



## CHECKLIST OF REQUIREMENTS FOR BIDDERS

**ELIGIBILITY, TECHNICAL, AND FINANCIAL REQUIREMENTS SHOULD BE APPROPRIATELY SIGNED AND PROPERLY TABBED AS FOLLOWS:**

**Class “A” Documents:**

### ELIGIBILITY DOCUMENTS’ ENVELOPE

#### **TAB A**

- 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**;
- Mayor’s permit issued by the city or municipality where the principal place of business of the prospective bidder is located; and
- Audited financial statements, stamped “received” by the Bureau of Internal Revenue (BIR) or its duly accredited and authorized institutions, for the preceding calendar year, which should not be earlier than two (2) years from bid submission
- Valid and current Tax Clearance Certificate
- PhilGEPS Certificate of Registration (Platinum Membership)

#### **TAB B**

**Statement of all its on-going government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid;**

##### **Sec IX Bidding Forms (SF-GOOD-13a)**

This statement shall be supported with:

- Notice of Award or Notice to Proceed or Contract or P.O.
- All spaces should be filled up with correct information.

**Statement of the Bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid, in accordance with ITB Clause 5.4.**

**Note:** Single Largest Completed Contract within the last three (3) years which is similar in nature equivalent to **₱ 3,750,000.00 (50% of the ABC).**

##### **Sec IX Bidding Forms (SF-GOOD-13b)**

This statement shall be supported with:

- Notice of Award or Notice to Proceed or Contract or P.O. with O.R. or C.R.
- Certificate of completion and owner’s acceptance
- All spaces should be filled up with correct information.

#### **TAB C**

**NFCC computation in accordance with ITB Clause 5.5 or a committed Line of Credit from a universal or commercial bank**

**Class “B” Documents: If applicable, Joint Venture Agreement in accordance with RA 4566.**

## Technical Documents:

**TAB D**      **The Bid Security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:**

1. The amount of not less than **₱ 150,000.00** [2% of ABC], if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;
2. The amount of not less than **₱ 375,000.00** [5% of ABC] if bid security is in Surety Bond.

**TAB E**      **Statement of conformity with schedule of requirements and technical specifications, as enumerated and specified in Sections VI and VII of the Bidding Documents (ITB 12.1.b.ii):**

- Schedule of Requirements- Compliance Sixty (60) calendar days
- Technical Specifications- Comply or Not Comply

**TAB F**      **Additional Documents:**

1. Brochure / catalogue from the manufacturer of the item being offered; brochure should not be amended by the supplier
2. Picture of actual item/s with specific name of model to be delivered
3. Manufacturer's and/or supplier's ISO Certification
4. Manufacturer's Site Training for at least Four (4) Participants
5. Warranty Certificate – 2 year
6. Certificate of Distributorship issued by the Manufacturer
7. Very satisfactory performance rating from the concerned end-user unit (for previous supplier of BulSU)

**TAB G**      **Sworn statement in accordance with Section 25.3 of the IRR of RA 9184 and using the form prescribed in Section IX. Bidding Forms.**

<b>FINANCIAL DOCUMENTS' ENVELOPE</b>
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(Instruction to Bidders 13.1a)

**TAB H**      **Financial Bid Form**

**TAB I**      **Bid prices and Price Schedules, in accordance with ITB Clauses 15.1 and 15.4**

**TAB J**      **Preferably with Soft copy in Flash drive of the bid prices and applicable Price Schedules using Microsoft Excel (Bid Data Sheet 13.1 c)**

### Note:

1. Each Bidder shall submit *one (1) original or certified true copy of the original and three (3) additional photocopies of the first (Eligibility/Technical) and second components (Financial) of its bid duly signed and sealed.* -Bid Data Sheet 20.3.
2. Any missing document in the above-mentioned checklist is a ground for outright rejection of the bid.
3. In case of discrepancies between this checklist and the bidding documents the latter shall prevail.
4. Any bid submitted after the deadline for submission and receipt of bids prescribed by the BulSU shall be declared "Late" and shall not be accepted by the BulSU.



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

## INVITATION TO BID FOR

### Supply, Delivery and Installation of Solar and Wind Energy Training System for SMART GRID Center

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

Name of Project: **Supply, Delivery and Installation of Solar and Wind Energy Training System for SMART GRID Center**

Location : **Bulacan State University, City of Malolos, Bulacan**

ABC : **Php 7,500,000.00**

Delivery Period : **Sixty (60) Calendar Days**

Prospective bidders should have an experience of having completed within the last three (3) years a single contract that is similar to the contract to be bid, and whose value, adjusted to current prices using the wholesale consumer price index, must be at least fifty percent (50%) of the approved budget for the contract to be bid. 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	<b>October 30-November 05, 2020</b>	PhilGEPS website ( <a href="http://www.philgeps.gov.ph">www.philgeps.gov.ph</a> ), BuSU website ( <a href="http://www.bulsu.edu.ph">www.bulsu.edu.ph</a> ) and at conspicuous places in the premises of BuSU
2. Issuance of Bid Documents	<b>October 30, 2020 to November 17, 2020</b>	2 <sup>nd</sup> Floor Procurement Office, CSSP Building (near Gate 4), BuSU Main Campus
3. Pre-bid Conference	<b>November 05, 2020 (Thursday) 1:30 p.m.</b>	Via Google Meet – <a href="https://meet.google.com/sao-eohb-nxi">https://meet.google.com/sao-eohb-nxi</a>
4. Deadline of Submission and Opening of Bids	<b>November 17, 2020 (Tuesday) 1:30 a.m. and 1:35 a.m.</b>	Infront of Cashier, Flores Hall, Bulacan State University

Bid Documents will be available to prospective bidders only upon payment of a non-refundable fee of **Seven Thousand Five Hundred Pesos Only (₱ 7,500.00)** 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, 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.

For further information, please refer to:

*Bulacan State University-BAC Secretariat*

*Guinhawa, City of Malolos, Bulacan 3000*

*Telefax. No. (044) 794-7755; (044)919-7800 local 1053*

*Email Address: [bac.goods@bulsu.edu.ph](mailto:bac.goods@bulsu.edu.ph)*

*Website: [www.bulsu.edu.ph](http://www.bulsu.edu.ph)*

  
**Assoc. Prof. Joseph Roy Celestino**  
*BAC Chairperson, Goods, Supplies, & Services*



Republic of the Philippines  
**BULACAN STATE UNIVERSITY**  
City of Malolos, Bulacan  
Tel nos.: (044) 919-7800 loc. 1053/ (044) 794-7755

## **BIDS AND AWARDS COMMITTEE FOR GOODS, SUPPLIES, AND SERVICES**

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Project Reference No.: BulSU-BAC-G-2020-28  
Date: October 27, 2020

### **INVITATION TO BID FOR Supply, Delivery and Installation of Solar and Wind Energy Training System for SMART GRID Center (BulSU-BAC-G-2020-28)**

1. The ***Bulacan State University (BulSU)***, through the ***General Fund 2020*** intends to apply the sum of ***Seven Million Five Hundred Thousand Pesos Only (₱ 7,500,000.00)*** being the Approved Budget for the Contract (ABC) to payments under the contract for ***Supply, Delivery and Installation of Solar and Wind Energy Training System for SMART GRID Center (BulSU-BAC-G-2020-28)***. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The ***Bulacan State University (BulSU)*** now invites bids for ***Supply, Delivery and Installation of Solar and Wind Energy Training System for SMART GRID Center (BulSU-BAC-G-2020-28)***. Delivery of the Goods is required within ***Sixty (60) calendar days upon receipt of Notice to Proceed and Purchase Order***. Bidders should have completed, ***within the last three (3) years*** from the date of submission and receipt of bids (November 17, 2020), a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instructions to Bidders.
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “pass/fail” criterion as specified in the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the “Government Procurement Reform Act”.  
  
In addition, bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA 5183.
4. Interested bidders may obtain further information from ***Bulacan State University*** and inspect the Bidding Documents at the address given below during *office hours from 8:00 a.m. to 5:00 p.m., Monday to Friday (Except on holidays)*.
5. A complete set of Bidding Documents may be acquired by interested Bidders on ***October 30 to November 17, 2020*** from the address below *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Seven Thousand Five Hundred only (₱ 7,500.00)*.

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 applicable fee for the Bidding Documents not later than **November 17, 2020**.

6. The **Bulacan State University** will hold a Pre-Bid Conference on **November 5, 2020 (Thursday), 1:30 p.m.** via Google Meet thru this link: <https://meet.google.com/sao-eohb-nxi>
7. Bids must be duly received by the BAC Secretariat at the address below on or before **November 17, 2020 (Tuesday), 1:30 p.m.** All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 18.  
  
Bid opening shall be on **November 16, 2020 (Tuesday), 1:35 p.m.** Infront of Cashier Flores Hall, Bulacan State University, Brgy. Guinhawa, City of Malolos, Bulacan 3000. 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.
8. The **Bulacan State University** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Section 41 of RA 9184 and its IRR, without thereby incurring any liability to the affected bidder or bidders.
9. For further information, please refer to:

**ELIZABETH D. SUNGA**

*Procurement Office (BAC Secretariat Division)*

*Bulacan State University*

*Guinhawa, City of Malolos, Bulacan 3000*

*Tel. No. (044)919-7800 local 1053 or 1054; Fax No. (044) 794-7755*

*Email Address: [bac.goods@bulsu.edu.ph](mailto:bac.goods@bulsu.edu.ph)*

*Website: [www.bulsu.edu.ph](http://www.bulsu.edu.ph)*

  
**Assoc. Prof. Joseph Roy Celestino**  
*Chairperson*  
*BAC Goods, Supplies, & Services*

## **A. General**

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

- 1.1. The Procuring Entity named in the **BDS** invites bids for the supply and delivery of the Goods as described in Section VII. Technical Specifications.
- 1.2. The name, identification, and number of lots specific to this bidding are provided in the **BDS**. The contracting strategy and basis of evaluation of lots is described in **ITB** Clause 28.

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

The BULACAN STATE UNIVERSITY has a budget or has 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.

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

- 3.1. Unless otherwise specified in the **BDS**, the BULACAN STATE UNIVERSITY as well as the bidders and suppliers shall observe the highest standard of ethics during the procurement and execution of the contract. In pursuance of this policy, the BULACAN STATE UNIVERSITY:
  - (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 government, 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 RA 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.
    - (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 any of the practices mentioned in this Clause for purposes of competing for the contract.
- 3.2. Further, the BULACAN STATE UNIVERSITY will seek to impose the maximum civil, administrative, and/or criminal penalties available under 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 bidder or supplier in the bidding for and performance of a contract themselves or through independent auditors as reflected in the **GCC** Clause 3.

#### 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) below 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;
- (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 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.

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;
- (d) If the Bidder is a cooperative, to all its officers, directors, and controlling shareholders or members; and
- (e) If the Bidder is a joint venture (JV), the provisions of items (a), (b), (c), or (d) 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 provided 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 sixty percent (60%) of the interest belongs to citizens of the Philippines;
- (c) Corporations duly organized under the laws of the Philippines, and of which at least sixty percent (60%) of the outstanding capital stock belongs to citizens of the Philippines;
- (d) Cooperatives duly organized under the laws of the Philippines; and
- (e) Persons/entities forming themselves into a Joint Venture (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 Filipino ownership or interest of the JV concerned shall be at least sixty percent (60%).

5.2. Foreign bidders may be eligible to participate when any of the following circumstances exist, as specified in the **BDS**:

- (a) When a Treaty or International or Executive Agreement as provided in Section 4 of RA 9184 and its IRR allow foreign bidders to participate;
- (b) Citizens, corporations, or associations of a country, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations, or associations of the Philippines;
- (c) When the Goods sought to be procured are not available from local suppliers; or
- (d) When there is a need to prevent situations that defeat competition or restrain trade.

- 5.3. Government owned or –controlled corporations (GOCCs) 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 attached agencies of the BULACAN STATE UNIVERSITY.
- 5.4. Unless otherwise provided in the **BDS**, the Bidder must have completed a Single Largest Completed Contract (SLCC) similar to the Project and the value of which, adjusted, if necessary, by the Bidder to current prices using the Philippine Statistics Authority (PSA) consumer price index, must be at least equivalent to a percentage of the ABC stated in the **BDS**.

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

- 5.5. The Bidder must submit a computation of its Net Financial Contracting Capacity (NFCC), which must be at least equal to the ABC to be bid, calculated as follows:

NFCC = [(Current assets minus current liabilities) (15)] 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 to be bid.

The values of the domestic bidder's current assets and current liabilities shall be based on the latest Audited Financial Statements submitted to the BIR.

For purposes of computing the foreign bidders' NFCC, the value of the current assets and current liabilities shall be based on their audited financial statements prepared in accordance with international financial reporting standards.

If the prospective bidder opts to submit a committed Line of Credit, it must be at least equal to ten percent (10%) of the ABC to be bid. If issued by a foreign universal or commercial bank, it shall be confirmed or authenticated by a local universal or commercial bank.

## **6. Bidder's Responsibilities**

- 6.1. The Bidder or its duly authorized representative shall submit a sworn statement in the form prescribed in Section VIII. 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 10.4.
- (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 RA 9184 and its IRR in relation to other provisions of RA 3019;
- (j) Complying with existing labor laws and standards, in the case of procurement of services; Moreover, bidder undertakes to:
  - (i) Ensure the entitlement of workers to wages, hours of work, safety and health and other prevailing conditions of work as established by national laws, rules and regulations; or collective bargaining agreement; or arbitration award, if and when applicable.

In case there is a finding by the BULACAN STATE UNIVERSITY or the DOLE of underpayment or non-payment of workers’ wage and wage-related benefits, bidder agrees that the performance security or portion of the contract amount shall be withheld in favor of the complaining workers pursuant to appropriate provisions of Republic Act No. 9184 without prejudice to the institution of appropriate actions under the Labor Code, as amended, and other social legislations.

- (ii) Comply with occupational safety and health standards and to correct deficiencies, if any.

In case of imminent danger, injury or death of the worker, bidder undertakes to suspend contract implementation pending clearance to proceed from the DOLE Regional Office and to comply with Work Stoppage Order; and

- (iii) Inform the workers of their conditions of work, labor clauses under the contract specifying wages, hours of work and other benefits under prevailing national laws, rules and regulations; or collective bargaining agreement; or arbitration award, if and when applicable, through posting in two (2) conspicuous places in the establishment's premises; and
- (k) Ensuring that it did not give or pay, directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

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

- 6.3. The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents.
- 6.4. It shall be the sole responsibility of the Bidder to determine and to satisfy itself by such means as it considers necessary or desirable as to all matters pertaining to the contract to be bid, including: (a) the location and the nature of this Project; (b) climatic conditions; (c) transportation facilities; and (d) other factors that may affect the cost, duration, and execution or implementation of this Project.
- 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. However, the BULACAN STATE UNIVERSITY shall ensure that all information in the Bidding Documents, including bid/supplemental bid bulletin/s issued, are correct and consistent.
- 6.6. Before submitting their bids, the Bidder is deemed to have become familiar with all existing laws, decrees, ordinances, acts and regulations of the Philippines which may affect this Project 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. The Bidder should note that the BULACAN STATE UNIVERSITY will accept bids only from those that have paid the applicable fee for the Bidding Documents at the office indicated in the Invitation to Bid.

## **7. Origin of Goods**

Unless otherwise indicated in the **BDS**, there is no restriction on the origin of goods other than those prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, subject to **ITB** Clause 27.1.

## **8. Subcontracts**

- 8.1. Unless otherwise specified in the **BDS**, the Bidder may subcontract portions of the Goods 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 Goods shall be disallowed.
- 8.3. The Bidder may identify the subcontractor to whom a portion of the Goods 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 and receipt of bids, but not earlier than seven (7) calendar days from the posting of the invitation to bid/bidding documents in the PhilGEPS website. 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. The minutes of the pre-bid conference shall be recorded and prepared not later than five (5) calendar days after the pre-bid conference. The minutes shall be made available to prospective bidders not later than five (5) days upon written request.
- 9.3. Decisions of the BAC amending any provision of the bidding documents shall be issued in writing through a Supplemental/Bid Bulletin at least seven (7) calendar days before the deadline for the submission and receipt of bids.

