to ensure that they fully understand the BULACAN STATE UNIVERSITY's requirements. Non-attendance of the Bidder will in no way prejudice its bid; however, the Bidder is expected to know the changes and/or amendments to the Bidding Documents as recorded in the minutes of the pre-bid conference and the Supplemental/Bid Bulletin.
- 9.3. Any statement made at the pre-bid conference shall not modify the terms of the bidding documents unless such statement is specifically identified in writing as an amendment thereto and issued as a Supplemental/Bid Bulletin.

### **10. Clarification and Amendment of Bidding Documents**

- 10.1. Bidders who have purchased the Bidding Documents may request for clarification(s) on any part of the Bidding Documents or for an interpretation. Such a request must be in writing and submitted to the BULACAN STATE UNIVERSITY at the address indicated in the **BDS** at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.
- 10.2. Supplemental/Bid Bulletins may be issued upon the BULACAN STATE UNIVERSITY's initiative for purposes of clarifying or modifying any provision of the Bidding Documents not later than seven (7) calendar days before the deadline for the submission and receipt of Bids. Any modification to the Bidding Documents shall be identified as an amendment.
- 10.3. Any Supplemental/Bid Bulletin issued by the BAC shall also be posted on the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the BULACAN STATE UNIVERSITY concerned, if available. Unless, otherwise provided in the **BDS**, it shall be the responsibility of all Bidders who secure the Bidding Documents to inquire and secure Supplemental/Bid Bulletins that may be issued by the BAC. However, bidders

who have submitted bids before the issuance of the Supplemental/Bid Bulletin must be informed and allowed to modify or withdraw their bids in accordance with **ITB** Clause 23.

## **C. Preparation of Bids**

### **11. Language of Bids**

The Bid, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the BULACAN STATE UNIVERSITY, shall be written in English. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation in English certified by the appropriate embassy or consulate in the Philippines, in which case the English translation shall govern, for purposes of interpretation of the Bid.

### **12. Documents Comprising the Bid: Eligibility and Technical Components**

12.1. Unless otherwise indicated in the **BDS**, the first envelope shall contain the following eligibility and technical documents:

(a) Eligibility Documents –

Class "A" Documents:

- (i) Registration certificate from the Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives, or any proof of such registration as stated in the **BDS**;
- (ii) Mayor's permit issued by the city or municipality where the principal place of business of the prospective bidder is located;
- (iii) Statement of all its ongoing and completed government and private contracts within ten (10) years from the submission of bids, including contracts awarded but not yet started, if any. The statement shall include, for each contract, the following:
  - (iii.1) name of the contract;
  - (iii.2) date of the contract;
  - (iii.3) contract duration;
  - (iii.4) owner's name and address;
  - (iii.5) nature of work;

- (iii.6) contractor's role (whether sole contractor, subcontractor, or partner in a JV) and percentage of participation;
- (iii.7) total contract value at award;
- (iii.8) date of completion or estimated completion time;
- (iii.9) total contract value at completion, if applicable;
- (iii.10) percentages of planned and actual accomplishments, if applicable;
- (iii.11) value of outstanding works, if applicable;
- (iii.12) the statement shall be supported by the notices of award and/or notices to proceed issued by the owners; and
- (iii.13) the statement shall be supported by the Constructors Performance Evaluation System (CPES) rating sheets, and/or certificates of completion and owner's acceptance, if applicable;
- (iv) Unless otherwise provided in the **BDS**, valid Philippine Contractors Accreditation Board (PCAB) license and registration for the type and cost of the contract for this Project;
- (v) Audited financial statements, showing, among others, the prospective 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;
- (vi) NFCC computation or CLC in accordance with ITB Clause 5.5; and

Class "B" Document:

- (vii) If applicable, valid Joint Venture Agreement (JVA) or, in lieu thereof, 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 shall be included in the bid.
- (b) Technical Documents –
  - (i) Bid security as prescribed in **ITB** Clause 18. If the Bidder opts to submit the bid security in the form of:
    - (i.1) a bank draft/guarantee or an irrevocable letter of credit issued by a foreign bank, it shall be accompanied by a confirmation from a Universal or Commercial Bank; or

- (i.2) a surety bond accompanied by a certification coming from an authorized Insurance Commission that a surety or insurance company is authorized to issue such instrument;
- (ii) Project Requirements, which shall include the following:
  - (ii.1) Organizational chart for the contract to be bid;
  - (ii.2) List of contractor's personnel (*viz.*, project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data; and
  - (ii.3) List of contractor's equipment units, which are owned, leased, and/or under purchase agreements, supported by certification of availability of equipment from the equipment lessor/vendor for the duration of the project; and
- (iii) Sworn statement in accordance with Section 25.2(b)(iv) of the IRR of RA 9184 and using the form prescribed in Section IX. Bidding Forms.

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

- 13.1. Unless otherwise stated in the **BDS**, the financial component of the bid shall contain the following:
  - (a) Financial Bid Form in accordance with the form prescribed in Section IX. Bidding Forms; and
  - (b) Any other document related to the financial component of the bid as stated in the **BDS**.
- 13.2. (a) Unless indicated in the **BDS**, all Bids that exceed the ABC shall not be accepted.
- (b) Unless otherwise indicated in the **BDS**, for foreign-funded procurement, a ceiling may be applied to bid prices provided the following conditions are met:
  - (i) Bidding Documents are obtainable free of charge on a freely accessible website. If payment of Bidding Documents is required by the BULACAN STATE UNIVERSITY, payment could be made upon the submission of bids.
  - (ii) The BULACAN STATE UNIVERSITY has procedures in place to ensure that the ABC is based on recent estimates made by the engineer or the responsible unit of the procuring entity and that the estimates are based on adequate detailed engineering (in the case of works) and reflect the quality, supervision and risk and

inflationary factors, as well as prevailing market prices, associated with the types of works or goods to be procured.

- (iii) The BULACAN STATE UNIVERSITY has trained cost estimators on estimating prices and analyzing bid variances. In the case of infrastructure projects, the BULACAN STATE UNIVERSITY must also have trained quantity surveyors.
- (iv) The BULACAN STATE UNIVERSITY has established a system to monitor and report bid prices relative to ABC and engineer's/BULACAN STATE UNIVERSITY's estimate.
- (v) The BULACAN STATE UNIVERSITY has established a monitoring and evaluation system for contract implementation to provide a feedback on actual total costs of goods and works.

## **14. Alternative Bids**

- 14.1. Alternative Bids shall be rejected. For this purpose, alternative bid is an offer made by a Bidder in addition or as a substitute to its original bid which may be included as part of its original bid or submitted separately therewith for purposes of bidding. A bid with options is considered an alternative bid regardless of whether said bid proposal is contained in a single envelope or submitted in two (2) or more separate bid envelopes.
- 14.2. Bidders shall submit offers that comply with the requirements of the Bidding Documents, including the basic technical design as indicated in the drawings and specifications. Unless there is a value engineering clause in the **BDS**, alternative bids shall not be accepted.
- 14.3. Each Bidder shall submit only one Bid, either individually or as a partner in a JV. A Bidder who submits or participates in more than one bid (other than as a subcontractor if a subcontractor is permitted to participate in more than one bid) will cause all the proposals with the Bidder's participation to be disqualified. This shall be without prejudice to any applicable criminal, civil and administrative penalties that may be imposed upon the persons and entities concerned.

## **15. Bid Prices**

- 15.1. The contract shall be for the whole Works, as described in **ITB** Clause 1.1, based on the priced Bill of Quantities submitted by the Bidder.
- 15.2. The Bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Bids not addressing or providing all of the required items in the Bidding Documents including, where applicable, bill of quantities, shall be considered non-responsive and, thus, automatically disqualified. In this regard, where a required item is provided, but no price is indicated, the same shall be considered as non-responsive, but specifying a "0" (zero) for the said item would mean that it is being offered for free to the Government.

- 15.3. All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, prior to the deadline for submission of bids, shall be included in the rates, prices, and total bid price submitted by the Bidder.
- 15.4. All bid prices for the given scope of work in the contract as awarded shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances as specified in GCC Clause 48. Price escalation may be allowed in extraordinary circumstances as may be determined by the National Economic and Development Authority in accordance with the Civil Code of the Philippines, and upon the recommendation of the BULACAN STATE UNIVERSITY. Furthermore, in cases where the cost of the awarded contract is affected by any applicable new laws, ordinances, regulations, or other acts of the GOP, promulgated after the date of bid opening, a contract price adjustment shall be made or appropriate relief shall be applied on a no loss-no gain basis.

## **16. Bid Currencies**

- 16.1. All bid prices shall be quoted in Philippine Pesos unless otherwise provided in the **BDS**. However, for purposes of bid evaluation, bids denominated in foreign currencies shall be converted to Philippine currency based on the exchange rate prevailing on the day of the Bid opening.
- 16.2. If so allowed in accordance with **ITB** Clause 16.1, the BULACAN STATE UNIVERSITY for purposes of bid evaluation and comparing the bid prices will convert the amounts in various currencies in which the bid price is expressed to Philippine Pesos at the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 16.3. Unless otherwise specified in the BDS, payment of the contract price shall be made in Philippine Pesos.

## **17. Bid Validity**

- 17.1. Bids shall remain valid for the period specified in the **BDS** which shall not exceed one hundred twenty (120) calendar days from the date of the opening of bids.
- 17.2. In exceptional circumstances, prior to the expiration of the bid validity period, the BULACAN STATE UNIVERSITY may request Bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. The bid security described in **ITB** Clause 0 should also be extended corresponding to the extension of the bid validity period at the least. A Bidder may refuse the request without forfeiting its bid security, but his bid shall no longer be considered for further evaluation and award. A Bidder granting the request shall not be required or permitted to modify its bid.

## 18. Bid Security

- 18.1. The bid security in the amount stated in the **BDS** shall be equal to the percentage of the ABC in accordance with the following schedule:

Form of Bid Security	Amount of Bid Security (Equal to Percentage of the ABC)
(a) Cash or cashier's/manager's check issued by a Universal or Commercial Bank.	Two percent (2%)
(b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank.	
(c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security; and/or	Five percent (5%)
(d) Any combination of the foregoing.	Proportionate to share of form with respect to total amount of security

For biddings conducted by local government units, the Bidder may also submit bid securities in the form of cashier's/manager's check, bank draft/guarantee, or irrevocable letter of credit from other banks certified by the BSP as authorized to issue such financial statement.

- 18.2. The bid security should be valid for the period specified in the **BDS**. Any bid not accompanied by an acceptable bid security shall be rejected by the BULACAN STATE UNIVERSITY as non-responsive.
- 18.3. No bid securities shall be returned to bidders after the opening of bids and before contract signing, except to those that failed or declared as post-disqualified, upon submission of a written waiver of their right to file a motion for reconsideration and/or protest. Without prejudice on its forfeiture, Bid Securities shall be returned only after the bidder with the Lowest Calculated Responsive Bid has signed the contract and furnished the Performance Security, but in no case later than the expiration of the Bid Security validity period indicated in **ITB Clause 18.2**.
- 18.4. Upon signing and execution of the contract, pursuant to **ITB Clause 31**, and the posting of the performance security, pursuant to **ITB Clause 32**, the successful Bidder's Bid security will be discharged, but in no case later than the Bid security validity period as indicated in **ITB Clause 18.2**.

18.5. The bid security may be forfeited:

- (a) if a Bidder:
  - (i) withdraws its bid during the period of bid validity specified in **ITB** Clause 17;
  - (ii) does not accept the correction of errors pursuant to **ITB** Clause 27.3(b);
  - (iii) fails to submit the requirements within the prescribed period, or a finding against their veracity, as stated in ITB Clause 28.2;
  - (iv) submission of eligibility requirements containing false information or falsified documents;
  - (v) submission of bids that contain false information or falsified documents, or the concealment of such information in the bids in order to influence the outcome of eligibility screening or any other stage of the public bidding;
  - (vi) allowing the use of one's name, or using the name of another for purposes of public bidding;
  - (vii) withdrawal of a bid, or refusal to accept an award, or enter into contract with the Government without justifiable cause, after the Bidder had been adjudged as having submitted the Lowest Calculated and Responsive Bid;
  - (viii) refusal or failure to post the required performance security within the prescribed time;
  - (ix) refusal to clarify or validate in writing its bid during post-qualification within a period of seven (7) calendar days from receipt of the request for clarification;
  - (x) any documented attempt by a bidder to unduly influence the outcome of the bidding in his favor;
  - (xi) failure of the potential joint venture partners to enter into the joint venture after the bid is declared successful; or
  - (xii) all other acts that tend to defeat the purpose of the competitive bidding, such as habitually withdrawing from bidding, submitting late Bids or patently insufficient bid, for at least three (3) times within a year, except for valid reasons.
- (b) if the successful Bidder:
  - (i) fails to sign the contract in accordance with **ITB** Clause 31;



- (ii) fails to furnish performance security in accordance with **ITB** Clause 32.

## **19. Format and Signing of Bids**

- 19.1 Bidders shall submit their bids through their duly authorized representative using the appropriate forms provided in Section IX. Bidding Forms on or before the deadline specified in the **ITB** Clause 21 in two (2) separate sealed bid envelopes, and which shall be submitted simultaneously. The first shall contain the technical component of the bid, including the eligibility requirements under **ITB** Clause 12.1 and the second shall contain the financial component of the bid.
- 19.2. Forms as mentioned in **ITB** Clause 19.1 must be completed without any alterations to their format, and no substitute form shall be accepted. All blank spaces shall be filled in with the information requested.
- 19.3. The Bidder shall prepare an original of the first and second envelopes as described in **ITB** Clauses 12 and 13. In addition, the Bidder shall submit copies of the first and second envelopes. In the event of any discrepancy between the original and the copies, the original shall prevail.
- 19.4. The bid, except for unamended printed literature, shall be signed, and each and every page thereof shall be initialed, by the duly authorized representative/s of the Bidder.
- 19.5. Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the duly authorized representative/s of the Bidder.

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

- 20.1. Bidders shall enclose their original eligibility and technical documents described in **ITB** Clause 12, in one sealed envelope marked “ORIGINAL - TECHNICAL COMPONENT”, and the original of their financial component in another sealed envelope marked “ORIGINAL - FINANCIAL COMPONENT”, sealing them all in an outer envelope marked “ORIGINAL BID”.
- 20.2. Each copy of the first and second envelopes shall be similarly sealed duly marking the inner envelopes as “COPY NO. \_\_\_\_ - TECHNICAL COMPONENT” and “COPY NO. \_\_\_\_ – FINANCIAL COMPONENT” and the outer envelope as “COPY NO. \_\_\_\_”, respectively. These envelopes containing the original and the copies shall then be enclosed in one single envelope.
- 20.3. The original and the number of copies of the Bid as indicated in the **BDS** shall be typed or written in indelible ink and shall be signed by the bidder or its duly authorized representative/s.
- 20.4. All envelopes shall:

- (a) contain the name of the contract to be bid in capital letters;
- (b) bear the name and address of the Bidder in capital letters;
- (c) be addressed to the BULACAN STATE UNIVERSITY's BAC identified in **ITB** Clause 10.1;
- (d) bear the specific identification of this bidding process indicated in the Invitation to Bid; and
- (e) bear a warning "DO NOT OPEN BEFORE..." the date and time for the opening of bids, in accordance with **ITB** Clause 21.

20.5. If bids are not sealed and marked as required, the BULACAN STATE UNIVERSITY will assume no responsibility for the misplacement or premature opening of the bid.

## **D. Submission and Opening of Bids**

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

Bids must be received by the BULACAN STATE UNIVERSITY's BAC at the address and on or before the date and time indicated in the **BDS**.

### **22. Late Bids**

Any bid submitted after the deadline for submission and receipt of bids prescribed by the BULACAN STATE UNIVERSITY, pursuant to **ITB** Clause 21, shall be declared "Late" and shall not be accepted by the Procuring Entity.

### **23. Modification and Withdrawal of Bids**

23.1. The Bidder may modify its bid after it has been submitted; provided that the modification is received by the BULACAN STATE UNIVERSITY prior to the deadline prescribed for submission and receipt of bids. The Bidder shall not be allowed to retrieve its original bid, but shall be allowed to submit another bid equally sealed, properly identified, linked to its original bid marked as "TECHNICAL MODIFICATION" or "FINANCIAL MODIFICATION" and stamped "received" by the BAC. Bid modifications received after the applicable deadline shall not be considered and shall be returned to the Bidder unopened.

23.2. A Bidder may, through a letter of withdrawal, withdraw its bid after it has been submitted, for valid and justifiable reason; provided that the letter of withdrawal is received by the BULACAN STATE UNIVERSITY prior to the deadline prescribed for submission and receipt of bids.

23.3. Bids requested to be withdrawn in accordance with **ITB** Clause 23.1 shall be returned unopened to the Bidders. A Bidder may also express its intention not to participate in the bidding through a letter which should reach and be stamped by the BAC before the deadline for submission and receipt of bids. A

Bidder that withdraws its bid shall not be permitted to submit another bid, directly or indirectly, for the same contract.

- 23.4. No bid may be modified after the deadline for submission of bids. No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Financial Bid Form. Withdrawal of a bid during this interval shall result in the forfeiture of the Bidder's bid security, pursuant to **ITB** Clause 18.5, and the imposition of administrative, civil, and criminal sanctions as prescribed by RA 9184 and its IRR.

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

- 24.1. The BAC shall open the first bid envelopes of Bidders in public as specified in the **BDS** to determine each Bidder's compliance with the documents prescribed in **ITB** Clause 12. For this purpose, the BAC shall check the submitted documents of each bidder against a checklist of required documents to ascertain if they are all present, using a non-discretionary "pass/fail" criterion. If a bidder submits the required document, it shall be rated "passed" for that particular requirement. In this regard, bids that fail to include any requirement or are incomplete or patently insufficient shall be considered as "failed". Otherwise, the BAC shall rate the said first bid envelope as "passed".
- 24.2. Unless otherwise specified in the **BDS**, immediately after determining compliance with the requirements in the first envelope, the BAC shall forthwith open the second bid envelope of each remaining eligible bidder whose first bid envelope was rated "passed". The second envelope of each complying bidder shall be opened within the same day. In case one or more of the requirements in the second envelope of a particular bid is missing, incomplete or patently insufficient, and/or if the submitted total bid price exceeds the ABC unless otherwise provided in **ITB** Clause 13.1(b), the BAC shall rate the bid concerned as "failed". Only bids that are determined to contain all the bid requirements for both components shall be rated "passed" and shall immediately be considered for evaluation and comparison.
- 24.3. Letters of withdrawal shall be read out and recorded during bid opening, and the envelope containing the corresponding withdrawn bid shall be returned to the Bidder unopened. If the withdrawing Bidder's representative is in attendance, the original bid and all copies thereof shall be returned to the representative during the bid opening. If the representative is not in attendance, the Bid shall be returned unopened by registered mail. The Bidder may withdraw its bid prior to the deadline for the submission and receipt of bids, provided that the corresponding letter of withdrawal contains a valid authorization requesting for such withdrawal, subject to appropriate administrative sanctions.
- 24.4. If a Bidder has previously secured a certification from the BULACAN STATE UNIVERSITY to the effect that it has previously submitted the above-enumerated Class "A" Documents, the said certification may be submitted in lieu of the requirements enumerated in **ITB** Clause 12.1(a), items (i) to (vi).

- 24.5. In the case of an eligible foreign Bidder as described in **ITB** Clause 5, the Class “A” Documents enumerated in **ITB** Clause 12.1(a) may be substituted with the appropriate equivalent documents, if any, issued by the country of the foreign Bidder concerned.
- 24.6. Each partner of a joint venture agreement shall likewise submit the documents required in **ITB** Clauses 12.1(a)(i) and 12.1(a)(ii). Submission of documents required under **ITB** Clauses 12.1(a)(iii) to 12.1(a)(vi) by any of the joint venture partners constitutes compliance.
- 24.7. A Bidder determined as “failed” has three (3) calendar days upon written notice or, if present at the time of bid opening, upon verbal notification within which to file a request for reconsideration with the BAC: Provided, however, that the request for reconsideration shall not be granted if it is established that the finding of failure is due to the fault of the Bidder concerned: Provided, further, that the BAC shall decide on the request for reconsideration within seven (7) calendar days from receipt thereof. If a failed Bidder signifies his intent to file a request for reconsideration, the BAC shall keep the bid envelopes of the said failed Bidder unopened and/or duly sealed until such time that the request for reconsideration or protest has been resolved.

