



**Uva Wellassa University of Sri Lanka
Badulla**

BIDDING DOCUMENT FOR

**DESIGN & FURNISH ELEMETARY LABORATORY OF
DEPARTMENT OF BIOSYSTEMS TECHNOLOGY,
FACULTY OF TECHNOLOGICAL STUDIES**

CONTRACT NO : UWU/P/GOODS/NCB/20/01

EMPLOYER:

Vice-Chancellor,
Uva Wellassa University of Sri Lanka,
Badulla

VOLUME 1A

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Section – I INSTRUCTIONS TO BIDDERS

Refer the CIDA/SBD 04

Notes:

Instructions to Bidders shall be read in conjunction with Bidding Data. Matters relating to the performance of the Contractor, payments under the Contract, or matters affecting the risks, rights, and obligations of the parties under the Contract are not included in this Section, but are given in Section III – Conditions of Contract, Volume 1 and the Contract Data under Section IV, Volume 2

Instructions to Bidders will not be a part of the Contract and will cease to have effect once the Contract is signed.

Section – III CONDITIONS OF CONTRACT

Refer the CIDA/SBD 04

Conditions of Contract shall be read in conjunction with Contract Data

Section – V STANDARD FORMS

Form of Bid Security, Letter of Acceptance, Form of Agreement, Form of Performance Guarantee, Form of Mobilization Advance Guarantee, Form of Retention Money Guarantee

Refer the CIDA/SBD 04

VOLUME 1B

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INVITATION FOR BIDS (IFB)



**Design & Furnish Elementary Laboratory of Department of Biosystems Technology,
Faculty of Technological Studies, Uva Wellassa University**

Contract No: UWU/P/GOODS/NCB/20/01

The Chairman, Procurement Committee on behalf of the Vice-Chancellor, Uva Wellassa University of Sri Lanka invites sealed bids from eligible and qualified bidders for the Design, Build and Completion of Elementary Laboratory of Department of Biosystems Technology, Faculty of Technological Studies, Uva Wellassa University

1. The contract period is **180 days**. (The all-inclusive budget allocation with taxes shall be less than 20 million)
2. Bids should be submitted on the forms which could be purchased from **Deputy Bursar – Supplies Division, Uva Wellassa University**, Passara Road, Badulla and upon payment of a non-refundable fee of Rupees **3,500/=** in cash paid at the Shroff Counter of the University. The bidder can also download the bidding documents from the University website **www.uwu.ac.lk**. Those who are obtaining bidding documents from the University website should submit the complete documents along with a Bank Draft drawn in favor of the “Vice Chancellor, Uva Wellassa University” for **Rs. 3,500/=** as non-refundable fee or the payments could be made to any branch of Bank of Ceylon, to the Uva Wellassa University, **Account No: 3114820**, and the cash receipt/deposit slip to be attached with the bidding documents. The documents may be purchased **until 2.30 PM 05th October 2020**. The eligible bidders shall comply with CIDA registration in SP2 category or above or Business Registration in Building Design and furnishing
3. You may obtain further information from, “**Deputy Bursar Supplies**”, (Telephone – **055 2226475**) Uva Wellassa University, Passara Road, Badulla
4. Bidding documents may be inspected free of charge at the Office of the **Deputy Bursar (Supplies Division)** at Uva Wellassa University of Sri Lanka. during any working days before 09.00 am to 03.00 pm up to 02nd October 2020.
5. Bids must be delivered to addressing, Chairman, Procurement Committee, Uva Wellassa University, Passara Road, Badulla, on or **before 2.30 p.m. on 05th October 2020**. Please indicate “**Design & Furnish Elementary Laboratory of Department of Biosystems Technology, Faculty of Technological Studies UWU/P/GOODS/NCB/20/01** on the top left hand corner of the envelope.

6. The bid shall be validity until: **91 days from 05th October 2020.**
7. All bids must be accompanied by a Bid Security of **Rs. 200,000/=** which should be in favor of Vice Chancellor – Uva Wellassa University, obtained from a Bank approved by the Central Bank of Sri Lanka.
8. Pre Bid meeting will be held on **24th September 2020**, at 10.30am in the Board Room-Administration Building of Uva Wellassa University.
9. The bids shall be deposited in the ‘Tender Box’ available in the Registrar’s Office of the University, or sent under Registered Cover to be received before the deadline to the address given in Clause No.5.
10. Late bids will be rejected. Bids will be opened immediately after the closing of bids, in the presence of the bidders or their authorized representatives who choose to attend the bid opening at the board room of the Uva Wellassa University.

Chairman,
Procurement Committee,
Uva Wellassa University,
Passara Road,
Badulla

Section - II

BIDDING DATA

Note :

This section shall be read in conjunction with Section I – Instruction to Bidders, and is intended to provide specific information in relation to corresponding Clauses in Section I. Whenever there is a ambiguity, the provisions in Section II- Bidding Data shall supersede these in the Section I- Instructions to Bidders.

Instructions to Bidders Sub Clause

Item	Sub Clause	Entry
Employer's name and address	1.1 & 9.1	The Employer Name: Vice-Chancellor Address: Uva Wellassa University of Sri Lanka, Badulla
Scope of Works	1.1	<p>The works consists of designing and furnishing of existing laboratory space in the new faculty building into a fully-fledged Laboratory with necessary civil, MEP services conforming with safety standards.</p> <p>Bidders are instructed to visit the place before submitting the proposal.</p> <p>Allocation of funds including all taxes is Rs 20.0Mn. This includes costs for furnishing, civil works, MEP works, design & supervision charges, charges for laboratory testing, if any and defect liability cost. Price Escalation is not applicable and it has to be included in the cost when quoting.</p> <p>Bidder shall submit proposed designs, drawings, bidder's specifications and details relevant to employer's requirement for the proposal as much as possible for technical evaluation purpose (Envelop-2) with the bid.</p> <p>This bidding document includes clients requirements and objectives of finished products which the bidder shall consider and oblige into the design and furnishing.</p> <p>The bidder should submit necessary details in order to match for Technical Proposal evaluation criteria under Envelop-2 to allocate points without any difficulties.</p> <p>Location of the proposed laboratory is in the new faculty building of the Faculty of Technological Studies Uva Wellassa University in Badulla, Sri Lanka.</p>
Time of Completion	1.2	The time for Completion for the whole of Works shall be 180 days .
Delay damages for the Works	1.2	<p>The delay damages for the whole of the Works shall be 0.05% of the initial Contract Price per day</p> <p>The maximum amount of delay damages for the whole of the Works shall be 5% percent of the Initial Contract Price.</p>
Defects Notification Period	1.2	Defects Notification Period is 365 days from Employer's taking over