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

- 10.1. Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such 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. The BAC shall respond to the said request by issuing a Supplemental/Bid Bulletin, to be made available to all those who have properly secured the Bidding Documents, at least seven (7) calendar days before the deadline for the submission and receipt of Bids.
- 10.3. Supplemental/Bid Bulletins may also 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.
- 10.4. Any Supplemental/Bid Bulletin issued by the BAC shall also be posted in the PhilGEPS and the website of the BULACAN STATE UNIVERSITY, if available, and at any conspicuous place in the premises of the BULACAN STATE UNIVERSITY. It shall be the responsibility of all Bidders who have properly secured 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 eligibility requirements or statements, the bids, and all other documents to be submitted to the BAC must be in English. If the eligibility requirements or statements, the bids, and all other documents submitted to the BAC are in foreign language other than English, it must be accompanied by a translation of the documents in English. The documents shall be translated by the relevant foreign government agency, the foreign government agency authorized to translate documents, or a registered translator in the foreign bidder's country; and shall be authenticated by the appropriate Philippine foreign service establishment/post or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. 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) PhilGEPS Certificate of Registration and Membership in accordance with Section 8.5.2 of the IRR, except for foreign bidders participating in the procurement by a Philippine Foreign Service Office or Post, which shall submit their eligibility documents under Section 23.1 of the IRR, provided, that the winning bidder shall register with the PhilGEPS in accordance with section 37.1.4 of the IRR.
- (ii) Statement of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; and

Statement of the Bidder's SLCC similar to the contract to be bid, in accordance with ITB Clause 5.4, within the relevant period as provided in the **BDS**.

The two statements required shall indicate for each contract the following:

- (ii.1) name of the contract;
- (ii.2) date of the contract;
- (ii.3) contract duration;
- (ii.4) owner's name and address;
- (ii.5) kinds of Goods;

- (ii.6) For Statement of Ongoing Contracts - amount of contract and value of outstanding contracts;
  - (ii.7) For Statement of SLCC - amount of completed contracts, adjusted by the Bidder to current prices using PSA's consumer price index, if necessary for the purpose of meeting the SLCC requirement;
  - (ii.8) date of delivery; and
  - (ii.9) end user's acceptance or official receipt(s) or sales invoice issued for the contract, if completed, which shall be attached to the statements.
- (iii) NFCC computation in accordance with ITB Clause 5.5 or a committed Line of Credit from a universal or commercial bank.

Class "B" Document:

- (iv) If applicable, the Joint Venture Agreement (JVA) in case the joint venture is already in existence, or duly notarized statements from all the potential joint venture partners in accordance with Section 23.1(b) of the IRR.
- (b) Technical Documents –
- (i) Bid security in accordance with **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, it shall be accompanied by a certification by the Insurance Commission that the surety or insurance company is authorized to issue such instruments;
  - (ii) Conformity with technical specifications, as enumerated and specified in Sections VI and VII of the Bidding Documents; and
  - (iii) Sworn statement in accordance with Section 25.3 of the IRR of RA 9184 and using the form prescribed in Section VIII. Bidding Forms.
  - (iv) For foreign bidders claiming eligibility by reason of their country's extension of reciprocal rights to Filipinos, a certification from the relevant government office of their country stating that Filipinos are allowed to participate in



their government procurement activities for the same item or product.

### **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, which includes bid prices and the applicable Price Schedules, in accordance with **ITB** Clauses 15.1 and 15.4;
- (b) If the Bidder claims preference as a Domestic Bidder, a certification from the DTI issued in accordance with **ITB** Clause 27, unless otherwise provided in the **BDS**; and
- (c) Any other document related to the financial component of the bid as stated in the **BDS**.

13.2. (a) Unless otherwise stated 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 procuring entity has procedures in place to ensure that the ABC is based on recent estimates made by the responsible unit of the BULACAN STATE UNIVERSITY and that the estimates 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.
- (iv) The BULACAN STATE UNIVERSITY has established a system to monitor and report bid prices relative to ABC and engineer's/procuring entity'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 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 Bidder shall complete the appropriate Schedule of Prices included herein, stating the unit prices, total price per item, the total amount and the expected countries of origin of the Goods to be supplied under this Project.
- 15.2. The Bidder shall fill in rates and prices for all items of the Goods described in the Schedule of Prices. Bids not addressing or providing all of the required items in the Bidding Documents including, where applicable, Schedule of Prices, 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 zero (0) or a dash (-) for the said item would mean that it is being offered for free to the Government, except those required by law or regulations to be accomplished.
- 15.3. The terms Ex Works (EXW), Cost, Insurance and Freight (CIF), Cost and Insurance Paid to (CIP), Delivered Duty Paid (DDP), and other trade terms used to describe the obligations of the parties, shall be governed by the rules prescribed in the current edition of the International Commercial Terms (INCOTERMS) published by the International Chamber of Commerce, Paris.
- 15.4. Prices indicated on the Price Schedule shall be entered separately in the following manner:
- (a) For Goods offered from within the BULACAN STATE UNIVERSITY's country:
    - (i) The price of the Goods quoted EXW (ex works, ex factory, ex warehouse, ex showroom, or off-the-shelf, as applicable);
    - (ii) The cost of all customs duties and sales and other taxes already paid or payable;

- (iii) The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
    - (iv) The price of other (incidental) services, if any, listed in the **BDS**.
  - (b) For Goods offered from abroad:
    - (i) Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted DDP with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
    - (ii) The price of other (incidental) services, if any, listed in the **BDS**.
  - (c) For Services, based on the form which may be prescribed by the BULACAN STATE UNIVERSITY, in accordance with existing laws, rules and regulations
- 15.5. Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation or price escalation on any account. A bid submitted with an adjustable price quotation shall be treated as non-responsive and shall be rejected, pursuant to **ITB** Clause 24.

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. Upon the recommendation of the BULACAN STATE UNIVERSITY, 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 approval by the GPPB. 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.

## 16. Bid Currencies

- 16.1. Prices shall be quoted in the following currencies:
- (a) For Goods that the Bidder will supply from within the Philippines, the prices shall be quoted in Philippine Pesos.

- (b) For Goods that the Bidder will supply from outside the Philippines, the prices may be quoted in the currency(ies) stated 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 as published in the *Bangko Sentral ng Pilipinas* (BSP) reference rate bulletin 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 foregoing exchange rates.
- 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 18 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 Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount stated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the following schedule:

Form of Bid Security	Amount of Bid Security (Not Less than the 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.	Five percent (5%)

The Bid Securing Declaration mentioned above is an undertaking which states, among others, that the Bidder shall enter into contract with the BULACAN STATE UNIVERSITY and furnish the performance security required under ITB Clause 33.2, within ten (10) calendar days from receipt of the Notice of Award, and commits to pay the corresponding amount as fine, and be suspended for a period of time from being qualified to participate in any government procurement activity in the event it violates any of the conditions stated therein as provided in the guidelines issued by the GPPB.

- 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 request for reconsideration and/or protest, or upon the lapse of the reglementary period to file a request for reconsideration or protest. Without prejudice on its forfeiture, bid securities shall be returned only after the Bidder with the Lowest Calculated Responsive Bid (LCRB) 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 32, and the posting of the performance security pursuant to **ITB** Clause 33, the successful Bidder's bid security will be discharged, but in no case later than the bid security validity period as indicated in the **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 28.3(b);
    - (iii) has a finding against the veracity of any of the documents submitted as stated in **ITB** Clause 29.2;

- (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 LCRB;
  - (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 32; or
  - (ii) fails to furnish performance security in accordance with **ITB** Clause 33.

## 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 VIII. Bidding Forms on or before the deadline specified in the **ITB** Clauses 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. This shall also be observed for each lot in the case of lot procurement.

- 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 and submit 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. Each and every page of the Bid Form, including the Schedule of Prices, under Section VIII hereof, shall be signed by the duly authorized representative/s of the Bidder. Failure to do so shall be a ground for the rejection of the bid.
- 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 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 in accordance with **ITB** Clause 1.1;
  - (d) bear the specific identification of this bidding process indicated in the **ITB** Clause 1.2; 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. Bid envelopes that are not properly sealed and marked, as required in the bidding documents, shall not be rejected, but the Bidder or its duly authorized representative shall acknowledge such condition of the bid as submitted. The BAC or the BULACAN STATE UNIVERSITY shall assume no responsibility for the misplacement of the contents of the improperly sealed or marked bid, or for its premature opening.

## **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 BULACAN STATE UNIVERSITY. The BAC shall record in the minutes of bid submission and opening, the Bidder's name, its representative and the time the late bid was submitted.

### **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 and properly identified in accordance with ITB Clause 20, 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. The Letter of Withdrawal must be executed by the duly authorized representative of the Bidder identified in the Omnibus Sworn Statement, a copy of which should be attached to the letter.
- 23.3. Bids requested to be withdrawn in accordance with **ITB** Clause 23.1 shall be returned unopened to the Bidders. A Bidder, who has acquired the bidding documents, 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 bids in public, immediately after the deadline for the submission and receipt of bids, as specified in the **BDS**. In case the Bids cannot be opened as scheduled due to justifiable reasons, the BAC shall take custody of the Bids submitted and reschedule the opening of Bids on the next working day or at the soonest possible time through the issuance of a Notice of Postponement to be posted in the PhilGEPS website and the website of the BULACAN STATE UNIVERSITY concerned.
- 24.2. Unless otherwise specified in the **BDS**, the BAC shall open the first bid envelopes and determine each Bidder's compliance with the documents prescribed in **ITB** Clause 12, 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".
- 24.3. 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 13.2, 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.
- 24.4. 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.
- 24.5. All members of the BAC who are present during bid opening shall initial every page of the original copies of all bids received and opened.
- 24.6. In the case of an eligible foreign bidder as described in **ITB** Clause 5, the following Class "A" Documents may be substituted with the appropriate equivalent documents, if any, issued by the country of the

foreign Bidder concerned, which shall likewise be uploaded and maintained in the PhilGEPS in accordance with Section 8.5.2 of the IRR:

- (a) Registration certificate from the Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or CDA for cooperatives;
  - (b) Mayor's/Business permit issued by the local government where the principal place of business of the bidder is located; and
  - (c) Audited Financial Statements showing, among others, the prospective bidder's total and current assets and liabilities stamped "received" by the Bureau of Internal Revenue or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two years from the date of bid submission.
- 24.7. Each partner of a joint venture agreement shall likewise submit the requirements in **ITB** Clause 12.1(a)(i). Submission of documents required under **ITB** Clauses 12.1(a)(ii) to 12.1(a)(iii) by any of the joint venture partners constitutes compliance.
- 24.8. The BULACAN STATE UNIVERSITY shall prepare the minutes of the proceedings of the bid opening that shall include, as a minimum: (a) names of Bidders, their bid price (per lot, if applicable, and/or including discount, if any), bid security, findings of preliminary examination, and whether there is a withdrawal or modification; and (b) attendance sheet. The BAC members shall sign the abstract of bids as read.
- 24.8 The bidders or their duly authorized representatives may attend the opening of bids. The BAC shall ensure the integrity, security, and confidentiality of all submitted bids. The Abstract of Bids as read and the minutes of the bid opening shall be made available to the public upon written request and payment of a specified fee to recover cost of materials.
- 24.9 To ensure transparency and accurate representation of the bid submission, the BAC Secretariat shall notify in writing all bidders whose bids it has received through its PhilGEPS-registered physical address or official e-mail address. The notice shall be issued within seven (7) calendar days from the date of the bid opening.

## **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 otherwise allowed 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. Domestic Preference**

- 27.1. Unless otherwise stated in the **BDS**, the BULACAN STATE UNIVERSITY will grant a margin of preference for the purpose of comparison of bids in accordance with the following:

- (a) The preference shall be applied when the lowest Foreign Bid is lower than the lowest bid offered by a Domestic Bidder.
- (b) For evaluation purposes, the lowest Foreign Bid shall be increased by fifteen percent (15%).
- (c) In the event that the lowest bid offered by a Domestic Bidder does not exceed the lowest Foreign Bid as increased, then the BULACAN STATE UNIVERSITY shall award the contract to the Domestic Bidder at the amount of the lowest Foreign Bid.
- (d) If the Domestic Bidder refuses to accept the award of contract at the amount of the Foreign Bid within two (2) calendar days from receipt of written advice from the BAC, the BULACAN STATE UNIVERSITY shall award to the bidder offering the Foreign Bid, subject to post-qualification and submission of all the documentary requirements under these Bidding Documents.

- 27.2. A Bidder may be granted preference as a Domestic Bidder subject to the certification from the DTI that the Bidder is offering unmanufactured articles, materials or supplies of the growth or production of the Philippines, or manufactured articles, materials, or supplies manufactured or to be manufactured in the Philippines substantially from articles, materials, or supplies of the growth, production, or manufacture, as the case may be, of the Philippines.

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

- 28.1. 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.

- 28.2. The Lowest Calculated Bid shall be determined in two steps:
- (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 the highest. The bid with the lowest price shall be identified as the Lowest Calculated Bid.
- 28.3. The BULACAN STATE UNIVERSITY's BAC shall immediately conduct a detailed evaluation of all bids rated "passed," using non-discretionary pass/fail criteria. The BAC shall consider the following in the evaluation of bids:
- (a) Completeness of the bid. Unless the **BDS** allows partial bids, bids not addressing or providing all of the required items in the Schedule of Requirements including, where applicable, Schedule of Prices, 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 zero (0) or a dash (-) for the said item would mean that it is being offered for free to the BULACAN STATE UNIVERSITY, except those required by law or regulations to be provided for; and
  - (b) Arithmetical corrections. Consider computational errors and omissions to enable proper comparison of all eligible bids. It may also consider bid modifications. Any adjustment shall be calculated in monetary terms to determine the calculated prices.
- 28.4. 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**.
- 28.5. The BULACAN STATE UNIVERSITY's evaluation of bids shall be based on the bid price quoted in the Bid Form, which includes the Schedule of Prices.
- 28.6. 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.

- 28.7. If so indicated pursuant to **ITB** Clause 1.2, Bids are being invited for individual lots or for any combination thereof, provided that all Bids and combinations of Bids shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the BULACAN STATE UNIVERSITY. Bid prices quoted shall correspond to all items specified for each lot and to all quantities specified for each item of a lot. Bid Security as required by **ITB** Clause 18 shall be submitted for each contract (lot) separately. The basis for evaluation of lots is specified in BDS Clause 28.3.

## **29. Post-Qualification**

- 29.1. The BAC shall determine to its satisfaction whether the Bidder that is evaluated as having submitted the Lowest Calculated Bid complies with and is responsive to all the requirements and conditions specified in **ITB** Clauses 5, 12, and 13.
- 29.2. Within a non-extendible period of five (5) calendar days from receipt by the bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

Failure to submit any of the post-qualification requirements on time, or a finding against the veracity thereof, shall disqualify the bidder for award. Provided in the event that a finding against the veracity of any of the documents submitted is made, it shall cause the forfeiture of the bid security in accordance with Section 69 of the IRR of RA 9184.

- 29.3. 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, which shall be completed within a period of twelve (12) calendar days.
- 29.4. 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 LCRB, and recommend to the Head of the BULACAN STATE UNIVERSITY the award of contract to the said Bidder at its submitted price or its calculated bid price, whichever is lower.
- 29.5. 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 with a fresh period 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 LCRB is determined for recommendation for contract award.

- 29.6. Within a period not exceeding fifteen (15) calendar days from the determination by the BAC of the LCRB and the recommendation to award the contract, the Head of the BULACAN STATE UNIVERSITY or his duly authorized representative shall approve or disapprove the said recommendation.
- 29.7. In the event of disapproval, which shall be based on valid, reasonable, and justifiable grounds as provided for under Section 41 of the IRR of RA 9184, the Head of the BULACAN STATE UNIVERSITY shall notify the BAC and the Bidder in writing of such decision and the grounds for it. When applicable, the BAC shall conduct a post-qualification of the Bidder with the next Lowest Calculated Bid. A request for reconsideration may be filed by the bidder with the Head of the BULACAN STATE UNIVERSITY in accordance with Section 37.1.3 of the IRR of RA 9184.

### **30. Reservation Clause**

- 30.1. 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.
- 30.2. 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 GOP 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.
- 30.3. 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 LCRB refuses, without justifiable cause to accept the award of contract, and no award is made in accordance with Section 40 of the IRR of RA 9184.

