PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

Procurement of GOODS

Government of the Republic of the Philippines

Contract Reference No. : IB_GOODS_2021-11-073

MODERNIZATION OF ENGINEERING LABORATORY

Name of Contract : EQUIPMENT TO COPE-UP WITH THE GLOBAL

CHALLENGE

KALINGA STATE UNIVERSITY-MAIN CAMPUS NATIONAL

HIGHWAY, PUROK 6, BULANAO, TABUK CITY, KALINGA

Name of Procuring Entity : KALINGA STATE UNIVERSITY (KSU)

Location of Contract



Kalinga State University envisions to be "a Knowledge and Technology Hub in Asia-Pacific Region"

Sixth Edition



BIDS AND AWARDS COMMITTEE







Table of Contents

Glossary	\prime of Acronyms, Terms, and Abbreviations $\dots \dots \dots$	2
Section	I. Invitation to Bid	4
Section	II. Instructions to Bidders	7
1.	Scope of Bid	8
2.	Funding Information	8
3.	Bidding Requirements	8
4.	Corrupt, Fraudulent, Collusive, and Coercive Practices	8
5.	Eligible Bidders	8
6.	Origin of Goods	9
7.	Subcontracts	9
8.	Pre-Bid Conference	9
9.	Clarification and Amendment of Bidding Documents	9
10.	Documents comprising the Bid: Eligibility and Technical Components	9
11.	Documents comprising the Bid: Financial Component	9
12.	Bid Prices	10
13.	Bid and Payment Currencies	10
14.	Bid Security	10
15.	Sealing and Marking of Bids	10
16.	Deadline for Submission of Bids	10
17.	Opening and Preliminary Examination of Bids	11
18.	Domestic Preference	11
19.	Detailed Evaluation and Comparison of Bids	11
20.	Post-Qualification	11
21.	Signing of the Contract	11
Section	III. Bid Data Sheet	.12
Section	IV. General Conditions of Contract	.14
1.	Scope of Contract	15
2.	Advance Payment and Terms of Payment	15
3.	Performance Security	15
4.	Inspection and Tests	15
5.	Warranty	15
6.	Liability of the Supplier	15
Section	V. Special Conditions of Contract	.16
Section	VI. Schedule of Requirements	.20
	VII. Technical Specifications	
	VIII. Checklist of Technical and Financial Documents	



BIDS AND AWARDS COMMITTEE

procurementservice_bac@ksu.edu.p



Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

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

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

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

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

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

CDA - Cooperative Development Authority.

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

CIF - Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

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

DTI – Department of Trade and Industry.

 $\mathbf{EXW} - \mathbf{Ex}$ works.

FCA – "Free Carrier" shipping point.

FOB - "Free on Board" shipping point.

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

Framework Agreement – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as "Call-Offs," are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting

ex bid document >>>
Page 2 of 36



BIDS AND AWARDS COMMITTEE

www.ksu.edu.ph





the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

GFI – Government Financial Institution.

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

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

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

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

LGUs - Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA - National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

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

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

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

UN – United Nations.

ex bid document >>>
Page 3 of 36



BIDS AND AWARDS COMMITTEE







Section I. Invitation to Bid

<c< bid="" document="">>></c<>	Page 4 of 36



BIDS AND AWARDS COMMITTEE







INVITATION TO BID FOR MODERNIZATION OF ENGINEERING LABORATORY EQUIPMENT TO COPE-UP WITH THE GLOBAL **CHALLENGE**

- 1. The Kalinga State University, through the Trust Receipt Fund (TRF) for CY 2021, intends to apply the sum of Twenty-one Million Three Hundred Thousand Philippine Pesos (Php 21,300,000.00) being the total ABC to payments under the contract for Modernization of Engineering Laboratory Equipment to Cope-Up with the Global Challenge/ IB_Goods_2021-11-073. Bids received in excess of the ABC for each lot shall be automatically rejected at bid opening.
- 2. The Kalinga State University now invites bids for the above Procurement Project. Delivery of the Goods is required by thirty (30) calendar days upon receipt of the Purchase Order. Bidders should have completed, within five (5) years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly in Section II (Instructions to Bidders).
- 3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
 - Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.
- 4. Prospective Bidders may obtain further information from Kalinga State University and inspect the Bidding Documents at the address given below during office hours from 9 am to 4 pm.
- 5. A complete set of Bidding Documents may be acquired by interested Bidders on November 17, 2021 (Wednesday) until 10 am of December 7, 2021 (Tuesday) from the given address and websites below, and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Twenty Five Thousand Philippine Pesos (Php 25,000.00) as prescribed in the Guidelines for the sum of the ABC of all lots. The Procuring Entity shall allow the bidder to present its proof of payment for the fees either in person or through electronic means.

The Kalinga State University will hold a Pre-Bid Conference on November 25, 2021 (Thursday), 10 am at the BAC Conference Room, Procurement Management Office, Administration Building, KSU-Main Campus, National Highway, Purok 6, Bulanao, Tabuk City, Kalinga, and/or through video conferencing or webcasting via Google Meet Platform at the link: meet.google.com/gze-ibzd-gfq, which shall be open to prospective bidders.