Source of funds	2.1	GOSL
CIDA registration required	3.1	If possess only CIDA registration, Grade C6 or above are eligible.
Eligible bidders	3.4	Foreign bidders are not allowed.
Qualification Information	3.1, 3.2 4.1	<ul style="list-style-type: none"> • CIDA Registration (SP2 or above) or Valid Business Registration in the relevant business. <ul style="list-style-type: none"> Registration number Grade Specialty Expiry Date • VAT Registration number if any • Attach Construction Programme • Attach Legal Status (Sole proprietor, Partnership, Company etc.) • Attach authentication for signatory • Total monetary value of construction work performed for each of the last three years; • Experience in 3 similar works and at least one work of similar nature and size of Rs. 20 million during the last three years. • Staffing • Attach Work Plan and methods statement • Preliminary drawings and elevations of the proposal. • Attach certified copies of financial statements of the organization such as Audited accounts to facilitate for evaluation of financial stability such as turnover, liquid assets, liabilities, working capital, credit facilities, etc. • Certificate of Registration under Public Contract Act.
Average annual volume of construction work performed in last five	4.3(a)	Average annual volume of work performed in last three years shall be at least Rupees 30 million. Supporting documents proving above shall be attached along with the bidding document
Liquid assets and/or credit facilities required	4.3 (g)	The minimum amount of liquid assets and/or credit facilities net of other contractual commitments and exclusive of any advance payments which may be made under the contract shall be not less than Rupees 08

		million.
Bid Price	13.3	VAT component shall not be included in the rates. The amount written in the Form of Bid shall be without VAT. However VAT component shall be shown separately at the end of the price schedule summary.
Contract is subject to price adjustment for fluctuation of prices	13.6	The Bidder shall consider the intended cost variations during pricing the bid. The Contract is not subject to price adjustment in accordance with Clause 13.7 of the Conditions of Contract.
Currency of Bid	14.1	The currency of the bid price shall be only in Sri Lankan Rupees.
Bid validity period	15.1	The bid shall be validity until: 91 days from 05th October 2020
Amount of Bid security	16.1	The amount of Bid security shall be Sri Lankan Rupees 200,000 .00
Validity of Bid security	16.2	The validity period of the bid security shall be 120 days from the closing date of the Bid, Only Bank Bonds of Central bank approved Banks and Bonds issued by CGF are acceptable
Pre-Bid meeting	17.1	Pre Bid meeting will be held on 24th September 2020 Venue : Board Room- Administration Building of Uva Wellassa University Time: 10.30AM
Sealing and marking of Bids	19.2	The following information also shall be included in the inner covers of envelope marked as “ Envelope 1 – Preliminary Information”: <ul style="list-style-type: none"> (i) Schedule,” Annual turn-over Information”, (ii) Schedule, “ Adequacy of Working capital”, (iii) Schedule, “ Consultant experience in last three Years”, (iv) Schedule, “Construction experience in last three Years”, (v) Schedule, “Minimum Major items of construction equipment proposed”, (vi) Bank Bond for Bid Security (vii) Company Profile indicating the past construction experiences <p>The following information also shall be included in the inner covers of sealed envelope marked as “Envelope 2 – Design / Technical Proposal”:</p>

- (i) Schedule, “Team composition and Task assignment”,
- (ii) Appointment letters and curriculum vitae of key staff;
- (iii) Schedule, “ Time schedule for key staff”,
- (iv) Work Program (Design related activities);
- (v) Work Program (Construction related activities);
- (vi) Specifications, Technical Data regard to intended goods to be used under this contract/ (such as Furniture, services etc.)

19.4 The following information also shall be included in the separate sealed inner covers of envelope marked as “**Envelope 2**-Financial Proposal”,

- (i) Day work rates schedule;
- (ii) Schedule, “Overhead and profit percentage for Provisional Sum activities”
- (iii) Schedule, “ Input percentage for price adjustments”

19.5 (a) The Employer’s address for the purpose of Bid submission: Vice Chancellor, Uva Wellassa University of Sri Lanka.

19.5 (b) Contract Name: **Design & Furnish Elementary Laboratory of Department of Biosystems Technology, Faculty of Technological Studies, Uva Wellassa University**

Deadline for submission of Bids

20.1 The deadline for submission of Bids shall be **2.30 p.m. on 05th October 2020**

Address for submission of Bids:
Vice Chancellor, Uva Wellassa University of Sri Lanka

Evaluation and comparison of Bids

27.0 For evaluation and comparison of Bids **Option- B.**

Weight for Design/Technical Proposal Shall be:
DT = 25%
(0.25)

Weight for Financial (Price) Proposal Shall be:
P = 75%
(0.75)

The formula for determining the financial scores are the following:

$$S_f = 100 \times F^m / F$$

In which,

S_f = the financial score

F^m = the lowest price and

F = the price of the proposal under consideration

Criteria	Maximum Points
(i) Specific experience of the bidder or the composition of the Design Team related to the design of proposed Works	10
(ii) Overall compliance with the requirements of the bidding documents	10
(iii) Experience of the key Member of the Design Team	30
(iv) Work plan and time Schedules	15
(v) Preliminary Design approach	25
(vi) Any other improvements to the Employer's Requirements, suggested by the Bidder	10
Total	100

The following Sub Criteria will be used in assigning points to (i), (ii), (iv) and (v) above

- (a) Satisfactory - 50%
- (b) Good - 75%
- (c) Very Good - 100%

For allocating points for (iii) above, each key member of the Design Team will be assigned a weighting in accordance with their roles for the assignment. Subjected to the weightings assigned each key staff member will be evaluated using the following Sub Criteria.

- (a) General qualifications - 25%
- (b) Total experience - 25%
- Experience related to the task - 50%

Correction of Errors

- 28.** Replace ITB clause 28 with procurement Guideline ref 7.9.2. (b) Clause which is given below.