## **E. Evaluation and Comparison of Bids**

### **25. Process to be Confidential**

- 25.1. Members of the BAC, including its staff and personnel, as well as its Secretariat and TWG, are prohibited from making or accepting any kind of communication with any bidder regarding the evaluation of their bids until the issuance of the Notice of Award, unless in the case of **ITB** Clause 26.
- 25.2. Any effort by a bidder to influence the BULACAN STATE UNIVERSITY in the BULACAN STATE UNIVERSITY’s decision in respect of Bid evaluation, Bid comparison or contract award will result in the rejection of the Bidder’s Bid.

### **26. Clarification of Bids**

To assist in the evaluation, comparison and post-qualification of the bids, the BULACAN STATE UNIVERSITY may ask in writing any Bidder for a clarification of its bid. All responses to requests for clarification shall be in writing. Any clarification submitted by a Bidder in respect to its bid and that is not in response to a request by the BULACAN STATE UNIVERSITY shall not be considered

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

- 27.1. The BULACAN STATE UNIVERSITY will undertake the detailed evaluation and comparison of Bids which have passed the opening and preliminary examination of Bids, pursuant to **ITB** Clause 24, in order to determine the Lowest Calculated Bid.

- 27.2. In evaluating the Bids to get the Lowest Calculated Bid, the BULACAN STATE UNIVERSITY shall undertake the following:
- (a) The detailed evaluation of the financial component of the bids, to establish the correct calculated prices of the bids; and
  - (b) The ranking of the total bid prices as so calculated from the lowest to highest. The bid with the lowest price shall be identified as the Lowest Calculated Bid.
- 27.3. The BULACAN STATE UNIVERSITY's BAC shall immediately conduct a detailed evaluation of all bids rated "passed," using non-discretionary "pass/fail" criterion. The BAC shall consider the following in the evaluation of bids:
- (a) Completeness of the bid. Unless the ITB specifically allows partial bids, bids not addressing or providing all of the required items in the Schedule of Requirements including, where applicable, bill of quantities, shall be considered non-responsive and, thus, automatically disqualified. In this regard, where a required item is provided, but no price is indicated, the same shall be considered as non-responsive, but specifying a "0" (zero) for the said item would mean that it is being offered for free to the BULACAN STATE UNIVERSITY; and
  - (b) Arithmetical corrections. Consider computational errors and omissions to enable proper comparison of all eligible bids. It may also consider bid modifications if expressly allowed in the **BDS**. Any adjustment shall be calculated in monetary terms to determine the calculated prices.
- 27.4. Based on the detailed evaluation of bids, those that comply with the above-mentioned requirements shall be ranked in the ascending order of their total calculated bid prices, as evaluated and corrected for computational errors, discounts and other modifications, to identify the Lowest Calculated Bid. Total calculated bid prices, as evaluated and corrected for computational errors, discounts and other modifications, which exceed the ABC shall not be considered, unless otherwise indicated in the **BDS**.
- 27.5. The BULACAN STATE UNIVERSITY's evaluation of bids shall only be based on the bid price quoted in the Financial Bid Form
- 27.6. Bids shall be evaluated on an equal footing to ensure fair competition. For this purpose, all bidders shall be required to include in their bids the cost of all taxes, such as, but not limited to, value added tax (VAT), income tax, local taxes, and other fiscal levies and duties which shall be itemized in the bid form and reflected in the detailed estimates. Such bids, including said taxes, shall be the basis for bid evaluation and comparison.

## **28. Post Qualification**

- 28.1. The BULACAN STATE UNIVERSITY shall determine to its satisfaction whether the Bidder that is evaluated as having submitted the Lowest Calculated Bid (LCB) complies with and is responsive to all the requirements and conditions specified in **ITB** Clauses 5, 12, and 13.
- 28.2. Within a non-extendible period of three (3) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the LCB, the Bidder shall submit the following documentary requirements:
- (a) Tax clearance per Executive Order 398, Series of 2005;
  - (b) Latest income and business tax returns in the form specified in the **BDS**;
  - (c) Certificate of PhilGEPS Registration; and
  - (d) Other appropriate licenses and permits required by law and stated in the **BDS**.

Failure of the Bidder declared as LCB to duly submit the requirements under this Clause or a finding against the veracity of such, shall be ground for forfeiture of the bid security and disqualification of the Bidder for award.

- 28.3. The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted pursuant to **ITB** Clauses 12 and 13, as well as other information as the BULACAN STATE UNIVERSITY deems necessary and appropriate, using a non-discretionary "pass/fail" criterion.
- 28.4. If the BAC determines that the Bidder with the Lowest Calculated Bid passes all the criteria for post-qualification, it shall declare the said bid as the Lowest Calculated Responsive Bid, and recommend to the BULACAN STATE UNIVERSITY the award of contract to the said Bidder at its submitted price or its calculated bid price, whichever is lower, subject to **ITB** Clause 30.3.
- 28.5. A negative determination shall result in rejection of the Bidder's Bid, in which event the BULACAN STATE UNIVERSITY shall proceed to the next Lowest Calculated Bid to make a similar determination of that Bidder's capabilities to perform satisfactorily. If the second Bidder, however, fails the post qualification, the procedure for post qualification shall be repeated for the Bidder with the next Lowest Calculated Bid, and so on until the Lowest Calculated and Responsive Bid is determined for contract award.
- 28.6. Within a period not exceeding seven (7) calendar days from the date of receipt of the recommendation of the BAC, the Head of the BULACAN STATE UNIVERSITY shall approve or disapprove the said recommendation. In the case of government owned and government-owned and/or -controlled corporations (GOCCs) and government financial institutions (GFIs), the period provided herein shall be fifteen (15) calendar days.

## **29. Reservation Clause**

- 29.1. Notwithstanding the eligibility or post-qualification of a bidder, the BULACAN STATE UNIVERSITY concerned reserves the right to review its qualifications at any stage of the procurement process if it has reasonable grounds to believe that a misrepresentation has been made by the said bidder, or that there has been a change in the Bidder's capability to undertake the project from the time it submitted its eligibility requirements. Should such review uncover any misrepresentation made in the eligibility and bidding requirements, statements or documents, or any changes in the situation of the Bidder which will affect its capability to undertake the project so that it fails the preset eligibility or bid evaluation criteria, the BULACAN STATE UNIVERSITY shall consider the said Bidder as ineligible and shall disqualify it from submitting a bid or from obtaining an award or contract.
- 29.2. Based on the following grounds, the BULACAN STATE UNIVERSITY reserves the right to reject any and all Bids, declare a Failure of Bidding at any time prior to the contract award, or not to award the contract, without thereby incurring any liability, and make no assurance that a contract shall be entered into as a result of the bidding:
- (a) if there is *prima facie* evidence of collusion between appropriate public officers or employees of the BULACAN STATE UNIVERSITY, or between the BAC and any of the bidders, or if the collusion is between or among the bidders themselves, or between a bidder and a third party, including any act which restricts, suppresses or nullifies or tends to restrict, suppress or nullify competition;
  - (b) if the BULACAN STATE UNIVERSITY's BAC is found to have failed in following the prescribed bidding procedures; or
  - (c) for any justifiable and reasonable ground where the award of the contract will not redound to the benefit of the Government as follows:
    - (i) If the physical and economic conditions have significantly changed so as to render the project no longer economically, financially or technically feasible as determined by the head of the BULACAN STATE UNIVERSITY;
    - (ii) If the project is no longer necessary as determined by the head of the BULACAN STATE UNIVERSITY; and
    - (iii) If the source of funds for the project has been withheld or reduced through no fault of the BULACAN STATE UNIVERSITY.
- 29.3. In addition, the BULACAN STATE UNIVERSITY may likewise declare a failure of bidding when:
- (a) No bids are received;
  - (b) All prospective bidders are declared ineligible;

- (c) All bids fail to comply with all the bid requirements or fail post-qualification; or
- (d) The bidder with the Lowest Calculated Responsive Bid refuses, without justifiable cause to accept the award of contract, and no award is made.

## **F. Award of Contract**

### **30. Contract Award**

- 30.1. Subject to **ITB** Clause 28, the BULACAN STATE UNIVERSITY shall award the contract to the Bidder whose Bid has been determined to be the Lowest Calculated and Responsive Bid (LCRB).
- 30.2. Prior to the expiration of the period of Bid validity, the BULACAN STATE UNIVERSITY shall notify the successful Bidder in writing that its Bid has been accepted, through a Notice of Award received personally or sent by registered mail or electronically, receipt of which must be confirmed in writing within two (2) days by the LCRB and submitted personally or sent by registered mail or electronically to the BULACAN STATE UNIVERSITY.
- 30.3. Notwithstanding the issuance of the Notice of Award, award of contract shall be subject to the following conditions:
  - (a) Submission of the following documents within the prescribed period from receipt by the Bidder of the notice that it has the Lowest Calculated and Responsive Bid:
    - (i) Valid JVA, if applicable, within ten (10) calendar days;
    - (ii) Valid PCAB license and registration for the type and cost of the contract to be bid for foreign bidders, within thirty (30) calendar days, if allowed under a Treaty or International or Executive Agreement mentioned in **ITB** Clause 12.1(a)(iv);
  - (b) Posting of the performance security in accordance with **ITB** Clause 32;
  - (c) Signing of the contract as provided in **ITB** Clause 31; and
  - (d) Approval by higher authority, if required.

### **31. Signing of the Contract**

- 31.1. At the same time as the BULACAN STATE UNIVERSITY notifies the successful Bidder that its Bid has been accepted, the BULACAN STATE UNIVERSITY shall send the Contract Form to the Bidder, which Contract has been provided in the Bidding Documents, incorporating therein all agreements between the parties.



- 31.2. Within ten (10) calendar days from receipt of the Notice of Award, the successful Bidder shall post the required performance security, sign and date the contract and return it to the BULACAN STATE UNIVERSITY.
- 31.3. The BULACAN STATE UNIVERSITY shall enter into contract with the successful Bidder within the same ten (10) calendar day period provided that all the documentary requirements are complied with.
- 31.4. The following documents shall form part of the contract:
- (a) Contract Agreement;
  - (b) Bidding Documents;
  - (c) Winning bidder's bid, including the Technical and Financial Proposals, and all other documents/statements submitted;
  - (d) Performance Security;
  - (e) Credit line in accordance with **ITB** Clause 5.5, if applicable;
  - (f) Notice of Award of Contract; and
  - (g) Other contract documents that may be required by existing laws and/or specified in the **BDS**.

## 32. Performance Security

- 32.1. To guarantee the faithful performance by the winning Bidder of its obligations under the contract, it shall post a performance security within a maximum period of ten (10) calendar days from the receipt of the Notice of Award from the BULACAN STATE UNIVERSITY and in no case later than the signing of the contract.
- 32.2. The performance security shall be denominated in Philippine Pesos and posted in favor of the Procuring Entity in an amount equal to the percentage of the total contract price as stated in the **BDS** in accordance with the following schedule:

Form of Performance Security	Amount of Performance Security (Equal to Percentage of the Total Contract Price)
(a) Cash or cashier's/manager's check issued by a Universal or Commercial Bank.	Ten percent (10%)
(b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, that it shall be confirmed or authenticated by a	

Universal or Commercial Bank, if issued by a foreign bank.	
(c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security; and/or	Thirty percent (30%)
(d) Any combination of the foregoing.	Proportionate to share of form with respect to total amount of security

- 32.3. Failure of the successful Bidder to comply with the above-mentioned requirement shall constitute sufficient ground for the annulment of the award and forfeiture of the bid security, in which event the BULACAN STATE UNIVERSITY shall initiate and complete the post qualification of the second Lowest Calculated Bid. The procedure shall be repeated until the Lowest Calculated and Responsive Bid is identified and selected for contract award. However if no Bidder passed post-qualification, the BAC shall declare the bidding a failure and conduct a re-bidding with re-advertisement.

### **33. Notice to Proceed**

- 33.1. Within three (3) calendar days from the date of approval of the Contract by the appropriate government approving authority, the BULACAN STATE UNIVERSITY shall issue its Notice to Proceed to the Bidder.
- 33.2. The contract effectivity date shall be provided in the Notice to Proceed by the BULACAN STATE UNIVERSITY, which date shall not be later than seven (7) calendar days from the issuance of the Notice to Proceed.

# Section III.

## Bid Data Sheet

# Bid Data Sheet

ITB Clause	
1.1	<p>The PROCURING ENTITY is <i>BULACAN STATE UNIVERSITY</i>.</p> <p>The name of the Contract is <b>PROCUREMENT OF BULSU IP TELEPHONY AND CABLING SYSTEM PROJECT</b>.</p> <p>The identification number of the Contract is <i>Infra-2013-08</i></p>
2	<p>The Funding Source is:</p> <p>The Government of the Philippines (GOP) through <i>the General Fund for the contract approved by the governing Boards in the amount of</i> <b>SIX MILLION EIGHT HUNDRED THOUSAND ONLY (P6,800,000.00)</b>.</p> <p>The name of the Project is <b>PROCUREMENT OF BULSU IP TELEPHONY AND CABLING SYSTEM PROJECT (Infra-2013-08)</b></p>
3.1	No further instructions.
5.1	No further instructions.
5.2	Bidding is restricted to eligible bidders as defined in ITB Clause 5.1.
5.4	The Bidder must have completed within the period specified in the Invitation to Bid and ITB Clause 12.1 (a) (iii) a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.
8.1	"Subcontracting is not allowed."
8.2	"Not applicable".
9.1	The BULACAN STATE UNIVERSITY will hold a <i>pre-bid conference</i> for this Project on <b>July 25, 2013, Thursday 9:30 a.m.</b> at the University President's Boardroom, 2 <sup>nd</sup> Floor, Flores Hall, Bulacan State University, Guinhawa, City of Malolos, 3000 Bulacan
10.1	<p>The BULACAN STATE UNIVERSITY's address is:</p> <p><i>Guinhawa, City of Malolos, 3000 Bulacan</i></p> <p><i>Elizabeth D. Sunga</i></p> <p><i>BAC Secretariat</i></p> <p><i>Telefax no: (044) 662-0455</i></p> <p><i>Phone No. : (044) 796-2160</i></p> <p><i>Website: bulsu.edu.ph</i></p>
10.3	No further instructions.
12.1(a)(ii)	Valid Mayor's permit issued by the city of municipality where the principal place of business of the prospective bidder is located.

12.1(a)(iii)	Statement of all Government & Private contracts completed which are similar in nature and List of all Ongoing Government & Private contracts including contracts awarded but not yet started within <i><b>the last three (3) years.</b></i> (see attached forms)
12.1(a)(iv)	<b>Valid ISO Certification (System Integrator)</b>
12.1(b)(ii.2)	List of contractor's personnel: <ul style="list-style-type: none"> <li>- <b>Licensed Professional Electronics/Electrical Engineer</b></li> <li>- <b>Technicians</b></li> </ul>
12.1(b)(iv)	Additional documents to be included in the technical envelope a. Site Inspection Certificate issued by BulSU b. Statement of Conformity with Technical Specification
13.1	No further instructions.
13.1(b)	<ul style="list-style-type: none"> <li>- Duly signed Financial Bid Form.</li> <li>- Duly signed and priced Bill of Quantities</li> <li>- Duly signed and priced Detailed Estimates</li> <li>- Soft copy in compact disc (CD) of the duly priced Bill of Quantities &amp; Detailed Estimates using Microsoft Excel</li> </ul>
13.1(b)	The ABC is <b>SIX MILLION EIGHT HUNDRED THOUSAND PESOS ONLY (P 6,800,000.00)</b> . Any bid with a financial component exceeding this amount shall not be accepted.
14.2	No further instructions.
15.4	No further instructions.
16.1	The bid prices shall be quoted in Philippine Pesos.
17.1	Bids will be valid until <b>ONE HUNDRED TWENTY (120) CALENDAR DAYS AFTER BID OPENING.</b>
18.1	The bid security shall be in the following manner: 1. The amount of <b>P136,000.00 [2% of ABC]</b> , if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; 2. The amount of <b>P340,000.00 [5% of ABC]</b> if bid security is in Surety Bond; or 3. Any combination of the foregoing proportionate to the share of form with respect to total amount of security. 4. Bid-Securing Declaration.
18.2	The bid security shall be valid until <b>ONE HUNDRED TWENTY (120) CALENDAR DAYS AFTER BID OPENING.</b>
20.3	Each Bidder shall submit <i><b>one (1) original and two (2) certified photocopies of the original technical and the financial components duly signed and sealed.</b></i>
21	<p>The address for submission of bids is:  <b>BIDS AND AWARDS COMMITTEE</b>  <b>BULACAN STATE UNIVERSITY</b>  <b>Guinhawa, City of Malolos, 3000 Bulacan.</b></p> <p>The deadline for submission of bids is <i><b>August 08, 2013, 9:30 a.m.</b></i></p>

24.1	<p>The place of bid opening is:</p> <p><b>University President's Boardroom</b>  <b>2<sup>nd</sup> Floor, Flores Hall</b>  <b>Bulacan State University</b>  <b>Guinhawa, City of Malolos, 3000 Bulacan.</b></p> <p>The date and time of bid opening is <i>August 08, 2013, 9:30 a.m.</i></p>
24.2	No further instructions.
27.3(b)	<b><i>BID MODIFICATION IS NOT ALLOWED.</i></b>
27.4	No further instructions.
28.2(b)	<p><b>Bidders may submit manually filed tax returns or tax returns filed through the Electronic Filing and Payments System (EFPS).</b></p> <p><i>NOTE: The latest income and business tax returns are those within the last six months preceding the date of bid submission.</i></p>
28.2(d)	No further instructions.
31.4(g)	<p><b>Additional contract documents relevant to the Project required:</b></p> <p><b>a. manpower schedule;</b>  <b>b. installation procedure/methodologies;</b>  <b>c. construction safety</b></p>
32.2	<p>The <b>performance security</b> shall be in the following amount:</p> <ol style="list-style-type: none"> <li>1. The amount of <b>P680,000.00 [10% of ABC]</b>, if performance security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</li> <li>2. The amount of <b>P2,040,000.00 [30% of ABC]</b> if performance security is in Surety Bond; or</li> <li>3. Any combination of the foregoing proportionate to the share of form with respect to total amount of security.</li> </ol>

# Section IV.

## General Conditions of Contract

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## 1. Definitions

For purposes of this Clause, boldface type is used to identify defined terms.

- 1.1. The **Arbiter** is the person appointed jointly by the BULACAN STATE UNIVERSITY and the Contractor to resolve disputes in the first instance, as provided for in GCC Clause 21.
- 1.2. **Bill of Quantities** refers to a list of the specific items of the Work and their corresponding unit prices, lump sums, and/or provisional sums.
- 1.3. The **Completion Date** is the date of completion of the Works as certified by the BULACAN STATE UNIVERSITY's Representative, in accordance with GCC Clause 49.
- 1.4. The **Contract** is the contract between the BULACAN STATE UNIVERSITY and the Contractor to execute, complete, and maintain the Works.
- 1.5. The **Contract Price** is the price stated in the Letter of Acceptance and thereafter to be paid by the BULACAN STATE UNIVERSITY to the Contractor for the execution of the Works in accordance with this Contract.
- 1.6. **Contract Time Extension** is the allowable period for the Contractor to complete the Works in addition to the original Completion Date stated in this Contract.
- 1.7. The **Contractor** is the juridical entity whose proposal has been accepted by the BULACAN STATE UNIVERSITY and to whom the Contract to execute the Work was awarded.
- 1.8. The **Contractor's Bid** is the signed offer or proposal submitted by the Contractor to the BULACAN STATE UNIVERSITY in response to the Bidding Documents.
- 1.9. **Days** are calendar days; months are calendar months.
- 1.10. **Dayworks** are varied work inputs subject to payment on a time basis for the Contractor's employees and Equipment, in addition to payments for associated Materials and Plant.
- 1.11. A **Defect** is any part of the Works not completed in accordance with the Contract.
- 1.12. The **Defects Liability Certificate** is the certificate issued by BULACAN STATE UNIVERSITY's Representative upon correction of defects by the Contractor.
- 1.13. The **Defects Liability Period** is the one year period between contract completion and final acceptance within which the Contractor assumes the responsibility to undertake the repair of any damage to the Works at his own expense.