## **F. Award of Contract**

### **31. Contract Award**

- 31.1. Subject to **ITB** Clause 29, the Head of the BULACAN STATE UNIVERSITY or its duly authorized representative shall award the contract to the Bidder whose bid has been determined to be the LCRB.
- 31.2. 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 duly received by the Bidder or its representative personally or sent by registered mail or electronically, receipt of which must be confirmed in writing within two (2) days by the Bidder with the LCRB and submitted personally or sent by registered mail or electronically to the BULACAN STATE UNIVERSITY.
- 31.3. 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 ten (10) calendar days from receipt of the Notice of Award:

- (i) Valid JVA, if applicable; or
    - (ii) In the case of procurement by a Philippine Foreign Service Office or Post, the PhilGEPS Registration Number of the winning foreign Bidder;
  - (b) Posting of the performance security in accordance with **ITB** Clause 33;
  - (c) Signing of the contract as provided in **ITB** Clause 32; and
  - (d) Approval by higher authority, if required, as provided in Section 37.3 of the IRR of RA 9184.
- 31.4. At the time of contract award, the BULACAN STATE UNIVERSITY shall not increase or decrease the quantity of goods originally specified in.

## **32. Signing of the Contract**

- 32.1. 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.
- 32.2. 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.
- 32.3. 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.
- 32.4. 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 (e.g., bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the BULACAN STATE UNIVERSITY's bid evaluation;
  - (d) Performance Security;
  - (e) Notice of Award of Contract; and
  - (f) Other contract documents that may be required by existing laws and/or specified in the **BDS**.

## **33. Performance Security**



- 33.1. 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.
- 33.2. The Performance Security shall be denominated in Philippine Pesos and posted in favor of the BULACAN STATE UNIVERSITY in an amount not less than the percentage of the total contract price in accordance with the following schedule:

Form of Performance Security	Amount of Performance Security (Not less than the Percentage of the Total Contract Price)
(a) Cash or cashier's/manager's check issued by a Universal or Commercial Bank.	Five percent (5%)
(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.	Thirty percent (30%)

- 33.3. 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 have a fresh period to initiate and complete the post qualification of the second Lowest Calculated Bid. The procedure shall be repeated until the LCRB is identified and selected for recommendation of 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, if necessary.

### **34. Notice to Proceed**

Within seven (7) calendar days from the date of approval of the contract by the appropriate government approving authority, the BULACAN STATE UNIVERSITY shall issue the Notice to Proceed (NTP) together with a copy or copies of the approved contract to the successful Bidder. All notices called for by the terms of the contract shall be effective only at the time of receipt thereof by the successful Bidder.

### **35. Protest Mechanism**

Decisions of the BULACAN STATE UNIVERSITY at any stage of the procurement process may be questioned in accordance with Section 55 of the IRR of RA 9184.

# Bid Data Sheet

ITB Clause	
1.1	<p>The Procuring Entity is <b>Bulacan State University (BuSU)</b></p> <p>The name of the Contract is: <b>Supply, Delivery and Installation of Solar and Wind Energy Training System for SMART GRID Center</b></p> <p>The identification number of the Contract is <b>BuSU-BAC-G-2020-28</b>.</p>
1.2	<p>The lot and reference is:</p> <p><b>Supply, Delivery and Installation of Solar and Wind Energy Training System for SMART GRID Center (BuSU-BAC-G-2020-28)</b></p>
2	<p>The Funding Source is:</p> <p>The Government of the Philippines (GOP) through <b>General Fund 2020</b> for the contract in the amount <b>Seven Million Five Hundred Thousand Pesos only (₱ 7,500,000.00)</b></p> <p>The name of the Project is <b>Supply and Delivery and Installation of Solar and Wind Energy Training System for SMART GRID Center (BuSU-BAC-G-2020-28)</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	<p>For the procurement of Non-expendable Supplies and Services: The Bidder must have completed, within the last <b>three (3) years</b> as specified in the Invitation to Bid and ITB Clause 12.1(a)(ii), a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.</p> <p>For this purpose, similar project shall refer to: <b>Solar and Wind Energy Training System</b></p>
7	No further instructions.
8.1	Subcontracting is not allowed.
8.2	Not applicable.
9.1	<p>The BULACAN STATE UNIVERSITY will hold a pre-bid conference for this Project on <b>November 05, 2020 (Thursday), 1:30 p.m.</b> via Google Meet thru this link: <a href="https://meet.google.com/sao-eohb-nxi">https://meet.google.com/sao-eohb-nxi</a></p>
10.1	<p>For clarification and amendment of bidding documents:</p> <p>The BULACAN STATE UNIVERSITY's address is:  2<sup>nd</sup> Floor Procurement Office, CSSP Building (near Gate 4), Bulacan State University, City of Malolos, Bulacan  Telefax Nos.: (044) 794-7755 / (044) 919-7800 local 1053  Website: <a href="http://www.bulsu.edu.ph">www.bulsu.edu.ph</a>  E-mail: <a href="mailto:bac.goods@bulsu.edu.ph">bac.goods@bulsu.edu.ph</a></p>
12.1(a)	<p>Eligibility Documents-</p> <p>Class "A" Documents:</p>

	<ol style="list-style-type: none"> <li>1. 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;</li> <li>2. Mayor's permit issued by the city or municipality where the principal place of business of the prospective bidder is located; and</li> <li>3. Audited financial statements, stamped "received" by the Bureau of Internal Revenue (BIR) or its duly accredited and authorized institutions, for the preceding calendar year, which should not be earlier than two (2) years from bid submission</li> <li>4. Valid and current Tax Clearance Certificate</li> <li>5. PhilGEPS Certificate of Registration (Platinum Membership)</li> </ol>
12.1(a)(ii)	<ul style="list-style-type: none"> <li>• Statement of all its ongoing government and private contracts, including contracts awarded but not yet started, <b>if any</b>, whether similar or not similar in nature and complexity to the contract to be bid; and</li> <li>• The bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid (<b>Supply and Delivery of Solar and Wind Energy Training System</b>), should have been completed within the last three (3) years prior to November 17, 2020.</li> </ul> <p>The two statements required shall indicate for each contract the following:</p> <ol style="list-style-type: none"> <li>(ii.1) name of the contract;</li> <li>(ii.2) date of the contract;</li> <li>(ii.3) contract duration;</li> <li>(ii.4) owner's name and address;</li> <li>(ii.5) kinds of Goods;</li> <li>(ii.6) For Statement of Ongoing Contracts - amount of contract and value of outstanding contracts;</li> <li>(ii.7) For Statement of SLCC - amount of completed contracts, adjusted by the Bidder to current prices using PSA's consumer price index, if necessary for the purpose of meeting the SLCC requirement;</li> <li>(ii.8) date of delivery; and</li> <li>(ii.9) end user's acceptance or official receipt(s) or sales invoice issued for the contract, if completed, which shall be attached to the statements.</li> </ol> <p>Note:</p> <p>A copy of the SLCC and proof of completion, i.e. Notice of Award or Notice to Proceed or Contract or Purchase Order <b>and</b></p>

	end-user's acceptance or official receipt(s)/ collection receipt(s) or sales invoice issued for the contract, shall be submitted by all the Bidders as part of the first envelope.
12.1(b)(v)	<p><b>Additional Documents to be included in the Technical Component:</b></p> <ol style="list-style-type: none"> <li>1. Brochure / catalogue from the manufacturer of the item being offered; brochure should not be amended by the supplier<sup>2</sup></li> <li>2. Picture of actual item/s with specific name of model to be delivered</li> <li>3. Manufacturer's and/or supplier's ISO Certification</li> <li>4. Manufacturer's Site Training for at least Four (4) Participants</li> <li>5. Warranty Certificate – 2 year</li> <li>6. Certificate of Distributorship issued by the Manufacturer</li> <li>7. Very satisfactory performance rating from the concerned end-user unit (for previous supplier of BulSU)</li> </ol>
13.1(b)	No further instructions.
13.1(c)	Preferably with Soft Copy in compact disc (CD) or flash drive of the bid prices and applicable Price Schedules using Microsoft Excel
13.2	<p>The ABC is <b>Seven Million Five Hundred Thousand Pesos only (₱ 7,500,000.00).</b></p> <p>Any bid with a financial component exceeding this amount shall not be accepted.</p>
15.4(a)(iv)	No incidental services are required.
15.4(b)	Not applicable.
16.1(b)	The Bid prices for Goods supplied from outside of the Philippines shall be quoted in Philippine Pesos.
16.3	Not applicable.
17.1	Bids will be valid <b>One Hundred Twenty (120) calendar days</b> from opening of bids.
18.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ol style="list-style-type: none"> <li>1. <i>2% of ABC</i> - The amount of not less than <b>₱ 150,000.00</b>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or</li> <li>2. <i>5% of ABC</i> - The amount of not less than <b>₱ 375,000.00</b> if bid security is in Surety Bond.</li> </ol>
18.2	The bid security shall be valid <b>One Hundred Twenty (120) calendar days</b> from opening of bids.
20.3	Each Bidder shall submit <b><u>one (1) original or certified true copy of the original and three (3) additional photocopies of the first and second components of its bid duly signed by the authorized representative of the bidder.</u></b>
21	The address for submission of bids is

	<p>In front of Cashier Flores Hall, Bulacan State University, Guinhawa, City of Malolos, Bulacan 3000.</p> <p>The deadline for submission of bids is on <b>November 17, 2020 (Tuesday), 1:30 p.m.</b></p>
24.1	<p>The place of bid opening is:</p> <p>In front of Cashier Flores Hall, Bulacan State University, Guinhawa, City of Malolos, Bulacan 3000.</p> <p>The date and time of bid opening is on <b>November 17, 2020 (Tuesday), 1:35 p.m.</b></p>
24.2	No further instructions.
24.3	No further instructions.
27.1	No further instructions.
28.3 (a)	<p><b>Grouping and Evaluation of Lots –</b></p> <p>Partial bid is not allowed. The goods are grouped in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.</p>
28.4	No further instructions.
29.2	<p><b>Post-Qualification</b></p> <p>Within a non-extendible period of five (5) calendar days from receipt by the bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit the following documents:</p> <p>1.Latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS)</p>
32.4(f)	No other contract documents needed.

## 1. Definitions

1.1. In this Contract, the following terms shall be interpreted as indicated:

- (a) "The Contract" means the agreement entered into between the BULACAN STATE UNIVERSITY and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- (b) "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
- (c) "The Goods" means all of the supplies, equipment, machinery, spare parts, other materials and/or general support services which the Supplier is required to provide to the BULACAN STATE UNIVERSITY under the Contract.
- (d) "The Services" means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.
- (e) "GCC" means the General Conditions of Contract contained in this Section.
- (f) "SCC" means the Special Conditions of Contract.
- (g) "The Procuring Entity" means the organization purchasing the Goods, as named in the SCC.
- (h) "The BULACAN STATE UNIVERSITY's country" is the Philippines.
- (i) "The Supplier" means the individual contractor, manufacturer distributor, or firm supplying/manufacturing the Goods and Services under this Contract and named in the SCC.
- (j) The "Funding Source" means the organization named in the SCC.
- (k) "The Project Site," where applicable, means the place or places named in the SCC.
- (l) "Day" means calendar day.
- (m) The "Effective Date" of the contract will be the date of signing the contract, however the Supplier shall commence performance of its obligations only upon receipt of the Notice to Proceed and copy of the approved contract.

- (n) "Verified Report" refers to the report submitted by the Implementing Unit to the Head of the BULACAN STATE UNIVERSITY setting forth its findings as to the existence of grounds or causes for termination and explicitly stating its recommendation for the issuance of a Notice to Terminate.

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

2.1. Unless otherwise provided in the **SCC**, the BULACAN STATE UNIVERSITY as well as the bidders, contractors, or suppliers shall observe the highest standard of ethics during the procurement and execution of this Contract. In pursuance of this policy, the BULACAN STATE UNIVERSITY:

- (a) defines, for the 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 it 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 Government, 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.
  - (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 any of the practices mentioned in this Clause for purposes of competing for the contract.

2.2. Further the Funding Source, Borrower or 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 any of the practices mentioned in **GCC** Clause 2.1(a).

### **3. Inspection and Audit by the Funding Source**

The Supplier shall permit the Funding Source to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the Funding Source, if so required by the Funding Source.

### **4. Governing Law and Language**

- 4.1. This Contract shall be interpreted in accordance with the laws of the Republic of the Philippines.
- 4.2. 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 exchanged by the parties shall be written in English.

## 5. Notices

- 5.1. Any notice, request, or consent required or permitted to be given or made pursuant to this Contract shall be in writing. Any such notice, request, or consent shall be deemed to have been given or made when received by the concerned party, either in person or through an authorized representative of the Party to whom the communication is addressed, or when sent by registered mail, telex, telegram, or facsimile to such Party at the address specified in the **SCC**, which shall be effective when delivered and duly received or on the notice's effective date, whichever is later.
- 5.2. A Party may change its address for notice hereunder by giving the other Party notice of such change pursuant to the provisions listed in the **SCC** for **GCC** Clause 5.1.

## 6. Scope of Contract

- 6.1. The Goods and Related Services to be provided shall be as specified in **Error! Reference source not found..**
- 6.2. This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. Any additional requirements for the completion of this Contract shall be provided in the **SCC**.

## 7. Subcontracting

- 7.1. Subcontracting of any portion of the Goods, if allowed in the **BDS**, does not relieve the Supplier of any liability or obligation under this Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants or workmen as fully as if these were the Supplier's own acts, defaults, or negligence, or those of its agents, servants or workmen.
- 7.2. If subcontracting is allowed, the Supplier may identify its subcontractor during contract implementation. Subcontractors disclosed and identified during the bidding may be changed during the implementation of this Contract. In either case, 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 Goods shall be disallowed.

## 8. Procuring Entity's Responsibilities

- 8.1. Whenever the performance of the obligations in this Contract requires that the Supplier obtain permits, approvals, import, and other licenses from local public authorities, the BULACAN STATE UNIVERSITY shall,

if so needed by the Supplier, make its best effort to assist the Supplier in complying with such requirements in a timely and expeditious manner.

- 8.2. The BULACAN STATE UNIVERSITY shall pay all costs involved in the performance of its responsibilities in accordance with **GCC** Clause 6.

## 9. Prices

- 9.1. For the given scope of work in this Contract as awarded, all bid prices are considered fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances and upon prior approval of the GPPB in accordance with Section 61 of R.A. 9184 and its IRR or except as provided in this Clause.
- 9.2. Prices charged by the Supplier for Goods delivered and/or services performed under this Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any change in price resulting from a Change Order issued in accordance with **GCC** Clause 29.

## 10. Payment

- 10.1. Payments shall be made only upon a certification by the Head of the BULACAN STATE UNIVERSITY to the effect that the Goods have been rendered or delivered in accordance with the terms of this Contract and have been duly inspected and accepted. Except with the prior approval of the President no payment shall be made for services not yet rendered or for supplies and materials not yet delivered under this Contract. Ten percent (10%) of the amount of each payment shall be retained by the BULACAN STATE UNIVERSITY to cover the Supplier's warranty obligations under this Contract as described in **GCC** Clause 17.
- 10.2. The Supplier's request(s) for payment shall be made to the BULACAN STATE UNIVERSITY in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and/or Services performed, and by documents submitted pursuant to the **SCC** provision for **GCC** Clause 6.2, and upon fulfillment of other obligations stipulated in this Contract.
- 10.3. Pursuant to **GCC** Clause 10.2, payments shall be made promptly by the BULACAN STATE UNIVERSITY, but in no case later than sixty (60) days after submission of an invoice or claim by the Supplier. Payments shall be in accordance with the schedule stated in the **SCC**.
- 10.4. Unless otherwise provided in the **SCC**, the currency in which payment is made to the Supplier under this Contract shall be in Philippine Pesos.
- 10.5. Unless otherwise provided in the **SCC**, payments using Letter of Credit (LC), in accordance with the Guidelines issued by the GPPB, is allowed. For this purpose, the amount of provisional sum is indicated in the **SCC**. All charges for the opening of the LC and/or incidental expenses thereto shall be for the account of the Supplier.