- 6. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below, on or before 10 am on December 7, 2021 (Tuesday). Late bids shall not be accepted.
- 7. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 14.
- 8. Bid opening shall be on 10:01 am on December 7, 2021 (Tuesday) at the given address below and/or via Google Meet Platform at the link meet.google.com/mzy-wfhe-qrt. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
- 9. Bidders should comply with the applicable provisions of Section 23.4.1.1 of 2016 Revised IRR of R.A. 9184 (Eligibility Criteria for Procurement of Goods) and with a modified set of requirements integrating eligibility

<<< bid document >>> Page 5 of 36



Republic of the Philippines KALINGA STATE UNIVERSITY Purok 6, Bulanao, Tabuk City, Kalinga 3800 KINS ANN ALLANDOS COMMITTEI

BIDS AND AWARDS COMMITTEE

www.ksu.edu.ph





documents and criteria for procurement of goods as provided in Annex D of the 2016 revised IRR of RA No. 9184.

- **10.** The **Kalinga 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 Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
- **11.** For further information, please refer to:

Ronaldo B. Daluping
BAC Secretariat
Procurement Management Office
Kalinga State University-Main Campus
Administration Building, National Highway, Purok 6, Bulanao, Tabuk City, Kalinga 3800
procurementservice_bac@ksu.edu.ph
(074) 627-5321

12. You may visit the following websites: https://ksu.edu.ph

November 17, 2021

EDNA P. YUMOL, CPA, PhD BAC Chairperson

ex bid document >>>
Page 6 of 36



BIDS AND AWARDS COMMITTEE







Section II. Instructions to Bidders

Page 7 of 36 <<< bid document >>>



Republic of the Philippines KALINGA STATE UNIVERSITY Purok 6, Bulanao, Tabuk City, Kalinga 3800 BIDS AND AWARDS COMMITTEE

www.ksu.edu.ph





1. Scope of Bid

The Procuring Entity, Kalinga State University, wishes to receive Bids for the Modernization of Engineering Laboratory Equipment to Cope-Up with the Global Challenges, with identification number IB_Goods_2021-11-073.

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

2. Funding Information

- 2.1. The GOP, through the source of funding as indicated below for **CY 2021** in the amount of **Twenty one Million Three Hundred Philippine Pesos (Php 21,300,000.00)**.
- 2.2. The source of funding is:

Trust Receipt Fund for CY 2021.

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules, and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration, and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex "I" of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. Foreign ownership limited to those allowed under the rules may participate in this Project.
- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:
 - a. For the procurement of Expendable Supplies: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least twenty-five percent (25%) of the ABC.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

ex bid document >>>
Page 8 of 36



BIDS AND AWARDS COMMITTEE







6. Origin of Goods

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under ITB Clause 18.

7. **Subcontracts**

7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The Procuring Entity has prescribed that:

Subcontracting is not allowed.

8. **Pre-Bid Conference**

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address at BAC Conference Room, Procurement Management Office, Administration Building, KSU-Main Campus, National Highway, Purok 6, Bulanao, Tabuk City, Kalinga, and/or through video conferencing/webcasting as indicated in paragraph 6 of the IB.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents comprising the Bid: Eligibility and Technical Components

- The first envelope shall contain the eligibility and technical documents of the Bid as specified in Section VIII (Checklist of Technical and Financial Documents).
- The Bidder's SLCC, as indicated in ITB Clause 5.3, should have been completed within four (4) years prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in a foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in Section VIII (Checklist of Technical and Financial Documents).
- If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued 11.2. by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

<<< bid document >>> Page 9 of 36



BIDS AND AWARDS COMMITTEE







Bid Prices 12.

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
 - For Goods offered from within the Procuring Entity's country:
 - The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, exshowroom, 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 the delivery of the Goods to their final destination; and
 - The price of other (incidental) services, if any, listed in e. İV.

For Goods offered from abroad:

- i. Unless otherwise stated in the BDS, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the BDS. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
- The price of other (incidental) services, if any, as listed in **Section VII (Technical** ii. Specifications).

13. Bid and Payment Currencies

- 13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
 - Payment of the contract price shall be made in Philippine Pesos.

14. Bid Security

- The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount 14.1. indicated in the BDS, which shall be not less than the percentage of the ABC in accordance with the schedule in the BDS.
- 14.2. The Bid and bid security shall be valid until **One Hundred Twenty (120) calendar days**. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

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

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

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

16. Deadline for Submission of Bids

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

see bid document see Page 10 of 36



BIDS AND AWARDS COMMITTEE







Opening and Preliminary Examination of Bids

- 17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case video conferencing, webcasting or other similar technologies will be used. attendance of participants shall likewise be recorded by the BAC Secretariat.
 - In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.
- 17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

18. Domestic Preference

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

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

- The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "passed," 19.1. using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by ITB Clause 15 shall be submitted for each lot or item separately.
- The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, 19.3. although the ABCs of these lots or items are indicated in the BDS for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items that participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as follows:
 - Option 2 One Project having several items grouped into several lots, which shall be awarded as separate contracts per lot.
- Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank 19.5. in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