- 1.14. **Drawings** are graphical presentations of the Works. They include all supplementary details, shop drawings, calculations, and other information provided or approved for the execution of this Contract.
- 1.15. **Equipment** refers to all facilities, supplies, appliances, materials or things required for the execution and completion of the Work provided by the Contractor and which shall not form or are not intended to form part of the Permanent Works.
- 1.16. The **Intended Completion Date** refers to the date specified in the SCC when the Contractor is expected to have completed the Works. The Intended Completion Date may be revised only by the BULACAN STATE UNIVERSITY's Representative by issuing an extension of time or an acceleration order.
- 1.17. **Materials** are all supplies, including consumables, used by the Contractor for incorporation in the Works.
- 1.18. The **Notice to Proceed** is a written notice issued by the BULACAN STATE UNIVERSITY or the BULACAN STATE UNIVERSITY's Representative to the Contractor requiring the latter to begin the commencement of the work not later than a specified or determinable date.
- 1.19. **Permanent Works** all permanent structures and all other project features and facilities required to be constructed and completed in accordance with this Contract which shall be delivered to the BULACAN STATE UNIVERSITY and which shall remain at the Site after the removal of all Temporary Works.
- 1.20. **Plant** refers to the machinery, apparatus, and the like intended to form an integral part of the Permanent Works.
- 1.21. The **Procuring Entity** is the party who employs the Contractor to carry out the Works stated in the SCC.
- 1.22. The **Procuring Entity's Representative** refers to the Head of the BULACAN STATE UNIVERSITY or his duly authorized representative, identified in the SCC, who shall be responsible for supervising the execution of the Works and administering this Contract.
- 1.23. The **Site** is the place provided by the BULACAN STATE UNIVERSITY where the Works shall be executed and any other place or places which may be designated in the SCC, or notified to the Contractor by the BULACAN STATE UNIVERSITY's Representative as forming part of the Site.
- 1.24. **Site Investigation Reports** are those that were included in the Bidding Documents and are factual and interpretative reports about the surface and subsurface conditions at the Site.
- 1.25. **Slippage** is a delay in work execution occurring when actual accomplishment falls below the target as measured by the difference between the scheduled and

actual accomplishment of the Work by the Contractor as established from the work schedule. This is actually described as a percentage of the whole Works.

- 1.26. **Specifications** means the description of Works to be done and the qualities of materials to be used, the equipment to be installed and the mode of construction.
- 1.27. The **Start Date**, as specified in the **SCC**, is the date when the Contractor is obliged to commence execution of the Works. It does not necessarily coincide with any of the Site Possession Dates.
- 1.28. A **Subcontractor** is any person or organization to whom a part of the Works has been subcontracted by the Contractor, as allowed by the BULACAN STATE UNIVERSITY, but not any assignee of such person.
- 1.29. **Temporary Works** are works designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the Permanent Works.
- 1.30. **Work(s)** refer to the Permanent Works and Temporary Works to be executed by the Contractor in accordance with this Contract, including (i) the furnishing of all labor, materials, equipment and others incidental, necessary or convenient to the complete execution of the Works; (ii) the passing of any tests before acceptance by the BULACAN STATE UNIVERSITY's Representative; (iii) and the carrying out of all duties and obligations of the Contractor imposed by this Contract as described in the **SCC**.

## 2. Interpretation

- 2.1. In interpreting the Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of this Contract unless specifically defined. The BULACAN STATE UNIVERSITY's Representative will provide instructions clarifying queries about the Conditions of Contract.
- 2.2. If sectional completion is specified in the **SCC**, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

## 3. Governing Language and Law

- 3.1. This Contract has been executed in the English language, which shall be the binding and controlling language for all matters relating to the meaning or interpretation of this Contract. All correspondence and other documents pertaining to this Contract which are exchanged by the parties shall be written in English.
- 3.2. This Contract shall be interpreted in accordance with the laws of the Republic of the Philippines.

#### **4. Communications**

Communications between parties that are referred to in the Conditions shall be effective only when in writing. A notice shall be effective only when it is received by the concerned party.

#### **5. Possession of Site**

- 5.1. On the date specified in the **SCC**, the BULACAN STATE UNIVERSITY shall grant the Contractor possession of so much of the Site as may be required to enable it to proceed with the execution of the Works. If the Contractor suffers delay or incurs cost from failure on the part of the BULACAN STATE UNIVERSITY to give possession in accordance with the terms of this clause, the BULACAN STATE UNIVERSITY's Representative shall give the Contractor a Contract Time Extension and certify such sum as fair to cover the cost incurred, which sum shall be paid by BULACAN STATE UNIVERSITY.
- 5.2. If possession of a portion is not given by the date stated in the **SCC** Clause 5.1, the BULACAN STATE UNIVERSITY will be deemed to have delayed the start of the relevant activities. The resulting adjustments in contract time to address such delay shall be in accordance with **GCC** Clause 47.
- 5.3. The Contractor shall bear all costs and charges for special or temporary right-of-way required by it in connection with access to the Site. The Contractor shall also provide at his own cost any additional facilities outside the Site required by it for purposes of the Works.
- 5.4. The Contractor shall allow the BULACAN STATE UNIVERSITY's Representative and any person authorized by the BULACAN STATE UNIVERSITY's Representative access to the Site and to any place where work in connection with this Contract is being carried out or is intended to be carried out.

#### **6. The Contractor's Obligations**

- 6.1. The Contractor shall carry out the Works properly and in accordance with this Contract. The Contractor shall provide all supervision, labor, Materials, Plant and Contractor's Equipment, which may be required. All Materials and Plant on Site shall be deemed to be the property of the BULACAN STATE UNIVERSITY.
- 6.2. The Contractor shall commence execution of the Works on the Start Date and shall carry out the Works in accordance with the Program of Work submitted by the Contractor, as updated with the approval of the BULACAN STATE UNIVERSITY's Representative, and complete them by the Intended Completion Date.
- 6.3. The Contractor shall be responsible for the safety of all activities on the Site.

- 6.4. The Contractor shall carry out all instructions of the BULACAN STATE UNIVERSITY's Representative that comply with the applicable laws where the Site is located.
- 6.5. The Contractor shall employ the key personnel named in the Schedule of Key Personnel, as referred to in the SCC, to carry out the supervision of the Works. The BULACAN STATE UNIVERSITY will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are equal to or better than those of the personnel listed in the Schedule.
- 6.6. If the BULACAN STATE UNIVERSITY's Representative asks the Contractor to remove a member of the Contractor's staff or work force, for justifiable cause, the Contractor shall ensure that the person leaves the Site within seven (7) days and has no further connection with the Work in this Contract.
- 6.7. During Contract implementation, the Contractor and his subcontractors shall abide at all times by all labor laws, including child labor related enactments, and other relevant rules.
- 6.8. The Contractor shall submit to the BULACAN STATE UNIVERSITY for consent the name and particulars of the person authorized to receive instructions on behalf of the Contractor.
- 6.9. The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the BULACAN STATE UNIVERSITY between the dates given in the schedule of other contractors particularly when they shall require access to the Site. The Contractor shall also provide facilities and services for them during this period. The BULACAN STATE UNIVERSITY may modify the schedule of other contractors, and shall notify the Contractor of any such modification thereto.
- 6.10. Should anything of historical or other interest or of significant value be unexpectedly discovered on the Site, it shall be the property of the BULACAN STATE UNIVERSITY. The Contractor shall notify the BULACAN STATE UNIVERSITY's Representative of such discoveries and carry out the BULACAN STATE UNIVERSITY's Representative's instructions in dealing with them.

## **7. Performance Security**

- 7.1. Within ten (10) calendar days from receipt of the Notice of Award from the BULACAN STATE UNIVERSITY but in no case later than the signing of the contract by both parties, the Contractor shall furnish the performance security in any the forms prescribed in **ITB** Clause 32.2.
- 7.2. The performance security posted in favor of the BULACAN STATE UNIVERSITY shall be forfeited in the event it is established that the Contractor is in default in any of its obligations under the Contract.

- 7.3. The performance security shall remain valid until issuance by the BULACAN STATE UNIVERSITY of the Certificate of Final Acceptance.
- 7.4. The performance security may be released by the BULACAN STATE UNIVERSITY and returned to the Contractor after the issuance of the Certificate of Final Acceptance subject to the following conditions:
- (a) There are no pending claims against the Contractor or the surety company filed by the BULACAN STATE UNIVERSITY;
  - (b) The Contractor has no pending claims for labor and materials filed against it; and
  - (c) Other terms specified in the SCC.
- 7.5. The Contractor shall post an additional performance security following the amount and form specified in **ITB** Clause 32.2 to cover any cumulative increase of more than ten percent (10%) over the original value of the contract as a result of amendments to order or change orders, extra work orders and supplemental agreements, as the case may be. The Contractor shall cause the extension of the validity of the performance security to cover approved contract time extensions.
- 7.6. In case of a reduction in the contract value or for partially completed Works under the contract which are usable and accepted by the BULACAN STATE UNIVERSITY the use of which, in the judgment of the implementing agency or the BULACAN STATE UNIVERSITY, will not affect the structural integrity of the entire project, the Procuring Entity shall allow a proportional reduction in the original performance security, provided that any such reduction is more than ten percent (10%) and that the aggregate of such reductions is not more than fifty percent (50%) of the original performance security.
- 7.7. Unless otherwise indicated in the SCC, the Contractor, by entering into the Contract with the BULACAN STATE UNIVERSITY, acknowledges the right of the Procuring Entity to institute action pursuant to Act 3688 against any subcontractor be they an individual, firm, partnership, corporation, or association supplying the Contractor with labor, materials and/or equipment for the performance of this Contract.

## **8. Subcontracting**

- 8.1. Unless otherwise indicated in the SCC, the Contractor cannot subcontract Works more than the percentage specified in **ITB** Clause 8.1.
- 8.2. Subcontracting of any portion of the Works does not relieve the Contractor of any liability or obligation under this Contract. The Contractor will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants or workmen as fully as if these were the Contractor's own acts, defaults, or negligence, or those of its agents, servants or workmen.

- 8.3. Subcontractors disclosed and identified during the bidding may be changed during the implementation of this Contract, subject to compliance with the required qualifications and the approval of the Procuring Entity.

## **9. Liquidated Damages**

- 9.1. The Contractor shall pay liquidated damages to the BULACAN STATE UNIVERSITY for each day that the Completion Date is later than the Intended Completion Date. The applicable liquidated damages is at least one-tenth (1/10) of a percent of the cost of the unperformed portion for every day of delay. The total amount of liquidated damages shall not exceed ten percent (10%) of the amount of the contract. The BULACAN STATE UNIVERSITY may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor. Once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of this Contract, the BULACAN STATE UNIVERSITY shall rescind this Contract, without prejudice to other courses of action and remedies open to it.
- 9.2. If the Intended Completion Date is extended after liquidated damages have been paid, the Engineer of the BULACAN STATE UNIVERSITY shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate. The Contractor shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rates specified in **GCC** Clause 40.3.

## **10. Site Investigation Reports**

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

## **11. The Procuring Entity, Licenses and Permits**

The BULACAN STATE UNIVERSITY shall, if requested by the Contractor, assist him in applying for permits, licenses or approvals, which are required for the Works.

## **12. Contractor's Risk and Warranty Security**

- 12.1. The Contractor shall assume full responsibility for the Works from the time project construction commenced up to final acceptance by the BULACAN STATE UNIVERSITY and shall be held responsible for any damage or destruction of the Works except those occasioned by *force majeure*. The Contractor shall be fully responsible for the safety, protection, security, and convenience of his personnel, third parties, and the public at large, as well as the Works, Equipment, installation, and the like to be affected by his construction work.
- 12.2. The defects liability period for infrastructure projects shall be one year from contract completion up to final acceptance by the BULACAN STATE UNIVERSITY. During this period, the Contractor shall undertake the repair works, at his own expense, of any damage to the Works on account of the use



of materials of inferior quality within ninety (90) days from the time the Head of the BULACAN STATE UNIVERSITY has issued an order to undertake repair. In case of failure or refusal to comply with this mandate, the BULACAN STATE UNIVERSITY shall undertake such repair works and shall be entitled to full reimbursement of expenses incurred therein upon demand.

- 12.3. Unless otherwise indicated in the **SCC**, in case the Contractor fails to comply with the preceding paragraph, the BULACAN STATE UNIVERSITY shall forfeit its performance security, subject its property(ies) to attachment or garnishment proceedings, and perpetually disqualify it from participating in any public bidding. All payables of the GOP in his favor shall be offset to recover the costs.
- 12.4. After final acceptance of the Works by the BULACAN STATE UNIVERSITY, the Contractor shall be held responsible for “Structural Defects”, *i.e.*, major faults/flaws/deficiencies in one or more key structural elements of the project which may lead to structural failure of the completed elements or structure, or “Structural Failures”, *i.e.*, where one or more key structural elements in an infrastructure facility fails or collapses, thereby rendering the facility or part thereof incapable of withstanding the design loads, and/or endangering the safety of the users or the general public:
- (a) Contractor – Where Structural Defects/Failures arise due to faults attributable to improper construction, use of inferior quality/substandard materials, and any violation of the contract plans and specifications, the contractor shall be held liable;
  - (b) Consultants – Where Structural Defects/Failures arise due to faulty and/or inadequate design and specifications as well as construction supervision, then the consultant who prepared the design or undertook construction supervision for the project shall be held liable;
  - (c) BULACAN STATE UNIVERSITY’s Representatives/Project Manager/Construction Managers and Supervisors – The project owner’s representative(s), project manager, construction manager, and supervisor(s) shall be held liable in cases where the Structural Defects/Failures are due to his/their willful intervention in altering the designs and other specifications; negligence or omission in not approving or acting on proposed changes to noted defects or deficiencies in the design and/or specifications; and the use of substandard construction materials in the project;
  - (d) Third Parties - Third Parties shall be held liable in cases where Structural Defects/Failures are caused by work undertaken by them such as leaking pipes, diggings or excavations, underground cables and electrical wires, underground tunnel, mining shaft and the like, in which case the applicable warranty to such structure should be levied to third parties for their construction or restoration works.

- (e) Users - In cases where Structural Defects/Failures are due to abuse/misuse by the end user of the constructed facility and/or non-compliance by a user with the technical design limits and/or intended purpose of the same, then the user concerned shall be held liable.

12.5. The warranty against Structural Defects/Failures, except those occasioned on force majeure, shall cover the period specified in the SCC reckoned from the date of issuance of the Certificate of Final Acceptance by the BULACAN STATE UNIVERSITY.

12.6. The Contractor shall be required to put up a warranty security in the form of cash, bank guarantee, letter of credit, GSIS or surety bond callable on demand, in accordance with the following schedule:

Form of Warranty	Minimum Amount in Percentage (%) of Total Contract Price
(a) Cash or letter of credit issued by Universal or Commercial bank: provided, however, that the letter of credit shall be confirmed or authenticated by a Universal or Commercial bank, if issued by a foreign bank	Five Percent (5%)
(b) Bank guarantee confirmed by Universal or Commercial bank: provided, however, that the letter of credit shall be confirmed or authenticated by a Universal or Commercial bank, if issued by a foreign bank	Ten Percent (10%)
(c) Surety bond callable upon demand issued by GSIS or any surety or insurance company duly certified by the Insurance Commission	Thirty Percent (30%)

12.7. The warranty security shall be stated in Philippine Pesos and shall remain effective for one year from the date of issuance of the Certificate of Final Acceptance by the BULACAN STATE UNIVERSITY, and returned only after the lapse of said one year period.

12.8. In case of structural defects/failure occurring during the applicable warranty period provided in GCC Clause 12.5, the BULACAN STATE UNIVERSITY shall undertake the necessary restoration or reconstruction works and shall be entitled to full reimbursement by the parties found to be liable for expenses incurred therein upon demand, without prejudice to the filing of appropriate administrative, civil, and/or criminal charges against the responsible persons as well as the forfeiture of the warranty security posted in favor of the BULACAN STATE UNIVERSITY.

### **13. Liability of the Contractor**

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

### **14. Procuring Entity's Risk**

14.1. From the Start Date until the Certificate of Final Acceptance has been issued, the following are risks of the BULACAN STATE UNIVERSITY:

- (a) The risk of personal injury, death, or loss of or damage to property (excluding the Works, Plant, Materials, and Equipment), which are due to:
  - (i) any type of use or occupation of the Site authorized by the Procuring Entity after the official acceptance of the works; or
  - (ii) negligence, breach of statutory duty, or interference with any legal right by the BULACAN STATE UNIVERSITY or by any person employed by or contracted to him except the Contractor.
- (b) The risk of damage to the Works, Plant, Materials, and Equipment to the extent that it is due to a fault of the Procuring Entity or in the BULACAN STATE UNIVERSITY's design, or due to war or radioactive contamination directly affecting the country where the Works are to be executed.

### **15. Insurance**

15.1. The Contractor shall, under his name and at his own expense, obtain and maintain, for the duration of this Contract, the following insurance coverage:

- (a) Contractor's All Risk Insurance;
- (b) Transportation to the project Site of Equipment, Machinery, and Supplies owned by the Contractor;
- (c) Personal injury or death of Contractor's employees; and
- (d) Comprehensive insurance for third party liability to Contractor's direct or indirect act or omission causing damage to third persons.

15.2. The Contractor shall provide evidence to the BULACAN STATE UNIVERSITY's Representative that the insurances required under this Contract have been effected and shall, within a reasonable time, provide copies of the insurance policies to the BULACAN STATE UNIVERSITY's Representative. Such evidence and such policies shall be provided to the BULACAN STATE UNIVERSITY's through the BULACAN STATE UNIVERSITY's Representative.

- 15.3. The Contractor shall notify the insurers of changes in the nature, extent, or program for the execution of the Works and ensure the adequacy of the insurances at all times in accordance with the terms of this Contract and shall produce to the BULACAN STATE UNIVERSITY's Representative the insurance policies in force including the receipts for payment of the current premiums.

The above insurance policies shall be obtained from any reputable insurance company approved by the BULACAN STATE UNIVERSITY's Representative.

- 15.4. If the Contractor fails to obtain and keep in force the insurances referred to herein or any other insurance which he may be required to obtain under the terms of this Contract, the BULACAN STATE UNIVERSITY may obtain and keep in force any such insurances and pay such premiums as may be necessary for the purpose. From time to time, the BULACAN STATE UNIVERSITY may deduct the amount it shall pay for said premiums including twenty five percent (25%) therein from any monies due, or which may become due, to the Contractor, without prejudice to the BULACAN STATE UNIVERSITY exercising its right to impose other sanctions against the Contractor pursuant to the provisions of this Contract.
- 15.5. In the event the Contractor fails to observe the above safeguards, the BULACAN STATE UNIVERSITY may, at the Contractor's expense, take whatever measure is deemed necessary for its protection and that of the Contractor's personnel and third parties, and/or order the interruption of dangerous Works. In addition, the Procuring Entity may refuse to make the payments under GCC Clause 40 until the Contractor complies with this Clause.
- 15.6. The Contractor shall immediately replace the insurance policy obtained as required in this Contract, without need of the BULACAN STATE UNIVERSITY's demand, with a new policy issued by a new insurance company acceptable to the BULACAN STATE UNIVERSITY for any of the following grounds:
- (a) The issuer of the insurance policy to be replaced has:
    - (i) become bankrupt;
    - (ii) been placed under receivership or under a management committee;
    - (iii) been sued for suspension of payment; or
    - (iv) been suspended by the Insurance Commission and its license to engage in business or its authority to issue insurance policies cancelled; or

- (v) Where reasonable grounds exist that the insurer may not be able, fully and promptly, to fulfill its obligation under the insurance policy.

## **16. Termination for Default of Contractor**

- 16.1. The BULACAN STATE UNIVERSITY shall terminate this Contract for default when any of the following conditions attend its implementation:
- 16.2. Due to the Contractor's fault and while the project is on-going, it has incurred negative slippage of fifteen percent (15%) or more in accordance with Presidential Decree 1870, regardless of whether or not previous warnings and notices have been issued for the Contractor to improve his performance;
- 16.3. Due to its own fault and after this Contract time has expired, the Contractor incurs delay in the completion of the Work after this Contract has expired; or
- 16.4. The Contractor:
  - (a) abandons the contract Works, refuses or fails to comply with a valid instruction of the Procuring Entity or fails to proceed expeditiously and without delay despite a written notice by the BULACAN STATE UNIVERSITY;
  - (b) does not actually have on the project Site the minimum essential equipment listed on the Bid necessary to prosecute the Works in accordance with the approved Program of Work and equipment deployment schedule as required for the project;
  - (c) does not execute the Works in accordance with this Contract or persistently or flagrantly neglects to carry out its obligations under this Contract;
  - (d) neglects or refuses to remove materials or to perform a new Work that has been rejected as defective or unsuitable; or
  - (e) sub-lets any part of this Contract without approval by the BULACAN STATE UNIVERSITY.
- 16.5. All materials on the Site, Plant, Equipment, and Works shall be deemed to be the property of the BULACAN STATE UNIVERSITY if this Contract is rescinded because of the Contractor's default.

## **17. Termination for Default of Procuring Entity**

The Contractor may terminate this Contract with the BULACAN STATE UNIVERSITY if the works are completely stopped for a continuous period of at least sixty (60) calendar days through no fault of its own, due to any of the following reasons:

- (a) Failure of the BULACAN STATE UNIVERSITY to deliver, within a reasonable time, supplies, materials, right-of-way, or other items it is obligated to furnish under the terms of this Contract; or
- (b) The prosecution of the Work is disrupted by the adverse peace and order situation, as certified by the Armed Forces of the Philippines Provincial Commander and approved by the Secretary of National Defense.