## **11. Advance Payment and Terms of Payment**

- 11.1. Advance payment shall be made only after prior approval of the President, and shall not exceed fifteen percent (15%) of the Contract amount, unless otherwise directed by the President or in cases allowed under Annex "D" of RA 9184.
- 11.2. All progress payments shall first be charged against the advance payment until the latter has been fully exhausted.
- 11.3. For Goods supplied from abroad, unless otherwise indicated in the **SCC**, the terms of payment shall be as follows:
  - (a) On Contract Signature: Fifteen Percent (15%) of the Contract Price shall be paid within sixty (60) days from signing of the Contract and upon submission of a claim and a bank guarantee for the equivalent amount valid until the Goods are delivered and in the form provided in Section VIII. Bidding Forms.
  - (b) On Delivery: Sixty-five percent (65%) of the Contract Price shall be paid to the Supplier within sixty (60) days after the date of receipt of the Goods and upon submission of the documents (i) through (vi) specified in the **SCC** provision on Delivery and Documents.
  - (c) On Acceptance: The remaining twenty percent (20%) of the Contract Price shall be paid to the Supplier within sixty (60) days after the date of submission of the acceptance and inspection certificate for the respective delivery issued by the BULACAN STATE UNIVERSITY's authorized representative. In the event that no inspection or acceptance certificate is issued by the BULACAN STATE UNIVERSITY's authorized representative within forty five (45) days of the date shown on the delivery receipt, the Supplier shall have the right to claim payment of the remaining twenty percent (20%) subject to the BULACAN STATE UNIVERSITY's own verification of the reason(s) for the failure to issue documents (vii) and (viii) as described in the **SCC** provision on Delivery and Documents.

## **12. Taxes and Duties**

The Supplier, whether local or foreign, shall be entirely responsible for all the necessary taxes, stamp duties, license fees, and other such levies imposed for the completion of this Contract.

## **13. Performance Security**

- 13.1. 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 successful Bidder shall furnish the performance security in any the forms prescribed in the **ITB** Clause 33.2.

- 13.2. The performance security posted in favor of the BULACAN STATE UNIVERSITY shall be forfeited in the event it is established that the winning bidder is in default in any of its obligations under the contract.
- 13.3. The performance security shall remain valid until issuance by the BULACAN STATE UNIVERSITY of the Certificate of Final Acceptance.
- 13.4. The performance security may be released by the BULACAN STATE UNIVERSITY and returned to the Supplier after the issuance of the Certificate of Final Acceptance subject to the following conditions:
- (a) There are no pending claims against the Supplier or the surety company filed by the BULACAN STATE UNIVERSITY;
  - (b) The Supplier has no pending claims for labor and materials filed against it; and
  - (c) Other terms specified in the **SCC**.
- 13.5. In case of a reduction of the contract value, the BULACAN STATE UNIVERSITY 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.

#### **14. Use of Contract Documents and Information**

- 14.1. The Supplier shall not, except for purposes of performing the obligations in this Contract, without the BULACAN STATE UNIVERSITY's prior written consent, disclose this Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the BULACAN STATE UNIVERSITY. Any such disclosure shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.
- 14.2. Any document, other than this Contract itself, enumerated in **GCC** Clause 14.1 shall remain the property of the BULACAN STATE UNIVERSITY and shall be returned (all copies) to the BULACAN STATE UNIVERSITY on completion of the Supplier's performance under this Contract if so required by the BULACAN STATE UNIVERSITY.

#### **15. Standards**

The Goods provided under this Contract shall conform to the standards mentioned in the Section VII. Technical Specifications; and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods' country of origin. Such standards shall be the latest issued by the institution concerned.

## 16. Inspection and Tests

- 16.1. The BULACAN STATE UNIVERSITY or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the BULACAN STATE UNIVERSITY. The **SCC** and Section VII. Technical Specifications shall specify what inspections and/or tests the BULACAN STATE UNIVERSITY requires and where they are to be conducted. The BULACAN STATE UNIVERSITY shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.
- 16.2. If applicable, the inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at the goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the BULACAN STATE UNIVERSITY. The Supplier shall provide the BULACAN STATE UNIVERSITY with results of such inspections and tests.
- 16.3. The BULACAN STATE UNIVERSITY or its designated representative shall be entitled to attend the tests and/or inspections referred to in this Clause provided that the BULACAN STATE UNIVERSITY shall bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.
- 16.4. The BULACAN STATE UNIVERSITY may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the BULACAN STATE UNIVERSITY, and shall repeat the test and/or inspection, at no cost to the BULACAN STATE UNIVERSITY upon giving a notice pursuant to **GCC** Clause 5.
- 16.5. The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the BULACAN STATE UNIVERSITY or its representative, shall release the Supplier from any warranties or other obligations under this Contract.

## 17. Warranty

- 17.1. The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials, except when the technical specifications required by the BULACAN STATE UNIVERSITY provides otherwise.
- 17.2. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship or

from any act or omission of the Supplier that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.

- 17.3. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier for a minimum period specified in the **SCC**. The obligation for the warranty shall be covered by, at the Supplier's option, either retention money in an amount equivalent to at least one percent (1%) of every progress payment, or a special bank guarantee equivalent to at least one percent (1%) of the total Contract Price or other such amount if so specified in the **SCC**. The said amounts shall only be released after the lapse of the warranty period specified in the **SCC**; provided, however, that the Supplies delivered are free from patent and latent defects and all the conditions imposed under this Contract have been fully met.
- 17.4. The BULACAN STATE UNIVERSITY shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, within the period specified in the **SCC** and with all reasonable speed, repair or replace the defective Goods or parts thereof, without cost to the BULACAN STATE UNIVERSITY.
- 17.5. If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in **GCC** Clause 17.4, the BULACAN STATE UNIVERSITY may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the BULACAN STATE UNIVERSITY may have against the Supplier under the Contract and under the applicable law.

## **18. Delays in the Supplier's Performance**

- 18.1. Delivery of the Goods and/or performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the BULACAN STATE UNIVERSITY in **Error! Reference source not found.**
- 18.2. If at any time during the performance of this Contract, the Supplier or its Subcontractor(s) should encounter conditions impeding timely delivery of the Goods and/or performance of Services, the Supplier shall promptly notify the BULACAN STATE UNIVERSITY in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, and upon causes provided for under **GCC** Clause 22, the BULACAN STATE UNIVERSITY shall evaluate the situation and may extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of Contract.
- 18.3. Except as provided under **GCC** Clause 22, a delay by the Supplier in the performance of its obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to **GCC** Clause 19, unless an

extension of time is agreed upon pursuant to **GCC** Clause 29 without the application of liquidated damages.

## **19. Liquidated Damages**

Subject to **GCC** Clauses 18 and 22, if the Supplier fails to satisfactorily deliver any or all of the Goods and/or to perform the Services within the period(s) specified in this Contract inclusive of duly granted time extensions if any, the BULACAN STATE UNIVERSITY shall, without prejudice to its other remedies under this Contract and under the applicable law, deduct from the Contract Price, as liquidated damages, the applicable rate of one tenth (1/10) of one (1) percent of the cost of the unperformed portion for every day of delay until actual delivery or performance. The maximum deduction shall be ten percent (10%) of the amount of contract. Once the maximum is reached, the BULACAN STATE UNIVERSITY may rescind or terminate the Contract pursuant to **GCC** Clause 23, without prejudice to other courses of action and remedies open to it.

## **20. Settlement of Disputes**

- 20.1. If any dispute or difference of any kind whatsoever shall arise between the BULACAN STATE UNIVERSITY and the Supplier in connection with or arising out of this Contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
- 20.2. If after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the BULACAN STATE UNIVERSITY or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.
- 20.3. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under this Contract.
- 20.4. In the case of a dispute between the BULACAN STATE UNIVERSITY and the Supplier, the dispute shall be resolved in accordance with Republic Act 9285 ("R.A. 9285"), otherwise known as the "Alternative Dispute Resolution Act of 2004."
- 20.5. Notwithstanding any reference to arbitration herein, the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and the BULACAN STATE UNIVERSITY shall pay the Supplier any monies due the Supplier.

## **21. Liability of the Supplier**



- 21.1. The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines, subject to additional provisions, if any, set forth in the **SCC**.
- 21.2. Except in cases of criminal negligence or willful misconduct, and in the case of infringement of patent rights, if applicable, the aggregate liability of the Supplier to the BULACAN STATE UNIVERSITY shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

## **22. Force Majeure**

- 22.1. The Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that the Supplier's delay in performance or other failure to perform its obligations under the Contract is the result of a *force majeure*.
- 22.2. 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 Supplier 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 Supplier. Such events may include, but not limited to, acts of the BULACAN STATE UNIVERSITY in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 22.3. If a *force majeure* situation arises, the Supplier shall promptly notify the BULACAN STATE UNIVERSITY in writing of such condition and the cause thereof. Unless otherwise directed by the BULACAN STATE UNIVERSITY in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the *force majeure*.

## **23. Termination for Default**

- 23.1. The BULACAN STATE UNIVERSITY shall terminate this Contract for default when any of the following conditions attends its implementation:
- (a) Outside of *force majeure*, the Supplier fails to deliver or perform any or all of the Goods within the period(s) specified in the contract, or within any extension thereof granted by the BULACAN STATE UNIVERSITY pursuant to a request made by the Supplier prior to the delay, and such failure amounts to at least ten percent (10%) of the contract price;
  - (b) As a result of *force majeure*, the Supplier is unable to deliver or perform any or all of the Goods, amounting to at least ten percent (10%) of the contract price, for a period of not less than sixty (60)

calendar days after receipt of the notice from the BULACAN STATE UNIVERSITY stating that the circumstance of force majeure is deemed to have ceased; or

- (c) The Supplier fails to perform any other obligation under the Contract.

23.2. In the event the BULACAN STATE UNIVERSITY terminates this Contract in whole or in part, for any of the reasons provided under **GCC** Clauses 23 to 26, the BULACAN STATE UNIVERSITY may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the BULACAN STATE UNIVERSITY for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of this Contract to the extent not terminated.

23.3. In case the delay in the delivery of the Goods and/or performance of the Services exceeds a time duration equivalent to ten percent (10%) of the specified contract time plus any time extension duly granted to the Supplier, the BULACAN STATE UNIVERSITY may terminate this Contract, forfeit the Supplier's performance security and award the same to a qualified Supplier.

## **24. Termination for Insolvency**

The BULACAN STATE UNIVERSITY shall terminate this Contract if the Supplier 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 Supplier, 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 Supplier.

## **25. Termination for Convenience**

25.1. 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 a contract for the convenience of the Government 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.

25.2. The Goods that have been delivered and/or performed or are ready for delivery or performance within thirty (30) calendar days after the Supplier's receipt of Notice to Terminate shall be accepted by the BULACAN STATE UNIVERSITY at the contract terms and prices. For Goods not yet performed and/or ready for delivery, the BULACAN STATE UNIVERSITY may elect:

- (a) to have any portion delivered and/or performed and paid at the contract terms and prices; and/or
  - (b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed and/or performed goods and for materials and parts previously procured by the Supplier.
- 25.3. If the Supplier suffers loss in its initial performance of the terminated contract, such as purchase of raw materials for goods specially manufactured for the BULACAN STATE UNIVERSITY which cannot be sold in open market, it shall be allowed to recover partially from this Contract, on a *quantum meruit* basis. Before recovery may be made, the fact of loss must be established under oath by the Supplier to the satisfaction of the BULACAN STATE UNIVERSITY before recovery may be made.

## **26. Termination for Unlawful Acts**

- 26.1. The BULACAN STATE UNIVERSITY may terminate this Contract in case it is determined *prima facie* that the Supplier has engaged, before or during the implementation of this Contract, in unlawful deeds and behaviors relative to contract acquisition and implementation. Unlawful acts include, but are not limited to, the following:
- (a) Corrupt, fraudulent, and coercive practices as defined in **ITB** Clause 3.1(a);
  - (b) Drawing up or using forged documents;
  - (c) Using adulterated materials, means or methods, or engaging in production contrary to rules of science or the trade; and
  - (d) Any other act analogous to the foregoing.

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

- 27.1. The following provisions shall govern the procedures for 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 Implementing Unit 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 Implementing Unit, the Head of the BULACAN STATE UNIVERSITY shall terminate this Contract only by a written notice to the Supplier 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 Supplier to show cause as to why this Contract should not be terminated; and
  - (iv) special instructions of the BULACAN STATE UNIVERSITY, if any.
- (c) The Notice to Terminate shall be accompanied by a copy of the Verified Report;
- (d) Within a period of seven (7) calendar days from receipt of the Notice of Termination, the Supplier shall submit to the Head of the BULACAN STATE UNIVERSITY a verified position paper stating why this Contract should not be terminated. If the Supplier 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 this Contract;
- (e) The BULACAN STATE UNIVERSITY may, at any time before receipt of the Supplier's verified position paper described in item (d) 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 Supplier's receipt of the notice;
- (f) 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 Supplier of its decision and, unless otherwise provided, this Contract is deemed terminated from receipt of the Supplier of the notice of decision. The termination shall only be based on the ground(s) stated in the Notice to Terminate;
- (g) 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; and
- (h) The Supplier must serve a written notice to the BULACAN STATE UNIVERSITY of its intention to terminate the contract at least thirty (30) calendar days before its intended termination. The Contract is deemed terminated if it is not resumed in thirty (30) calendar days after the receipt of such notice by the BULACAN STATE UNIVERSITY.

## **28. Assignment of Rights**

The Supplier shall not assign his rights or obligations under this Contract, in whole or in part, except with the BULACAN STATE UNIVERSITY's prior written consent.

## **29. Contract Amendment**

Subject to applicable laws, no variation in or modification of the terms of this Contract shall be made except by written amendment signed by the parties.

## **30. Application**

These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of this Contract.

# Special Conditions of Contract

GCC Clause	
1.1(g)	The Procuring Entity is <b><i>BULACAN STATE UNIVERSITY</i></b>
1.1(i)	The Supplier is _____
1.1(j)	The Government of the Philippines (GOP) through <b>General Fund 2020</b> in the amount of <b>Seven Million Five Hundred Thousand Pesos only (₱ 7,500,000.00)</b>
1.1(k)	The Project Site is BULACAN STATE UNIVERSITY, Brgy. Guinhawa, City of Malolos, Bulacan.
2.1	No further instructions.
5.1	<p>The BULACAN STATE UNIVERSITY's address for Notices is:</p> <p><b>Dr. CECILIA N. GASCON</b>  BulSU President  Bulacan State University, Guinhawa, City of Malolos, Bulacan  Telefax Nos: (044) 791-0153</p> <p>The Supplier's address for Notices is:</p> <p>_____</p>
6.2	<p><b>Delivery and Documents –</b></p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p>The delivery terms applicable to this Contract are delivered to the <b><i>Bulacan State University – City of Malolos, Bulacan</i></b>. Risk and title will pass from the Supplier to the BULACAN STATE UNIVERSITY upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI. Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are as follows:</p> <p>Upon delivery of the Goods to the Project Site, the Supplier shall notify the <b>Bulacan State University</b> and present the following documents to <b>Bulacan State University</b>:</p> <p>(i) Original and four copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;</p>

	<ul style="list-style-type: none"> <li>(ii) Original and four copies delivery receipt/note, railway receipt, or truck receipt;</li> <li>(iii) Original Supplier's factory inspection report;</li> <li>(iv) Original and four copies of the Manufacturer's and/or Supplier's warranty certificate;</li> <li>(v) Technical documentation- User's Guide, Data Sheet, and Unit's Standard and Extended Functions;</li> <li>(vi) Escalation Procedure in case of hardware failure;</li> <li>(vii) Project Management Plan</li> <li>(viii) Original and four copies of the certificate of origin (for imported Goods);</li> <li>(ix) Delivery receipt detailing number and description of items received signed by the authorized receiving personnel;</li> <li>(x) Certificate of Acceptance/Inspection Report signed by the BULACAN STATE UNIVERSITY's representative at the Project Site; and</li> <li>(xi) Four copies of the Invoice Receipt for Property signed by the BULACAN STATE UNIVERSITY's representative at the Project Site.</li> </ul> <p><b>Spare Parts –</b></p> <p>The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:</p> <ul style="list-style-type: none"> <li>(a) such spare parts as the BULACAN STATE UNIVERSITY may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and</li> <li>(b) in the event of termination of production of the spare parts: <ul style="list-style-type: none"> <li>i. advance notification to the BULACAN STATE UNIVERSITY of the pending termination, in sufficient time to permit the BULACAN STATE UNIVERSITY to procure needed requirements; and</li> <li>ii. following such termination, furnishing at no cost to the BULACAN STATE UNIVERSITY, the blueprints, drawings, and specifications of the spare parts, if requested.</li> </ul> </li> </ul> <p>The spare parts required are listed in Section VI. Schedule of Requirements and the cost thereof are included in the Contract Price</p>
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Other spare parts and components shall be supplied as promptly as possible, but in any case within one month of placing the order.