Correction of arithmetical errors:

Bids should be checked carefully for arithmetical errors in the bid to ensure the stated quantities and prices are consistent. The quantities should be same as that stated in the bidding documents. The total bid price should be the total of all line items. The line item total should be the product of quantity and unit rate quoted or, when a lump sum

is quoted the lump sum amount. If there is a discrepancy a correction has to be done and the corrected price as describe below is considered as the bid price. After the correction of arithmetical errors the PE should notify in writing, each bidder of the detailed changes. A bidder shall agree for such arithmetical corrections made to his bid. If the bidder refuses to accept its bid shall be rejected and action is taken against the bid security submitted.

The correction of arithmetical errors should be done as follows:

- (i) where there is a discrepancy between the amounts in figures and in words, the amount in words will prevail;
- (ii) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless in the opinion of the PE that there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern and the unit rate will be corrected; and
- (iii) If the bid price changes by the above procedure, the amount stated in the Form of Bid shall be adjusted with the concurrence of the bidder and shall be considered as binding upon the bidder.

Amount of Performance Security

32.1 The standard form of Performance Security acceptable to the Employer shall be Bank Guarantee from a Bank approved by the Central Bank of Sri Lanka for this purpose. Insurance Guarantee will not be accepted for this purpose.

The amount of Performance Security is 5 % of the Initial Contract Price from a Bank authorized by the Central Bank of Sri Lanka.

Percentage of retention

34.1 The retention from each payment shall be 10% percent.
The limit of retention shall be 05% percent of the Initial Price.

Minimum amount of Interim Payment Certificates

34.2 4 % of Initial Contract price.

Adjudicator proposed by Employer

(35.1) The Adjudicator proposed by the Employer shall be nominated at the occasion.

If the Bidder disagrees with the proposal of the Employer or the Adjudicator was not proposed, then the Adjudicator shall be appointed by the Appointing Authority who shall be the Institute for Construction Industry Development Authority (CIDA)

Fees and types of reimbursable expenses to be paid to the Adjudicator shall be on a case basis and shall be shared equally by the Contractor and the Employer:

Technical Proposal Evaluation Criteria		Maximum Points
(i)	a) Specific experience of the bidder or the composition of the Design Team related to the design of proposed Works	6
	b) Previous clients' feedback about bidder's completed work in 2018 and 2019 (Bidder is required to furnish the details of Works completed of similar nature/size in last 2 year including Contact person, contact number	4
	Total points for criteria (i)	10
(ii)	Overall compliance with the requirements of the bidding documents	10
(iii)	Experience of the key Member of the	

	Design Team	
	a) Team Leader(Interior Design Expert)	20
	b) Site Staff – Technical Staff including computer network and services officer	10
	Total points for criteria (iii)	30
(iv)	Work plan and time Schedules	
	a) Work Plan	05
	b) Time Schedule	05
	c) Organization and Staff	05
	Total points for criteria (iv)	15
(v)	Preliminary Design approach	
	a) Preliminary design proposal and options (if any) including schematic designs	7.5
	b) Detailed design proposal and options (if any) including schematic design of all components	7.5
	c) Presentation of the design proposal and options during the bid evaluation period. Cost should be borne by the bidder	05
	d) Technical approach, methodology	05
	Total points for criteria (v)	25
(vi)	Any other improvements to the Employer's Requirements, suggested by the Bidder	10
	Total	100
<p>The minimum Technical scope to pass is 65 points</p> <p>Clause 27.5 : Each responsive Design/Technical proposal will be given a technical score(St) as above. A proposal shall be rejected at this stage if does not respond to important aspects of the employer's requirements or if it fails to achieve a minimum overall total points of 65% or if it fails to achieve a minimum of 50% under each criteria , other than criteria (vi) given above, or if it fails to achieve a minimum of 50% under each sub criteria(a,b) as given above</p>		

Section – IV CONTRACT DATA

Note:

This section shall be read in conjunction with section III- Conditions of Contract, and is intended to provide specific information in relation to corresponding Clauses in section III. Whenever there is an ambiguity, the provisions in section IV – Contract Data shall supersede these provided in the Section III – Conditions of Contract.

Contract Data

Sub Clause 1.1.2.2 Employer is: Vice-Chancellor,

Address: Uva Wellassa University of Sri Lanka, Badulla,

Employers Representative : Dean, Faculty of Technological Studies

Address: Uva Wellassa University of Sri Lanka, Badulla,

Sub Clause 1.1.2.4 Engineer is: Project Manager - Operations,

Address: Uva Wellassa University of Sri Lanka, Badulla,

Sub Clause 1.1.5.6 Not Applicable

Sub Clause 3.1 Engineer's Duties and Authority

The Engineer shall obtain the specific approval of the Employer before taking action under the following Sub Clause of these Conditions:

- (a) Consenting to the subletting of any part of the Works under Sub Clause 4.4 (b);
- (b) Approving an extension of the Time for Completion, and/or any additional payments under Sub Clause 19.1 (*contractor's claim*) issuing variation under Sub Clause 13.1 (*Right to vary Employer's Requirements*), except in an emergency situation, as reasonably determined by the Engineer.
- (c) Approving additional payment under Sub Clause 13.3

Notwithstanding the obligation, as set out above, to obtain approval, if in the opinion of the Engineer, an emergency occurs affecting the safety of life or of the Works or of adjoining property, he may, without relieving the Contractor of any of his duties and responsibilities under the

Contract, instruct the Contractor to execute all such work or to do all such things as may, in the opinion of the Engineer, be necessary to abate or reduce the risk. The Contractor shall forthwith comply, despite the absence of approval of the Employer, with any such instruction of the Engineer. The Engineer shall determine an addition to the Contract Price, in respect of such instruction, in accordance with Clause 13.3 and shall notify the Contractor accordingly, with a copy to the Employer.

Sub Clause 4.1

Key personnel

Schedule of Key Personnel:

Names with qualifications and experience to be written :

(a) Project Management

- Team Leader/(Interior design expert)-

Should be a Senior Manager having at least 10 years experience in relevant industry especially in the design & build.

(b) Design

- Officer in charge in coordinating all activities and related services and Site supervisor

Officer in charge in coordinating all activities and related services shall be with suitable qualifications having at least 3 years experience in similar construction of (site organization, supervision, monitoring, planning as a technical officer) similar building interiors.