## **18. Termination for Other Causes**

- 18.1. The BULACAN STATE UNIVERSITY may terminate this Contract, in whole or in part, at any time for its convenience. The Head of the BULACAN STATE UNIVERSITY may terminate this Contract for the convenience of the BULACAN STATE UNIVERSITY if he has determined the existence of conditions that make Project Implementation economically, financially or technically impractical and/or unnecessary, such as, but not limited to, fortuitous event(s) or changes in law and National Government policies.
- 18.2. The BULACAN STATE UNIVERSITY or the Contractor may terminate this Contract if the other party causes a fundamental breach of this Contract.
- 18.3. Fundamental breaches of Contract shall include, but shall not be limited to, the following:
  - (a) The Contractor stops work for twenty eight (28) days when no stoppage of work is shown on the current Program of Work and the stoppage has not been authorized by the BULACAN STATE UNIVERSITY's Representative;
  - (b) The BULACAN STATE UNIVERSITY's Representative instructs the Contractor to delay the progress of the Works, and the instruction is not withdrawn within twenty eight (28) days;
  - (c) The BULACAN STATE UNIVERSITY shall terminate this Contract if the Contractor is declared bankrupt or insolvent as determined with finality by a court of competent jurisdiction. In this event, termination will be without compensation to the Contractor, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the BULACAN STATE UNIVERSITY and/or the Contractor. In the case of the Contractor's insolvency, any Contractor's Equipment which the BULACAN STATE UNIVERSITY instructs in the notice is to be used until the completion of the Works;
  - (d) A payment certified by the BULACAN STATE UNIVERSITY's Representative is not paid by the BULACAN STATE UNIVERSITY to the Contractor within eighty four (84) days from the date of the BULACAN STATE UNIVERSITY's Representative's certificate;
  - (e) The BULACAN STATE UNIVERSITY's Representative gives Notice that failure to correct a particular Defect is a fundamental breach of

Contract and the Contractor fails to correct it within a reasonable period of time determined by the BULACAN STATE UNIVERSITY's Representative;

- (f) The Contractor does not maintain a Security, which is required;
- (g) The Contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid, as defined in the **GCC** Clause 9; and
- (h) In case it is determined prima facie by the BULACAN STATE UNIVERSITY that the Contractor has engaged, before or during the implementation of the contract, in unlawful deeds and behaviors relative to contract acquisition and implementation, such as, but not limited to, the following:
  - (i) corrupt, fraudulent, collusive, coercive, and obstructive practices as defined in **ITB** Clause 3.1(a), unless otherwise specified in the SCC;
  - (ii) drawing up or using forged documents;
  - (iii) using adulterated materials, means or methods, or engaging in production contrary to rules of science or the trade; and
  - (iv) any other act analogous to the foregoing.

18.4. The Funding Source or the BULACAN STATE UNIVERSITY, as appropriate, will seek to impose the maximum civil, administrative and/or criminal penalties available under the applicable law on individuals and organizations deemed to be involved with corrupt, fraudulent, or coercive practices.

18.5. When persons from either party to this Contract gives notice of a fundamental breach to the BULACAN STATE UNIVERSITY's Representative in order to terminate the existing contract for a cause other than those listed under **GCC** Clause 18.3, the BULACAN STATE UNIVERSITY's Representative shall decide whether the breach is fundamental or not.

18.6. If this Contract is terminated, the Contractor shall stop work immediately, make the Site safe and secure, and leave the Site as soon as reasonably possible.

## **19. Procedures for Termination of Contracts**

19.1. The following provisions shall govern the procedures for the termination of this Contract:

- (a) Upon receipt of a written report of acts or causes which may constitute ground(s) for termination as aforementioned, or upon its own initiative, the BULACAN STATE UNIVERSITY shall, within a period of seven

(7) calendar days, verify the existence of such ground(s) and cause the execution of a Verified Report, with all relevant evidence attached;

- (b) Upon recommendation by the BULACAN STATE UNIVERSITY, the Head of the BULACAN STATE UNIVERSITY shall terminate this Contract only by a written notice to the Contractor conveying the termination of this Contract. The notice shall state:
  - (i) that this Contract is being terminated for any of the ground(s) afore-mentioned, and a statement of the acts that constitute the ground(s) constituting the same;
  - (ii) the extent of termination, whether in whole or in part;
  - (iii) an instruction to the Contractor to show cause as to why this Contract should not be terminated; and
  - (iv) special instructions of the BULACAN STATE UNIVERSITY, if any.

The Notice to Terminate shall be accompanied by a copy of the Verified Report;

- (c) Within a period of seven (7) calendar days from receipt of the Notice of Termination, the Contractor shall submit to the Head of the BULACAN STATE UNIVERSITY a verified position paper stating why the contract should not be terminated. If the Contractor fails to show cause after the lapse of the seven (7) day period, either by inaction or by default, the Head of the BULACAN STATE UNIVERSITY shall issue an order terminating the contract;
- (d) The BULACAN STATE UNIVERSITY may, at anytime before receipt of the Bidder's verified position paper described in item (c) above withdraw the Notice to Terminate if it is determined that certain items or works subject of the notice had been completed, delivered, or performed before the Contractor's receipt of the notice;
- (e) Within a non-extendible period of ten (10) calendar days from receipt of the verified position paper, the Head of the BULACAN STATE UNIVERSITY shall decide whether or not to terminate this Contract. It shall serve a written notice to the Contractor of its decision and, unless otherwise provided in the said notice, this Contract is deemed terminated from receipt of the Contractor of the notice of decision. The termination shall only be based on the ground(s) stated in the Notice to Terminate; and
- (f) The Head of the BULACAN STATE UNIVERSITY may create a Contract Termination Review Committee (CTRC) to assist him in the discharge of this function. All decisions recommended by the CTRC shall be subject to the approval of the Head of the BULACAN STATE UNIVERSITY.



- 19.2. Pursuant to Section 69(f) of RA 9184 and without prejudice to the imposition of additional administrative sanctions as the internal rules of the agency may provide and/or further criminal prosecution as provided by applicable laws, the BULACAN STATE UNIVERSITY shall impose on contractors after the termination of the contract the penalty of suspension for one (1) year for the first offense, suspension for two (2) years for the second offense from participating in the public bidding process, for violations committed during the contract implementation stage, which include but not limited to the following:
- (a) Failure of the contractor, due solely to his fault or negligence, to mobilize and start work or performance within the specified period in the Notice to Proceed (“NTP”);
  - (b) Failure by the contractor to fully and faithfully comply with its contractual obligations without valid cause, or failure by the contractor to comply with any written lawful instruction of the procuring entity or its representative(s) pursuant to the implementation of the contract. For the procurement of infrastructure projects or consultancy contracts, lawful instructions include but are not limited *to* the following:
    - (i) Employment of competent technical personnel, competent engineers and/or work supervisors;
    - (ii) Provision of warning signs and barricades in accordance with approved plans and specifications and contract provisions;
    - (iii) Stockpiling in proper places of all materials and removal from the project site of waste and excess materials, including broken pavement and excavated debris in accordance with approved plans and specifications and contract provisions;
    - (iv) Deployment of committed equipment, facilities, support staff and manpower; and
    - (v) Renewal of the effectivity dates of the performance security after its expiration during the course of contract implementation.
  - (c) Assignment and subcontracting of the contract or any part thereof or substitution of key personnel named in the proposal without prior written approval by the BULACAN STATE UNIVERSITY.
  - (d) Poor performance by the contractor or unsatisfactory quality and/or progress of work arising from his fault or negligence as reflected in the Constructor's Performance Evaluation System (“CPES”) rating sheet. In the absence of the CPES rating sheet, the existing performance monitoring system of the procuring entity shall be applied. Any of the following acts by the Contractor shall be construed as poor performance:

- (i) Negative slippage of 15% and above within the critical path of the project due entirely to the fault or negligence of the contractor; and
- (ii) Quality of materials and workmanship not complying with the approved specifications arising from the contractor's fault or negligence.
- (e) Willful or deliberate abandonment or non-performance of the project or contract by the contractor resulting to substantial breach thereof without lawful and/or just cause.

In addition to the penalty of suspension, the performance security posted by the contractor shall also be forfeited.

## **20. Force Majeure, Release From Performance**

- 20.1. For purposes of this Contract the terms “*force majeure*” and “fortuitous event” may be used interchangeably. In this regard, a fortuitous event or *force majeure* shall be interpreted to mean an event which the Contractor could not have foreseen, or which though foreseen, was inevitable. It shall not include ordinary unfavorable weather conditions; and any other cause the effects of which could have been avoided with the exercise of reasonable diligence by the Contractor.
- 20.2. If this Contract is discontinued by an outbreak of war or by any other event entirely outside the control of either the BULACAN STATE UNIVERSITY or the Contractor, the BULACAN STATE UNIVERSITY’s Representative shall certify that this Contract has been discontinued. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all works carried out before receiving it and for any Work carried out afterwards to which a commitment was made.
- 20.3. If the event continues for a period of eighty four (84) days, either party may then give notice of termination, which shall take effect twenty eight (28) days after the giving of the notice.
- 20.4. After termination, the Contractor shall be entitled to payment of the unpaid balance of the value of the Works executed and of the materials and Plant reasonably delivered to the Site, adjusted by the following:
  - (a) any sum to which the Contractor is entitled under GCC Clause 28;
  - (b) the cost of his suspension and demobilization;
  - (c) any sum to which the BULACAN STATE UNIVERSITY is entitled.
- 20.5. The net balance due shall be paid or repaid within a reasonable time period from the time of the notice of termination.

## **21. Resolution of Disputes**

- 21.1. If any dispute or difference of any kind whatsoever shall arise between the parties in connection with the implementation of the contract covered by the Act and this IRR, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
- 21.2. If the Contractor believes that a decision taken by the BULACAN STATE UNIVERSITY's Representative was either outside the authority given to the BULACAN STATE UNIVERSITY's Representative by this Contract or that the decision was wrongly taken, the decision shall be referred to the Arbitrator indicated in the **SCC** within fourteen (14) days of the notification of the BULACAN STATE UNIVERSITY's Representative's decision.
- 21.3. Any and all disputes arising from the implementation of this Contract covered by the R.A. 9184 and its IRR shall be submitted to arbitration in the Philippines according to the provisions of Republic Act No. 876, otherwise known as the "Arbitration Law" and Republic Act 9285, otherwise known as the "Alternative Dispute Resolution Act of 2004": *Provided, however, That*, disputes that are within the competence of the Construction Industry Arbitration Commission to resolve shall be referred thereto. The process of arbitration shall be incorporated as a provision in this Contract that will be executed pursuant to the provisions of the Act and its IRR: *Provided, further, That*, by mutual agreement, the parties may agree in writing to resort to other alternative modes of dispute resolution.

## **22. Suspension of Loan, Credit, Grant, or Appropriation**

In the event that the Funding Source suspends the Loan, Credit, Grant, or Appropriation to the BULACAN STATE UNIVERSITY, from which part of the payments to the Contractor are being made:

- (a) The BULACAN STATE UNIVERSITY is obligated to notify the Contractor of such suspension within seven (7) days of having received the suspension notice.
- (b) If the Contractor has not received sums due it for work already done within forty five (45) days from the time the Contractor's claim for payment has been certified by the BULACAN STATE UNIVERSITY's Representative, the Contractor may immediately issue a suspension of work notice in accordance with **GCC** Clause 45.2.

## **23. Procuring Entity's Representative's Decisions**

- 23.1. Except where otherwise specifically stated, the BULACAN STATE UNIVERSITY's Representative will decide contractual matters between the BULACAN STATE UNIVERSITY and the Contractor in the role representing the BULACAN STATE UNIVERSITY.
- 23.2. The BULACAN STATE UNIVERSITY's Representative may delegate any of his duties and responsibilities to other people, except to the Arbitrator, after

notifying the Contractor, and may cancel any delegation after notifying the Contractor.

**24. Approval of Drawings and Temporary Works by the Procuring Entity's Representative**

- 24.1. All Drawings prepared by the Contractor for the execution of the Temporary Works, are subject to prior approval by the BULACAN STATE UNIVERSITY's Representative before its use.
- 24.2. The Contractor shall be responsible for design of Temporary Works.
- 24.3. The BULACAN STATE UNIVERSITY's Representative's approval shall not alter the Contractor's responsibility for design of the Temporary Works.
- 24.4. The Contractor shall obtain approval of third parties to the design of the Temporary Works, when required by the BULACAN STATE UNIVERSITY.

**25. Acceleration and Delays Ordered by the Procuring Entity's Representative**

- 25.1. When the BULACAN STATE UNIVERSITY wants the Contractor to finish before the Intended Completion Date, the BULACAN STATE UNIVERSITY's Representative will obtain priced proposals for achieving the necessary acceleration from the Contractor. If the BULACAN STATE UNIVERSITY accepts these proposals, the Intended Completion Date will be adjusted accordingly and confirmed by both the BULACAN STATE UNIVERSITY and the Contractor.
- 25.2. If the Contractor's Financial Proposals for an acceleration are accepted by the BULACAN STATE UNIVERSITY, they are incorporated in the Contract Price and treated as a Variation.

**26. Extension of the Intended Completion Date**

- 26.1. The BULACAN STATE UNIVERSITY's Representative shall extend the Intended Completion Date if a Variation is issued which makes it impossible for the Intended Completion Date to be achieved by the Contractor without taking steps to accelerate the remaining work, which would cause the Contractor to incur additional costs. No payment shall be made for any event which may warrant the extension of the Intended Completion Date.
- 26.2. The BULACAN STATE UNIVERSITY's Representative shall decide whether and by how much to extend the Intended Completion Date within twenty one (21) days of the Contractor asking the BULACAN STATE UNIVERSITY's Representative for a decision thereto after fully submitting all supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the new Intended Completion Date.

## **27. Right to Vary**

27.1. The BULACAN STATE UNIVERSITY's Representative with the prior approval of the BULACAN STATE UNIVERSITY may instruct Variations, up to a maximum cumulative amount of ten percent (10%) of the original contract cost.

27.2. Variations shall be valued as follows:

- (a) At a lump sum price agreed between the parties;
- (b) where appropriate, at rates in this Contract;
- (c) in the absence of appropriate rates, the rates in this Contract shall be used as the basis for valuation; or failing which
- (d) at appropriate new rates, equal to or lower than current industry rates and to be agreed upon by both parties and approved by the Head of the BULACAN STATE UNIVERSITY.

## **28. Contractor's Right to Claim**

If the Contractor incurs cost as a result of any of the events under **GCC** Clause 13, the Contractor shall be entitled to the amount of such cost. If as a result of any of the said events, it is necessary to change the Works, this shall be dealt with as a Variation.

## **29. Dayworks**

29.1. Subject to **GCC** Clause 43 on Variation Order, and if applicable as indicated in the **SCC**, the Dayworks rates in the Contractor's Bid shall be used for small additional amounts of work only when the BULACAN STATE UNIVERSITY's Representative has given written instructions in advance for additional work to be paid for in that way.

29.2. All work to be paid for as Dayworks shall be recorded by the Contractor on forms approved by the BULACAN STATE UNIVERSITY's Representative. Each completed form shall be verified and signed by the BULACAN STATE UNIVERSITY's Representative within two days of the work being done.

29.3. The Contractor shall be paid for Dayworks subject to obtaining signed Dayworks forms.

## **30. Early Warning**

30.1. The Contractor shall warn the BULACAN STATE UNIVERSITY's Representative at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the work, increase the Contract Price, or delay the execution of the Works. The BULACAN STATE UNIVERSITY's Representative may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the

Contract Price and Completion Date. The estimate shall be provided by the Contractor as soon as reasonably possible.

- 30.2. The Contractor shall cooperate with the BULACAN STATE UNIVERSITY's Representative in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the work and in carrying out any resulting instruction of the BULACAN STATE UNIVERSITY's Representative.

### **31. Program of Work**

- 31.1. Within the time stated in the SCC, the Contractor shall submit to the BULACAN STATE UNIVERSITY's Representative for approval a Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works.
- 31.2. An update of the Program of Work shall show the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work, including any changes to the sequence of the activities.
- 31.3. The Contractor shall submit to the BULACAN STATE UNIVERSITY's Representative for approval an updated Program of Work at intervals no longer than the period stated in the SCC. If the Contractor does not submit an updated Program of Work within this period, the BULACAN STATE UNIVERSITY's Representative may withhold the amount stated in the SCC from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program of Work has been submitted.
- 31.4. The BULACAN STATE UNIVERSITY's Representative's approval of the Program of Work shall not alter the Contractor's obligations. The Contractor may revise the Program of Work and submit it to the BULACAN STATE UNIVERSITY's Representative again at any time. A revised Program of Work shall show the effect of any approved Variations.
- 31.5. When the Program of Work is updated, the Contractor shall provide the BULACAN STATE UNIVERSITY's Representative with an updated cash flow forecast. The cash flow forecast shall include different currencies, as defined in the Contract, converted as necessary using the Contract exchange rates.
- 31.6. All Variations shall be included in updated Program of Work produced by the Contractor.

### **32. Management Conferences**

- 32.1. Either the BULACAN STATE UNIVERSITY's Representative or the Contractor may require the other to attend a Management Conference. The Management Conference shall review the plans for remaining work and deal with matters raised in accordance with the early warning procedure.

- 32.2. The BULACAN STATE UNIVERSITY's Representative shall record the business of Management Conferences and provide copies of the record to those attending the Conference and to the BULACAN STATE UNIVERSITY. The responsibility of the parties for actions to be taken shall be decided by the BULACAN STATE UNIVERSITY's Representative either at the Management Conference or after the Management Conference and stated in writing to all who attended the Conference.

### **33. Bill of Quantities**

- 33.1. The Bill of Quantities shall contain items of work for the construction, installation, testing, and commissioning of work to be done by the Contractor.
- 33.2. The Bill of Quantities is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the Bill of Quantities for each item.
- 33.3. If the final quantity of any work done differs from the quantity in the Bill of Quantities for the particular item and is not more than twenty five percent (25%) of the original quantity, provided the aggregate changes for all items do not exceed ten percent (10%) of the Contract price, the BULACAN STATE UNIVERSITY's Representative shall make the necessary adjustments to allow for the changes subject to applicable laws, rules, and regulations.
- 33.4. If requested by the BULACAN STATE UNIVERSITY's Representative, the Contractor shall provide the BULACAN STATE UNIVERSITY's Representative with a detailed cost breakdown of any rate in the Bill of Quantities.

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

- 34.1. The BULACAN STATE UNIVERSITY's personnel shall at all reasonable times during construction of the Work be entitled to examine, inspect, measure and test the materials and workmanship, and to check the progress of the construction.
- 34.2. If the BULACAN STATE UNIVERSITY's Representative instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no defect, the test shall be a Compensation Event.
- 34.3. The Contractor shall permit the Funding Source named in the SCC to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors appointed by the Funding Source, if so required by the Funding Source.

### **35. Identifying Defects**

The Procuring Entity's Representative shall check the Contractor's work and notify the Contractor of any defects that are found. Such checking shall not affect the

Contractor's responsibilities. The Procuring Entity's Representative may instruct the Contractor to search uncover defects and test any work that the Procuring Entity's Representative considers below standards and defective.

### **36. Cost of Repairs**

Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Liability Periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

### **37. Correction of Defects**

37.1. The BULACAN STATE UNIVERSITY's Representative shall give notice to the Contractor of any defects before the end of the Defects Liability Period, which is One (1) year from project completion up to final acceptance by the BULACAN STATE UNIVERSITY's.

37.2. Every time notice of a defect is given, the Contractor shall correct the notified defect within the length of time specified in the BULACAN STATE UNIVERSITY's Representative's notice.

37.3. The Contractor shall correct the defects which he notices himself before the end of the Defects Liability Period.

37.4. The BULACAN STATE UNIVERSITY shall certify that all defects have been corrected. If the BULACAN STATE UNIVERSITY considers that correction of a defect is not essential, he can request the Contractor to submit a quotation for the corresponding reduction in the Contract Price. If the BULACAN STATE UNIVERSITY accepts the quotation, the corresponding change in the SCC is a Variation.

### **38. Uncorrected Defects**

38.1. The BULACAN STATE UNIVERSITY shall give the Contractor at least fourteen (14) days notice of his intention to use a third party to correct a Defect. If the Contractor does not correct the Defect himself within the period, the BULACAN STATE UNIVERSITY may have the Defect corrected by the third party. The cost of the correction will be deducted from the Contract Price.

38.2. The use of a third party to correct defects that are uncorrected by the Contractor will in no way relieve the Contractor of its liabilities and warranties under the Contract.