**Packaging –**

The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the GOODS' final destination and the absence of heavy handling facilities at all points in transit.

The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the BULACAN STATE UNIVERSITY.

The outer packaging must be clearly marked on at least four (4) sides as follows:

Name of the Procuring Entity

Name of the Supplier

Contract Description

Final Destination

Gross weight

Any special lifting instructions

Any special handling instructions

Any relevant HAZCHEM classifications

A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.

**Insurance –**

The Goods supplied under this Contract shall be fully insured by the Supplier in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery. The Goods remain at the risk and title of the Supplier until their final acceptance by the **Bulacan State University**.

**Transportation –**



	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.</p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the <b>Bulacan State University</b> certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered <i>force majeure</i> in accordance with <b>GCC</b> Clause 22.</p> <p>The <b>Bulacan State University</b> accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP Deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the BULACAN STATE UNIVERSITY until their receipt and final acceptance at the final destination.</p> <p><b>Patent Rights –</b></p> <p>The Supplier shall indemnify the <b>Bulacan State University</b> against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p>
10.4	Not applicable
10.5	Payment using LC is not allowed.
11.3	Maintain the GCC Clause.
13.4(c)	No further instructions.
16.1	<b>Inspections and tests of all the facilities procured should be done upon completion of installation.</b>

17.3	The contract pertains to Non-Expendable Supplies: One (1) year after acceptance by the BULACAN STATE UNIVERSITY of the delivered Goods or after the Goods are consumed, whichever is earlier.
17.4	The period for correction of defects in the warranty period is within 7 days upon receipt of warranty claim.
21.1	No additional provision.

## Section VI. Schedule of Requirements

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

Item	Description	Qty.	Unit	Delivered,
1	<b>Solar and Wind Energy Training System</b>  (See Technical Specification at Section VII)	1	lot	<b>Sixty (60) calendar days upon receipt of Notice to Proceed</b>

Prepared by:

Noted by:

(Sgd.) Engr. AL JUSTIN S. GERONIMO, MEE

(Sgd.) Engr. MARLON LEYESA

(Sgd.) Engr. RONAN CADMIEL C. CASTRO

I undertake to comply and deliver all the above requirements:

Company Name : \_\_\_\_\_  
Address : \_\_\_\_\_

AUTHORIZED REPRESENTATIVE:

Signature : \_\_\_\_\_  
Complete Name : \_\_\_\_\_  
Date : \_\_\_\_\_

# Section VII. Technical Specifications

Item	Description				Qty./unit	Statement of Compliance	
1	Solar and Wind Energy Training System Specification				1 LOT	Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a) (iii) and/or GCC Clause 2.1(a) (ii). Bidders must state here either	
	List of Equipment (Overview) The training system shall contain the following equipment:						
	Qty	Description	Qty	Description			
	1	Mobile Workstation (Assembled)	1	Power Usage Monitor			
	1	Digital Multimeter	1	Power Inverter with Remote Control			
	1	Battery Bank	1	Solar Charge Controller			
	1	Battery Bank Junction Box	1	Stop Switch			
	4	AC Outlet	3	DC Lamp Socket			
	3	Ammeter	1	Photovoltaic Module Assembly			
	1	DC Power Distribution Panel	1	Wind Turbine Generator with DC Motor			
	2	Disconnection Switch (Horizontal Mount)	1	Solar Array Junction Box			
	2	Disconnection Switch (Vertical Mount)	1	Sun Simulator Assembly			
	1	Diversión Load Controller	1	DC Motor Controller			
	1	Dump Load	1	Accessories Package			
	3	DC Circuit Breaker	1	Photovoltaic Systems Textbook			
	1	kWh Meters with AC Circuit Breaker Box	1	Wind Power Textbook			
	4	AC/DC Wall Switch	1	Connection Cables Kit			
	1	Lockout/Tagout Module	1	Student and Instructor Manuals			
	1	Power Bus Bar					
	Courseware The system courseware shall cover the following topics:						

	<b>Energy Fundamentals</b>	Sources of Energy Power and Work Measurements and Units	Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of <b>ITB</b> Clause 3.1(a) (iii) and/or <b>GCC</b> Clause 2.1(a) (ii).
	<b>Trainer Familiarization and Safety</b>	Trainer Components Safety Practices Lockout/Tagout Procedure Proper Grounding Equipment Protection	
	<b>Solar Module</b>	Siting Photovoltaic Module Charge Controller Loading Battery Bank	
	<b>Wind Turbine</b>	Siting Turbine Generator Stop Switch Loading Battery Bank	
	<b>Solar/Wind Systems</b>	Diversion Load and Controller DC to AC Inverter Power Consumption Power Efficiency Power Transmission and Distribution On/Off Grid Operation Hybrid Generator Troubleshooting	
	<b>Going Green</b>	Solar Energy History Wind Energy History Solar/Wind Energy Careers	
<b>A. <u>Solar/Wind Energy Training System consist of:</u></b>			
1. <b><u>The Solar/Wind Energy Mobile Workstation</u></b>			
<ul style="list-style-type: none"><li>The Solar/Wind Energy Mobile Workstation consists of a sturdy, welded-steel frame painted using powder-coated paint for a durable surface.</li></ul>			
<ul style="list-style-type: none"><li>The unit is mounted on four swivel casters with a locking mechanism that allow easy motion and stable operation.</li></ul>			
<ul style="list-style-type: none"><li>The workstation includes two perforated work surfaces for module installation and operation.</li></ul>			

<p>Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for</p>	<table><tr><th>Parameter</th><th>Value</th></tr><tr><td>Physical Characteristics</td><td></td></tr><tr><td>Dimensions (H x W x D)</td><td>(W x H x D) 92.75 x 88 x 33.5 in (235.6 x 223.5 x 85.1 cm)</td></tr></table>	Parameter	Value	Physical Characteristics		Dimensions (H x W x D)	(W x H x D) 92.75 x 88 x 33.5 in (235.6 x 223.5 x 85.1 cm)									
	Parameter	Value														
	Physical Characteristics															
	Dimensions (H x W x D)	(W x H x D) 92.75 x 88 x 33.5 in (235.6 x 223.5 x 85.1 cm)														
	<b>2. <u>Battery Bank</u></b>															
	<ul style="list-style-type: none"><li>The Battery Bank consists of a 12 V dc, 110 A·h, deep-cycle, sealed, lead-acid, absorptive glass mat (AGM) storage battery designed to store electrical energy produced from renewable energy sources such as solar power and wind power.</li></ul>															
	<table><tr><th>Parameter</th><th>Value</th></tr><tr><td>Battery</td><td></td></tr><tr><td>Type</td><td>Sealed, lead-acid, absorptive glass mat (AGM) storage battery</td></tr><tr><td>Rating</td><td>12 V dc, 110 A·h</td></tr><tr><td>Physical Characteristics</td><td></td></tr><tr><td>Dimensions (H x W x D)</td><td>17.2 x 26.7 x 33.0 cm (6.75 x 10.5 x 13 in)</td></tr><tr><td>Net Weight</td><td>32.25 g (71.10 lb)</td></tr></table>	Parameter	Value	Battery		Type	Sealed, lead-acid, absorptive glass mat (AGM) storage battery	Rating	12 V dc, 110 A·h	Physical Characteristics		Dimensions (H x W x D)	17.2 x 26.7 x 33.0 cm (6.75 x 10.5 x 13 in)	Net Weight	32.25 g (71.10 lb)	
	Parameter	Value														
	Battery															
	Type	Sealed, lead-acid, absorptive glass mat (AGM) storage battery														
	Rating	12 V dc, 110 A·h														
	Physical Characteristics															
	Dimensions (H x W x D)	17.2 x 26.7 x 33.0 cm (6.75 x 10.5 x 13 in)														
	Net Weight	32.25 g (71.10 lb)														
	<b>3. <u>Battery Bank Junction Box</u></b>															
	<ul style="list-style-type: none"><li>The Battery Bank Junction Box contains a 30 A dc circuit breaker and a 0.5 A dc ground-fault protection device (GFPD).</li></ul>															
	<table><tr><th>Parameter</th><th>Value</th></tr><tr><td>Junction Box Contents</td><td>One resettable battery bank circuit breaker and one ground-fault protection device (GFPD)</td></tr><tr><td>Battery Bank Circuit Breaker</td><td>30 A dc, resettable</td></tr><tr><td>Ground-Fault Protection Device</td><td>0.5 A dc</td></tr><tr><td>Physical Characteristics</td><td></td></tr><tr><td>Dimensions (H x W x D)</td><td>17.15 x 15.88 x 12.1 cm (6.75 x 6.25 x 4.75 in)</td></tr><tr><td>Net Weight</td><td>2.36 g (5.2 lb)</td></tr></table>	Parameter	Value	Junction Box Contents	One resettable battery bank circuit breaker and one ground-fault protection device (GFPD)	Battery Bank Circuit Breaker	30 A dc, resettable	Ground-Fault Protection Device	0.5 A dc	Physical Characteristics		Dimensions (H x W x D)	17.15 x 15.88 x 12.1 cm (6.75 x 6.25 x 4.75 in)	Net Weight	2.36 g (5.2 lb)	
	Parameter	Value														
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	Physical Characteristics															
	Dimensions (H x W x D)	17.15 x 15.88 x 12.1 cm (6.75 x 6.25 x 4.75 in)														
Net Weight	2.36 g (5.2 lb)															
<b>4. <u>Electrical AC Outlet</u></b>																
<ul style="list-style-type: none"><li>The Electrical AC Outlet consists of a 120 V ac electrical outlet that is used to provide a power source for devices requiring a standard, NEMA-type electrical outlet.</li></ul>																

	<b>Parameter</b>		<b>Value</b>	
	<b>Electrical Outlet</b>			
	Type	NEMA, two-pole, three-wire		
	Ratings	120 V, 15 A ,60 Hz		
	<b>Physical Characteristics</b>			
	Dimensions (H x W x D)	12.1 x 12.1 x 8.3 cm (4.75 x 4.75 x 3.25 in)		
	Net Weight	0.41 g (0.9 lb)		
	<b><u>5. Ammeter</u></b>			
	<ul style="list-style-type: none"><li>The Ammeter consists of a 30 A dc ammeter used for a multitude of purposes in conjunction with the Solar/Wind Energy Training Systems, such as measuring current flowing through the solar module, the wind turbine, or the dump load.</li></ul>			
	<b>Parameter</b>		<b>Value</b>	
	<b>Contacts</b>			
	Type	Analog		
	Rating	0-30 A dc		
	<b>Physical Characteristics</b>			
	Dimensions (H x W x D)	12.1 x 12.1 x 10.2 cm (4.75 x 4.75 x 4.0 in)		
	Net Weight	0.6 kg (1.3 lb)		
	<b><u>3. DC Power Distribution Panel</u></b>			
	<ul style="list-style-type: none"><li>The DC Power Distribution Panel consists of a fuse-protected distribution panels with four power outputs that can be used to provide power to low-voltage dc devices.</li></ul>			
	<b>Parameter</b>		<b>Value</b>	
	<b>Power Outputs</b>			
	Ratings	12 V dc, 5 A dc		
	Quantity	4 pairs of +/- power output terminals		
	<b>Power Input</b>			
	Ratings	12 V dc, 5 A dc		
	<b>Fault Switches</b>	4		
	<b>Fuse Protection</b>			
	Rating	250 V dc, 5 A dc		
	<b>Physical Characteristics</b>			
	Dimensions (H x W x D)	12.1 x 12.1 x 8.3 cm (4.75 x 4.75 x 3.25 in)		
	Net Weight	0.41 g (0.9 lb)		
	<b><u>4. Horizontal-Mount Disconnect Switch</u></b>			
	<ul style="list-style-type: none"><li>The Horizontal-Mount Disconnect Switch consists of a 40 A SPST horizontally mounted disconnect switch used for a multitude of purposes in conjunction with the Solar/Wind Energy Training Systems, such as opening the connection between the battery bank and the solar</li></ul>			

prosecution subject to the provisions of <b>ITB</b> Clause 3.1(a) (iii) and/or <b>GCC</b> Clause 2.1(a) (ii) Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of <b>ITB</b> Clause 3.1(a) (iii) and/or <b>GCC</b> Clause 2.1(a) (ii). Bidders must state here either “Comply” or “Not
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module, the wind turbine, the dump load, and the power inverter.		Comply” against each of the individual parameters of Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of <b>ITB</b> Clause 3.1(a) (iii) and/or <b>GCC</b> Clause 2.1(a) (ii). Bidders must
<b>Parameter</b>	<b>Value</b>	
<b>Contacts</b>		
Type	1 NO contact set with key	
Ratings	48 V dc, 40 A dc	
<b>Physical Characteristics</b>		
Dimensions (H x W x D)	7.62 x 12.7 x 12.1 cm (3.0 x 5.0 x 4.75 in)	
Net Weight	0.43 (0.95 lb)	
<b>5. <u>Vertical-Mount Disconnect Switch</u></b>		
<ul style="list-style-type: none"><li>The Vertical-Mount Disconnect Switch consists of a 40 A SPST vertically mounted disconnect switch used for a multitude of purposes in conjunction with the Solar/Wind Energy Training Systems, such as opening the connection between the battery bank and the solar module, the wind turbine, the dump load, and the power inverter.</li></ul>		
<b>Parameter</b>	<b>Value</b>	
<b>Contacts</b>		
Type	1 NO contact set with key	
Ratings	48 V dc, 40 A dc	
<b>Physical Characteristics</b>		
Dimensions (H x W x D)	12.7 x 7.62 x 12.1 cm (5.0 x 3.0 x 4.75 in)	
Net Weight	0.43 (0.95 lb.)	
<b>6. <u>Diversion Load Controller</u></b>		
<ul style="list-style-type: none"><li>The Diversion Load Controller consists of a 35 A PWM controller operating in shunt mode used for controlling the use of the electrical energy available in the battery bank of the Solar/Wind Energy Training Systems.</li></ul>		
<b>Parameter</b>	<b>Value</b>	
<b>Controller</b>		
Type	PWM controller operating in shunt mode	
Ratings	35 A dc	
<b>Physical Characteristics</b>		
Dimensions (H x W x D)	22.7 x 33.0 x 7.0 cm (9.0 x 13.0 x 2.75 in)	
Net Weight	2.1 kg (4.6 lb.)	
<b>7. <u>Dump Load</u></b>		
<ul style="list-style-type: none"><li>The Dump Load consists of a resistor used to convert into heat the excess electrical energy produced by the Solar/Wind Energy Training Systems once the battery bank is fully charged.</li></ul>		