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

Signing of the Contract

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

<<< bid document >>> Page 11 of 36



BIDS AND AWARDS COMMITTEE







Section III. Bid Data Sheet

Page 12 of 36 <<< bid document >>>



KALINGA STATE UNIVERSITY
Purok 6, Bulanao, Tabuk City, Kalinga 3800

BIDS AND AWARDS COMMITTEE







Bid Data Sheet

ITB Clause				
5.3	For this purpose, contracts similar to the Project shall be:			
	a. Delivery and/or Installation of Engineering Laboratory Equipment, 50% of the ABC (Php 10,650,000.00); and			
	b. completed within five (5) years prior to the deadline for the submission and receipt of bids.			
7.1	Subcontracting is not allowed.			
12	The price of the Goods shall be quoted DDP port of Manila or the applicable International Commercial Terms (INCOTERMS) for this Project.			
14.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:			
	a. The amount of not less than Php 429,769.50 , if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or			
	b. The amount of not less than Php 1,065,000.00, if bid security is in Surety Bond.			
19.3	The Project will be awarded by lot, and the following are the grouping of lots:			
	No. Title Items ABC			
	Modernization of Engineering Laboratory Equipment to Cope- Up with the Global Challenges Various items, refer to Section VII (Technical Specifications) 21,300,000.00			
20.2	List of licenses and permits relevant to the Project and the corresponding law requiring it:			
	VAT or Non-VAT Registration Certificates; and			
24.0	2. Other appropriate licenses and permits, as may be required during post-qualification evaluation.			
21.2	Contract documents relevant to the Project:			
	The following relevant documents are to be submitted by the lowest calculated and responsive bidder after issuance of a notice of award:			
	1. Performance Security . The Winning Bidder shall be responsible for the extension of its performance security during the remaining period or duration of the Project reckoned from the date of the effectivity of the contract, or for any contract time extension granted by the Procuring Entity, which shall be valid until final acceptance of the Project.			
	In place of the Performance Security, a post qualified bidder may submit an unnotarized Performance Securing Declaration (PSD) - Revised Edition, to guarantee its faithful performance of obligations under the contract, subject to the following:			
	a) Such declaration shall state, among others, that the winning bidder shall be blacklisted from being qualified to participate in any government procurement activity for one (1) year, in case of first offense or two (2) years, if with a prior similar offense, in the event it violates any of the conditions stated in the contract.			
	b) The unnotarized PSD may be accepted, subject to submitting a notarized PSD before payment unless the same is replaced with performance security in the prescribed form.			
	The end-user may require the winning bidder to replace the submitted PSD with performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 upon lifting the State of Calamity, or community quarantine or similar restrictions, as the case may be.			

Page 13 of 36 <<< bid document >>>

AWARDS COMMITTEE





Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

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

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

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

see bid document see Page 14 of 36



Republic of the Philippines **KALINGA STATE UNIVERSITY** Purok 6, Bulanao, Tabuk City, Kalinga 3800 BIDS AND AWARDS COMMITTEE







1. Scope of Contract

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

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

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

2. Advance Payment and Terms of Payment

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

3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

4. Inspection and Tests

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

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

5. Warranty

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

6. Liability of the Supplier

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

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

see bid document see Page 15 of 36



BIDS AND AWARDS COMMITTEE







Section V. Special Conditions of Contract

Page 16 of 36 <<< bid document >>>



Republic of the Philippines KALINGA STATE UNIVERSITY Purok 6, Bulanao, Tabuk City, Kalinga 3800 BIDS AND AWARDS COMMITTEE

www.ksu.edu.ph 💋 procurementservice_bac@ksu.edu.



Special Conditions of Contract

GCC Clause	
1	Additional requirements for the completion of this Contract.
	Delivery and Documents –
	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:
	For Goods supplied from abroad:
	"The delivery terms applicable to the Contract are DDP delivered in the port of Manila in accordance with INCOTERMS."
	For Goods supplied from within the Philippines:
	"The delivery terms applicable to this Contract are delivered at the Kalinga State University-Main Campus, National Highway, Purok 6, Bulanao, Tabuk City, Kalinga. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination."
	Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).
	For purposes of this Clause, the Procuring Entity's Representative at the Project Site is:
	Mr. Joseph Tracy D. Labbutan Supply and Property Officer Supply and Management Office Kalinga State University-Main Campus, National Highway, Purok 6, Bulanao Tabuk City 3800, Kalinga, Philippines
	Incidental Services –
	The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:
	a. performance or supervision of on-site assembly and/or start-up of the supplied Goods;
	b. furnishing of tools required for assembly and/or maintenance of the supplied Goods;
	c. furnishing of detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
	d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
	e. training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.
	The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.



Republic of the Philippines KALINGA STATE UNIVERSITY

Purok 6, Bulanao, Tabuk City, Kalinga 3800

BIDS AND AWARDS COMMITTEE

www.ksu.edu.ph





Spare Parts –

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

- a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and
- b. in the event of termination of production of the spare parts:
 - i. advance notification to the Procuring Entity of the pending termination, insufficient time to permit the Procuring Entity to procure needed requirements; and
 - ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.

