



**UVA WELLASSA UNIVERSITY
AHEAD PROJECT
PASSARA ROAD
BADULLA**

**INVITATION FOR BIDS
FOR
UNDERGROUND OPTICAL FIBER CABLING FROM MAIN
COMPUTER LABORATORY TO BLOCK D BUILDING
FOR
AHEAD PROJECT
(UWU/AHEAD/ELTAELSE/FAS/NCB/WORKS/06)**

BID DOCUMENT

Bidder's Name :

Address :

.....

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Invitation for Bids (IFB)

Vice Chancellor

Uva Wellassa University

Passara Road

Badulla

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**Underground Optical Fiber Cabling from Main Computer Laboratory to
Block D Building**

Contract No :- UWU/AHEAD/ELTAELSE/FAS/NCB/WORKS/06

1. The **Chairman, Department Procurement Committee** on behalf of the Uva Wellassa University, invites sealed bids from eligible and qualified bidders for **Underground Optical Fiber Cabling from Main Computer Laboratory to Block D Building** as described below for an all-inclusive estimated cost of **Rs. 1.0 Mn.**

Scope of work includes **Underground optical fiber cabling and necessary builders work. Contract period is 60 Days.**

2. Bidding will be conducted through **National Competitive Bidding** Procedure.
3. To be eligible for contract award, the successful bidder shall not have been blacklisted and shall meet the **CIDA C9 or higher grade in Buildings/services or Valid Business Registration.**

4. Interested bidders may obtain further information from **Deputy Director Procurement/OTS and Deputy Director- Engineering (OTS) of Uva Wellassa University, Badulla** and inspect the bidding documents at the address given below from **9.00 am to 4.00 pm on Weekdays except public holidays**
5. A complete set of Bidding Documents in English language may be purchased by interested bidders on the submission of a written application to the **Deputy Director Procurement/OTS** from **10/02/2020 to 3/3/2020** during 09.00 am to 04.pm.
6. Bids shall be delivered to the address below on or before **2.00 pm on 3/3/2020**. Late bids will be rejected. Bids will be opened soon after closing in the presence of the bidders' representatives who choose to attend.
7. All bids shall be accompanied by a **valid bid bond amounting Rs. 10,000.00 from a bank approved by the Central Bank of Sri Lanka or by cash deposit to the University Shroff counter**. (Bidder shall submit the original bid bond/original receipt received from Shroff counter)
8. **Bids Shall be Valid up to 1/7/2020.**
9. **A pre bid meeting and site visit will be scheduled to be held at 10.00 a.m. on 18/2/2020** at the Mini Board Room of the Senate Building.

Deputy Director Procurement
AHEAD/OTS

FORM OF BID

Underground Optical Fiber Cabling from Main Computer Laboratory to Block D Building

Contract No: - UWU/AHEAD/ELTAELSE/FAS/NCB/WORKS/06

Vice Chancellor
Uva Wellassa University
Passara Road
Badulla

Sir,

1. Having examined the Standard Bidding Document, Schedule, Specifications, Drawings and Bills of Quantities and addenda for the execution of the above-named Works, we/I the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, Schedule, Specifications, Drawings, Bill of Quantities and Addenda for the sum of Sri Lankan Rupees (LKR) or such other sums as may be ascertained in accordance with the said Conditions.
2. We/I acknowledge that the Schedule forms part of our Bid.
3. We/I undertake, if our Bid is accepted, to commence the Works as stipulated in the Schedule, and to complete the whole of the Works comprised in the Contract within the time stated in the Schedule.
4. We/I agree to abide by this bid for the period stated in the Sub-Clause 15 of Instructions to Bidders or any extended period and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. 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/me.
6. We/I understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this day of 20..... in the capacity of duly
authorized to sign tenders for and on behalf of
.....