### **39. Advance Payment**

39.1. The BULACAN STATE UNIVERSITY shall, upon a written request of the contractor which shall be submitted as a contract document, make an advance payment to the contractor in an amount not exceeding fifteen percent (15%) of



the total contract price, to be made in lump sum or, at the most two, installments according to a schedule specified in the **SCC**.

- 39.2. The advance payment shall be made only upon the submission to and acceptance by the BULACAN STATE UNIVERSITY of an irrevocable standby letter of credit of equivalent value from a commercial bank, a bank guarantee or a surety bond callable upon demand, issued by a surety or insurance company duly licensed by the Insurance Commission and confirmed by the BULACAN STATE UNIVERSITY.
- 39.3. The advance payment shall be repaid by the Contractor by an amount equal to the percentage of the total contract price used for the advance payment.
- 39.4. The contractor may reduce his standby letter of credit or guarantee instrument by the amounts refunded by the Monthly Certificates in the advance payment.
- 39.5. The BULACAN STATE UNIVERSITY will provide an Advance Payment on the Contract Price as stipulated in the Conditions of Contract, subject to the maximum amount stated in **SCC** Clause 39.1.

#### **40. Progress Payments**

- 40.1. The Contractor may submit a request for payment for Work accomplished. Such request for payment shall be verified and certified by the BULACAN STATE UNIVERSITY's Representative/Project Engineer. Except as otherwise stipulated in the **SCC**, materials and equipment delivered on the site but not completely put in place shall not be included for payment.
- 40.2. The BULACAN STATE UNIVERSITY shall deduct the following from the certified gross amounts to be paid to the contractor as progress payment:
  - (a) Cumulative value of the work previously certified and paid for.
  - (b) Portion of the advance payment to be recouped for the month.
  - (c) Retention money in accordance with the condition of contract.
  - (d) Amount to cover third party liabilities.
  - (e) Amount to cover uncorrected discovered defects in the works.
- 40.3. Payments shall be adjusted by deducting therefrom the amounts for advance payments and retention. The BULACAN STATE UNIVERSITY shall pay the Contractor the amounts certified by the BULACAN STATE UNIVERSITY's Representative within twenty eight (28) days from the date each certificate was issued. No payment of interest for delayed payments and adjustments shall be made by the BULACAN STATE UNIVERSITY.
- 40.4. The first progress payment may be paid by the BULACAN STATE UNIVERSITY to the Contractor provided that at least twenty percent (20%) of the work has been accomplished as certified by the BULACAN STATE UNIVERSITY's Representative.

- 40.5. Items of the Works for which a price of “0” (zero) has been entered will not be paid for by the BULACAN STATE UNIVERSITY and shall be deemed covered by other rates and prices in the Contract.

#### **41. Payment Certificates**

- 41.1. The Contractor shall submit to the BULACAN STATE UNIVERSITY’s Representative monthly statements of the estimated value of the work executed less the cumulative amount certified previously.
- 41.2. The BULACAN STATE UNIVERSITY’s Representative shall check the Contractor’s monthly statement and certify the amount to be paid to the Contractor.
- 41.3. The value of Work executed shall:
- (a) be determined by the BULACAN STATE UNIVERSITY’s Representative;
  - (b) comprise the value of the quantities of the items in the Bill of Quantities completed; and
  - (c) include the valuations of approved variations.
- 41.4. The BULACAN STATE UNIVERSITY’s Representative may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.

#### **42. Retention**

- 42.1. The BULACAN STATE UNIVERSITY shall retain from each payment due to the Contractor an amount equal to a percentage thereof using the rate as specified in **ITB** Sub-Clause 42.2.
- 42.2. Progress payments are subject to retention of ten percent (10%), referred to as the “retention money.” Such retention shall be based on the total amount due to the Contractor prior to any deduction and shall be retained from every progress payment until fifty percent (50%) of the value of Works, as determined by the BULACAN STATE UNIVERSITY, are completed. If, after fifty percent (50%) completion, the Work is satisfactorily done and on schedule, no additional retention shall be made; otherwise, the ten percent (10%) retention shall again be imposed using the rate specified therefor.
- 42.3. The total “retention money” shall be due for release upon final acceptance of the Works. The Contractor may, however, request the substitution of the retention money for each progress billing with irrevocable standby letters of credit from a commercial bank, bank guarantees or surety bonds callable on demand, of amounts equivalent to the retention money substituted for and acceptable to the BULACAN STATE UNIVERSITY, provided that the project is on schedule and is satisfactorily undertaken. Otherwise, the ten (10%) percent retention shall be made. Said irrevocable standby letters of

credit, bank guarantees and/or surety bonds, to be posted in favor of the Government shall be valid for a duration to be determined by the concerned implementing office/agency or BULACAN STATE UNIVERSITY and will answer for the purpose for which the ten (10%) percent retention is intended, *i.e.*, to cover uncorrected discovered defects and third party liabilities.

- 42.4. On completion of the whole Works, the Contractor may substitute retention money with an “on demand” Bank guarantee in a form acceptable to the BULACAN STATE UNIVERSITY.

### **43. Variation Orders**

- 43.1. Variation Orders may be issued by the BULACAN STATE UNIVERSITY to cover any increase/decrease in quantities, including the introduction of new work items that are not included in the original contract or reclassification of work items that are either due to change of plans, design or alignment to suit actual field conditions resulting in disparity between the preconstruction plans used for purposes of bidding and the “as staked plans” or construction drawings prepared after a joint survey by the Contractor and the BULACAN STATE UNIVERSITY after award of the contract, provided that the cumulative amount of the Variation Order does not exceed ten percent (10%) of the original project cost. The addition/deletion of Works should be within the general scope of the project as bid and awarded. The scope of works shall not be reduced so as to accommodate a positive Variation Order. A Variation Order may either be in the form of a Change Order or Extra Work Order.
- 43.2. A Change Order may be issued by the BULACAN STATE UNIVERSITY to cover any increase/decrease in quantities of original Work items in the contract.
- 43.3. An Extra Work Order may be issued by the BULACAN STATE UNIVERSITY to cover the introduction of new work necessary for the completion, improvement or protection of the project which were not included as items of Work in the original contract, such as, where there are subsurface or latent physical conditions at the site differing materially from those indicated in the contract, or where there are duly unknown physical conditions at the site of an unusual nature differing materially from those ordinarily encountered and generally recognized as inherent in the Work or character provided for in the contract.
- 43.4. Any cumulative Variation Order beyond ten percent (10%) shall be subject of another contract to be bid out if the works are separable from the original contract. In exceptional cases where it is urgently necessary to complete the original scope of work, the Head of the BULACAN STATE UNIVERSITY may authorize a positive Variation Order go beyond ten percent (10%) but not more than twenty percent (20%) of the original contract price, subject to the guidelines to be determined by the GPPB: *Provided, however,* That appropriate sanctions shall be imposed on the designer, consultant or official responsible for the original detailed engineering design which failed to consider the Variation Order beyond ten percent (10%).

43.5. In claiming for any Variation Order, the Contractor shall, within seven (7) calendar days after such work has been commenced or after the circumstances leading to such condition(s) leading to the extra cost, and within twenty-eight (28) calendar days deliver a written communication giving full and detailed particulars of any extra cost in order that it may be investigated at that time. Failure to provide either of such notices in the time stipulated shall constitute a waiver by the contractor for any claim. The preparation and submission of Variation Orders are as follows:

- (a) If the BULACAN STATE UNIVERSITY's representative/Project Engineer believes that a Change Order or Extra Work Order should be issued, he shall prepare the proposed Order accompanied with the notices submitted by the Contractor, the plans therefore, his computations as to the quantities of the additional works involved per item indicating the specific stations where such works are needed, the date of his inspections and investigations thereon, and the log book thereof, and a detailed estimate of the unit cost of such items of work, together with his justifications for the need of such Change Order or Extra Work Order, and shall submit the same to the Head of the BULACAN STATE UNIVERSITY for approval.
- (b) The Head of the BULACAN STATE UNIVERSITY or his duly authorized representative, upon receipt of the proposed Change Order or Extra Work Order shall immediately instruct the technical staff of the BULACAN STATE UNIVERSITY's to conduct an on-the-spot investigation to verify the need for the Work to be prosecuted. A report of such verification shall be submitted directly to the Head of the BULACAN STATE UNIVERSITY or his duly authorized representative.
- (c) The, Head of the BULACAN STATE UNIVERSITY or his duly authorized representative, after being satisfied that such Change Order or Extra Work Order is justified and necessary, shall review the estimated quantities and prices and forward the proposal with the supporting documentation to the Head of BULACAN STATE UNIVERSITY for consideration.
- (d) If, after review of the plans, quantities and estimated unit cost of the items of work involved, the proper office of the BULACAN STATE UNIVERSITY empowered to review and evaluate Change Orders or Extra Work Orders recommends approval thereof, Head of the BULACAN STATE UNIVERSITY or his duly authorized representative, believing the Change Order or Extra Work Order to be in order, shall approve the same.
- (e) The timeframe for the processing of Variation Orders from the preparation up to the approval by the Head of the BULACAN STATE UNIVERSITY concerned shall not exceed thirty (30) calendar days.

#### **44. Contract Completion**

Once the project reaches an accomplishment of ninety five (95%) of the total contract amount, the BULACAN STATE UNIVERSITY may create an inspectorate team to make preliminary inspection and submit a punch-list to the Contractor in preparation for the final turnover of the project. Said punch-list will contain, among others, the remaining Works, Work deficiencies for necessary corrections, and the specific duration/time to fully complete the project considering the approved remaining contract time. This, however, shall not preclude the claim of the BULACAN STATE UNIVERSITY for liquidated damages.

#### **45. Suspension of Work**

- 45.1. The BULACAN STATE UNIVERSITY shall have the authority to suspend the work wholly or partly by written order for such period as may be deemed necessary, due to *force majeure* or any fortuitous events or for failure on the part of the Contractor to correct bad conditions which are unsafe for workers or for the general public, to carry out valid orders given by the BULACAN STATE UNIVERSITY or to perform any provisions of the contract, or due to adjustment of plans to suit field conditions as found necessary during construction. The Contractor shall immediately comply with such order to suspend the work wholly or partly.
- 45.2. The Contractor or its duly authorized representative shall have the right to suspend work operation on any or all projects/activities along the critical path of activities after fifteen (15) calendar days from date of receipt of written notice from the Contractor to the district engineer/regional director/consultant or equivalent official, as the case may be, due to the following:
  - (a) There exist right-of-way problems which prohibit the Contractor from performing work in accordance with the approved construction schedule.
  - (b) Requisite construction plans which must be owner-furnished are not issued to the contractor precluding any work called for by such plans.
  - (c) Peace and order conditions make it extremely dangerous, if not possible, to work. However, this condition must be certified in writing by the Philippine National Police (PNP) station which has responsibility over the affected area and confirmed by the Department of Interior and Local Government (DILG) Regional Director.
  - (d) There is failure on the part of the BULACAN STATE UNIVERSITY to deliver government-furnished materials and equipment as stipulated in the contract.
  - (e) Delay in the payment of Contractor's claim for progress billing beyond forty-five (45) calendar days from the time the Contractor's claim has been certified to by the BULACAN STATE UNIVERSITY's authorized representative that the documents are complete unless there

are justifiable reasons thereof which shall be communicated in writing to the Contractor.

- 45.3. In case of total suspension, or suspension of activities along the critical path, which is not due to any fault of the Contractor, the elapsed time between the effective order of suspending operation and the order to resume work shall be allowed the Contractor by adjusting the contract time accordingly.

#### **46. Payment on Termination**

- 46.1. If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the BULACAN STATE UNIVERSITY's Representative shall issue a certificate for the value of the work done and Materials ordered less advance payments received up to the date of the issue of the certificate and less the percentage to apply to the value of the work not completed, as indicated in the SCC. Additional Liquidated Damages shall not apply. If the total amount due to the BULACAN STATE UNIVERSITY exceeds any payment due to the Contractor, the difference shall be a debt payable to the BULACAN STATE UNIVERSITY.
- 46.2. If the Contract is terminated for the BULACAN STATE UNIVERSITY's convenience or because of a fundamental breach of Contract by the BULACAN STATE UNIVERSITY, the BULACAN STATE UNIVERSITY's Representative shall issue a certificate for the value of the work done, Materials ordered, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works, and less advance payments received up to the date of the certificate.
- 46.3. The net balance due shall be paid or repaid within twenty eight (28) days from the notice of termination.
- 46.4. If the Contractor has terminated the Contract under GCC Clauses 17 or 18, the BULACAN STATE UNIVERSITY shall promptly return the Performance Security to the Contractor.

#### **47. Extension of Contract Time**

- 47.1. Should the amount of additional work of any kind or other special circumstances of any kind whatsoever occur such as to fairly entitle the contractor to an extension of contract time, the BULACAN STATE UNIVERSITY shall determine the amount of such extension; provided that the BULACAN STATE UNIVERSITY is not bound to take into account any claim for an extension of time unless the Contractor has, prior to the expiration of the contract time and within thirty (30) calendar days after such work has been commenced or after the circumstances leading to such claim have arisen, delivered to the BULACAN STATE UNIVERSITY notices in order that it could have investigated them at that time. Failure to provide such notice shall constitute a waiver by the Contractor of any claim. Upon receipt of full and detailed particulars, the BULACAN STATE UNIVERSITY shall examine the facts and extent of the delay and shall extend the contract time completing the

contract work when, in the BULACAN STATE UNIVERSITY's opinion, the findings of facts justify an extension.

- 47.2. No extension of contract time shall be granted the Contractor due to (a) ordinary unfavorable weather conditions and (b) inexcusable failure or negligence of Contractor to provide the required equipment, supplies or materials.
- 47.3. Extension of contract time may be granted only when the affected activities fall within the critical path of the PERT/CPM network.
- 47.4. No extension of contract time shall be granted when the reason given to support the request for extension was already considered in the determination of the original contract time during the conduct of detailed engineering and in the preparation of the contract documents as agreed upon by the parties before contract perfection.
- 47.5. Extension of contract time shall be granted for rainy/unworkable days considered unfavorable for the prosecution of the works at the site, based on the actual conditions obtained at the site, in excess of the number of rainy/unworkable days pre-determined by the BULACAN STATE UNIVERSITY in relation to the original contract time during the conduct of detailed engineering and in the preparation of the contract documents as agreed upon by the parties before contract perfection, and/or for equivalent period of delay due to major calamities such as exceptionally destructive typhoons, floods and earthquakes, and epidemics, and for causes such as non-delivery on time of materials, working drawings, or written information to be furnished by the BULACAN STATE UNIVERSITY, non-acquisition of permit to enter private properties within the right-of-way resulting in complete paralyzation of construction activities, and other meritorious causes as determined by the BULACAN STATE UNIVERSITY's Representative and approved by the Head of the BULACAN STATE UNIVERSITY. Shortage of construction materials, general labor strikes, and peace and order problems that disrupt construction operations through no fault of the Contractor may be considered as additional grounds for extension of contract time provided they are publicly felt and certified by appropriate government agencies such as DTI, DOLE, DILG, and DND, among others. The written consent of bondsmen must be attached to any request of the Contractor for extension of contract time and submitted to the BULACAN STATE UNIVERSITY for consideration and the validity of the Performance Security shall be correspondingly extended.

#### **48. Price Adjustment**

Except for extraordinary circumstances as determined by NEDA and approved by the GPPB, no price adjustment shall be allowed. Nevertheless, in cases where the cost of the awarded contract is affected by any applicable new laws, ordinances, regulations, or other acts of the GOP, promulgated after the date of bid opening, a contract price adjustment shall be made or appropriate relief shall be applied on a no loss-no gain basis.

#### **49. Completion**

The Contractor shall request the BULACAN STATE UNIVERSITY's Representative to issue a certificate of Completion of the Works, and the BULACAN STATE UNIVERSITY's Representative will do so upon deciding that the work is completed.

#### **50. Taking Over**

The BULACAN STATE UNIVERSITY shall take over the Site and the Works within seven (7) days from the date the BULACAN STATE UNIVERSITY's Representative issues a certificate of Completion.

#### **51. Operating and Maintenance Manuals**

- 51.1. If "as built" Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the **SCC**.
- 51.2. If the Contractor does not supply the Drawings and/or manuals by the dates stated in the **SCC**, or they do not receive the BULACAN STATE UNIVERSITY's Representative's approval, the BULACAN STATE UNIVERSITY's Representative shall withhold the amount stated in the **SCC** from payments due to the Contractor.



# Section V.

## Special Conditions of Contract

# Special Conditions of Contract

GCC Clause	
1.16	The <b>Intended Completion Date</b> is <u><i>Thirty (30) calendar days from receipt of Notice to Proceed.</i></u>
1.21	The <b>Procuring Entity</b> is <b>BULACAN STATE UNIVERSITY.</b>
1.22	The BULACAN STATE UNIVERSITY's <b>Representative</b> is DR. MARIANO C. DE JESUS, University President.
1.23	The <b>Site</b> is located <b><i>BULACAN STATE UNIVERSITY, Guinhawa, City of Malolos, Bulacan3000.</i></b>
1.27	The <b>Start Date</b> is <u><i>Within seven (7) calendar days from receipt of Notice to Proceed (NTP).</i></u>
1.30	The <b>Works</b> consist of installation of
5.1	The BULACAN STATE UNIVERSITY shall give possession of all parts of the Site to the Contractor <b>from receipt of Notice to Proceed</b>
6.5	The Contractor shall employ the following <b>Key Personnel:</b> <ul style="list-style-type: none"> <li>- <b>Licensed Professional Electronics/Electrical Engineer</b></li> <li>- <b>Certified Technicians</b></li> </ul>
7.4(c)	No further instructions.
7.7	No further instructions.
8.1	No further instructions.
10	<b>Site Inspection/Investigation Report.</b>
12.3	No further instructions.
12.5	<b>Manufacturer's Lifetime warranty for all active components (hardware) and at least 25 years for cabling system (Copper and Fiber)</b>
13	<i>If the Contractor is a joint venture, "All partners to the joint venture shall be jointly and severally liable to the BULACAN STATE UNIVERSITY."</i>
18.3(h)(i)	No further instructions.
21.2	The Arbiter is: <i>NCC Representative.</i>
29.1	Dayworks are applicable at the rate shown in the Contractor's original Bid,
31.1	The Contractor shall submit the Program of Work to the BULACAN STATE UNIVERSITY's Representative within <u><i>five (5) calendar days</i></u> from receipt of Notice of Award.
31.3	The period between Program of Work updates is <u><i>five (5) calendar days.</i></u>

	The amount to be withheld for late submission of an updated Program of Work is <b><u>equivalent to amount of progress payment.</u></b>
34.3	The Funding Source is Corporate Budget(Income).
39.1	The amount of the <b><u>advance payment is not more than 15% of the Contract Price</u></b> .
40.1	Materials and equipment delivered on the site and completely put in place shall be included for payment.
51.1	The date by which “as built” drawings are required is <b><u>within five (5) calendar) days after project completion.</u></b>
51.2	The amount to be withheld for failing to produce “as built” drawings and/or operating and maintenance manuals by the date required is <b><u>ten percent (10%) of the contract price.</u></b>

# Section VI.

## Specifications (Terms of Reference)

Project Title : **BSU IP TELEPHONY AND CABLING SYSTEM PROJECT**  
Location : **BSU-Main Campus, City of Malolos, Bulacan**  
Owner : **Bulacan State University**

## **TERMS OF REFERENCE**

### **1. SCOPE OF WORK**

1. Conduct site survey and gather information's for installation planning.
2. SUPPLY, DELIVERY, CONFIGURATION AND INSTALLATION OF NETWORK EQUIPMENT
3. FIBER-OPTIC CABLING

The following are the installation consideration:

- a. The extent of the Inter-building Fiber Optic Cabling Installation (The Project) will include the following as shown on the Drawings or as Specified herein:
- b. All cabling installations shall comply w/ the existing Cabling Installations Standards (ANSI/EIA/TIA)
- c. The Applicable bending radius and hauling tensions shall be strictly followed during the pulling of the cables.
- d. Fiber cables to be installed must be of a multi-mode outdoor type.
- e. The fiber cable connection will be installed overhead passing through the roads (2 floors min). The cables should be properly braced, and guided to prevent it from sagging.
- f. Cables should also be properly placed and installed so as not to be hit by traffic or any mobile materials.
- g. All cables running through and from the exterior of the building must be properly braced and painted.
- h. Cable bends shall not be less than that recommended by the manufacturer of the cable.
- i. Supply and installation and configuration of all cabling requirements, necessary terminations, accessories, termination requirements for the server room and LAN cabling.