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

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of 30 days. *If not used, a time period of 90 days, which is three times the warranty period.*

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 Procuring Entity.

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.

Transportation –

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.

ex bid document >>> Page 18 of 36



representatives.

Republic of the Philippines

KALINGA STATE UNIVERSITY

Purok 6, Bulanao, Tabuk City, Kalinga 3800

BIDS AND AWARDS COMMITTEE







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. Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure. The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination. Intellectual Property Rights – The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from the use of the Goods or any part thereof. Partial payment is not allowed except. 2.2 The inspections and tests that will be conducted are: **Testing and Sealing by the Inspectorate and** Acceptance Committee of the University, including a COA representative, TWG, and end-users 4

ex bid document >>> Page 19 of 36



BIDS AND AWARDS COMMITTEE







Date

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.

No.	Lot and Reference	Qty	Unit	Delivered, Weeks/Months
1	Engineering Laboratory Equipment to Cope- Up with the Global Challenge	1	lot	Delivery and/or Installation service shall be completed within THIRTY (30) CALENDAR DAYS upon acceptance of the Purchase Order
	Small Scale Structural Behaviour Laboratory (Delivery, Installation, Configuration and Training)			
	Subsonic wind tunnel 305*305mm with Versatile data acquisition (Delivery, Installation, Configuration and Training)			

NI	AtA:
13	
	ULU.

Name of Company/Bidder

a)	Contract Warranty: One (1) year to three (3) years from the date of acceptance of the Goods
b)	To be delivered at: Supply and Property Management Office, Administration Building, Kalinga State University-Main Campus, National Highway, Purok 6, Bulanao, Tabuk City, Kalinga
	I hereby certify to comply and deliver the above requirements.

Signature Over Printed Name

of Representative

Page 20 of 36 <<< bid document >>>



BIDS AND AWARDS COMMITTEE







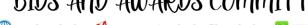
Section VII. Technical Specifications

Page 21 of 36 <<< bid document >>>



KALINGA STATE UNIVERSITY Purok 6, Bulanao, Tabuk City, Kalinga 3800

BIDS AND AWARDS COMMITTEE







Technical Specifications

ITEM NO.	ITEM AND DESCRIPTION	QTY	UNIT	STATEMENT OF COMPLIANCE [Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the Equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of Specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under
				evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]
Engir	neering Laboratory Equipment			,
1	Understanding Structural Behaviour Intuitive design providing great touch and feel Carbon fibre elements provide exaggerated response for enhanced visualization Carbon fibre elements also provide negligible plastic deformation for long life and repeatability Fully integrated hardware and software display Includes eight standard projects including cantilevers, beams and portal frames Wide range of additional structures can be constructed from simple components Compare computer simulations with actual responses Sensor and instrumentation package Supplied with the textbook Understanding Structural Analysis by Dr. David Brohn Structural hardware This is a set of components enabling a wide variety of 2D structures to be assembled and understood. It comprises a transparent backboard on which the structure is assembled with 32 potential mounting positions configured as an 80x80mm grid. A variety of different nodes and joints are available. The fixed nodes attach to the baseboard via a simple peg-mounting system.	1	lot	

Page 22 of 36 <<< bid document >>>



KALINGA STATE UNIVERSITY

Purok 6, Bulanao, Tabuk City, Kalinga 3800

BIDS AND AWARDS COMMITTEE

www.ksu.edu.ph

procurementservice_bac@ksu.edu.ph (074) 627-5321



A number of elements are provided in different lengths. These elements are manufactured of carbon fibre and are designed to flex easily in one dimension to demonstrate the movement of the structure.

Element lengths available: 1U, 2U, 3U, 4U, 4U+

(U= unit length)

Supports available:

Fixed rigid

Fixed pinned

Simple slide support

End slide

Horizontal slide anchor

Joints available:

Rigid right angle

Pinned right angle

Inline pinned

The transparent backboard is mounted on a 32" widescreen display, with the computer running the display and visualization

Software

Functions of the software:

- Display the structure to be evaluated to aid correct assembly
- Display the structure in diagrammatic form and as typical pictorial implementation of the structure. This has been proven to be a powerful aid to student understanding
- Give a graphical representation of bending moments, shear, deflection and reaction in response

to simulated loads Two new structures introduced

- Cantilever beam
- Simply supported beam

These two basic structures offer an introductory level to the teaching of structural engineering, and can be

used to introduce basic concepts of reactions, shear forces and moments.

Display and visualization software

This software is a fundamental part of the Understanding Structural Behaviour concept, and works in conjunction with the hardware to demonstrate and help that understanding.

For a number of predefined

structures it is possible to perform an immediate interactive simulation of the effect of loading on the structure. Loads can be simulated using the computer mouse and the shear force diagrams, moment diagrams, deflections and reactions are shown graphically and updated continually as the load is varied.

Scaling of displays

The deflection diagrams, moment

diagrams and shear force diagrams

can now be individually scaled.