	<table><tr><th>Parameter</th><th>Value</th></tr><tr><td>Dump Resistor</td><td>0.5 Ω, 100 W</td></tr><tr><td>Physical Characteristics</td><td></td></tr><tr><td>Dimensions (H x W x D)</td><td>22.7 x 33.0 x 9.53 cm (9.0 x 13.0 x 3.25 in)</td></tr><tr><td>Net Weight</td><td>1.95 g (4.3 lb)</td></tr></table>	Parameter	Value	Dump Resistor	0.5 Ω, 100 W	Physical Characteristics		Dimensions (H x W x D)	22.7 x 33.0 x 9.53 cm (9.0 x 13.0 x 3.25 in)	Net Weight	1.95 g (4.3 lb)	state here either “Comply” or “Not Comply” against each of the individual parameters of Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a) (iii) and/or GCC Clause 2.1(a) (ii). Bidders must state here either “Comply” or “Not															
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Net Weight	1.95 g (4.3 lb)																										
<b>8. <u>DC Circuit Breaker</u></b>																											
<ul style="list-style-type: none"><li>The DC Circuit Breaker consists of a resettable 50 A dc circuit breaker used to protect low-voltage devices.</li></ul>																											
<table><tr><th>Parameter</th><th>Value</th></tr><tr><td>Circuit Breaker</td><td></td></tr><tr><td>Type</td><td>Resettable NC bi-metal circuit breaker</td></tr><tr><td>Ratings</td><td>12 V dc, 50 A dc</td></tr><tr><td>Physical Characteristics</td><td></td></tr><tr><td>Dimensions (H x W x D)</td><td>12.1 x 12.1 x 7.6 cm (4.75 x 4.75 x 3.0 in)</td></tr><tr><td>Net Weight</td><td>0.41 g (0.9 lb)</td></tr></table>	Parameter	Value	Circuit Breaker		Type	Resettable NC bi-metal circuit breaker	Ratings	12 V dc, 50 A dc	Physical Characteristics		Dimensions (H x W x D)		12.1 x 12.1 x 7.6 cm (4.75 x 4.75 x 3.0 in)	Net Weight	0.41 g (0.9 lb)												
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Net Weight	0.41 g (0.9 lb)																										
<b>9. <u>kWh Meters with AC Circuit Breaker Box</u></b>																											
<ul style="list-style-type: none"><li>The kWh Meters with AC Circuit Breaker Box consists of two kWh meters and a circuit-breaker box.</li></ul>																											
<ul style="list-style-type: none"><li>One of the kWh meters is used to measure the power transmission to/from the utility grid.</li></ul>																											
<ul style="list-style-type: none"><li>The other is used to measure the power transmission to/from the electrical power source (e.g., solar panels, wind turbine).</li></ul>																											
<ul style="list-style-type: none"><li>The circuit-breaker box contains three resettable ac circuit breakers.</li></ul>																											
<table><tr><th>Parameter</th><th>Value</th></tr><tr><td>kWh Meters</td><td></td></tr><tr><td>Type</td><td>Analog</td></tr><tr><td>Ratings</td><td>120 V ac</td></tr><tr><td>Circuit-Breaker Box</td><td></td></tr><tr><td>Two-pole circuit breaker</td><td>120 V ac, 30 A ac, resettable, quantity: 1</td></tr><tr><td>One-pole circuit breakers</td><td>120 V ac, 15 A ac, resettable, quantity: 2</td></tr><tr><td>Physical Characteristics - kWh Meters</td><td></td></tr><tr><td>Dimensions (Dia. x D)</td><td>20.3 x 16.5 cm (8.0 x 6.5 in)</td></tr><tr><td>Net Weight</td><td>2.45 kg (5.4 lb)</td></tr><tr><td>Physical Characteristics - Circuit-Breaker Box</td><td></td></tr><tr><td>Dimensions (H x W x D)</td><td>33 x 17.8 x 8.9 cm (13.0 x 7.0 x 3.5 in)</td></tr><tr><td>Net Weight</td><td>10.0 lb (4.55 kg)</td></tr></table>	Parameter	Value	kWh Meters		Type	Analog	Ratings	120 V ac	Circuit-Breaker Box		Two-pole circuit breaker	120 V ac, 30 A ac, resettable, quantity: 1	One-pole circuit breakers	120 V ac, 15 A ac, resettable, quantity: 2	Physical Characteristics - kWh Meters		Dimensions (Dia. x D)	20.3 x 16.5 cm (8.0 x 6.5 in)	Net Weight	2.45 kg (5.4 lb)	Physical Characteristics - Circuit-Breaker Box		Dimensions (H x W x D)	33 x 17.8 x 8.9 cm (13.0 x 7.0 x 3.5 in)	Net Weight	10.0 lb (4.55 kg)	
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Net Weight	10.0 lb (4.55 kg)																										
<b>10. <u>AC/DC Wall Switch</u></b>																											

<ul style="list-style-type: none"><li>The AC/DC Wall Switch consists of an ac/dc toggle switch for turning power on or off to any electrical device connected to the module terminals. A switch on the rear of the module allows selection of the type of current (ac or dc) supplied by the wall switch. The ac and dc circuits of the wall switch are electrically isolated one from the other.</li></ul>																			
<table><tr><th>Parameter</th><th>Value</th></tr><tr><td><b>Toggle Switch</b></td><td></td></tr><tr><td>Type</td><td>SPST</td></tr><tr><td>Rating (AC)</td><td>120 V, 11 A</td></tr><tr><td>Rating (DC)</td><td>12 V, 5 A</td></tr><tr><td><b>Fault Switches</b></td><td>1</td></tr><tr><td><b>Physical Characteristics</b></td><td></td></tr><tr><td>Dimensions (H x W x D)</td><td>12.1 x 12.1 x 8.3 cm (4.75 x 4.75 x 3.25 in)</td></tr><tr><td>Net Weight</td><td>0.41 g (0.9 lb)</td></tr></table>	Parameter	Value	<b>Toggle Switch</b>		Type	SPST	Rating (AC)	120 V, 11 A	Rating (DC)	12 V, 5 A	<b>Fault Switches</b>	1	<b>Physical Characteristics</b>		Dimensions (H x W x D)	12.1 x 12.1 x 8.3 cm (4.75 x 4.75 x 3.25 in)	Net Weight	0.41 g (0.9 lb)	
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Net Weight	0.41 g (0.9 lb)																		
<b>11. <u>Lockout/Tagout Module</u></b>																			
<ul style="list-style-type: none"><li>The Lockout/Tagout Module consists of an SPST switch used to teach students the principles of safety procedures when working with electrical equipment.</li></ul>																			
<table><tr><th>Parameter</th><th>Value</th></tr><tr><td><b>Toggle Switch</b></td><td></td></tr><tr><td>Type</td><td>SPST with hasp</td></tr><tr><td>Rating</td><td>120 V ac, 15 A ac</td></tr><tr><td><b>Physical Characteristics</b></td><td></td></tr><tr><td>Dimensions (H x W x D)</td><td>12.1 x 14.0 x 10.2 cm (4.75 x 5.5 x 4.0 in)</td></tr><tr><td>Net Weight</td><td>1.18 g (2.6 lb)</td></tr></table>	Parameter	Value	<b>Toggle Switch</b>		Type	SPST with hasp	Rating	120 V ac, 15 A ac	<b>Physical Characteristics</b>		Dimensions (H x W x D)	12.1 x 14.0 x 10.2 cm (4.75 x 5.5 x 4.0 in)	Net Weight	1.18 g (2.6 lb)					
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Net Weight	1.18 g (2.6 lb)																		
<b>12. <u>Power Bus Bar</u></b>																			
<ul style="list-style-type: none"><li>The Power Bus Bar consists of a 12 V dc power bus bar fitted with positive and negative rails used for distributing electrical power to/from the battery bank. Terminal screws on the positive and negative rails allow connection to the bus bars.</li></ul>																			
<table><tr><th>Parameter</th><th>Value</th></tr><tr><td><b>Power Bus Bar</b></td><td></td></tr><tr><td>Terminals</td><td>Positive and negative terminal screws</td></tr><tr><td>Rating</td><td>48 V dc, 150 A dc</td></tr><tr><td><b>Physical Characteristics</b></td><td></td></tr><tr><td>Dimensions (H x W x D)</td><td>12.1 x 12.1 x 6.4 cm (4.75 x 4.75 x 2.5 in)</td></tr><tr><td>Net Weight</td><td>0.44 g (1 lb)</td></tr></table>	Parameter	Value	<b>Power Bus Bar</b>		Terminals	Positive and negative terminal screws	Rating	48 V dc, 150 A dc	<b>Physical Characteristics</b>		Dimensions (H x W x D)	12.1 x 12.1 x 6.4 cm (4.75 x 4.75 x 2.5 in)	Net Weight	0.44 g (1 lb)					
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Net Weight	0.44 g (1 lb)																		
<b>13. <u>Power Inverter with Remote Control</u></b>																			

Comply” against each of the individual parameters of Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of <b>ITB</b> Clause 3.1(a) (iii) and/or <b>GCC</b> Clause 2.1(a) (ii). Bidders must state here either “Comply” or “Not Comply” against each
--

<ul style="list-style-type: none"><li>The Power Inverter with Remote Control consists of a 1 kW dc-to-ac converter that converts 12 V dc power to 120 V ac power.</li></ul>	of the individual parameters of Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a) (iii) and/or GCC Clause 2.1(a) (ii). Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of Bidders must state here either “Comply” or “Not																		
<table><tr><th>Parameter</th><th>Value</th></tr><tr><td><b>Inverter</b></td><td></td></tr><tr><td>Type</td><td>Pure sinusoidal power inverter (with remote)</td></tr><tr><td>Output Rating</td><td>120 V ac</td></tr><tr><td>Power Rating</td><td>1 kW</td></tr><tr><td>Input Rating</td><td>12 V dc</td></tr><tr><td><b>Physical Characteristics</b></td><td></td></tr><tr><td>Dimensions (H x W x D)</td><td>27.3 x 37.5 x 10.8 cm (10.75 x 14.75 x 4.25 in)</td></tr><tr><td>Net Weight</td><td>5.65 g (12.45 lb)</td></tr></table>		Parameter	Value	<b>Inverter</b>		Type	Pure sinusoidal power inverter (with remote)	Output Rating	120 V ac	Power Rating	1 kW	Input Rating	12 V dc	<b>Physical Characteristics</b>		Dimensions (H x W x D)	27.3 x 37.5 x 10.8 cm (10.75 x 14.75 x 4.25 in)	Net Weight	5.65 g (12.45 lb)
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<b>14. <u>Stop Switch</u></b>																			
<ul style="list-style-type: none"><li>The Stop Switch consists of a 50 A SPDT “break-before-make” switch used for stopping the mechanical rotation of the wind turbine generator shaft during servicing or maintenance. The Stop Switch first disconnects the battery bank, then short-circuits the generator output.</li></ul>																			
<table><tr><th>Parameter</th><th>Value</th></tr><tr><td><b>Stop Switch</b></td><td></td></tr><tr><td>Type</td><td>SPDT center-off toggle switch</td></tr><tr><td>Rating</td><td>12 V dc, 50 A dc</td></tr><tr><td><b>Physical Characteristics</b></td><td></td></tr><tr><td>Dimensions (H x W x D)</td><td>12.1 x 12.1 x 10.8 cm (4.75 x 4.75 x 4.25 in)</td></tr><tr><td>Net Weight</td><td>0.41 g (0.9 lb)</td></tr></table>		Parameter	Value	<b>Stop Switch</b>		Type	SPDT center-off toggle switch	Rating	12 V dc, 50 A dc	<b>Physical Characteristics</b>		Dimensions (H x W x D)	12.1 x 12.1 x 10.8 cm (4.75 x 4.75 x 4.25 in)	Net Weight	0.41 g (0.9 lb)				
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Net Weight		0.41 g (0.9 lb)																	
<b>15. <u>DC Lamp Socket</u></b>																			
<ul style="list-style-type: none"><li>The DC Lamp Socket consists of a socket used for connecting a standard dc lamp. Positive and negative terminals on the module faceplate are used to power the lamp.</li></ul>																			
<table><tr><th>Parameter</th><th>Value</th></tr><tr><td><b>DC Lamp Socket</b></td><td></td></tr><tr><td>Rating</td><td>12 V dc, 5 A dc</td></tr><tr><td><b>Physical Characteristics</b></td><td></td></tr><tr><td>Dimensions (H x W x D)</td><td>12.1 x 12.1 x 8.3 cm (4.75 x 4.75 x 3.25 in)</td></tr><tr><td>Net Weight</td><td>0.41 g (0.9 lb)</td></tr></table>		Parameter	Value	<b>DC Lamp Socket</b>		Rating	12 V dc, 5 A dc	<b>Physical Characteristics</b>		Dimensions (H x W x D)	12.1 x 12.1 x 8.3 cm (4.75 x 4.75 x 3.25 in)	Net Weight	0.41 g (0.9 lb)						
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Net Weight		0.41 g (0.9 lb)																	
<b>16. <u>Photovoltaic (PV) Module Assembly</u></b>																			
<ul style="list-style-type: none"><li>The Photovoltaic (PV) Module Assembly consists of a photovoltaic panel that operates at a nominal voltage of 12 V dc and can produce up to 90 W of electrical power from solar energy.</li></ul>																			
<table><tr><th>Parameter</th><th>Value</th></tr><tr><td><b>Electrical Characteristics</b></td><td></td></tr></table>	Parameter	Value	<b>Electrical Characteristics</b>																
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	<table><tr><td>Nominal Voltage</td><td>12 V</td></tr><tr><td>Maximum Power</td><td>90 W</td></tr><tr><td>Maximum Power Voltage</td><td>18.3 V</td></tr><tr><td>Maximum Power Current</td><td>5.04 A</td></tr><tr><td>Short Circuit Current</td><td>5.38 A</td></tr><tr><td>Open Circuit Voltage</td><td>22.2 V</td></tr><tr><td>Efficiency</td><td>13.27 %</td></tr><tr><td><b>Physical Characteristics</b></td><td></td></tr><tr><td>Dimensions (H x W x D)</td><td>67.0 x 101.5 x 4.5 cm (26.4 x 40.0 x 1.8 in)</td></tr><tr><td>Net Weight</td><td>14.5 kg (32 lb)</td></tr></table>	Nominal Voltage	12 V	Maximum Power	90 W	Maximum Power Voltage	18.3 V	Maximum Power Current	5.04 A	Short Circuit Current	5.38 A	Open Circuit Voltage	22.2 V	Efficiency	13.27 %	<b>Physical Characteristics</b>		Dimensions (H x W x D)	67.0 x 101.5 x 4.5 cm (26.4 x 40.0 x 1.8 in)	Net Weight	14.5 kg (32 lb)	Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a) (iii) and/or GCC Clause 2.1(a) (ii). Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of Bidders must state here either “Comply” or “Not Comply” against each	
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<b>17. <u>Wind Turbine Generator with DC Motor (for Wind Simulator)</u></b>																							
<ul style="list-style-type: none"><li>The Wind Turbine Generator with DC Motor comprises a 90 V permanent magnet dc motor operating at 1800 rpm. This motor is mechanically linked to the wind turbine shaft in order to simulate wind energy.</li></ul>																							
<b>18. <u>Solar Array Junction Box</u></b>																							
<ul style="list-style-type: none"><li>The Solar Array Junction Box contains a 150 V dc - 8 A circuit breaker that also functions as a dc disconnect switch.</li></ul>																							
<table><tr><th>Parameter</th><th>Value</th></tr><tr><td><b>DC Disconnect</b></td><td></td></tr><tr><td>Maximum System Voltage</td><td>27.4 V</td></tr><tr><td>Maximum System Current</td><td>8.07 A</td></tr><tr><td>Rated Maximum Power-Point Voltage</td><td>17.9 V</td></tr><tr><td>Rated Maximum Power-Point Current</td><td>4.84 A</td></tr><tr><td>Rated Charge Controller Output Current</td><td>30 A</td></tr><tr><td><b>Solar Array Disconnect/Circuit Breaker</b></td><td>150 V dc, 8 A dc, resettable</td></tr><tr><td><b>Physical Characteristics</b></td><td></td></tr><tr><td>Dimensions (H x W x D)</td><td>17.2 x 15.9 x 12.0 cm (6.75 x 6.25 x 4.75 in)</td></tr><tr><td>Net Weight</td><td>2.40 g (4.5 lb)</td></tr></table>	Parameter	Value	<b>DC Disconnect</b>		Maximum System Voltage	27.4 V	Maximum System Current	8.07 A	Rated Maximum Power-Point Voltage	17.9 V	Rated Maximum Power-Point Current	4.84 A	Rated Charge Controller Output Current	30 A	<b>Solar Array Disconnect/Circuit Breaker</b>	150 V dc, 8 A dc, resettable	<b>Physical Characteristics</b>		Dimensions (H x W x D)	17.2 x 15.9 x 12.0 cm (6.75 x 6.25 x 4.75 in)	Net Weight		2.40 g (4.5 lb)
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<b>19. <u>Sun Simulator Assembly</u></b>																							
<ul style="list-style-type: none"><li>The Sun Simulator Assembly consists of an ac light assembly used for illuminating solar panels in order to simulate the production of electrical energy from solar power.</li></ul>																							
<table><tr><th>Parameter</th><th>Value</th></tr><tr><td><b>Power Requirements</b></td><td></td></tr><tr><td>Service Installation</td><td>Standard single-phase outlet</td></tr></table>	Parameter	Value	<b>Power Requirements</b>		Service Installation	Standard single-phase outlet																	
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<b>Power Requirements</b>																							
Service Installation	Standard single-phase outlet																						
<b>20. <u>DC Motor Controller (for Wind Simulator)</u></b>																							