Sub Clause 4.2

Performance Security

The Performance Security shall be 5% percent of the Initial Contract Price.

The Standard Form of Performance Security acceptable to the Employer shall be a Bank Guarantee approved by the Central Bank of Sri Lanka or Bonds issued by CGF for this purpose.

Sub Clause 8.1 Commencement of Work 8.1

Start Date:

The Start Date is 14 Days from the issue of the Letter of Acceptance upon signing the agreement.

Sub Clause 8.2

Time for Completion

The time for completion for the whole of Works shall be **180 days**.

- Sub Clause 8.7** **Delay Damages**
The Delay Damages for the whole of the Works shall be 0.05% of the Initial Contract Price per day.
The maximum amount of Delay Damages for the whole of the Works shall be 5% percent of the Initial Contract price.
- Sub Clause 11.1** **Defects Notification Period**
Defects notification Period is **365 days** from Taking – over Certificate.
- Sub Clause 13.6** **Adjustments for Changes in Cost**
Contract is **not applicable** to price adjustments for fluctuation of prices.
- Sub Clause 14.1** **Contract Price**
Successful bidder’s bid sum will be considered as the contract sum. Maximum budget allocation of the contract including taxes is Rs 20.0Mn.
The Works described under Day Works is to be paid according to quantity supplied or work done.
- Sub Clause 14.3 (c)** **Retention Money**
The retention from each payment shall be 10%
The limit of retention shall be 05% of the Initial Contract Price.
- Sub Clause 14.4** **Issue of Interim Payment Certificates**
Minimum amount of Interim Payment Certificates shall be 04% of the Initial Contract Price.
Sub Clause 19.2 & 19.4 Failure to agree Dispute Adjudicator
The appointing entity for appointing the Adjudicator is the Construction Industry Development Authority (CIDA)

Section – VI EMPLOYER’S REQUIREMENT

6.1 BASIC INFORMATION OF THE PROJECT

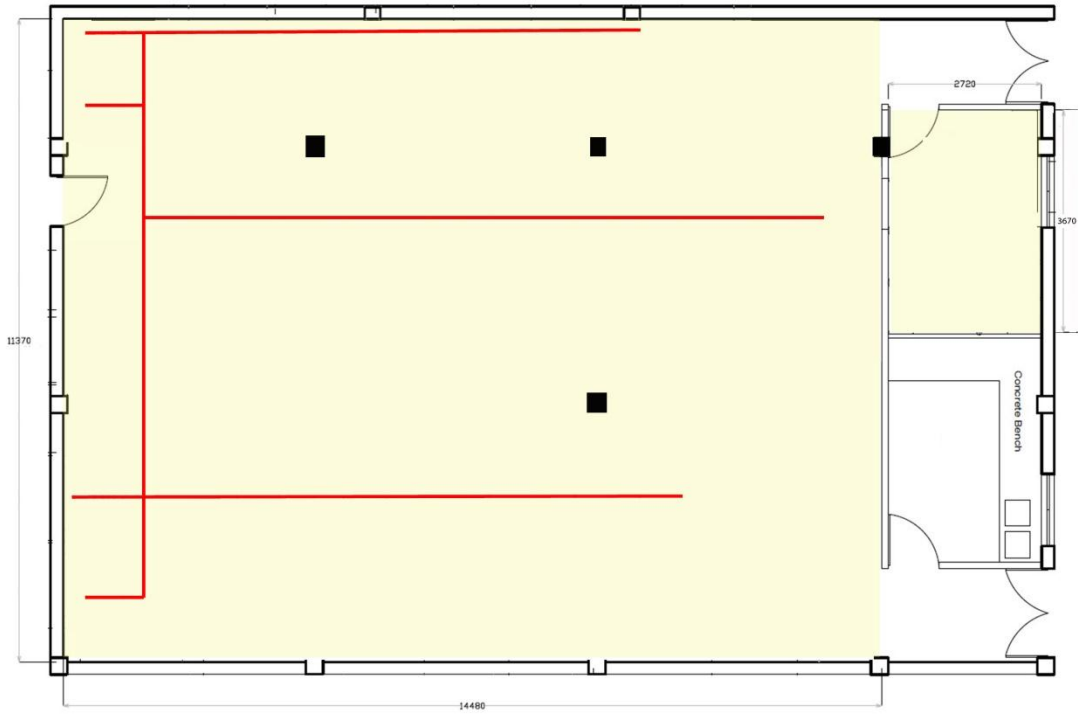
1. Project Title : Design & Furnish Elementary Laboratory of Department of Biosystems Technology, Faculty of Technological Studies, Uva Wellassa University
2. Executing Agency: Uva Wellassa University of Sri Lanka, Badulla
3. Funding Source: GOSL
4. Physical Information :

The works consists of designing interior for space as per **Existing Plan of the Laboratory (Refer 6.4.1)** of new building of Faculty of Technological Studies, UWU to cater 100 students.