This allows the data to be displayed more clearly for a wide range of different conditions. For example,

large deflections can be scaled down at the same time as small moment forces being scaled up.

Functions of the software:

- Contains presentations to introduce the concepts of bending moment, shear, deflections and reactions and their associated graphical representation on the structure diagram

see bid document see Page 23 of 36



KALINGA STATE UNIVERSITY

Purok 6, Bulanao, Tabuk City, Kalinga 3800

BIDS AND AWARDS COMMITTEE

www.ksu.edu.ph

procurementservice_bac@ksu.edu.ph (074) 627-5321



- When used in conjunction with the instrumentation hardware, the software controls the actuators and displays the outputs from the various sensors
- In this mode the displayed diagrams relate to the actual load applied by the actuator, rather than a simulated load
- Provides calibration for the sensors and screen **Understanding Structural Behaviour**

Comprises:

- Backboard
- Set of elements, supports and joints for the above range of structures to be implemented (Many others can also be implemented)
- 32" high-definition display with HDMI interface
- · Display and visualization software
- RISA 2D models
- Book Understanding Structural Analysis by Dr David Brohn
- Includes demo version of QSE analysis software
- · Storage facility for all components

Instrumentation Package for use with base unit

Comprises:

- Deflection sensor
- · Linear actuator
- Three-component rigid support sensor
- Two-component pinned support sensor
- · Simple support sensor
- · Interface unit plus power supply and interconnecting cables
- Software for control and instrumentation functions is supplied with base unit



see bid document see Page 24 of 36



Republic of the Philippines KALINGA STATE UNIVERSITY

Purok 6, Bulanao, Tabuk City, Kalinga 3800

BIDS AND AWARDS COMMITTEE









Subsonic wind tunnel 305*305mm with Versatile data acquisition

A compact, free-standing open-circuit suction subsonic wind tunnel with a working section of 305 mm by 305 mm and 600 mm long, allowing students to perform advanced study such as analysing boundary layers, performing flow visualisation and observing velocity in the wake, offering extensive teaching and research functionality

Specification

Space needed:

Solid, level floor – allow at least 2 m of free space around the inlet and 4 m at the outlet

Working section:

305 mm x 305 mm, and 600 mm long.

Air velocity: 0 to 36 m.s-1

Noise levels:

80 dB(A) at operators ear level.

Electrical supply (three phase):

200 VAC to 240 VAC 50 Hz/60 Hz (20 A)

Key Features

2

- · A wind tunnel for conducting experiments in aerodynamics
- Safe, compact, open-circuit suction wind tunnel a cost effective solution when compared to full-sale wind tunnels
- Safe, compact, open-circuit suction wind tunnel a cost effective solution when compared to full-sale wind tunnels
- The optional ancillaries work with Versatile Data Acquisition System
- Additional models and instruments available to extend the range of experiments
- · Wind tunnel controls mount on a separate, free-standing instrument frame for ease of use
- · The wind tunnel has wheels for easy mobility
- Also available as a starter set with a basic lift and drag balance and a set of models

Description

Air enters the tunnel through an aerodynamically designed effuser (cone) that accelerates the air linearly. It then enters the working section and passes through a grille before moving through a diffuser and then to a variable-speed axial fan. The grille protects the fan from damage by loose objects. The air leaves the fan, passes through a silencer unit and then back out to the atmosphere.

A separate control and instrumentation unit controls the speed of the axial fan (and the air velocity in the working section). The control and instrumentation unit also includes manometers and electrical outlets to supply electrical power to other optional instruments.

see bid document see Page 25 of 36

Lot

1



KALINGA STATE UNIVERSITY

Purok 6, Bulanao, Tabuk City, Kalinga 3800

BIDS AND AWARDS COMMITTEE







A metal frame supports the wind tunnel. The frame includes lockable castors for convenient mobility.

Working Section

The working section of the tunnel is a square section with a clear roof, sides and floor. The sides are removable. The floor and each side panel has a special position to support the optional wind tunnel models. Supplied with the wind tunnel are a protractor and a model holder to support and accurately adjust the angle of any models fitted.

Two traversing probes fit on the working section. One is a Pitot-static tube and the other a standard Pitot tube. They fit upstream and downstream of any models and connect to the manometers on the instrumentation unit (or other optional instruments) to show pressure.

Includes:

Model Holder

The model holder is supplied to hold a model if a balance is not used. It is designed to hold a shaft of diameter 11.95 ±0.015 mm (diameter) and 215 ±1.25 mm (length) mounting stem.

Protractor

The protractor fits on to the shaft of a model when a Balance is not being used. It can be used when setting up models and rotating them during experiments.

Includes instrumentation:

Three Component Balance

The Three-Component Balance provides an easy-to-use support system for wind tunnel models. It measures lift, drag and pitching moment exerted on the model. The balance comprises a mounting plate secured to the wind tunnel working section. A triangular force plate is held on the mounting plate by a mechanism that constrains it to move in a plane parallel to the mounting plate only, while leaving it free to rotate about a horizontal axis. This arrangement provides the necessary three degrees of freedom.