(IN BLOCK CAPITALS)

Signature :

Address :

Witness :

Qualification Information

(To be completed by the bidder and submitted with the Bid)

	Eligibility Requirement	Bidder's Qualification	
<i>ICTAD Registration</i>			
Registration number	CIDA/ Business Registration		
Grade	C9 or if any		
Speciality	Bidder to specify		
Expiry Date	If any		
Backlisted Contractors			
Have you been declared as a defaulted contractor by NPA or any other Agency?		Yes/No	
IF yes provide details			
<i>VAT Registration Number</i>			
Construction Program	(attach as annex)		
Legal status	Public company/Private Company/Partnership/Sole proprietor		
	Eligibility Requirement	Bidder's Qualification	
Qualification and experience of key staff	Category, Experience and Qualifications (Insert requirement)*	Required Nos.*	Proposed by bidder (Name, experience and Qualifications)
	1		
	2		
	3		
List Other information required			
Past Experience	Attach relevant pages		

Signature of the Bidder :

FORM OF BID SECURITY

[this Guarantee form shall be filled in accordance with the instructions indicated in brackets]

[insert issuing agency's name, and address of issuing branch or office]

Beneficiary: Vice Chancellor, Uva Wellassa University, Passara Road, Badulla

Date: ----- *[insert (by issuing agency) date]*

BID GUARANTEE No.: ----- *[insert (by issuing agency) number]*

We have been informed that ----- *[insert (by issuing agency) name of the bidder]* (hereinafter called "the bidder") has submitted to you its bid dated ----- *[insert (by issuing agency) date]* (hereinafter called "the Bid") for the execution of **[Underground Optical Fiber Cabling from Main Computer Laboratory to Block D Building]** under Invitation for Bids No. **UWU/AHEAD/ELTAELSE/FAS/NCB/WORKS/06**

Furthermore, we understand that, according to your conditions, Bids must be supported by a Bid Guarantee.

At the request of the bidder, we ----- *[insert name of issuing agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----- *[insert amount in figures]* ----- *[insert amount in words]* upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has withdrawn its Bid during the period of bid validity specified; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or
- (c) having been notified of the acceptance of its Bid by the Employer during the period of bid validity, (i) fails or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.

This Guarantee shall expire: (a) if the bidder is the successful bidder, upon our receipt of copies of the Contract signed by the bidder and of the Performance Security issued to you by the bidder; or (b) if the bidder is not the successful bidder, upon the earlier of (i) the successful bidder furnishing the performance security, otherwise it will remain in force up to ----- *(insert date)*

Consequently, any demand for payment under this Guarantee must be received by us at the office on or before that date.

[signature(s) of authorized representative(s)]

FORM OF BID SECURING DECLARATION

*[If required, the **Bidder** shall fill in this form in accordance with the instructions indicated in brackets; * delete as appropriate]*

Name of contract ----- *[insert name by PE]*

Contract Identification No: -----*[insert number by PE]*

Invitation for Bid No.: ----- *[insert number by PE]*

To: ----- *[insert the name of the Employer preferably PE to fill before issuing the bidding document]*

I/We, the undersigned, declare that:

1. I/We understand that, according to instructions to bidders (hereinafter “the ITB”), bids must be supported by a bid-securing declaration;
2. I/We* accept that we shall be suspended from being eligible for contract award in any contract where bids have being invited by any of the Procuring Entity as defined in the Procurement Guidelines published by National Procurement Agency of Sri Lanka, for the period of time of *three years* starting on *the latest date set for closing of bids of this bid*, if I/We:
 - (a) withdraw our Bid during the period of bid validity period specified; or
 - (b) do not accept the correction of errors in accordance with the Instructions to Bidders of the Bidding Documents; or
 - (c) having been notified of the acceptance of our Bid by you, during the period of bid validity, (i) fail or refuse to execute the Contract Form, if required, or (ii) fail or refuse to furnish the performance security, in accordance with the ITB.
3. I/We* understand this bid securing shall expire if we are not the successful bidder, upon the earlier of (i) the successful bidder furnishing the performance security; or (ii) twenty-eight days after the expiration of our bid.

Signed

In the Capacity of

Name.....