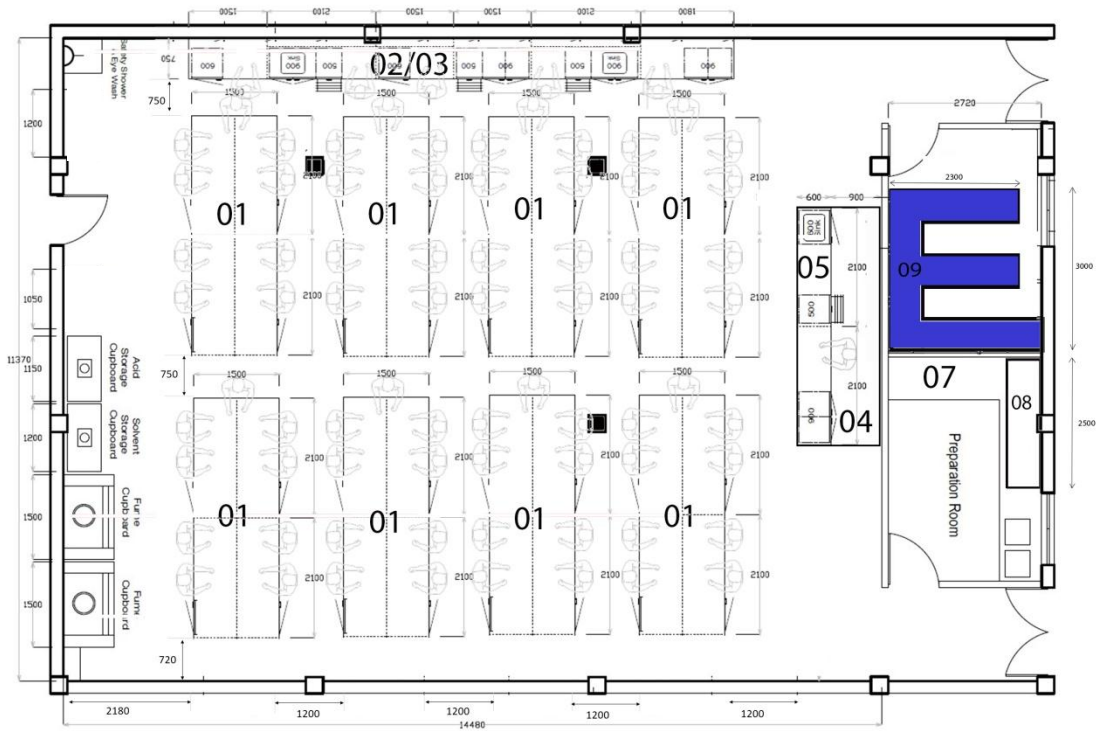
Constructor can suggest a better improvement for lab requirement for Chemistry and Biology. For reference, bidder can go through **Suggested Design Layout of the Laboratory (Refer 6.4.2)**. Bidder shall include the pricing for fixing new items to existing system with all supports, ducting, inlet or out-let pipes(water, waste, gas electrical etc) connections to existing power, gas and water lines and rectifications etc.

This work should cover all the interior details, design and supplying and fixing mainly (not limited to) all the lab workstations, lab stools, additional lighting, proper ventilation system, other equipment and other floor and wall arrangements with standard measures to the given **Interior details (Refer 6.4.3) and Specifications (Refer 6.4.4)**.

6.4.1 Existing Plan of the Laboratory



6.4.2 Suggested Design Layout of the Laboratory



6.4.3 Interior details

No	Item	Specification
1	Lab Workstation 1	Approx Dimensions (Lx W x H): 4200mm x 1200mm x 900mm
		Power supply: Approx 12 points(13A)
		Gas supply: 06 nos(Double nozzle)
		Separate attached cupboards units-12 (1 Cupboards + 1 Drawer)
		reagent bottle rack
		sink with drainage accessories :03 nos
		Polypropylene peg with dip through Approx.700mmx 750mm
		All specifications of materials according to 6.4.4 specifications
		Warranty: 5 years (for complete set) or more
2	Lab Workstation 2	Approx Dimensions (Lx W x H): 10500mm x 600mm x 900mm
		Power supply: 10 (5 with 30 A)
		Gas supply: 01 (Double nozzle)
		Separate attached cupboards units 20 (Cupboards + Drawers)
		sink with drainage accessories :02
		All specifications of materials according to 6.4.4 specifications
		Warranty: 5 years (for complete set) or more
3	Wall cupboard	Approx Dimensions (Lx W x H): 9000mm x 300mm x 600mm
		18 partitions
		All specifications of materials according 6.4.4 specifications
		Warranty: 5 years (for complete set) or more
4	Wooden Stage for head table	Approx Dimensions (Lx W x H): 4200mm x 900mm x 300mm material thickness >20 mm
		Teak or better material
5	Lab Workstation 3	Approx Dimensions (Lx W x H): 4200mm x 600mm x 1000mm
		Power supply: 5
		other connections (for HDMI) 2
		Gas supply: 01 (Double nozzle)
		Separate attached cupboards units 03 (Cupboards + Drawer)
		sink with drainage accessories :01
		All specifications of materials according 6.4.4

		specifications Sketch of the drawing of the top view is given in the 6.4.2 plan (No. 5) Warranty: 5 years (for complete set) or more						
6	adjustable Lab Stool	Stainless steel (SS 304 or better) or Polyurethane Body Vinyl upholstered or polyurethane top Leg pad (foot ring) 360 swirl , Pneumatic High adjustable Color – Black or Green top with silver color stainless steal Durable five star base with glides for stability Warranty - 5 years or more sample image in the 6.4.4 specifications						
7	Drawers under L shape worktop	Approx Dimensions (Lx W x H): 5500mm x 600mm x 890mm Separate attached cupboards units 05 (Cupboards + Drawer) Sketch of the drawing of the top view is given in the 6.4.2 plan (No. 7) All specifications of materials according to 6.4.4 specifications Warranty: 5 years (for complete set)						
8	Wall cupboard	Approx Dimensions (Lx W x H): 2500mm x 300mm x 600mm Approx 18 partitions All specifications of materials according 6.4.4 specifications Warranty: 5 years (for complete set)						
9	Chemical Storage rack with doors	Approx High is 2 m and easy access to chemicals Sketch of the drawing of the top view is given in the 6.4.2 plan (No. 9) Direct installed fume extraction unit with very low noise. All specifications of materials according to 6.4.4 specifications Warranty: 5 years (for complete set)						
10	Fume cupboard	Approx Low energy consumption. Less than 700 cfm when sash is fully open with at least 60 fpm face velocity for maximum energy efficiency. <table border="1" data-bbox="478 1736 1149 2009"> <tr> <td>Material</td> <td>Chemical resistant / Prefer Polypropylene.</td> </tr> <tr> <td rowspan="3">Sash Opening</td> <td>Automatic programable</td> </tr> <tr> <td>safety mechanism for automatic sash movement/ Should be off when an object touch the sash window</td> </tr> <tr> <td>manual control facility when required</td> </tr> </table>	Material	Chemical resistant / Prefer Polypropylene.	Sash Opening	Automatic programable	safety mechanism for automatic sash movement/ Should be off when an object touch the sash window	manual control facility when required
Material	Chemical resistant / Prefer Polypropylene.							
Sash Opening	Automatic programable							
	safety mechanism for automatic sash movement/ Should be off when an object touch the sash window							
	manual control facility when required							