Models for use with the balance are available. Other models used with the equipment will need a mounting stem. The forces acting on the model are transmitted by cables to three strain gauged load cells. The output from each load cell is taken via an amplifier to a display module. The display module mounts onto the wind tunnel control and instrumentation frame and includes a digital display to show the lift, drag and pitching moment directly.

The equipment is fully compatible with Versatile Data Acquisition System and can quickly and conveniently connect to the interface unit.

The model support of the balance can be rotated by 360 degrees. This allows adjustment of the angle of incidence of the model to the direction of air flow. The model support is locked in the required position by a simple clamp after adjustment

Balance Angle Feedback Unit

The Balance Angle Feedback Unit is for use with the Three- Component Balance (see above) to measure the angular position of models mounted on the balance in the wind tunnel.

The Angle Feedback Unit mounts on the Three-Component Balance attached to the wind tunnel. It then transmits the rotational angle of the model to Data Acquisition System. The angle of the model is logged on a suitable computer along with the other captured experimental data.

32-Way Pressure Display Unit

The 32-Way Pressure Display Unit measures and displays up to 32 different pressures from models, Pitot-static tubes and other measuring instruments fitted to a wind tunnel. It is ideally suited in applications where multiple pressure measurements are required, for example in boundary layer and tapped aerofoil model investigations.

see bid document see Page 26 of 36



KALINGA STATE UNIVERSITY Purok 6, Bulanao, Tabuk City, Kalinga 3800

BIDS AND AWARDS COMMITTEE

www.ksu.edu.ph





The unit mounts onto the control and instrumentation frame of the wind tunnel. The unit contains 32 calibrated pressure transducers. Input connection to each is via quick-release pressure inputs mounted on the front panel of the unit. This allows easy and quick connection between the unit and an experiment mounted in a wind tunnel. All pressures are measured with respect to atmosphere. The unit has an integral liquid crystal display with a scroll switch that allows all 32 channels to be viewed in groups of four at any time.

When the 32- Way Pressure Display Unit is used with the system it allows laboratory time to be used more efficiently because data can be captured and processed much more guickly than when using manual techniques. The facility in the software to average data to remove the fluctuations inherent in wind tunnel measurements. enhances the quality of the results by making their interpretation much easier. This option provides significant experimental advantages over conventional instruments such as manometers.

Differential Pressure Unit

The Differential Pressure Transducer and readout is an optional ancillary to Subsonic Wind Tunnel. It measures and displays pressures in Pitot-static tubes and other pressure-sensing devices fitted to a wind tunnel, with respect to the atmosphere or differential pressures.

The control and instrumentation panel of the wind tunnel includes a location for mounting up to two Differential Pressure Transducer modules. Each module contains a calibrated pressure transducer. The unit has an integral liquid crystal display that allows the user to read pressure directly.

When the Differential Pressure Transducer is used with the automatic data acquisition unit it provides a significant advantage over conventional instruments such as manometers. Many readings can be taken and the user may use a suitable spreadsheet software package to obtain a more accurate overview of pressure distributions.

Pitot Static Traverse (300mm)

A Pitot-static tube that mount in the working section of the wind tunnel, either upstream of the position of the test model or on the fore-aft traverse. This allows students to do 'wake' traverses, of a model. The vertical position of the tube, which is adjustable, is displayed on a digital indicator.

The digital indicator position can be set to zero in any position. This allows the datum or starting point of an experiment to be defined by the user.

Includes model:

- Cylinder model
- Set of two NACA 0012 aerofoils
- Flat plate drag model
- Three dimensional drag models
- S1210 Aerofoil

NACA 0012 aerofoil with tappings

Versatile Data Acquisition System

For both individual student use or for lecturers demonstrating experiments to a whole class, Data Acquisition System gives real-time calculation, recording and charting with fast data export. This makes efficient, productive and effective use of time for both students and lecturers.

The digital inputs on the interface connect directly to the instrumentation on suitable products. These inputs are non-specific, for easy experiment setup and reduced

see bid document see Page 27 of 36



KALINGA STATE UNIVERSITY

Purok 6, Bulanao, Tabuk City, Kalinga 3800

BIDS AND AWARDS COMMITTEE







connection errors. The mostly digital communications circuits make the equipment more resistant to electrical noise than purely analogue systems.

The interface units also have two analogue inputs. These are for fast-moving (transient) signals from some products or for transducers and sensors. These may include displacement or pressure measuring sensors and flow meters. Data Acquisition System can display the analogue signals in real-time as traces on a computer screen. This allows Data Acquisition System to work as a user- friendly alternative to an oscilloscope on selected products.

The output from the interface unit connects to a computer running the software. The software has extra features that allow the addition of derivative traces and reference traces, based on each of the two analogue input signals. It is possible to adjust software filtering and smoothing of each signal trace, and scale the traces to

The software is intuitive and easy to use, with clear and convenient data display options. The software looks similar and works in a similar way for each compliant product. This saves time as students do not have to learn to use new software when changing experiments.