<ul style="list-style-type: none"><li>The DC Motor Controller, a component of the Wind Simulator, is used to vary the speed of the dc motor to which it is connected.</li></ul>	of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a) (iii) and/or GCC Clause 2.1(a) (ii). Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of Bidders must state here either “Comply” or “Not Comply” against each of the individual																
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Parameter		Value															
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21. <u>Accessories Package</u>																	
<ul style="list-style-type: none"><li>The Accessories Package includes a battery charger, LED lamps, fluorescent lamps, incandescent lamps, 4 mm and 2 mm leads, and two-prong outlet bulb socket adapters</li></ul>																	
22. <u>Connection Cables Kit</u>																	
<ul style="list-style-type: none"><li>The Connection Cables Kit provides all the connection cables required to connect the different components of the Solar/Wind Energy Training System.</li></ul>																	
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23. <u>Photovoltaic Systems Textbook - (Student Manual)</u>																	
24. <u>Energy Fundamentals - (Job Sheets-Student)</u>																	
25. <u>Energy Fundamentals - (Job Sheets-Instructor)</u>																	
26. <u>Trainer Familiarization and Safety - (Job Sheets-Student)</u>																	
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28. <u>Solar Module - (Job Sheets-Student)</u>																	
29. <u>Solar Module - (Job Sheets-Instructor)</u>																	
30. <u>Wind Turbine - (Job Sheets-Student)</u>																	
31. <u>Wind Turbine - (Job Sheets-Instructor)</u>																	
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36. <u>Power Usage Monitor</u>																	

<ul style="list-style-type: none"><li>The Power usage monitor is a portable meter used for monitoring voltage, current, power, frequency, kWh, apparent power, power factor and time.</li></ul>	parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of <b>ITB</b> Clause 3.1(a) (iii) and/or <b>GCC</b> Clause 2.1(a) (ii). Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter																		
<b>37. <u>Trainer Frame Assembly Instruction</u></b>																			
<b>38. <u>Multimeter</u></b>																			
The Multimeter is used for ac/dc voltage, dc current, and resistance measurements.																			
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<b>B. <u>Outdoor Wind Turbine Module A:</u></b>																			
<ul style="list-style-type: none"><li>Add-on to the Solar/Wind Energy Training System. It consists of a Wind Turbine Generator, and an 8.84 m (29 ft) EZ Tower Kit (or Equivalent Technology). The tower kit comprises all the hardware required to erect the tower, such as pipes, anchors, and cables.</li></ul>																			
<b>1. <u>Wind Turbine Generator</u></b>																			
<ul style="list-style-type: none"><li>The Wind Turbine Generator consists of an advanced battery-charging wind turbine with heavy-duty design that can be used in the most high-wind environments. It is ideally suited for combination with solar panels and for experimentation in electrical energy production from renewable sources.</li></ul>																			
<table><tr><th>Parameter</th><th>Value</th></tr><tr><td>Energy</td><td>Approximately 30 kWh/mo at 5.8 m/s (13 mph)</td></tr><tr><td>Swept</td><td>Area 1.07 m<sup>2</sup> (11.5 ft<sup>2</sup>)</td></tr><tr><td>Rotor Diameter</td><td>1.17 m (46 in)</td></tr><tr><td>Startup Wind Speed</td><td>3.58 m/s (8 mph)</td></tr><tr><td>Voltage</td><td>12, 24, and 48 V dc</td></tr><tr><td>Turbine Controller</td><td>Microprocessor-based smart controller</td></tr></table>		Parameter	Value	Energy	Approximately 30 kWh/mo at 5.8 m/s (13 mph)	Swept	Area 1.07 m <sup>2</sup> (11.5 ft <sup>2</sup> )	Rotor Diameter	1.17 m (46 in)	Startup Wind Speed	3.58 m/s (8 mph)	Voltage	12, 24, and 48 V dc	Turbine Controller	Microprocessor-based smart controller				
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<b><u>2. EZ Tower Kit (Or Equivalent Technology)</u></b>																																					
<ul style="list-style-type: none"><li>The EZ Tower Kit is a complete kit for assembling an 8.84 m (29 ft) EZ tower. It comprises all the hardware required to erect the tower such as pipes, anchors, and cables. An installation manual is provided with the kit. Two people are required to erect the tower, but no winches or vehicles are necessary.</li></ul>																																					
<table><tr><th>Parameter</th><th>Value</th></tr><tr><td><b>Kit Content</b></td><td></td></tr><tr><td>Kit Content</td><td>Flared pipe, 183 x 4.1 cm (72 x 1.625 in)</td></tr><tr><td></td><td>Flared pipe, 91.4 x 4.1 cm (36 x 1.625 in)</td></tr><tr><td></td><td>Straight pipe, 183 x 4.1 cm (72 x 1.625 in)</td></tr><tr><td></td><td>Straight pipe, 91.4 x 4.1 cm (36 x 1.625 in)</td></tr><tr><td></td><td>Anchors</td></tr><tr><td></td><td>90-degree angle</td></tr><tr><td></td><td>Cable, 0.3 cm (0.125 in)</td></tr><tr><td></td><td>Earth staples</td></tr><tr><td></td><td>Cable clamps, 0.3 cm (0.125 in)</td></tr><tr><td></td><td>Cable thimbles, 0.3 cm (0.125 in)</td></tr><tr><td></td><td>Plastic Bag</td></tr><tr><td></td><td>Manual</td></tr><tr><td></td><td>Wire ties</td></tr><tr><td></td><td>Guy wire plate stampings</td></tr><tr><td></td><td>Hardware box</td></tr><tr><td></td><td>Pipe box</td></tr></table>	Parameter	Value	<b>Kit Content</b>		Kit Content	Flared pipe, 183 x 4.1 cm (72 x 1.625 in)		Flared pipe, 91.4 x 4.1 cm (36 x 1.625 in)		Straight pipe, 183 x 4.1 cm (72 x 1.625 in)		Straight pipe, 91.4 x 4.1 cm (36 x 1.625 in)		Anchors		90-degree angle		Cable, 0.3 cm (0.125 in)		Earth staples		Cable clamps, 0.3 cm (0.125 in)		Cable thimbles, 0.3 cm (0.125 in)		Plastic Bag		Manual		Wire ties		Guy wire plate stampings		Hardware box		Pipe box	
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<b><u>C. Outdoor Wind Turbine Module B</u></b>																																					
<ul style="list-style-type: none"><li>The Outdoor Wind Turbine Module B is an add-on to the Solar/Wind Energy Training System. It consists of a Wind Turbine Generator, and an 8.23 m (27 ft) Air- Guyed</li></ul>																																					

	Tower Kit. The tower kit comprises all the hardware necessary to erect the tower, except anchors, pipes, and concrete.		Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a) (iii) and/or GCC Clause 2.1(a) (ii). Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and
	<b><u>1.Wind Turbine Generator</u></b>		
	<ul style="list-style-type: none"><li>The Wind Turbine Generator consists of an advanced battery-charging wind turbine with heavy-duty design that can be used in the most high-wind environments. It is ideally suited for combination with solar panels and for experimentation in electrical energy production from renewable sources.</li></ul>		
	<b>Parameter</b>	<b>Value</b>	
	<b>Energy</b>	Approximately 30 kWh/mo at 5.8 m/s (13 mph)	
	<b>Swept</b>	Area 1.07 m <sup>2</sup> (11.5 ft <sup>2</sup> )	
	<b>Rotor Diameter</b>	1.17 m (46 in)	
	<b>Startup Wind Speed</b>	3.58 m/s (8 mph)	
	<b>Voltage</b>	12, 24, and 48 V dc	
	<b>Turbine Controller</b>	Microprocessor-based smart controller	
	<b>Body</b>	Permanent mold-cast aluminium	
	<b>Blades</b>	Three blades, injection-molded composite	
	<b>Synchronous Generator</b>	Permanent-magnet brushless	
	<b>Overspeed Protection</b>	Electronic torque control	
	<b>Survival Wind Speed</b>	49.2 m/s (110 mph)	
	<b>Mount</b>	1.5 in schedule 40 pipe with a 48 mm (1.9 in) outer diameter	
	<b>Wind Speed Operating Range</b>	3.6-22 m/s (8-49 mph)	
	<b>Optimum Wind Speed Range</b>	11-15 m/s (25-32 mph)	
	<b>Physical Characteristics</b>		
	Dimensions (H x W x D)	TBE	
	Net Weight	5.9 kg (13 lb)	
	<b><u>2. Air-Guyed Tower Kit (Or Equivalent Technology)</u></b>		
	<ul style="list-style-type: none"><li>The Air-Guyed Tower Kit is a kit for assembling a 8.23 m (27 ft) air-guyed tower. It comprises all the hardware necessary to erect the tower, except anchors, pipes, and concrete. An installation manual is provided with the kit. Two people are required to erect the tower, but no winches or vehicles are necessary.</li></ul>		
	<b>Parameter</b>	<b>Value</b>	
	<b>Kit Content</b>		
	Kit Content	1 wire set	
		2 tower base staples	
		2 bolts, 1 x 3.8 cm (0.375 x 1.5 in)	
		2 locknuts, 1 cm (0.375 in)	
		4 cable thimbles	
		8 cable clamps	



<b><u>D. Networked Data Acquisition System</u></b>		cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of <b>ITB</b> Clause 3.1(a) (iii) and/or <b>GCC</b> Clause 2.1(a) (ii). Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of
<ul style="list-style-type: none"><li>• The Networked Data Acquisition System is an add-on to the Solar/Wind Energy Training System, that comprises the Networked Data Acquisition Interface. This interface allows remote monitoring of the power and energy levels measured in the training system.</li></ul>		
<ul style="list-style-type: none"><li>• The measured data is transmitted using a wide area network (WAN) or a local area network (LAN). The Networked Data Acquisition System allows users to view real-time electrical, environmental, and ecological data via an internet or an intranet connection from most common web browsers.</li></ul>		
<ul style="list-style-type: none"><li>• Up to 30 users can access the data simultaneously. Additional sensors are required to make environmental measurements.</li></ul>		
<ul style="list-style-type: none"><li>• A pyranometer is provided to measure shortwave solar radiation, or irradiance. An anemometer is provided to measure average wind speeds.</li></ul>		
<b><u>Networked Data Acquisition Interface (NDAI) consist of:</u></b>		
<ul style="list-style-type: none"><li>• 1 Networked Data Acquisition Interface (NDAI)</li></ul>		
<ul style="list-style-type: none"><li>• 1 Interconnection Cables for 46120-J</li></ul>		
<ul style="list-style-type: none"><li>• 1 Accessories Kit</li></ul>		
<b><u>Solar Charge Controller:</u></b>		
<ul style="list-style-type: none"><li>• The Solar Charge Controller consists of a 30A PWM controller used for controlling the power produced by the solar panels in order to properly charge the battery bank.</li></ul>		
<b>Parameter</b>	<b>Value</b>	
<b>Charger Characteristics</b>		
Type	PWM series charger with temperature compensation	
Battery Types	Lead-acid batteries ranging from sealed (gel, AGM, maintenance-free) to Flooded and L-16 cells	
Charging Stages	Bulk, Absorption, Float, and Equalize	
<b>Electrical Characteristics</b>		
Nominal Battery Voltage	12 V	
Maximum Battery Current	30 A	
Maximum Solar Input Voltage	60 V	
Load Current Rating	30 A	
Self-Consumption	50 mA (when meter is at 100% brightness)	
<b>Electronic Protections</b>		
Solar Input	Overload, Short-Circuit, High Voltage, Reverse Polarity, High	

		Temperature, and Nighttime Reverse Current.		manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of <b>ITB</b> Clause 3.1(a) (iii) and/or <b>GCC</b> Clause 2.1(a) (ii). Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales
	Load Output	Overload, Short-Circuit, High Temperature, and Reverse Polarity		
	Battery Input	Reverse Polarity		
	<b><u>Wind Turbine Owner's Manual</u></b>			
	The Wind Turbine Owner's Manual is included with the Wind Turbine Generator. it covers the following topics concerning the wind turbine:			
	<ul style="list-style-type: none"> <li>• Important Safety Instructions and Technical Specifications</li> </ul>			
	<ul style="list-style-type: none"> <li>• Turbine Assembly</li> </ul>			
	<ul style="list-style-type: none"> <li>• Siting</li> </ul>			
	<ul style="list-style-type: none"> <li>• Towers</li> </ul>			
	<ul style="list-style-type: none"> <li>• Wiring Options</li> </ul>			
	<ul style="list-style-type: none"> <li>• Installation</li> </ul>			
	<ul style="list-style-type: none"> <li>• Air Wind Turbine Operation</li> </ul>			
	<ul style="list-style-type: none"> <li>• Maintenance</li> </ul>			
	<ul style="list-style-type: none"> <li>• Troubleshooting</li> </ul>			
	<ul style="list-style-type: none"> <li>• Exploded Views and Parts List</li> </ul>			
	<ul style="list-style-type: none"> <li>• Warranty</li> </ul>			
	<b><u>Networked Data Acquisition Interface (NDAI):</u></b>			
	The Networked Data Acquisition Interface (NDAI) is a remote monitoring interface. Ten analogs inputs on the module faceplate allow monitoring of different parameters of the Solar/Wind Energy Training System. These analog inputs include:			
	<ul style="list-style-type: none"> <li>• Six channels for monitoring dc power levels</li> </ul>			
	<ul style="list-style-type: none"> <li>• Two channels for monitoring ac power levels</li> </ul>			
	<ul style="list-style-type: none"> <li>• Two channels for monitoring environmental conditions</li> </ul>			
	In addition to the 10 possible parameters monitored using the analog inputs on the module faceplate, more than 22 additional parameters can be calculated and displayed on screen. These measured and calculated parameters include:			
	<b><u>Measured parameters</u></b>			
	<ul style="list-style-type: none"> <li>• AC load voltage</li> </ul>			
	<ul style="list-style-type: none"> <li>• AC load current</li> </ul>			
	<ul style="list-style-type: none"> <li>• DC load current</li> </ul>			
	<ul style="list-style-type: none"> <li>• Wind turbine current</li> </ul>			
	<ul style="list-style-type: none"> <li>• Solar module voltage</li> </ul>			