			base cabinet for acid or solvent storage.
		Standards	SEFA 1 and ASHRAE 110 or similar
		Air flow	Digital monitoring
		Color	Custom
		Warranty	5years or more
11	Acid / Base Storage cabinet	Safety Standard	EN 14727 and EN14470 under GS standard or similar report
			Cabinet should be complies with guidelines of The Technical Rules for Hazardous Substances
		Material and interior	Powder coated SS304 or Polypropylene
			Should have two airtight separations inside of the cabinet in event of store acid, base safe and separately
			Lockable door with cylinder locking to prevent unauthorized access
		exhauster	Direct installed with very low noise
			Extraction unit should have more than 2000 rpm motor
		dimension	around 1200 x 600 x 1800 mm (WxDxH)
		Color	Custom
			Letter of authority required from the manufacturer.
Warranty	5 years or more		
12	Solvent Storage Cabinet	Safety Standard	fire resistance of 90 minutes according to the EN 14470-1 or similar standard
			EN 14727 and EN14470 under GS standard or similar report
			Cabinet should be complies with guidelines of The Technical Rules for Hazardous Substances
		Material and interior	Powder coated SS304 or Polypropylene
			Should have two airtight separations inside of the cabinet in event of store acid, base safe and separately
			Lockable door with cylinder locking to prevent unauthorized access
		exhauster	Direct installed with very low noise
Extraction unit should have more than 2000 rpm motor			

		dimension	around 1200 x 600 x 1800 mm (WxDxH)
		Letter of authority required from the manufacturer.	
		Color	Custom
		Warranty	5 years or more
13	Ventilation and Ducting system for Laboratory	Total Laboratory and Chemical storage area should be corrosion free and good ventilated area. Constructor should complete the Ducting system for Item 9/10/11/12 (Laboratory is in the ground floor of a 4 story building and basement outlet also should connect with the central ducting system)	
14	Teaching Aids	Better proposal for Smart learning such as multimedia and interactive Boards,	
15	Safety arrangement	Lab coat and shoe rack for staff (~10) should include / Eye washer (EN 15154-1, EN 15154-2, NF X 15-221 Standards or similar with powder coated SS304 or better) / Fire and smoke detectors or suitable safety arrangement for laboratory	

6.4.4 Specifications

Feature	Required Specification
Color theme	Customized (pure white or green preferred)
WORK TOPS	
Material	Chemical and Heat resistant Epoxy Resin
Thickness	19 mm or more
Color	Customized (according to color theme - Black preferred)
Properties (Similar to following standard)	Test Method S.I
1. Compressive Strength	ASTM D695 136.5 MPa
2. Flexural Strength	ASTM D790 55.1 MPa
3. Heat Distortion Temperature	ASTM D648 200°C
4. Rockwell 'M' Hardness	ASTM D785 90
5. Fire Resistance	ASTM D635 Self Extinguishing
6. Water Absorption	ASTM D570 0.022%
7. Density	ASTM D792 1.95g/cm3
Testing	Chemical Resistance Test to ASTM D3023 and ASTM C1376
Chemical resistivity	No Detectable change in the material surface for Alcohols
Others	Certified Green Product
LABORATORY TABLE STRUCTURE	
Material	304 Stainless Steel (and SS316L according to the

	requirement of the highly contact places)
Stainless Steel thickness	~ 2.0 mm
Coating	Should be Epoxy Powder Coated (to match with color code)
Epoxy coated thickness	70 microns or better
Adjustable levelling feet	Should be available
UNDER BENCH CABINET, DRAWERS AND STORAGE CABINETS	
Sheet Material	Polypropylene or PVC + 2K paint or better material solution (state the importance and benefits of the suggested material)
Doors open	Should be more ~ 180 degrees
thickness	~12 mm or better
Handles and connecting items	304 Stainless steel or better
Locks	Locks Should be available 304 Stainless steel or better
LAB SINK	
Material	Polypropylene Standard size and fit to custom made workstations.
Accessories	Laboratory bottle trap and laboratory sink waste and total drainage accessories
WATER TAP	
Water Taps	Three way water taps
Material	Solid high quality brass
Joints	Joints are brazed using 40% silver
Valve & Handle	Ergonomically designed and injection molded in chemical resistant polypropylene
Color Standards	Accordance to DIN color code standards
Materials	Epoxy powder coated Finishing SS 304 or SS316
Color	White (or customize according to the theme)
Standards (Similar to)	BS EN 5412
	Salt Spray Test BS EN 248
	WELS Toxicity Test SS 375
	Metal Extraction AS/NZS 4020
	or similar certificates
Manufacturer Authorization	Manufacturer Authorization Letter should be submitted

<p>Proposed Lab stool design</p> <p>SS304/ and durable polyurethane</p> <p>Adjustable height and rotatable with foot ring</p>	
---	--

Note- The drawings and sketches which will be compulsory to submit along with the bid should be very clear and preferably be drawn on A3 size papers . In addition to that bidders have to submit drawings in CD format too.

Bidder may be required to perform a presentation(s) of the proposal in the university, free of charge.

The tasks to be undertaken shall include to following but not limited to them and shall be done while preparation of bid and while implementation if awarded.

- i. Analyze Project Brief; and
- ii. Study statutory requirements

Institutional Arrangements

All works to be done for and on behalf of the Uva Wellassa University of Sri Lanka, Badulla. Therefore, the contractor should carry out all work in each stage with very close coordination of the University.

Coordination with other relevant authorities is also essential. To ensure such close coordination and monitoring it is suggested to hold weekly or fortnightly meeting at the University. The Contractor should attend these meetings with the relevant professionals.

Section – VII (a)

FORM OF BID

Design & Furnish of Elementary Laboratory of Department of Biosystems Technology, Faculty of Technological Studies, Uva Wellassa University

To: Vice-Chancellor,
Uva Wellassa University of Sri Lanka,
Badulla

We have examined the Conditions of Contract, Employer’s Requirements, Schedules and Addenda Nos. for the execution of the above named Works We accordingly offer to design, execute and complete (Turnkey) the said Works and remedy any defects fit for the purpose, in conformity with the Bidding Documents and the enclosed, Proposal, at the lump sum price stated in the Form of Financial (Price) Proposal included in a separate envelope and submitted with this bid, or other such sums as may be determined in accordance with the terms and conditions of the Contract.