Learning outcomes

- · Flow past bluff and streamlined bodies with pressure and velocity observations in the wake
- · Investigations into boundary layer development
- Influence of aspect ratio on aerofoil performance
- Performance of an aerofoil with flap, influence of flap angle on lift, drag and
- Pressure distribution around a cylinder under sub and super-critical flow
- · Study of characteristics of models involving basic measurement of lift and drag forces
- Study of the characteristics of three-dimensional aerofoils involving measurement of lift, drag and pitching moment
- · Study of the pressure distribution around an aerofoil model to derive the lift and comparison with direct measurements of lift
- Flow visualization



Other Requirements:

<<< bid document >>> Page 28 of 36



KALINGA STATE UNIVERSITY Purok 6, Bulanao, Tabuk City, Kalinga 3800

BIDS AND AWARDS COMMITTEE







a)	Bidder's Qualification:
	1. The supplier was able to complete a supply and installation of the Small Scale Structural Behaviour Laboratory and Subsonic wind Tunnel 305*305mm with Versatile Data Acquisition or its equivalent project to any
	government agency for the last four (4) years, amounting to at least fifty percent (50%) of the Approved Budget for the Contract (ABC).
	2. Supplier should at least submit six (6) or more service performance certificate from various clients from year 2018-2021
	3. Supplier's After-sales Support must have a Web-Based Ticketing System to ensure the Service Level Agreement
	and assign technical manager to look into the equipment issues once encountered an error or malfunctioning issues
b)	All Equipment and components should be branded (not clone, imitation, or assembled) and brand new. The units
	should be delivered duly packed and sealed by the manufacturer. KSU assumed that the Equipment to be delivered
	had undergone quality control testing from the manufacturer; hence repacking/resealing the same by sub-dealer is
	discouraged and inexcusable.
c)	Availability of parts in the local market by local distributor
d)	Provision of Technical Data Sheet indicating the brand name and model of item/s.
e)	Provision of Operations and Maintenance Manual of the item/s.
f)	Prior to issuing the Certificate of Complete Deliveries, the Equipment's testing and ceiling must be conducted with
	the end-users and TWGs. Hence, conduct training or orientation within weeks after installation is recommended.
g)	Minimum of 1 year and a maximum of 3-year warranty of service and device/equipment based on the unit will start after the turn-over and orientation of the end-user.
ΛΩ-	
ATTE	r Sales Requirements:
1.	Under warranty coverage: If unrepairable within 7 days, a free service backup unit (1:1) or service spare part of the
	same or higher Specification must be provided by the supplier until the defective unit/part is considered
	repaired/replaced.
2.	Monday to Friday, office hours technical support and service
3.	Capable of providing technical service/assistance within 24 hours OR next business day on-site (NBDOS) service
	warranty.
	I hereby certify to comply with all the above Technical Specifications.
	Name of Company/Bidder Signature Over Printed Name Date
	of Representative

Page 29 of 36 <<< bid document >>>

Section VIII. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

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

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

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

ex bid document >>>
Page 30 of 36



BIDS AND AWARDS COMMITTEE





MODERNIZATION OF ENGINEERING LABORATORY EQUIPMENT TO



Checklist of Technical Documents

Name of Project : MODERNIZATION OF ENGINEERING LABORATORY EQUIPMENT TO COPE-UP WITH THE GLOBAL CHALLENGE			
Approved Budget for the Contract : Php 21,300,000.00			
Name of Bidder :			
Address of Bidder :	_		
ITEM NO. REQUIREMENTS	PASSED	FAILED	
I. TECHNICAL COMPONENT ENVELOPE			
Class "A" Documents			
<u>Legal Documents</u>			
A. Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages); or			
B. Registration certificate from Securities and Exchange Commission (SEC Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document, and	re		
C. Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas; and			
D. Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved to the Bureau of Internal Revenue (BIR).	У		
<u>Technical Documents</u>			
E. Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; and			
F. Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Section 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents;	S		
This statement shall be supported with any of the following as applicable:			
 a) For Government Contracts: i. Certificate of Final Acceptance (CFA) and/or Certificate of Complete Deliveries (CCD) signed by Head of the Procuring Entity (HOPE) or its duly authorized representative, ii. Official Receipt(s) of the bidder covering the full amount of the contract; of Sales Invoice issued for the contract, if completed. 	ed		
 b) For Private Contracts: i. End-user's Acceptance, or ii. Official Receipt(s) of the bidder covering the full amount of the contract; <u>and</u> 			
G. Original copy of Bid Security . If in the form of a Surety Bond, also submit certification issued by the Insurance Commission; or	a		
Original copy of Notarized Bid Securing Declaration; and			
 H. Conformity with the Technical Specifications, which include the following: a) Production/Delivery Schedule based on Section VI- Schedule of Requirements 			
b) Manpower Requirements, which shall include the following:	'		
1) Organizational chart for the Contract to be bid;			