### **2. GROUNDING**

The Contractor shall be responsible for the provision of grounding and bonding materials, duct plugs, and fire-stopping materials as appropriate. Other incidental hardware and appliances, necessary for the proper performance and operation of the communication cable system, which are consistent with the practices of aerial/outdoor cable installation, are to be provided by the Contractor at no additional charge to the University.

### **3. FIBER OPTIC CABLE TESTING**

Work covered by this Paragraph shall consist of furnishing labor, equipment and supplies unless otherwise specified, and in performing the following operations recognized as necessary for the successful testing and verification of the installation of the Fiber Optic cable plant described on the Drawings and required by these specifications. In addition, the Contractor shall:

1. Verify through Optical Time Dimension Reflectometer (OTDR) testing as well as visual inspection of manufacturers testing results, the quality of the fiber optic cable being installed.
2. Verify through power meter testing the attenuation of all point to point fiber optic strands.
3. Verify through OTDR testing the integrity of the point-to-point connections, the final installed connector-to-connector length of the fiber optic strands.
4. Verify through visual inspection of all fiber optic cable termination locations on Drawings, the integrity of the workmanship and the operability of the fiber optic media.

#### **A. Contractor Responsibility:**

1. The Contractor shall:
  - a. Coordinate a meeting with BSU personnel to discuss testing procedures, equipment, documentation, etc. to verify to the owner a complete understanding of requirements and schedule.
  - b. Complete quality control inspection and testing per this Specification.
  - c. Maintain fiber optic test technicians qualified to operate the test equipment (to be used) on the job site during testing.
  - d. Maintain test equipment in current calibration during testing operations.
  - e. Notify the Owner 48 hours in advance when work, technicians and equipment are prepared for Acceptance tests and inspections. Coordinate testing with the Owner beforehand to avoid delays in the Project schedule.
  - f. Maintain written record of tests pertinent for each fiber run and upon completion of testing, assemble and certify a final test report.
  - g. Maintain safety procedures and discipline when test equipment is emitting optical energy.

#### **B. Test Equipment**

1. Contractor will submit specification sheets for the test equipment to be utilized for Owner approval prior to commencement of testing.
2. Calibration
  - a. The Contractor is to ensure all test instruments are calibrated to provide measurements within stated accuracy.
  - b. Visible, dated calibration labels will be affixed to test instrumentation. Calibration will have been performed within 12 months of current testing operation.
  - c. The Contractor shall be prepared to present accurate records that indicate the calibration history of the equipment. The records should include the date and results of instruments calibrated or tested.
  - d. Test equipment is to be calibrated using a standard of higher accuracy than that of the instrument tested.

#### **4. EQUIPMENT INSTALLATION AND CABLE TERMINATIONS**

1. All equipment shall be installed in a neat and professional manner, arranged for convenient operation, testing and future maintenance.
2. All fiber cables shall be installed and terminated by technicians experienced in the installation and termination of fiber cables.
3. The Contractor shall employ certified system installation technicians and have at least 5 years' experience in the installation of similar and equivalent systems.
4. The Contractor shall supply verification of experience, for this type of work, to BSU for approval before performing any work.

#### **5. MATERIALS AND WORKMANSHIP**

##### **MATERIALS**

1. All materials and equipment to be supplied shall be new and in accordance with the governing standard.
2. Materials and equipment shall be subject to a quality assurance/inspection of BSU. When required by the specification, or when requested by BSU, the Contractor shall furnish to BSU for approval, full information concerning the materials, equipment or articles which are proposed to be incorporated into work. Samples shall be submitted for quality assurance and acceptance when BSU so directs.

##### **WORKMANSHIP**

Workmanship shall be in accordance with high-grade commercial practice to ensure the satisfactory and reliable operation of the network in accordance with the provision of these specifications. Suppliers/Contractor shall have proven working experience with the installation of Ethernet Networks.

#### **6. TRAINING**

The CONTRACTOR shall provide training workshop for BSU representative in the configuration of hardware, software and maintenance of the network. The workshop will focus on ensuring that the network engineers of the universities learn to implement the best methodologies in design and operation of network, improve knowledge management. The main topics to be addressed are planning IP Telephony addressing/operation, network layer 2 (switching), routing, monitoring management and network security.

#### **7. CERTIFICATIONS**

The SUPPLIER/CONTACTOR shall provide proof of ISO Certification for System Integrator and proof of Certification of technical personnel who will perform hands-on installation and/or configuration of the products being tendered as required in the specification. These could be photocopies from the authorized distributor/reseller of the particular product.

## **8. STANDARDS**

Reference is made in these specifications to the standards listed below. Their latest revisions shall apply unless otherwise specified. In case of conflict between this specifications and the standards quoted, this specifications shall have precedence.

- a. IEEE 802.3u
- b. IEEE 802.3ab
- c. IEEE 802.3z
- d. IEEE 802.3b
- e. IEEE 802.3q
- f. IEEE 802.3d
- g. IEEE 802.3g/b
- h. IEEE 802.3aq

## **9. ACCEPTANCE PLAN**

- A. A Certificate of Acceptance shall be issued by BSU only after the SUPPLIER/CONTRACTOR has successfully completed the following activities:
  1. All equipment, devices and materials have been delivered, installed and configured.
  2. Power-on self test and manufacturer recommended diagnostic test have been conducted and results submitted where applicable, by the supplier on all cables, equipment and devices.
  3. Applicable integration of components has been setup.
  4. Actual testing of appropriate functionalities has been completed.
  5. Cable certification test conducted on all cables before (while on reel) and after installation/termination of connectors have been connected on each buildings. Appropriate LAN cable tester capable of testing Cat6 compliant UTP and fiber optic cable shall be used by the CONTRACTOR. Print-out of test result on each test cable is required.
  6. End-to end testing of all installed cables.
  7. Randomly selected workstations on each BSU building premises in all segments of the BSU network can avail of existing services in the network.
  8. Test results in PDF format.
  9. All necessary as-built drawings and documentations shall be provided upon project completion and acceptance. These shall cover the following;
    - a. Labeling of cables, patch cords, & patch panels. Client shall approve labeling / naming conventions before final printout and labeling.
    - b. As-built plans to be provided shall show all cable runs, cable trays, catenaries, and outlets, complete with the approved number or labeling conventions. These shall be done in AutoCAD format and PDF format.

## **10. WARRANTY**

1. Lifetime warranty for all switches with next business day advance replacement.
2. At least 25 years warranty for cabling system (Copper and Fiber).



3. 1 year warranty on parts and on-site service for IP Telephony System.
4. All installed equipment must conform to the manufacturer's official published specifications. The warranty shall begin at the system acceptance date. The contractor shall agree to repair, adjust, and/or replace (as determined by the BSU to be in its best interest) any defective equipment, materials, or other parts of the system at the contractor's sole cost. BSU will incur no costs for service or replacement of parts during the warranty period. All third party warranties shall be passed through from contractor to BSU. Should the contractor not be able to perform the warranty work, the manufacturer will either self-perform or subcontract the warranty work to be completed at no cost to the Owner (BSU).

Prepared by:

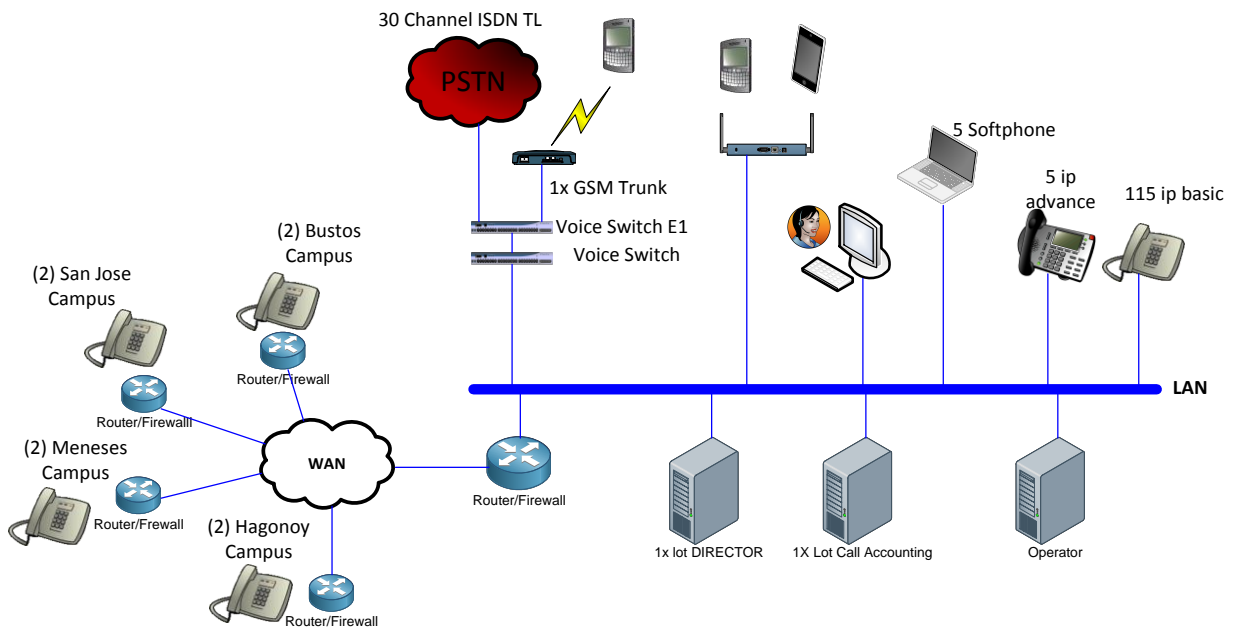
**Engr. Rogelio C. Pimentel**  
Director – MIS

# **Section VII.**

## **Drawings**

# BSU IP TELEPHONY AND CABLING SYSTEM PROJECT

## SOLUTION DIAGRAM:



## **SOLUTION CONFIGURATION SUMMARY**

### **A. Communications Platform**

- 30x ISDN Primary Rate Channels Trunklines for PSTN interface
- 4x Analog Trunks for GSM GW Interface
- 131x User Extension Licenses
- 120x IP user extension
- 5x Mobile-SIP Devices
- 5x Softphone
- 1x Operator Console, softphone

### **B. Applications:**

- 1x lot Auto Attendant (Can handle 250 maximum calls simultaneously, limit defined by PSTN trunks)
- 1x lot Built-in Paging System, Baby Phone
- 1x lot Native Conferencing (3-Party)
- 1x lot Office anywhere application
- 131x Unified Communication licenses
- 131x Presence Based Communications features
- 131x UC/CTI user interface portal “Communicator”
- 1x lot Web based System wide Administrative portal “Director”
- 1x lot Call Accounting System for 110 extensions
- 1x lot 4-SIM position GSM Trunk Gateway
- 1x lot Call Accounting System for 115 extension license

### **C. Communication Devices:**

- 115x IP Phone (Basic)
- 5x IP Phone (Advance)
- 5x Softphones (exclusive of laptops/desktops)
- 5x Mobile Access license (exclusive of smart phones)
- 1x Operator Console

### **D. Call Accounting (Software)**

- Call details Report Generator
- Reports includes: Calling Party, Calling Destination, Area Called, Number Called, Duration of Call, Cost of Call
- Reporting by Local, Department, Division, Company wide
- Filter-Rich reporting features

### **E. Others (Operator Console, Application Server and Cabling Systems)**

- 1 Set Rackmount Server with Monitor and UPS for Application Server
- 1 Set Rackmount Server with Monitor and UPS for Call Accounting
- 1 Set PC with Monitor and UPS for Operator Console with Headset
- 120 Nodes of Cat6 end to end Voice Structured Cabling Systems
- 15 units Gigabit Power Over Ethernet Injector
- 4 x Router
- 13 x Switches
- 1 x WAP

# **Section VIII.**

## **Bill of Quantities**



Republic of the Philippines  
**BULACAN STATE UNIVERSITY**  
 City of Malolos, Bulacan

Project **BULSU IP TELEPHONY AND CABLING SYSTEM PROJECT**  
 Owner **Bulacan State University**  
 Location **City of Malolos**

**BILL OF MATERIALS / PRICE SCHEDULE**

**IP TELEPHONY SYSTEMS:**

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE (PHP)	TOTAL AMOUNT
1	<b>IP TELEPHONY SYSTEMS</b>	<b>1</b>	<b>Lot</b>		
	Voice Switch (see attached specs)	1	Set		
	Voice Switch E1 (see attached specs)	1	Set		
	Power cord	2	Pcs.		
	Iphone (see attached specs)	115	Pcs.		
	IPhone w/ Anti-glare (see attached specs)	5	Pcs.		
	Extension Only License	131	Pcs.		
	SIP Device License	5	Pcs.		
	Mobile Access License	5	Pcs.		
	Operator Access License	1	Pc.		
	Partner 1 year – no phones	3329	Pcs.		
	Rack Mount Tray Gen4	1	Set		
	4 SIM Position GSM Gateway	1	Set		
	Call Accounting Systems sw Application (200 users)	1	Set		
	<b>SWITCHES, WAP'S AND INJECTORS</b>	<b>1</b>	<b>Lot</b>		
	8G-PoE Switch (see attached specs)	8	Units		
	24G-PoE+ Switch (see attached specs)	5	Units		
	1G SFP LC SX Transceiver	2	Units		
	Dual Radio 802.11n AP (WAP)	1	Unit		
	Gigabit Power over Ethernet (PoE) Injector (see attached specs)	15	Units		
	<b>BSU (4 SATELITE OFFICE – FIREWALL/ROUTER)</b>				
	FIREWALL/ROUTER	4	Units		
	<b>SERVERS (see attached specs)</b>				
	<b>Director Server (Application)</b>	1	Set		
	Gen8 NHP 4LFF CTO Server				
	Intel E3-1220v2 FIO Kit				
	4GB 2Rx8 PC3-12800E-11 Kit				
	500GB 6G SATA 7.2k 3.5in NHP MDL HDD x 2 ( <b>Mirror</b> )				
	HP 1U Security Bezel Gen8 Kit				
	Factory integrated				
	1U Friction Gen8 Rail FIO Kit				
	460W CS Gold Ht Plg Pwr Supply Kit x 2 ( <b>Redundant</b> )				
	Gen8 RPS Enablement FIO Kit				
	3y Nbd DL320e HW Support				

	<b>Call Accounting Server</b>	1	Set		
	Processor Core i3-3220				
	Intel Motherboard DH61BF				
	4G RAM				
	500GB SATA HDD				
	Rack Mount Casing with Power Supply				
	LED 18.5 Monitor				
	USB Keyboard and Mouse				
	Operating System Windows 7 Pro – 64bit				
	<b>OPERATOR PC</b>	1	Set		
	Processor Core I3-3220				
	Intel Motherboard DH61BF				
	2G RAM				
	500GB SATA HDD				
	Casing with PS				
	LED 18.5" Monitor				
	USB Keyboard and mouse				
	Operating System: Windows 7 Pro – 64bit				
	Power-Saving Back-UPS Pro 1200, 230V				
	Series Monaural Headset				
	<b>UPS FOR DIRECTOR AND CALL ACCOUNTING SERVER</b>				
	UPS 1980 Watts /2200 VA, Input 230V / Output 230V, (see attached specs)	1	Unit		
	Interface Port DB-9 RS-232, SmartSlot, USB, Rack Height 2U				
	<b>NETWORK OS FOR DIRECTOR AND CALL ACCOUNTING SERVER</b>	1	Lot		
	Windows Server Std 2012 SNGL OLP NL ACADEMIC 2	2	Units		
	<b>Professional Services:</b>	1	Lot		
	Project Management	1	Lot		
	Logistics Services	1	Lot		
	Installation and Commissioning	1	Lot		
	End User Training	1	Lot		
	Administrative Training for 2 pax for 2 days	1	Lot		
	<b>TOTAL COST (PHP)</b>				

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE (PHP)	TOTAL AMOUNT
2	<b>CABLING SYSTEMS</b>				
	<b>II. 1 IP TELEPHONY &amp; SURVEILLANCE CAMERA SYSTEMS:</b>				
	<b>II.1.1 Inter-building Fibre Optic Backbone:</b>				
	a. Supply & mounting of distribution frame cabinets to proposed locations & positions at College of Law Bldg. These include the supports & other consumable materials required in the proposed installations.				

b. Supply & layout of PVC pipes (intra-building installations) & messenger wire (inter-building via aerial) for the proposed inter-building Fiber optic backbone cabling pathways from the Existing Distribution Frame Cabinet of CHE Bldg to the proposed New Distribution Frame Cabinet at College of Law Bldg. These include the supports, boxes, fittings, & consumable materials required in the proposed installations.				
c. Supply & layout of 6Core, 50/125 Microns OM3, Multimode, Outdoor Fiber Optic Cable from the Existing Distribution Frame Cabinet of CHE Bldg to the proposed New Distribution Frame Cabinet at College of Law Bldg..				
d. Supply, termination & mounting of Inter-building Network Backbone cabling peripherals to proposed location & positions.				
e. Layout of Distribution Frame power supply (tapped to the nearest 230V AC source)				
f. Assistance in the Commissioning				
<b>Distribution Frame Enclosure:</b>				
Free-Standing Data Cabinet	2	Assy		
W-800mm x D-1000mm x H-7Feet, with 2 Slotted front vertical wire manager, 2 rear vertical wire manager, 2 Vertical PDU's (12-3Prong Universal Outlets) with twist locks, perforated doors w/ lock (rear and front doors), caster wheel and leveling feet, 4sets exhaust /ventilation fans, detachable side panels, powder coated (black), & mounting screws.				
Wall-Mount Data Cabinet (For College of Law Bldg)	1	Assy		
W-800mm x D-800mm x H-2Feet, with flexi glass door, 2Slotted front vertical wire manager, Vertical PDU (6-3Prong Universal Outlets) with twist locks, 2sets exhaust /ventilation fans, detachable side panels, powder coated (black), & mounting screws.				
<b>Electrical Components:</b>				
AC outlet with twist lock, hart-lock 15A 230V single receptacle & stainless plate	5	Sets		
Royal Cord, 2.0sq-mm, 3 wires with grounding 150m/roll	1	Roll		
FS Box (Surface Mount Box)	1	Pc		
<b>Consumables;</b> Restoration materials, metal drill bit, masonry drill bit, grinding disk, cutting disk, hacksaw blade, Ga#16 guide wire, blind rivets, masking tape, electrical tape, cable tie, etc.	1	Lot		
<b>Sub-Total (Php)</b>				
<b>FOC Cabling Peripherals:</b>				
12Port, SC Fiber Optic Patch Panel (loaded)	1	Set		
6Core, Outdoor-type, 50/125 micron, OM3 Multimode, Fiber Optic Cable (10G)	140	Lm		
Multimode SC Connectors	12	Pcs		
SC-LC, 50/125 Micron, Multimode, Fiber Optic Patch Cord, 2M	2	Sets		
Cable Manager, 1RU	1	Sets		
<b>Consumables;</b> Spare SC connectors, buffer tubing, shrinkable tube, polishing film (black, green, & white), adhesive, syringe, tissue paper, alcohol, cable tie, etc.	1	Lot		
<b>Sub-Total (Php)</b>				



<b>Roughing-ins (Cabling Pathway)s :</b>				
50mm-dia Service Entrance Cap	1	Pc		
50mm-dia PVC Pipe "Thick Wall"	1	Lght		
25mm-dia PVC Pipe "Thick Wall"	30	Lghts		
25mm-dia PVC Coupling	35	Pcs		
25mm-dia PVC Elbow	6	Pcs		
25mm-dia PVC Adapter	15	Pcs		
25mm-dia Caddy Clamp	70	Pcs		
15mm-dia PVC Pipe "Thick Wall"	10	Lghts		
15mm-dia Caddy Clamp	25	Pcs		
12" x 12" x 4" x Ga#16 Pull Box w/ cover	1	Set		
8" x 8" x 4" x Ga#16 Pull Box w/ cover	2	Sets		
PVC Junction Box w/ cover	3	Sets		
1/8" x 1" Angle Bar	1	Lghts		
1/8" x 1" Z-Bar	1	Lghts		
10mm full-threaded round bar	5	Lghts		
10mm grip anchor	60	Pcs		
10mm screw nuts & washer	120	Sets		
8mm-dia. Messenger Wire	30	Meters		
8mm-dia. Messenger Wire Clip	8	Sets		
Lashing Wire, Stainless	1	Rolls		
10mm-dia Oval Eye Bolt & Nuts w/ 2-Square Plate Washers,12" Long	2	Sets		
<b>Consumables;</b> Restoration materials, metal drill bit, masonry drill bit, grinding disk, cutting disk, hacksaw blade, Ga#16 guide wire, blind rivets, masking tape, electrical tape, cable tie, etc.	1	Lot		
<b>Sub-Total (PhP)</b>				
<b>II.1.2 IP Telephony &amp; Surveillance Camera Horizontal Distribution Cabling:</b>				
a. Supply & layout of aluminum cable trays & PVC pipes in assorted sizes for the cable pathways from the Existing Distribution Frame Cabinets of Flores/Admin Hall, Natividad Hall, Roxas Hall, Federizo Hall, CICT, Alvarado Hall, CHE, CSSP, & New of College of Law & Satellite Campuses to the proposed locations of IP Telephone & IP-Based Surveillance Cameras- information outlets. These include the supports, boxes, fittings, & consumable materials required in the proposed installations (Pls see distributions).				
b. Supply & cable pulling of 4Pair, Cat6 UTP Cable from the Existing Distribution Frame Cabinets of Flores/Admin Hall, Natividad Hall, Roxas Hall, Federizo Hall, CICT, Alvarado Hall, CHE, CSSP, & New of College of Law & Satellite Campuses to the proposed locations of IP Telephone & IP-Based Surveillance Cameras- information outlets (Pls see distributions).				
c. Supply, termination & mounting of IP Telephone & IP-Based Surveillance Cameras - cabling peripherals to proposed location & positions.				
d. Cable integrity testing & documentations.				
e. Assistance in the Commissioning				