We confirm that our bid includes this General Information, Financial (Price) Proposal, and Design/Technical Proposal sealed under three separate envelopes.

We agree to abide by this Bid until 06th January 2021 and it shall remain bidding upon us and may be accepted at any time before that date.

We confirm that, we (including all members of a joint venture and subcontractors) are not associated, directly or indirectly, with the consultant or any other entity in preparation of the design, specification, and other documents for the contract.

If this offer is accepted, we will provide the specified Performance Security, commence the Works as soon as reasonably practicable after the Commencement Date, and complete the Works in accordance with the above - named documents within the Time for Completion. We will ensure that works will be done in conformity with the contract.

Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance thereof, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest offer or any other bid you may receive.

.....
Signature of the persons duly authorized to sign documents for and on behalf of

Address:
.....
.....

Date:

Section – VIII (a)

SCHEDULES

Related to General Information

Schedule A 1 - Preliminary Information

*(enclose this schedule in the envelope marked, “ **Envelope 1** – general Information”)*

- (i) If pre qualification is done the bidders are required to include information subsequent to that submitted with the pre-qualification application*
- (ii) For joint ventures, each joint venture partner shall furnish information separately*

ITB Clause reference	Description	Information (to be filled by the Bidder)	Remarks
3.1	CIDA Registration or Business Registration or SP1		Provide certified copies and label them as attachment to Clause 3.1
	Registration Number		
	Grade		
	Spatiality		
	Expiry Date		
3.2	Business Registration or SP1		Provide certified copies and label them as attachment to Clause 3.2
	Number		
	Expiry Date		
4.1 (a)	Legal Status		
	If a Joint Venture, names and addresses of Joint venture partners	1. 2. 3.	Provide certified copy of the Joint Venture Agreement.
	If a Joint Venture, names of the Lead Partner		
	For joint ventures, each joint venture partner shall furnish Legal Status separately.		
	Name (Lead Partner)		Provide certified copies and label them as attachment to Clause 4.1 (a)
	Legal status		
	Place of registration		
	Principal place of business		
	Written power of	Provide certified copy of the power of attorney	

	attorney of the signatory to the Bid	attested by a Notary and label them as attachment to Clause 4.1 (a)	
	VAT Registration Number		Provide certified copies and label them as attachment to Clause 4.1 (a)
	Name (Partner 2)		
	Legal status		
	Place of registration		
	Principal place of business		
	Written power of attorney of the signatory to the Bid	Provide certified copy of the power of attorney attested by a Notary and label them as attachment to Clause 4.1 (a)	
	Name (Partner 3)		
	Legal status		
	Place of registration		
	Principal place of business		
	Written power of attorney of the signatory to the Bid	Provide certified copy of the power of attorney attested by a Notary and label them as attachment to Clause 4.1 (a)	

Schedule A 2 – Annual Turnover Information

*(enclose this schedule in envelope marked “ **Envelope 1** – General Information”)*

- (i) If pre-qualification is done the bidders are required to include information subsequent to that submitted with the pre-qualification application.*
- (ii) For joint ventures, each joint venture partner shall furnish information separately.*

Year	Turn –over	Remarks
1		Attach relevant supporting documents to Clause 4.1 (a) (i)
2		
3		
4		
5		

Schedule A 3 – Adequacy of Working Capital

*(enclose this schedule in envelope marked “ **Envelope 1** –General Information)*

If pre qualification is done the bidders are required to include information subsequent to that submitted with the pre-qualification application

Source of credit line	Amount	Remarks
		Provide documentary evidence and label them as attachment to Clause 4.1 (a) (ii)
Total		

Schedule A 4 –Experience in last three years

*(enclose this schedule in envelope marked, “**Envelope 1** – General Information)*

- (i) If pre-qualification is done the bidders are required to include information subsequent to that submitted with the pre-qualification application.*
- (ii) For joint ventures, each joint venture partner shall furnish information separately.*
- (iii) List similar works first.*

Year	Employer	Project Name	Project Duration (Months)	Amount (Project Value)	Scope of Work
		Total			

Schedule A 5– Consulting experience in last three years

*(enclose this schedule in envelope marked, “**Envelope 1** – General Information)*

- (i) If pre-qualification is done the bidders are required to include information subsequent to that submitted with the pre-qualification application.*
- (ii) For joint ventures, each joint venture partner shall furnish information separately.*
- (iii) List similar works first.*

Year	Employer	Project Name	Project Duration (Months)	Amount (Project Value)	Scope of work
		Total			

Check List for Bidders

Bidders are advised to fill the following table:

ITEM	ITB Clause	YES (tick)	REFERENCE
Form of Bid			
Addressed to the Employer ?	18		
Completed?	18		
Signed?	18		
Bid Security Declaration Form (if required)			
Properly filled and signed	16		
Bid Security (if required)			
Addressed to the Employer ?	16		
Format as required?	16		
Issuing Agency as specified?	16		
Amount as requesting?	16		
Validity 28 days beyond the validity of Bid?	16		
Qualification Information			
All relevant information completed?	4		
Signed?	4		
Addendum			
Contents of the addendum (if any) taken in to account?	10		
BID package			
All the documents given in ITB Clause 12 enclosed in the original and copy?	12		
ITB Clause 19 followed before sealing the Bid Package?	19		

VOLUME 2

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Section – VII (b)

FORM OF DESIGN & TECHNICAL PROPOSAL

FORM OF DESIGN/TECHNICAL PROPOSAL

NAME OF CONTRACT: Design & Refurnish of Elementary Laboratory of Department of Biosystems Technology, Faculty of Technological Studies, Uva Wellassa University

To: Vice-Chancellor,
Uva Wellassa University of Sri Lanka,
Badulla,
.

We have examined the conditions of contract, Employer’s Requirements, Schedule and Addenda Nos.-.....for the execution of above-named works.

We accordingly offer to design, execute and complete the said Works and remedy any defects, fit for purpose in conformity with these Bidding Documents and enclosed proposal. We are hereby submitted our Bid, which includes this Design/Technical Proposal, General Information and a Financial Proposal sealed under a separate envelopes.

We understand that you are not bound to accept the lowest offer or any other bid you may receive.

.....

Signature of the persons duly authorized to sign documents for and on behalf of

.....