Page 31 of 36 <<< bid document >>>



KALINGA STATE UNIVERSITY Purok 6, Bulanao, Tabuk City, Kalinga 3800

BIDS AND AWARDS COMMITTEE

www.ksu.edu.ph

procurementservice_bac@ksu.edu.ph



ITEM NO. REQUIREMENTS	PASSED	FAILED
2) List of Bidder's Key Personnel to be assigned to the Contract to be bid, with		
their complete qualification and experience data, as follows:		
i) Key Personnel's Bio-data;ii) Key Personnel's Certificate of Employment		
3) After-Sales/Parts, if applicable		
and		
I. Original duly signed revised Omnibus Sworn Statement, with the		
following supporting paragraphs as follows:		
Signatory is proprietor/duly authorized representative of bidder.		
2) Full power and authority to perform acts or represent bidder.		
3) Not "blacklisted" or barred from bidding		
4) Each document is authentic copy of original, complete, and correct.		
5) Authorizing Head of Procuring Entity to verify all documents submitted.		
6) Not related to HOPE, BAC, TWG, Secretariat, PMO/IU, within 3rd civil		
degree.		
7) Complies with existing labor laws and standards.		
8) Aware of and undertaken responsibilities as a bidder.		
9) Did not give any commission, amount, fee, or consideration.		
10) Failure to perform or deliver any of the obligations and undertakings in		
the Contract shall be sufficient grounds to constitute criminal liability		
for Swindling (Estafa) or the commission of fraud with unfaithfulness		
or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving		
the duty to deliver certain goods or services, to the prejudice of the		
public and the government of the Philippines pursuant to Article 315 of		
Act No. 3815 s. 1930, as amended, or the Revised Penal Code.		
i.1. if applicable, Original Notarized Secretary's Certificate in case of a		
corporation, partnership, or cooperative; or Original Special Power of		
Attorney of all members of the joint venture giving full power and		
authority to its officer to sign the OSS and do acts to represent the Bidder		
(Authority of the signatory) i.2. Integrity Pledge of KSU Service Provider with the attached ID of AMO		
<u>and</u> <u>Financial Documents</u>		
J. The Supplier's audited financial statements, showing, among others, the		
Supplier's total and current assets and liabilities, stamped "received" by the		
BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of		
bid submission; <u>and</u>		
K. The prospective bidder's computation of Net Financial Contracting Capacity		
(NFCC); or		
A committed Line of Credit from a Universal or Commercial Bank in lieu of its		
NFCC computation.		
Class "B" Documents		
L. If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence; or		
duly notarized statements from all the potential joint venture partners stating		
that they will enter into and abide by the provisions of the JVA in the instance		
that the bid is successful.		
	I	I

Page 32 of 36 <<< bid document >>>



BIDS AND AWARDS COMMITTEE







<u>(</u>	<u>Other</u>	doc	cumentary requirements under RA No. 9184 (as applicable)				
		M.	[For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos] Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.				
[N.	Certification from the DTI if the Bidder claims preference as a Domestic Bidder				
			or Domestic Entity.				
		0.	Certificate of Exclusive Distributorship, if applicable		<u> </u>		
		Р.	License to Operate issued by a relevant government agency				
NOTE:	1.	Any missing, incomplete, or patently insufficient document in the above-mentioned Checklist is a ground for outright rejection (non-complying) of the bid.					
	2.		For hassle-free and easier bid evaluation, the Technical and Financial Envelopes are preferably soft bounded and with Ear-Tabbing for each Checklist. Ring bounded is discouraged.				
	3.	All the documents per item should be provided with Ear-Tabbing from Letter A to P as indicated above; for those documents that are not applicable, the prospective bidders shall still provide pages and tabbings and indicate "NOT APPLICABLE" thereat.					

CHECKED BY: BAC MEMBER's/TWG's Name and Signature: DATE AND TIME OF EVALUATION: __ **REMARKS:** Eligible/ Passed Non-Eligible/ Failed

<<< bid document >>> Page 33 of 36



Republic of the Philippines KALINGA STATE UNIVERSITY Purok 6, Bulanao, Tabuk City, Kalinga 3800 BIDS AND AWARDS COMMITTEE

www.ksu.edu.ph





Checklist of Financial Documents

Name of Project	COPE-UP WITH THE GLOBAL CHALLENGE	EQUIPMI	ENI I		
Approved Budget for the Contract	: Php 21,300,000.00				
Name of Bidder	:				
Address of Bidder	:				
_					
ITEM NO. REQUIREMENTS		PASSED	FAILE		
II. FINANCIAL COMPONENT ENV	ELOPE				
A. Original of duly sign	ned and accomplished Financial Bid Form ; <u>and</u>				
B. Original of duly sign	ned and accomplished Price Schedule(s)				
C. Technical data shee	et of each items.				
 Any missing, incomplete, or patently insufficient document in the above-mentioned Checklist is a ground for outright rejection (non-complying) of the bid. For hassle-free and easier bid evaluation, the Technical and Financial Envelopes are preferably soft bounded and with Ear-Tabbing for each Checklist. Ring bounded is discouraged. Each and every page of the Documents comprising the Financial Proposal 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. 					
CHECKED BY:					
BAC MEMBER's/TWG's Name and S	Signature:				
DATE AND TIME OF EVALUATION:					
REMARKS: Complying Non-Comply	ring				

Page **34** of **36** <<< bid document >>>