<b>Cabling Peripherals:</b>				
4Pairs, Cat6, Unshielded Twisted Pair Cable	28	Rolls		
24Ports Cat6, Patch Panel	14	Units		
Patch Cord Minder w/ Cover, 2RU	1	Sets		
Patch Cord Minder w/ Cover, 1RU	14	Sets		
Stranded UTP Patch Cord w/ boots, Cat6, 3.0 Meters (Work Area)	115	Sets		
Stranded UTP Patch Cord w/ boots, Cat6, 2.1 Meters (Patch Panel)	115	Sets		
Stranded UTP Patch Cord w/ boots, Cat6, 2.1 Meters (Uplink)	16	Sets		
Shuttered-type Face Plate	115	Pcs		
Cat6, Information Outlet	115	Pcs		
<b>Consumables;</b> pulling wire, rubberized cotton globes, cable supports, velcro wire straps, cable tie, masking & electrical tapes, etc.	1	Lot		
<b>Sub-Total (PhP)</b>				
<b>Roughing-ins (Cabling Pathway for SCS Horizontal Distributions):</b>	<b>1</b>	<b>Lot</b>		
50mm-dia PVC Pipe "ThickWall"	10	Lghts		
50mm-dia PVC Elbow	4	Lghts		
50mm-dia Caddy Clamp	24	Pcs		
25mm-dia PVC Pipe "ThickWall"	124	Lghts		
25mm-dia Caddy Clamp	270	Pcs		
20mm-dia PVC Pipe "ThickWall"	120	Lghts		
20mm-dia Caddy Clamp	270	Pcs		
15mm-dia PVC Pipe "ThickWall"	450	Lghts		
15mm-dia Caddy Clamp	1,000	Pcs		
PVC Plastic Moulding, 1 1/2"	40	Pcs		
PVC Plastic Moulding, 1"	180	Pcs		
PVC Plastic Moulding, 3/4"	100	Pcs		
12" x 12" x 4" x Ga#16 Pull Box w/ cover	4	Sets		
8" x 8" x 4" x Ga#16 Pull Box w/ cover	12	Sets		
4" x 4" PVC Square Box w/ cover	64	Sets		
PVC Junction Box w/ cover	176	Sets		
PVC Surface Mount Box	115	Sets		
15mm-dia Flexible Metal Conduit	120	Lm		
15mm-dia Flexible Metal Conduit Straight Connector	24	Sets		
1/8" x 1" Angle Bar	5	Lghts		
1/8" x 1" Z-Bar	2	Lghts		
10mm full-threaded round bar	50	Lghts		
10mm grip anchor	1,560	Pcs		
10mm screw nuts & washer	3,000	Sets		
<b>Consumables;</b> Power actuated gun power & nail, restoration materials, metal drill bit, masonry drill bit, grinding disk, cutting disk, hacksaw blade, Ga#16 guide wire, blind rivets, masking tape, electrical tape, cable tie, etc.	1	Lot		
<b>Sub-Total (PhP)</b>				
<b>II.2 LOCAL AREA NETWORK:</b>				
<b>II.2.1 Flores Hall / Admin bldg</b>				

a. Supply & layout of aluminum cable trays & PVC pipes in assorted sizes for the cable pathways from the existing main distribution frame cabinet located at 2nd Floor-Data Center to the proposed location of LAN information outlets. These include the supports, boxes, fittings, & consumable materials required in the proposed installations.				
b. Supply & cable pulling of 4Pair, Cat6 UTP Cable from the existing main distribution frame cabinet located at 2nd Floor-Data Center to the proposed location of LAN information outlets.				
c. Supply, termination & mounting of SCS horizontal cabling peripherals to proposed location & positions.				
d. Cable integrity testing & documentations.				
e. Assistance in the Commissioning				
<b>Cabling Peripherals:</b>				
4Pairs, Cat6, Unshielded Twisted Pair Cable	23	Rolls		
24Ports Cat6, Patch Panel	6	Units		
Patch Cord Minder w/ Cover, 2RU	6	Sets		
Patch Cord Minder w/ Cover, 1RU	2	Sets		
Stranded UTP Patch Cord w/ boots, Cat6, 3.0 Meters (Work Area)	125	Sets		
Stranded UTP Patch Cord w/ boots, Cat6, 2.1 Meters (Patch Panel)	125	Sets		
Stranded UTP Patch Cord w/ boots, Cat6, 2.1 Meters (Uplink)	5	Sets		
Shuttered-type Face Plate	125	Pcs		
Cat6, Information Outlet	125	Pcs		
<b>Consumables;</b> pulling wire, rubberized cotton globes, cable supports, velcro wire straps, cable tie, masking & electrical tapes, etc.	1	Lot		
<b>Sub-Total (PhP)</b>				
<b>Roughing-ins (Cabling Pathway for SCS Horizontal Distributions):</b>				
Cable Tray (1 ¾ x 4" x 8 FT)	53	Lghts		
50mm-dia PVC Pipe "ThickWall"	20	Lghts		
50mm-dia Caddy Clamp	45	Pcs		
40mm-dia PVC Pipe "ThickWall"	32	Lghts		
40mm-dia Caddy Clamp	70	Pcs		
25mm-dia PVC Pipe "ThickWall"	50	Lghts		
25mm-dia Caddy Clamp	110	Pcs		
20mm-dia PVC Pipe "ThickWall"	55	Lghts		
20mm-dia Caddy Clamp	120	Pcs		
15mm-dia PVC Pipe "ThickWall"	68	Lghts		
15mm-dia Caddy Clamp	150	Pcs		
PVC Plastic Moulding, 1 1/2"	20	Pcs		
PVC Plastic Moulding, 1"	72	Pcs		
PVC Plastic Moulding, 3/4"	100	Pcs		
15" x 15" x 6" x Ga#16 Pull Box w/ cover	1	Set		
12" x 12" x 4" x Ga#16 Pull Box w/ cover	4	Sets		
8" x 8" x 4" x Ga#16 Pull Box w/ cover	8	Sets		
4" x 4" PVC Square Box w/ cover	30	Sets		
PVC Junction Box w/ cover	54	Sets		

PVC Surface Mount Box	121	Sets		
1/8" x 1" Angle Bar	5	Lghts		
1/8" x 1" Z-Bar	2	Lghts		
10mm full-threaded round bar	50	Lghts		
10mm grip anchor	670	Pcs		
10mm screw nuts & washer	1,340	Sets		
<b>Consumables;</b> Power actuated gun power & nail, restoration materials, metal drill bit, masonry drill bit, grinding disk, cutting disk, hacksaw blade, Ga#16 guide wire, blind rivets, masking tape, electrical tape, cable tie, etc.	1	Lot		
<b>Sub-Total (Php)</b>				
<b>II.3 RAISED FLOORING/WALLS/CEILING SYSTEM FOR DATA CENTER</b>				
Steel Cement Raised Floor Panels, FS800, FFH: 12 Inches, with High Pressure Laminated Tiles, 610mm x 610mm Panels.				
Panel Area: 18sq-m = 50Pcs Panels complete with Understructure				
Sundries:				
Double Suction Lifter (1Set)				
Cable cut-out with Aluminum Trim edge				
<b>Optional</b> Adjustable Fabricated Metal Ramp with Anti-Skid Rubber matting; Size : 610mmL x 1090W x 300mmH				
Consumables; base plate epoxy, jigsaw blades, marking tapes, & other consumables required in the installations.				
<b>Sub-Total (Php)</b>				
<b>II. 4 DOOR ACCESS CONTROL SYSTEM FOR DATA CENTER</b>				
a. Supply & layout of power & device connection wiring in 15mm-dia PVC pipes from the nearest 230V AC power outlet to the proposed locations of Biometrics Door Access System. These include the supports, cable pathways, fittings & consumable materials required in the proposed installations.				
b. Supply of labor & consumable materials required for the mounting of DACS devices & cabling peripherals to proposed position & locations.				
c. Testing, commissioning, & documentations				
<b>DACS Devices:</b>				
FingerTec Biometrics	1	Unit		
Adaptec AC	1	Unit		
EM-Lock 600Lbs	1	Unit		
Push Button	1	Unit		
Override Keyswitch	1	Unit		
Emergency Break Glass	1	Unit		
Back Up Battery, 12V	1	Unit		
<b>Consumables;</b> device interconnect wires (color-coded signal cables), cable pathways & supports, shrinkable tube, velcro wire straps, cable tie, etc.	1	Lot		
<b>Sub-Total (Php)</b>				

<b>II.5 OTHER SERVICES:</b>				
<b>Documentations:</b>				
a. Cable Integrity testing for UTP Cables, using Fluke DTX-1800 Series Tester (Test Result for documentation – available in hard & soft copies)				
b. As-built CAD drawings indicating the exact location of information outlets, cable identifier number, cabling route, & room plans.				
c. Single line diagram				
d. Patch Panels, Switch & Small Appliance port assignments				
e. Permanent tagging/labeling				
f. Sample Photos				
g. Mobilization/demobilization, personnel comprehensive insurances, & miscellaneous				
h. Labor charge/Engineering/Supervision				
<b>Sub-Total (PhP)</b>				
<b>II.6 SWITCHES FOR DATA CENTER</b>				
24 Auto-MDIX 10/100/1000 PoE ports Switch	3	Units		
4 SFP 1000 Mbps Ports				
4 MB Flash, 1 GB Compact Flash, 512 MB SDRAM				
1000 Mb Latency <2.9 μs				
10 Gbps Latency <1.3 μs				
Throughput up to 95 million pps (64-byte packets)				
Switching capacity 128 Gps				
Routing Table size (2000 entries)				
MAC address table size (16000 entries)				
Voltage: 100-127/200-240 VAC				
Frequency: 50/60 Hz				
Lifetime Warranty				
<b>TOTAL CABLING COST (PHP)</b>				
<b>III. FIREWALL/ROUTER</b>	<b>1</b>	<b>Lot</b>		
<b>TOTAL PROJECT COST</b>				

# SPECIFICATION

## Voice Switch

### Features

- 2 RJ-45 local area network (LAN) connectors
- 1 RJ-21X port for punch-down block, patch panel, or 12-port harmonica connector
- 8 loop start trunks (FXO)
- 4 telephone ports (FXS)
- 1 DB-9, RS-232C maintenance port for serial communications
- 1 3.5 mm stereo input for connecting a music-on-hold source
- 1 3.5 mm stereo output for connecting to a overhead paging system or night bell
- Supports SIP trunks and SIP devices

### Specifications

- Dimensions - 1.69 x 8.39 x 14.28 inches (43 x 213 x 378 mm)
- Weight - 5.3 lb (2.4 kg)
- Input voltage - 100-240 VAC, 50-60 Hz
- Power consumption - 31 W (max)
- Humidity - 0-90% relative humidity (non-condensing)
- Operating temperature - 0-50° C

## Voice Switch E1

### Features

- 2 RJ-45 local area network (LAN) connectors
- 1 RJ-45 E1 port for connecting the switch to a telephone company
- 1 RJ-45 E1 monitor port for connecting test equipment
- 1 DB-9, RS-232C maintenance port for serial communications
- 1 3.5 mm stereo input for connecting a music-on-hold source
- 1 3.5 mm stereo output for connecting to a overhead paging system or night bell
- Supports SIP trunks and SIP devices

### Specifications

- Dimensions - 1.69 x 8.39 x 14.28 inches (43 x 213 x 378 mm)
- Weight - 5.3 lb (2.4 kg)
- Input voltage - 100-240 VAC, 50-60 Hz
- Power consumption - 18 W (max)
- Humidity - 0-90% relative humidity (non-condensing)
- Operating temperature - 0-50° C

## IP Phone (Basic)

### Highlights

- 1 line
- Built-in 10/100 Ethernet switch (software with restricted throughput)
- Two-way Speakerphone (half-duplex)

### Features

- Feature Keys
- Transfer
- Conference
- Hold
- Intercom
- Redial (History)
- Voicemail
- Display
- 16 character x 1 line display (back lit)  
80 x 8 pixels
- Speakerphone
- Two-way (half-duplex)
- Audio Controls
- Volume (independent control)
- Mute (LED indicator)
- Speakerphone (LED indicator)

### Specifications

- MGCP protocol
- VLAN, DiffServ/ToS, 5004/UDP QoS
- G.722, BV-32, BV-16, G.711, G.729a codecs
- Built-in 10/100 Ethernet switch (software)
- 802.3af PoE (standard), or local power (optional)
- Class 2 PoE (2.6 W idle / 2.9 W active / 4.0 W max)
- Environmental
- Humidity : 5-90% relative humidity (non-condensing)
- Operating temperature : 0-50° C

## IP Phone (Advance)

### Highlights

- 12 lines
- Large color touch screen
- Advanced microphone array technology
- Integrated VPN Client
- Gigabit Ethernet
- Visual voicemail
- Directory with presence indication

### Features

Feature Keys  
Call History  
Redial

Voicemail  
Options / Applications  
Directory  
Display- 640x480 Color (back lit). Touch screen with haptic feedback  
Speakerphone - Full duplex utilizing advanced microphone array technology  
Audio Controls - Volume (independent control)  
Mute (LED indicator)  
Speakerphone (LED indicator)  
Headset (LED indicator)

Specifications  
MGCP protocol  
VLAN, DiffServ/ToS, 5004/UDP QoS,  
G.722, BV-32, BV-16, G.711, G.729a codecs  
Built-in 10/100/1000 Ethernet switch  
802.3af PoE (standard), or local power (optional)  
Class 3 PoE (5.7 W idle / 7.7 W active / 9.1 W max)

Environmental  
Humidity: 5-90% relative (non-condensing)  
Operating temperature : 0-50° C

## 8G-PoE+ (180W) Switch

### Ports

8 RJ-45 auto-negotiating 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3af PoE, IEEE 802.3at) 1 SFP 1000 Mbps port Supports a maximum of 8 autosensing 10/100/1000 ports plus 1 1000BASE-X SFP ports, or a combination

### Physical characteristics

Dimensions - 10.24(w) x 11.81(d) x 1.72(h) in (26 x 30 x 4.36 cm) (1U height)  
Weight - 6.61 lb (3 kg), Fully loaded

### Memory and processor Module

ARM @ 333 MHz, 128 MB flash, 128 MB RAM; packet buffer size: 512 KB

### Mounting

Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included)

### Performance

100 Mb Latency - < 5  $\mu$ s  
1000 Mb Latency - < 5  $\mu$ s  
Throughput - up to 13.4 million pps  
Routing/Switching capacity - 18 Gbps  
Routing table size - 32 entries  
MAC address table size - 8192 entries

### Environment

- Operating temperature - 32°F to 113°F (0°C to 45°C)
- Operating relative humidity - 10% to 90%, non-condensing
- Non-operating/Storage temperature - -40°F to 158°F (-40°C to 70°C)
- Non-operating/Storage relative humidity - 10% to 95%, non-condensing
- Electrical characteristics – Voltage 100-240 VAC
- Maximum power rating - 228 W
- PoE power - 180 W
- Frequency - 50/60 Hz

### Safety

UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03

### Emissions

FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A



## Management

IMC - Intelligent Management Center; limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB

## Notes

SFP port and copper ports work simultaneously, independent of each other to give a total of 9 Gigabit-capable ports.

## Standards and protocols

(applies to all products in series)

Device management

RFC 2819 RMON

## General protocols

IEEE 802.1D MAC Bridges

IEEE 802.1p Priority

IEEE 802.1Q VLANs

IEEE 802.1s (MSTP)

IEEE 802.1w Rapid Reconfiguration of Spanning Tree

IEEE 802.3 Type 10BASE-T

IEEE 802.3ab 1000BASE-T

IEEE 802.3ad Link Aggregation Control Protocol (LACP)

IEEE 802.3i 10BASE-T

IEEE 802.3x Flow Control

IEEE 802.3z 1000BASE-X

## MIBs

RFC 1213 MIB II

RFC 1493 Bridge MIB

RFC 2021 RMONv2 MIB

RFC 2233 Interface MIB

RFC 2233 Interfaces MIB

RFC 2571 SNMP Framework MIB

RFC 2572 SNMP-MPD MIB

RFC 2573 SNMP-Notification MIB

RFC 2573 SNMP-Target MIB

RFC 2613 SMON MIB

RFC 2618 RADIUS Client MIB

RFC 2620 RADIUS Accounting MIB

RFC 2665 Ethernet-Like-MIB

RFC 2667 IP Tunnel MIB

RFC 2668 802.3 MAU MIB

RFC 2674 802.1p and IEEE 802.1Q Bridge MIB

RFC 2737 Entity MIB (Version 2)

RFC 3414 SNMP-User based-SM MIB

RFC 3415 SNMP-View based-ACM MIB

RFC 3418 MIB for SNMPv3

## Network management

IEEE 802.1AB Link Layer Discovery Protocol (LLDP)

IEEE 802.1D (STP)

Generic traps

## QoS/Cos

IEEE 802.1P (CoS)

## Security

IEEE 802.1X Port Based Network Access Control

## Lifetime Warranty

# 24G-PoE (365W) Switch

## Ports

24 RJ-45 auto-negotiating 10/100/1000 PoE ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type

100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3af PoE) 4 SFP 1000 Mbps ports  
Supports a maximum of 24 autosensing 10/100/1000 ports plus 4 1000BASE-X SFP ports, or a combination

#### Physical characteristics

Dimensions - 17.4(w) x 16.54(d) x 1.7(h) in (44.2 x 42.01 x 4.32 cm) (1U height)  
Weight - 6.8 lb (3.08 kg)

#### Memory and processor

Module - ARM @ 333 MHz, 128 MB flash, 128 MB RAM; packet buffer size: 512 KB

#### Mounting

Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included)

#### Performance

100 Mb Latency - < 5  $\mu$ s  
1000 Mb Latency - < 5  $\mu$ s  
Throughput - up to 41.7 million pps  
Routing/Switching capacity - 56 Gbps  
Routing table size - 32 entries

#### Environment

Operating temperature - 32°F to 113°F (0°C to 45°C)  
Operating relative humidity - 10% to 90%, non-condensing  
Non-operating/Storage temperature - -40°F to 158°F (-40°C to 70°C)  
Non-operating/Storage relative humidity - 10% to 95%, non-condensing

#### Electrical characteristics

Voltage - 100-240 VAC  
Maximum power rating - 523 W  
PoE power - 365 W  
Frequency - 50 / 60 Hz

#### Notes

Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated. PoE power is the power supplied by the internal power supply. It is dependent on the type and quantity of power supplies and may be supplemented with the use of an external power supply (EPS).

#### Safety

UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03

#### Emissions

FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A

#### Management

IMC - Intelligent Management Center; limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB

#### Lifetime Warranty

## Gigabit Power over Ethernet (PoE) Injector

#### Standard

IEEE 802.3 10Base-T  
IEEE 802.3u 100Base-TX  
IEEE 802.3ab Gigabit Ethernet  
IEEE 802.3af Power over Ethernet

#### Network Media

10Mbps: UTP/STP Cat. 5 and 5e up to 100 Meters  
100Mbps: UTP/STP Cat. 5, and 5e up to 100 Meters  
Gigabit: UTP/STP Cat 5e and 6 up to 100 meters

#### Ports

1 x 10/100/1000Mbps DATA-IN (Data only)  
1 x 10/100/1000Mbps PWR+DATA OUT (Data + Power)

#### Data Lines

Pair 1: Pin 1, 2  
Pair 2: Pin 3, 6

#### Power

Input: 100~240V, 50~60Hz, 0.4A max.  
Output: 48V DC, 0.4A 18W max.

#### Power Consumption

15.4 Watts (max.)

#### Dimensions (W x D x H)

70 x 45 x 25mm (2.75 x 1.8 x 1 in.)