Address:

.....

.....

Date:

Section – VIII (b)

SCHEDULES – Related to Design and Technical Proposal

Schedule B1 – Comments and Suggestions on Employer’s Requirements

*(enclose this schedule in envelope marked “**Envelope 2** – Design and Technical Proposal”)*

Sheet 1 of

Bidders may include observations made on Employer’s Requirements and any suggestions for consideration. (Use additional pages if necessary).

Schedule B2 – Contractor’s Proposal

*(enclose in envelope marked “**Envelope 2** – Design and Technical Proposal”)*

Sheet 1 of

This schedule should be complete considering all the requirements given in the Employer’s Requirements, including design criteria, specifications and technical data. (use additional pages if necessary)

Schedule B3 – Team Composition and Task Assignment

*(enclose this schedule in envelope marked, “**Envelope 2** – Design and Technical Proposal”)*

A. Design Staff

Name	Position	Task

B. Construction Management

Name	Position	Task

Schedule B4 – Curriculum Vitae of Key Staff

*(enclose Curriculum Vitae in envelope marked, “**Envelope 2** – Design and Technical Proposal”)*

Proposed Position:			
Name of Staff:			
Nationality:			
Profession:			
Membership in Professional Societies:	Society/ Institution	Membership Category	Date Obtained
Detailed Tasks Assigned:			
Key Qualifications:	<i>Give an outline of staff member’s experience most pertinent to tasks or assignment. Describe degree of responsibility held by staff member on relevant previous assignment and give dates and locations. Use about half a page.</i>		
Education:	Institute	Qualification	Date Obtained

Employment Record:	Employer/ Project Name	Position Held	Project Value (Rs. Mn)	Scope of Work	Period
Certification:	I, the undersigned, certified that to the best of my knowledge and belief, the information is correct.				
<p>Signature of staff member: Date:</p>					

Schedule B7 – Work Program (Construction Related Activities)												
<i>(enclose in envelope marked, “Envelope 2 – Design and Technical Proposal”)</i>												
<i>[1st, 2nd, etc., are weeks from the Start date</i>												
Construction Activity	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th					26 th

Note:- The bidder has to prepare this chards for the entire 26 weeks.

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Section – VII (c)

FORM OF FINANCIAL (PRICE) PROPOSAL

FORM OF FINANCIAL (PRICE) PROPOSAL

NAME OF CONTRACT: Design & Refurnish of Elementary Laboratory of Department of Biosystems Technology, Faculty of Technological Studies, Uva Wellassa University

To: Vice-Chancellor,
Uva Wellassa University of Sri Lanka,
Badulla, .

We have examined the Conditions of Contract, Employer’s Requirements, Schedules and Addenda Nos. or the execution of the above-named Works. We accordingly offer to design, execute and complete the said Works and remedy any defects fit for the purpose, in conformity with the Bidding Documents and the enclosed Proposal, for the fix lump sum of Rupees (Rs.....) or other such sums as may be determined in accordance with the terms and conditions of the Contract. The above amounts are in accordance with the Price Schedule herewith and are made part of this bid. We confirm that our bid includes this Price proposal, Design/Technical Proposal, and General Information sealed under a separate envelopes.

We accept your suggestions for the appointment of Adjudicator, as set out in Bidding Data.

We agree to abide by this bid until **91 days from the date of bid submission deadline**, and it shall remain binding upon us and may be accepted at any time before that date.

We confirm that, we (include all members of a joint venture and subcontractors) are not associated, directly or indirectly, with the consultant or any other entity in preparation of the design, specifications, and other documents for the contract.

If this offer is accepted, we will provide the specified Performance Security, commence the Works as soon as reasonably practicable after the Commencement Date, and complete the Works in accordance with the above-named documents within the Time for Completion. We will ensure that works will be done in conformity with the contract.

Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance therefore, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest offer or any other bid you may receive.

.....
Signature of the persons duly authorized to sign documents for and on behalf of

Address:
.....
.....

Date:

Section – VIII(c)

SCHEDULES – Related to Financial (Price) Proposal

Schedule C1 - Price Schedule

*(enclose all price schedule in envelope marked, "**Envelope 2** – Financial (Price) Proposal")*

Activity 1 : Preliminaries

Item No:	Sub-activity description	Amount (Rs.)
1.1	Allow lump sum for providing Advance Security	
1.2	Allow lump sum for providing Performance Guarantee	
Item No:	Sub-activity description	Amount (Rs.)
	Any other Sub-activity (Bidder to include)	
1.A1		
1.A2		
1.A3		
1.A4		
1.A5		
1.A6		
1.A7		
1.A8		
Total for Activity 1 carried to summary		

Schedule C 1 - Price Schedule

(enclose all price schedule in envelope marked, "Envelope 2 – Financial (Price)Proposal")

Activity 2 : Design

Item No:	Sub-activity description	Amount (Rs.)
2.1	Design of the proposal	
2.2	Quality control, planning, monitoring, testing and remedial measures	
	Any other Sub-activity (Bidder to include)	
Total for Activity 2 carried to summary		

Schedule C 1 - Price Schedule		
<i>(enclose all price schedule in envelope marked, " Envelope 2 – Financial Proposal")</i>		
Activity 3 : Construction Work		
Item No:	Sub-activity description (with fully completion upto operational level)	Amount (Rs.)
3.1	Design and furnishing of Elementary Laboratory as per the employer requirement under section vi “ Employer’s requirement”	
Any other Sub-activity (Bidder to include)		
Total for Activity 3 carried to summary		

Note : Bidder can submit cost breakdown with reference to Item No 3.1

Schedule C4 – Price Schedule

If any item relevant to design which is not printed in the document, the bidder shall enter that item under “any other sub activity- bidder to include” and shall price it.

All items and/or works described in “Employer’s Requirement” to be implemented by the successful bidder within the total bid price.

*Enclose all price schedules in envelope marked, **Envelope 2 – Financial Proposal***

Sheet of.....

Summary

Activity No:	Activity description	Amount
1	Preliminaries	
2	Design	
3	Construction	
	Any other activity (bidder to include)	
A		
B		
	Sub Total	
	Discount	
	Amount carried to Form of Bid	
	Add VAT 08%	
	Total	

Signature of bidder

Seal

Date