	<ul style="list-style-type: none"> <li>• Solar module current</li> </ul>	<p>literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of <b>ITB</b> Clause 3.1(a) (iii) and/or <b>GCC</b> Clause 2.1(a) (ii). Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of</p>
	<ul style="list-style-type: none"> <li>• Battery bank / Wind turbine / DC load voltage</li> </ul>	
	<ul style="list-style-type: none"> <li>• Battery bank current (negative = charging)</li> </ul>	
	<ul style="list-style-type: none"> <li>• Solar irradiance</li> </ul>	
	<ul style="list-style-type: none"> <li>• Wind speed</li> </ul>	
	<b>Calculated parameters</b>	
	<ul style="list-style-type: none"> <li>• Solar module power</li> </ul>	
	<ul style="list-style-type: none"> <li>• Wind turbine power</li> </ul>	
	<ul style="list-style-type: none"> <li>• Battery bank power</li> </ul>	
	<ul style="list-style-type: none"> <li>• DC load power</li> </ul>	
	<ul style="list-style-type: none"> <li>• Inverter input / Diverter output voltage</li> </ul>	
	<ul style="list-style-type: none"> <li>• Inverter input / Diverter output current</li> </ul>	
	<ul style="list-style-type: none"> <li>• Inverter input / Diverter output power</li> </ul>	
	<ul style="list-style-type: none"> <li>• Inverter output / AC load power</li> </ul>	
	<ul style="list-style-type: none"> <li>• Power inverter efficiency</li> </ul>	
	<ul style="list-style-type: none"> <li>• Total power generated</li> </ul>	
	<ul style="list-style-type: none"> <li>• Total power consumed</li> </ul>	
	<ul style="list-style-type: none"> <li>• Total energy generated</li> </ul>	
	<ul style="list-style-type: none"> <li>• Total energy consumed</li> </ul>	
	<ul style="list-style-type: none"> <li>• Total energy generated (long term)</li> </ul>	
	<ul style="list-style-type: none"> <li>• Total energy consumed (long term)</li> </ul>	
	<ul style="list-style-type: none"> <li>• Energy cost savings</li> </ul>	
	<ul style="list-style-type: none"> <li>• CO<sup>2</sup> emissions avoided</li> </ul>	
	<ul style="list-style-type: none"> <li>• Energy cost savings (long term)</li> </ul>	
	<ul style="list-style-type: none"> <li>• CO<sup>2</sup> emissions avoided (long term)</li> </ul>	
	<ul style="list-style-type: none"> <li>• CO<sup>2</sup> emissions offset (for driving)</li> </ul>	
	<ul style="list-style-type: none"> <li>• CO<sup>2</sup> emissions sequestered (by planting)</li> </ul>	
	<ul style="list-style-type: none"> <li>• Server access time</li> </ul>	
	<b>Interconnection Cables</b>	
	The Interconnection Cables, are required for wiring the Networked Data Acquisition System	
	<b>Accessories Kit</b>	
	The Accessories Kit comprises the following accessories for use with the Networked Data Acquisition System,	
	<ul style="list-style-type: none"> <li>• An Apogée SP100 silicon-cell photodiode pyranometer or equivalent</li> </ul>	
	<ul style="list-style-type: none"> <li>• An AL-100 leveling plate</li> </ul>	
	<ul style="list-style-type: none"> <li>• A Nor’easter anemometer</li> </ul>	
	<b>Supplier’s Reliability, and Support and Services Capability</b>	
	<ul style="list-style-type: none"> <li>• Certificate of Distributorship issued by the manufacturer</li> </ul>	
	<ul style="list-style-type: none"> <li>• 2-year Warranty</li> </ul>	
	<ul style="list-style-type: none"> <li>• Manufacturer’s and/or supplier’s ISO Certification</li> </ul>	
	<ul style="list-style-type: none"> <li>• Manufacturer’s Site Training for at least Four (4) Participants</li> </ul>	
	<ul style="list-style-type: none"> <li>• On Site Training for at least 10 Participants</li> </ul>	
	<ul style="list-style-type: none"> <li>• Parts and Service Availability for at least 5 years</li> </ul>	

Prepared by:

Noted by:

(Sgd.) Engr. AL JUSTIN S. GERONIMO, MEE

(Sgd.) Engr. MARLON LEYESA

(Sgd.) Engr. RONAN CADMIEL C. CASTRO  
**TWG**

I undertake to comply and deliver all the above requirements are true and correct, otherwise, if found false either during evaluation or post-qualifications, he same shall give rise to automatic disqualification of our bid:

Company Name : \_\_\_\_\_  
Address : \_\_\_\_\_

**AUTHORIZED REPRESENTATIVE:**

Signature : \_\_\_\_\_  
Complete Name : \_\_\_\_\_  
Date : \_\_\_\_\_

## Bid Form

---

Date: \_\_\_\_\_  
Invitation to Bid No: BulSU-BAC-G-2020-28

**Mr. JOSEPH ROY F. CELESTINO**  
*Chairperson, BAC Goods and Services*  
BULACAN STATE UNIVERSITY  
City of Malolos, Bulacan 3000

Dear Mr. Celestino:

Having examined the Bidding Documents including Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to *[supply/deliver/perform]* *[description of the Goods]* in conformity with the said Bidding Documents for the sum of *[total Bid amount in words and figures]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we undertake to provide a performance security in the form, amounts, and within the times specified in the Bidding Documents.

We agree to abide by this Bid for the Bid Validity Period specified in **BDS** provision for **ITB** Clause 18.2 and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
_____	_____	_____
_____	_____	_____
_____	_____	_____
(if none, state "None")		

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements as per **ITB** Clause 5 of the Bidding Documents.

We likewise certify/confirm that the undersigned, *[for sole proprietorships, insert:* as the owner and sole proprietor or authorized representative of Name of Bidder, has the full power and authority to participate, submit the bid, and to sign and execute the ensuing contract, on the latter's behalf for the **Supply, Delivery and Installation of Solar and Wind Training System for SMART GRID Center (BulSU-BAC-G-2020-28)** *[for partnerships, corporations, cooperatives, or joint ventures, insert:* is granted full power and authority by the Name of Bidder, to participate, submit the bid, and to sign and execute the ensuing contract on the latter's behalf **Supply, Delivery and Installation of Solar and Wind Training System for SMART GRID Center (BulSU-BAC-G-2020-28)**.

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 2020.

\_\_\_\_\_  
*[signature]*

\_\_\_\_\_  
*[in the capacity of]*

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

## For Goods Offered From Abroad

Name of Bidder \_\_\_\_\_ . Invitation to Bid Number BulSU-BAC-G-2020-28  
Page \_\_\_\_\_ of \_\_\_\_.

[illegible]

[signature]

*[in the capacity of]*

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

## For Goods Offered From Within the Philippines

Name of Bidder \_\_\_\_\_, Invitation to Bid Number BuISU-BAC-G-2020-28  
Page \_\_\_\_\_ of \_\_\_\_\_.

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of origin	Quantity	Unit price EXW per item	Transportation and Insurance and all other costs incidental to delivery, per item	Sales and other taxes payable if Contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)

\_\_\_\_\_  
*[signature]*

\_\_\_\_\_  
*[in the capacity of]*

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



Bulacan State University

Project Reference Number: BuISU-BAC-G-2020-28

Name of Project: **Supply, Delivery and Installation of Solar and Wind Energy Training System for SMART GRID Center**

Location of the Project: Bulacan State University, City of Malolos Bulacan

Standard Form Number:SF-GOOD-13a

Revised on: July 28, 2004

**List of All Ongoing Government & Private Contracts including Contracts Awarded But Not Yet Started**

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

Business Address: \_\_\_\_\_

Name of Contract/Location Project Cost	Date of the Contract	Contract Duration	Owner's Name and Address	Kinds of Goods	Amount of Contract	Value of Outstanding Contracts	Date of Delivery	End User's Acceptance or Official Receipt(s) Issued for the Contract, if completed
<b>Government</b>								
<b>Private</b>								

Notes: This statement shall be supported with:

1. Notice of Award or Notice to Proceed or Contract or P.O.
2. All spaces should be filled up with correct information

Submitted by : \_\_\_\_\_  
(Printed Name & Signature)

Designation : \_\_\_\_\_

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

Bulacan State University

Number

Standard Form Number: SF-GOOD-13b

Revised on: July 28, 2004

Project Reference Number: BulSU-BAC-G- 2020-28

Name of Project: **Supply, Delivery and Installation of Solar and Wind Energy Training System for SMART GRID Center**

Location of the Project: Bulacan State University, Malolos Bulacan

**Statement of Single Largest Completed Contract within the last three (3) years which is similar in nature**

(Project equivalent to at least fifty percent (50%) of the ABC)

Business Name :

Business Address:

Name of Contract/Location Project Cost	Date of the Contract	Contract Duration	Owner's Name and Address	Kinds of Goods	Amount of Contact	Value of Outstanding Contracts	Date of Delivery	End User's Acceptance or Official Receipt(s) Issued for the Contract, if completed
Government								
Private								

Notes: This statement shall be supported with:

1. Notice of Award or Notice to Proceed or Contract or P.O. with O.R. /C.R.
2. Certificate of completion and owner's acceptance
3. All spaces should be filled up with correct information

Submitted by :

(Printed Name & Signature)

Designation :

Date :

## CONTRACT OF AGREEMENT

### KNOW ALL MEN BY THOSE PRESENTS:

**THIS AGREEMENT** made this \_\_\_\_ day of \_\_\_\_\_ 2020 between the **BULACAN STATE UNIVERSITY**, Guinhawa, City of Malolos, Bulacan 3000 of the Philippines represented by President **DR. CECILIA N. GASCON** (hereinafter called "the Entity") and [Name of Supplier] represented by [Name of the Owner], Owner/General Manager with the principal address at [Name of Supplier] (hereinafter called "the Supplier") of the other part:

**WHEREAS**, the Entity invited Bids for certain goods viz., [Project Title] and the **BULACAN STATE UNIVERSITY** has accepted the Bid amounting to [Amount of the Contract] hereinafter called ("the Contract Price")

**WHEREAS**, as a measure of guarantee for the faithful performance of and compliance with his obligations under this contract, the **SUPPLIER** posted performance security in the form of \_\_\_\_\_ issued by \_\_\_\_\_ amounting to \_\_\_\_\_ (**₱** \_\_\_\_\_) which is \_\_\_\_ percent (\_\_\_\_%) of the contract price as specified in the Bidding Documents.

### 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 the Contract referred to.
2. The following Contract Documents are incorporated hereto and made integral part of this Agreement:
  - (a) The Bids Form and the Price Schedule submitted by the Bidder
  - (b) The Schedule of Requirements
  - (c) The Technical Specifications
  - (d) The General Conditions of the Contract
  - (e) The Special Conditions of the Contract
  - (f) The Supplements to the Bid Documents; and
  - (g) The Entity's Notification Award
3. In consideration of the payments to be made by the Entity to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Entity to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Entity hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the time and in the manner prescribed by the contract.
5. **LIQUIDATED DAMAGES:** The Supplier shall pay the Entity for liquidated damages (LD), an amount equal to one tenth (1/10) of one (1) percent of the cost of the unperformed portion for every day of delay until actual delivery or performance. The Entity shall deduct the LD from payments or any money due or which may be due to the Supplier under this Contract and/or collect such liquidated damages from the retention money or other securities posted by the Supplier whichever is convenient to the Entity. Once the cumulative amount of liquidated damages reaches ten

percent (10%) of the amount of this contract, the Entity shall rescind this contract, without prejudice to other courses of action and remedies open to the Entity.

6. **Section 62.1 (Warranty) of R.A. 9184:** For the procurement of goods, in order to assure that manufacturing defects shall be corrected by the supplier, a warranty security shall be required from the contract awardee for a minimum period of three (3) months, in the case of Expendable Supplies, or a minimum period of one (1) year, in the case of Non-expendable Supplies, after acceptance by the procuring entity of the delivered supplies.

The obligation for the warranty shall be covered by either retention money in an amount equivalent to at least one percent (1%) of every progress payment, or a special bank guarantee equivalent to at least one percent (1%) of the total contract price. The said amounts shall only be released after the lapse of the warranty period or, in the case of Expendable Supplies, after consumption thereof: Provided, however, that the supplies delivered are free from patent and latent defects and all the conditions imposed under the contract have been fully met. (a)

7. **RESOLUTION OF CONFLICTS:** In the event of any conflict arising from this Contract between the UNIVERSITY and the SUPPLIER, the parties shall endeavor to settle their conflicts amicably, failing which, the same shall be submitted to arbitration or to the jurisdiction of the courts of Malolos City, to the exclusion of all others.

**IN WITNESS whereof**, the parties hereto have caused this Agreement to be executed in accordance with the laws of the Republic of the Philippines on the day and year first above written.

**BULACAN STATE UNIVERSITY**

**SUPPLIER**

\_\_\_\_\_  
**CECILIA N. GASCON, Ph.D.**  
*President, BulSU*

\_\_\_\_\_  
*Owner/General Manager*

SIGNED IN THE PRESENCE OF:

\_\_\_\_\_  
*BulSU's Witness*

\_\_\_\_\_  
*Supplier's Witness*

**Funds Available:**

**FELICITAS G.MIRABUENOS**  
*Accountant IV, BulSU Accounting Office*

## ACKNOWLEDGMENT

REPUBLIC OF THE PHILIPPINES

\_\_\_\_\_) S.S.  
\_\_\_\_\_)

**BEFORE ME,** a Notary Public for and in the Province/City of \_\_\_\_\_ this \_\_\_\_\_, 2020, personally came and appeared:

Name	Presented I.D. Number	Issued at/ Date
DR. CECILIA N. GASCON		

Known to me and known to be the same persons who executed the foregoing instrument and acknowledged to me that same is the free and voluntary act and deed of the entities which they respectively represent.

The foregoing instrument is an AGREEMENT consisting of three (3) pages (exclusive of attachments), including this page on which this acknowledgment is written and signed by the parties hereto and their instrument witnesses on the left hand margin of each and every page hereof.

WITNESS MY HAND AND SEAL on the date and place first above written.

*Doc. No.* \_\_\_\_\_

*Page No.* \_\_\_\_\_

*Book No.* \_\_\_\_\_

*Series of 2020*

## Section VI. Schedule of Requirements

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

Item No.	Description	Quantity	Total	Delivered, Weeks/Months

Name of Agency:

Signature of Bidder or Authorized Representative:

Date:

## Section VII. Technical Specifications

Item	Specification	Quantity	"Comply" or "Not Comply"

Name of Agency:

Signature of Bidder or Authorized Representative:

Date:

## 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 or authorized representative 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, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

*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 to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

- 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:* The owner or sole proprietor is 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]*.
9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

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

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

**SUBSCRIBED AND SWORN** to before me this \_\_\_\_ day of *[month]* *[year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. \_\_\_\_\_ and his/her Community Tax Certificate No. \_\_\_\_\_ issued on \_\_\_\_ at \_\_\_\_\_.

Witness my hand and seal this \_\_\_\_ day of *[month]* *[year]*.

**NAME OF NOTARY PUBLIC**

Serial No. of Commission \_\_\_\_\_

Notary Public for \_\_\_\_\_ until \_\_\_\_\_

Roll of Attorneys No. \_\_\_\_\_

PTR No. \_\_\_\_\_ *[date issued]*, *[place issued]*

IBP No. \_\_\_\_\_ *[date issued]*, *[place issued]*

Doc. No. \_\_\_\_\_

Page No. \_\_\_\_\_

Book No. \_\_\_\_\_

Series of \_\_\_\_\_

## Bank Guarantee Form for Advance Payment

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To: *[name and address of PROCURING ENTITY]*  
*[name of Contract]*

Gentlemen and/or Ladies:

In accordance with the payment provision included in the Special Conditions of Contract, which amends Clause 10 of the General Conditions of Contract to provide for advance payment, *[name and address of Supplier]* (hereinafter called the "Supplier") shall deposit with the PROCURING ENTITY a bank guarantee to guarantee its proper and faithful performance under the said Clause of the Contract in an amount of *[amount of guarantee in figures and words]*.

We, the *[bank or financial institution]*, as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the PROCURING ENTITY on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding *[amount of guarantee in figures and words]*.

We further agree that no change or addition to or other modification of the terms of the Contract to be performed thereunder or of any of the Contract documents which may be made between the PROCURING ENTITY and the Supplier, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *[date]*.

Yours truly,

Signature and seal of the Guarantors

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*[name of bank or financial institution]*

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*[address]*

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*[date]*

## BID SECURING DECLARATION FORM

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

X-----X

### **BID SECURING DECLARATION** **Invitation to Bid:** *[Insert Reference number]*

To: *[Insert name and address of the Procuring Entity]*

I/We<sup>1</sup>, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid-Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
  - (a) Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
  - (b) I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right;
  - (c) I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

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<sup>1</sup> Select one and delete the other. Adopt the same instruction for similar terms throughout the document.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this \_\_\_\_ day  
of [month] [year] at [place of execution].

[Insert NAME OF BIDDER'S  
AUTHORIZED  
REPRESENTATIVE]  
[Insert Signatory's Legal Capacity]  
Affiant

**SUBSCRIBED AND SWORN** to before me this \_\_\_\_ day of [month] [year] at  
[place of execution], Philippines. Affiant/s is/are personally known to me and was/were  
identified by me through competent evidence of identity as defined in the 2004 Rules  
on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her [insert  
type of government identification card used], with his/her photograph and signature  
appearing thereon, with no. \_\_\_\_\_ and his/her Community Tax Certificate No.  
\_\_\_\_\_ issued on \_\_\_\_ at \_\_\_\_\_.

Witness my hand and seal this \_\_\_\_ day of [month] [year].

**NAME OF NOTARY PUBLIC**

Serial No. of Commission

\_\_\_\_\_

Notary Public for \_\_\_\_\_ until \_\_\_\_\_

Roll of Attorneys No. \_\_\_\_\_

issued]

PTR No. \_\_\_\_\_ [date issued], [place

IBP No. \_\_\_\_\_ [date issued], [place issued]

Doc. No. \_\_\_\_\_

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