#### Weight

45 g (1.6 oz.)

#### Temperature

Operation: 0°C~50°C (32°F~ 122°F)  
Storage: -20°C~60°C (-4°F~140 °F)

#### Humidity

Max. 90% (non-condensing)

#### Certifications

CE, FCC

## APPLICATION SERVER (MANAGEMENT)

Intel E3-1220v2 FIO Kit  
Gen8 NHP 4LFF CTO Server  
4GB 2Rx8 PC3-12800E-11 Kit  
2 x 500GB 6G SATA 7.2k 3.5in NHP MDL HDD (**Mirror**)  
1U Security Bezel Gen8 Kit  
Factory Integrated  
1U Friction Gen8 Rail FIO Kit  
2 x 460W CS Gold HtPlgPwr Supply Kit (**Redundant**)  
Gen8 RPS Enablement FIO Kit

#### Cache Memory

8MB (1x8MB) Level 3

#### Chipset

Intel® C204 Series Chipset

#### Upgradeability

Up to 4 DIMM slots available for higher Memory capacity  
Up to 8 bay SFF Hot plug Drive Cage; Or 4 bay LFF Hot plug or Non hot plug Drive Cages  
1 PCIe 2.0 expansion slot  
1 PCIe 3.0 I/O slot for additional communications and storage expansion  
Redundant Power Supply  
Optical Drive Bay

#### Memory Protection

ECC

#### Network Controller

Ethernet 1Gb 2-port 330i Adapter

#### Storage Controller

Dynamic Smart Array B120i Controller

#### Interfaces

1 Serial  
1 Rear standard video

Remote Management Network Port (1Gb Dedicated)

Internal SD slot

NOTE: The SD slot is not a hot-pluggable device. Customers should not attempt to plug an SD card into the SD slot while the server is powered.

USB 2.0 Ports: 7 total: 4 rear, 2 front, 1 internal (Optional)

#### Industry Standard Compliance

ACPI 2.0b Compliant

PCIe 3.0

PXE Support

WOL Support

USB 2.0 Compliant

#### System Fans

4 fan modules ship standard, non-redundant

#### Form Factor

4 LFF Drive Bay Version

1.7" (4.32cm) Height x 17.11" (43.46cm) Width x 29.5" (75.00cm) Length

## UPS 2200VA USB 2U 230V

UPS, 1980 Watts / 2200 VA, Input 230V / Output 230V, Interface Port DB-9 RS-232, USB, Rack Height 2 U

**Includes:** CD with software, Rack Mounting brackets, RS-232 cable, USB cable, User Manual

### Output

Output Power Capacity - 1980 Watts / 2200 VA

Max Configurable Power - 1980 Watts / 2200 VA

Nominal Output Voltage - 230V

Output Voltage Note - Configurable for 220 : 230 or 240 nominal output voltage

Output Voltage Distortion - Less than 5% at full load

Output Frequency (sync to mains) - 47 - 53 Hz for 50 Hz nominal, 57 - 63 Hz for 60 Hz nominal

Topology - Line Interactive

Waveform Type - Sine wave

Output Connections

(8) IEC 320 C13

(1) IEC 320 C19

(2) IEC Jumpers

### Input

Nominal Input Voltage - 230V

Input Frequency - 50/60 Hz +/- 3 Hz (auto sensing)

Input Connections - IEC-320 C20

Schuko CEE 7 / EU1-16P

British BS1363A

Input voltage range for main operations - 160 - 286V

Input voltage adjustable range for mains operation - 151 - 302V

### Communications & Management

Interface Port(s) - DB-9 RS-232, USB

Available Interface Quantity - 1

Control panel - LED status display with load and battery bar-graphs and On Line : On Battery :

Replace Battery : and Overload Indicators

Audible Alarm - Alarm when on battery: distinctive low battery alarm : configurable delays

Emergency Power Off (EPO) - Yes

### Surge Protection and Filtering

Surge energy rating - 480 Joules

Filtering - Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response  
time : meets UL 1449

#### Physical

Maximum Height - 89.00 mm  
Maximum Width - 483.00 mm  
Maximum Depth - 660.00 mm  
Rack Height - 2U  
Net Weight - 43.64 KG  
Shipping Weight - 51.50 KG  
Shipping Height - 260.00 mm  
Shipping Width - 600.00 mm  
Shipping Depth - 980.00 mm  
Color - Black  
Units per Pallet - 8.00

#### Environmental

Operating Environment - 0 - 40 °C  
Operating Relative Humidity - 0 - 95%  
Operating Elevation - 0-3000 meters  
Storage Temperature - -15 - 45 °C  
Storage Relative Humidity - 0 - 95%  
Storage Elevation - 0-15000 meters  
Audible noise at 1 meter from surface of unit - 47.00 dBA  
Online Thermal Dissipation - 300.00 BTU/hr

#### Conformance

Regulatory Approvals  
C-tick, CE, EN 50091-1, EN 50091-2, GOST, VDE

Standard Warranty

2 years repair or replace, optional on-site warranties available, optional extended warranties available

#### Sustainable Offer Status

RoHS  
Compliant

PEP  
Available in Documentation tab

EOLI  
Available in Documentation tab  
Other Environmental Compliance  
China RoHS

## Network Security Appliance (Campus)

#### Feature

#### Value

Interfaces	(7) 10/100/1000 Copper Gigabit, 2 USB, Console
Management	CLI, SSH, GUI, GMS
Certifications	VPNC, ICSA Firewall 4.1
Nodes Supported	Unrestricted
RAM	512 MB
Flash Memory	32 MB
Site-to-Site VPN Tunnels	25
Global VPN Clients (Maximum)	2 (25)
SSL VPN NetExtender Clients (Maximum)	2 (15)
Unique Malware Threats Blocked	1,000,000+
Virtual Assist Technicians (Maximum)	30-Day Trial (5)
VLAN Interfaces	25

Stateful throughput<sup>1</sup> - 600 Mbps  
GAV performance<sup>2</sup> - 115 Mbps  
IPS performance<sup>2</sup> - 195 Mbps  
Full DPI performance<sup>2</sup> - 110 Mbps  
IMIX performance<sup>2</sup> - 180 Mbps  
Maximum connections<sup>3</sup> - 85,000

## VPN

3DES/AES throughput - 150 Mbps  
Site-to-site VPN tunnels – 25  
Bundled Global VPN Client licenses (maximum) - 2 (25)  
Bundled SSL VPN licenses (maximum) - 2 (15)  
Secure Virtual Assist bundled (maximum) - 1 30-day trial  
Encryption/authentication/DH group - DES, 3DES, AES (128, 192, 256-bit), MD5, SHA-1, SHA-2/DH Groups 1, 2, 5, 14  
Key exchange - Key Exchange IKE, IKEv2, Manual Key, PKI (X.509), L2TP over IPSec  
Route-based VPN - Yes (OSPF, RIP)  
Certificate support -, RSA Keon, Entrust, and Microsoft CA for Dell SonicWALL-to-Dell SonicWALL VPN, SCEP  
Dead peer detection - Yes  
DHCP over VPN - Yes  
IPSec NAT Traversal - Yes  
Redundant VPN gateway - Yes  
Global VPN client platforms supported - Microsoft® Windows 2000, Windows XP, Microsoft® Vista 32/64-bit, Windows 7 32/64-bit  
SSL VPN platforms supported - Microsoft® Windows 2000 / XP / Vista 32/64-bit / Windows 7, Mac 10.4+, Linux FC 3+ / Ubuntu 7+ /OpenSUSE  
Mobile Connect platforms supported - iOS 4.2

## Security services

Deep Packet Inspection Service - Gateway Anti-Virus, Anti-Spyware, Intrusion Prevention and Application Intelligence and Control

Content Filtering Service (CFS) - HTTP URL,HTTPS IP, keyword and content scanning ActiveX, Java Applet, and cookie blocking bandwidth management on filtering categories, allow/forbid lists

Gateway-enforced Client Anti-Virus and Anti-Spyware - McAfee  
Comprehensive Anti-Spam Service - Supported

Application Intelligence and Control - Application bandwidth management and control, prioritize or block application by signatures, control file transfers, scan for key words or phrases

DPI SSL6 - Provides the ability to decrypt HTTPS traffic transparently, scan this traffic for threats using Dell SonicWALL's Deep Packet Inspection technology (GAV/AS/IPS/Application Intelligence/CFS), then re-encrypt the traffic and send it to its destination if no threats or vulnerabilities are found.This feature works for both clients and servers.

## Networking

IP Address assignment - Static, (DHCP, PPPoE, L2TP and PPTP client), Internal DHCP server, DHCP relay

NAT modes - 1:1, 1:many, many:1, many:many, flexible NAT (overlapping IPs), PAT, transparent mode

VLAN interfaces (802.1q) - 25

Routing - OSPF, RIPv1/v2, static routes, policy-based routing, Multicast

QoS Bandwidth - priority, maximum bandwidth, guaranteed bandwidth, DSCP marking, 802.1p

IPv6 - Yes

Authentication - XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, Terminal Services, Citrix

Internal database/single sign-on users - 100/100 Users

VoIP - Full H.323v1-5, SIP, gatekeeper support, outbound bandwidth management, VoIP over WLAN, deep inspection security, full interoperability with most VoIP gateway and communications devices

### System

- Zone security - Yes
- Schedules - One time, recurring
- Object-based/group-based management - Yes
- DDNS - Yes
- Management and monitoring - Web GUI (HTTP, HTTPS), Command Line (SSH, Console), SNMP v3: Global management with Dell SonicWALL GMS
- Logging and reporting - Analyzer, Local Log, Syslog, Solera Networks, NetFlow v5/v9, IPFIX with extensions, real-time visualization
- High availability - Optional Active/Passive with State Sync
- Load balancing - Yes, (Outgoing with percent-based, round robin and spill-over); (Incoming with round robin, random distribution, sticky IP, block remap and symmetrical remap)
- Standards - TCP/IP, UDP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SNMP, DHCP, PPPoE, L2TP, PPTP, RADIUS, IEEE 802.3
- WAN acceleration support - Yes

## Network Security Appliance

Feature	Value
Interfaces	(6) 10/100/ 1000 Copper Gigabit Ports, 1 Console Interface, 2 USB
Management	CLI, SSH, GUI, GMS
Certifications	EAL4+, FIPS 140-2, VPNC, ICSA Firewall 4.1
Nodes Supported	Unrestricted
RAM	512 MB
Flash Memory	512 MB
Site-to-Site VPN Tunnels	1500
Global VPN Clients (Maximum)	500 (3,000)
SSL VPN NetExtender Clients (Maximum)	2 (30)
Unique Malware Threats Blocked	1,000,000+
Virtual Assist Technicians (Maximum)	2 (10)
VLAN Interfaces	200
Stateful throughput - 2.75 Gbps	
GAV performance - 690 MBps	
IPS performance - 1.4 Gbps	
Full DPI performance - 600 Mbps	
IMIX performance - 700 Mbps	
Maximum connections - 200,000	

## VPN

3DES/AES throughput - 1.0 Gbps

Site-to-site VPN tunnels - 1,500

Bundled Global VPN Client licenses (maximum) - 500 (3,000)

Bundled SSL VPN licenses (maximum) - 2 (30)

Secure Virtual Assist bundled (maximum) - 2 (10)

Encryption/authentication/DH group - DES, 3DES, AES (128, 192, 256-bit), MD5, SHA-1, SHA-2/DH Groups 1, 2, 5, 14

Key exchange - Key Exchange IKE, IKEv2, Manual Key, PKI (X.509), L2TP over IPSec

Route-based VPN - Yes (OSPF, RIP)

Certificate support

Verisign, Thawte, Cybertrust, RSA Keon, Entrust, and Microsoft CA for Dell SonicWALL-to-Dell SonicWALL VPN, SCEP

Dead peer detection - Yes

DHCP over VPN - Yes

IPSec NAT Traversal - Yes

Redundant VPN gateway - Yes

Global VPN client platforms supported

Microsoft® Windows 2000, Windows XP, Microsoft® Vista 32/64-bit, Windows 7 32/64-bit

SSL VPN platforms supported

Microsoft® Windows 2000 / XP / Vista 32/64-bit / Windows 7, Mac 10.4+, Linux FC 3+ / Ubuntu 7+ / OpenSUSE

Mobile Connect platforms supported - iOS 4.2

## Security services

Deep Packet Inspection Service

Gateway Anti-Virus, Anti-Spyware, Intrusion Prevention and Application Intelligence and Control

Content Filtering Service (CFS)

HTTP URL, HTTPS IP, keyword and content scanning ActiveX, Java Applet, and cookie blocking bandwidth management on filtering categories, allow/forbid lists

Gateway-enforced Client Anti-Virus and Anti-Spyware

McAfee

Comprehensive Anti-Spam Service

Supported

Application Intelligence and Control

Application bandwidth management and control, prioritize or block application by signatures, control file transfers, scan for key words or phrases

DPI SSL6

Provides the ability to decrypt HTTPS traffic transparently, scan this traffic for threats using Dell SonicWALL's Deep Packet Inspection technology (GAV/AS/IPS/Application Intelligence/CFS), then re-encrypt the traffic and send it to its destination if no threats or vulnerabilities are found. This feature works for both clients and servers.



## Networking

### IP Address assignment

Static, (DHCP, PPPoE, L2TP and PPTP client), Internal DHCP server, DHCP relay

### NAT modes

1:1, 1:many, many:1, many:many, flexible NAT (overlapping IPs), PAT, transparent mode

### VLAN interfaces (802.1q)

200

### Routing

OSPF, RIPv1/v2, static routes, policy-based routing, Multicast

### QoS Bandwidth

priority, maximum bandwidth, guaranteed bandwidth, DSCP marking, 802.1p

### IPv6

Yes

### Authentication

XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, Terminal Services, Citrix

### Internal database/single sign-on users

1,000/1,000 Users

### VoIP

Full H.323v1-5, SIP, gatekeeper support, outbound bandwidth management, VoIP over WLAN, deep inspection security, full interoperability with most VoIP gateway and communications devices

## System

Zone security - Yes

Schedules - One time, recurring

Object-based/group-based management - Yes

DDNS - Yes

### Management and monitoring

Web GUI (HTTP, HTTPS), Command Line (SSH, Console), SNMP v3: Global management with Dell SonicWALL GMS

### Logging and reporting

Analyzer, Local Log, Syslog, Solera Networks, NetFlow v5/v9, IPFIX with extensions, real-time visualization

High availability - Optional Active/Passive with State Sync

Load balancing - Yes, (Outgoing with percent-based, round robin and spill-over); (Incoming with round robin, random distribution, sticky IP, block remap and symmetrical remap)

### Standards

TCP/IP, UDP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SNMP, DHCP, PPPoE, L2TP, PPTP, RADIUS, IEEE 802.3

WAN acceleration support - Yes

# **Section IX.**

## **Bidding Forms**

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## Bid Form

---

Date: \_\_\_\_\_

IAEB<sup>1</sup> N°: \_\_\_\_\_

To: **BULACAN STATE UNIVERSITY**

Address: **Guinhawa, City of Malolos, 3000 Bulacan**

We, the undersigned, declare that:

(a) We have examined and have no reservation to the Bidding Documents, including Addenda, for the Contract **PROCUREMENT OF BULSU IP TELEPHONY AND CABLING SYSTEM PROJECT (Infra-2013-08)** ;

(b) We offer to execute the Works for this Contract in accordance with the Bid and Bid Data Sheet, General and Special Conditions of Contract accompanying this Bid;

The total price of our Bid, excluding any discounts offered in item (d) below is: [insert information];

The discounts offered and the methodology for their application are: [insert information];

(c) Our Bid shall be valid for a period of [insert number] days from the date fixed for the Bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(d) If our Bid is accepted, we commit to obtain a Performance Security in the amount of [insert percentage amount] percent of the Contract Price for the due performance of the Contract;

(e) Our firm, including any subcontractors or suppliers for any part of the Contract, have nationalities from the following eligible countries: [insert information];

(f) We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;

(g) Our firm, its affiliates or subsidiaries, including any subcontractors or suppliers for any part of the Contract, has not been declared ineligible by the Funding Source;

(h) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and

---

<sup>1</sup> If ADB, JICA and WB funded projects, use IFB.

- (i) We understand that you are not bound to accept the Lowest Evaluated Bid or any other Bid that you may receive.

Name: \_\_\_\_\_

In the capacity of: \_\_\_\_\_

Signed: \_\_\_\_\_

Duly authorized to sign the Bid for and on behalf of: \_\_\_\_\_

Date: \_\_\_\_\_

## Form of Contract Agreement

---

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

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

### NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be attached, deemed to form, and be read and construed as part of this Agreement, to wit:
  - (a) General and Special Conditions of Contract;
  - (b) Drawings/Plans;
  - (c) Specifications;
  - (d) Invitation to Apply for Eligibility and to Bid;
  - (e) Instructions to Bidders;
  - (f) Bid Data Sheet;
  - (g) Addenda and/or Supplemental/Bid Bulletins, if any;
  - (h) Bid form, including all the documents/statements contained in the Bidder’s bidding envelopes, as annexes;
  - (i) Eligibility requirements, documents and/or statements;
  - (j) Performance Security;
  - (k) Credit line issued by a licensed bank, if any;
  - (l) Notice of Award of Contract and the Bidder’s conforme thereto;
  - (m) Other contract documents that may be required by existing laws and/or the Entity.
3. In consideration of the payments to be made by the Entity to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Entity to execute and complete the Works and remedy any defects therein in conformity with the provisions of this Contract in all respects.
4. The Entity hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects wherein,

the Contract Price or such other sum as may become payable under the provisions of this Contract at the times and in the manner prescribed by this Contract.

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

Signed, sealed, delivered by \_\_\_\_\_ the \_\_\_\_\_ (for the Entity)

Signed, sealed, delivered by \_\_\_\_\_ the \_\_\_\_\_ (for \_\_\_\_\_ the Contractor).

Binding Signature of BULACAN STATE UNIVERSITY

\_\_\_\_\_

Binding Signature of Contractor

\_\_\_\_\_

## Omnibus Sworn Statement

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REPUBLIC OF THE PHILIPPINES )  
CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

### AFFIDAVIT

I, *[Name of Affiant]*, of legal age, *[Civil Status]*, *[Nationality]*, and residing at *[Address of Affiant]*, after having been duly sworn in accordance with law, do hereby depose and state that:

1. ***Select one, delete the other:***

*If a sole proprietorship:* I am the sole proprietor of *[Name of Bidder]* with office address at *[address of Bidder]*;

*If a partnership, corporation, cooperative, or joint venture:* I am the duly authorized and designated representative of *[Name of Bidder]* with office address at *[address of Bidder]*;

2. ***Select one, delete the other:***

*If a sole proprietorship:* As the owner and sole proprietor of *[Name of Bidder]*, I have full power and authority to do, execute and perform any and all acts necessary to represent it in the bidding for *[Name of the Project]* of the *[Name of the Procuring Entity]*;

*If a partnership, corporation, cooperative, or joint venture:* I am granted full power and authority to do, execute and perform any and all acts necessary and/or to represent the *[Name of Bidder]* in the bidding as shown in the attached *[state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate issued by the corporation or the members of the joint venture)]*;

3. *[Name of Bidder]* is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board;
4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. *[Name of Bidder]* is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;



6. *Select one, delete the rest:*

*If a sole proprietorship:* I am not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*If a partnership or cooperative:* None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*If a corporation or joint venture:* None of the officers, directors, and controlling stockholders of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. [Name of Bidder] complies with existing labor laws and standards; and
8. [Name of Bidder] is aware of and has undertaken the following responsibilities as a Bidder:
- a) Carefully examine all of the Bidding Documents;
  - b) Acknowledge all conditions, local or otherwise, affecting the implementation of the Contract;
  - c) Made an estimate of the facilities available and needed for the contract to be bid, if any; and
  - d) Inquire or secure Supplemental/Bid Bulletin(s) issued for the [Name of the Project].

IN WITNESS WHEREOF, I have hereunto set my hand this \_\_\_ day of \_\_\_, 20\_\_\_ at \_\_\_\_\_, Philippines.

\_\_\_\_\_  
Bidder's Representative/Authorized Signatory

[JURAT]

\* This form will not apply for WB funded projects.

## REQUEST FOR CLARIFICATION

Date of Letter

**DR. DANILO S. HILARIO**

BAC Chairman

Bulacan State University

City of Malolos, Bulacan

Dear Sir:

In relation to the Section \_\_\_\_\_ of Page \_\_\_\_\_ of the Bidding Documents for (Name of the Project), to wit:

“                    (quote unclear provision)                    ”

We would appreciate it if you could provide further explanation or clarification on the above.

Thank you very much.

Very truly yours,

Name of Representative of the Bidder

Name of the Bidder