Dated onday of

Schedule

ITB Clause	Conditions of Contract Clause	Item	Data
1.	1.1.8	Employer is :	Name : Vice Chancellor Address: Uva Wellassa University, Passara Road, Badulla
	1.1.10	Engineer is:	Name : Deputy Director - Engineering Address: Uva Wellassa University, Passara Road, Badulla
1 & 13	1.1.21	Summary of Works	The Work consists of: Underground Optical Fiber Cabling & necessary builders work Contract Name: Underground Optical Fiber Cabling from Main Computer Laboratory to Block D Building Contract Number: UWU/AHEAD/ELTAELSE/FAS/NCB/WO RKS/06
1.	1.1.14	Intended Completion Date	Intended Completion Date is 60 Days from the Start Date
2.		Source of Funds	The source of funds is WORLD BANK
3.		Eligibility	The requirement is; * By newspaper advertisement
12.		Documents of the Bid	Any other information - No
13.	10.10	Price Adjustment	Is not entitled

Bid Security / Bid
Securing Declaration

Bid shall include a Bid Security:

for an amount **Rs. 10,000.00** from a bank approved by the Central Bank of Sri Lanka or by cash deposit to the University Shroff counter will also be accepted.

- issued by an agency acceptable to Employer using the form for bid security (unconditional guarantee) included in
- Section 9, Standard Forms.
- remain valid till **1/7/2020**
- **OR**
- Bid shall include a Bid-Securing Declaration using the form included in Section 9.”

31.	4.4	Performance Security	<p>Amount of Performance Security required is 05 % of the Initial Contract Price.</p> <p>The form acceptable is from a bank approved by the Central Bank of Sri Lanka or by cash deposit to the University Shroff counter will also be accepted.</p>
	6.4	Late Completion	<p>The amount to be paid is 0.05% of Initial Contract Price per Day, subjected to maximum of 5% of Initial Contract Price.</p>
	8.1	Notification of Defects	<p>The period for Defect Notification is 180 Days from Taking Over.</p>
	10.3	Retention	<p>The amount of retention is 10 % of certified work done in each bill</p> <p>The maximum amount of retention is 5 % of Initial Contract Price.</p>

ITB Clause	Conditions of Contract Clause	Item	Data
	10.12	Advance Payment	Upon the payment of the advance payment in full the Employer shall return the original of the advance payment guarantee to the Contractor.
	13.1 (c)	Insurance, third party	Minimum amount for third party insurance is Rupees
	13.1	Insurance for Contractor's Personnel	Minimum amount for Insurance for Contractor's Personnel is Rupees.....
33.	1.1.11	Adjudicator	Fees and types of reimbursable expenses to be paid to the Adjudicator shall be on a case to case basis and shall be shared by the Contractor and the Employer.
	14.0	Resolution of Disputes	

Underground Optical Fiber Caballing From Main Computer Laboratory To Block D

BILL OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QTY.	RATE (RS.)	AMOUNT(RS.)
	General instructions : Bidder shall visit and be aware about the locations of caballing path and shall quote the price including all civil and builders work.				
1	Supply, lay, termination and testing of 6 core Mutli-Mode Outdoor Optical fiber cable from Server room data rack to block D data switch rack located on the 1st floor as per attached specifications and instructions	Item	1.00	Lump Sum	
2	Supply and Installation of 42U data rack at inside Server Room – Block B as per attached specifications and instructions	Item	1.00	Lump Sum	
3	Supply and Installation of 24 ports enterprise level fiber supported network switch at the Block D Server Room as per attached specifications and instructions	Item	1.00	Lump Sum	
	Total				

SUMMARY SHEET

TOTAL SUMMARY	
TOTAL CONSTRUCTION COST	
DISCOUNT	
TOTAL AFTER DISCOUNT	

Total amount in (words) :

.....
.....
.....

.....

Authorized signature of bidder (Official Seal)

Supply, installation and termination of Optical Fiber Cable with accessories

Scope of Installation, Configuration and Integration

Supply, laying, termination and testing of 6 core Mutli-Mode Outdoor Optical fiber cable from Server Room data rack to block D data switch rack located on the 1st floor.

Supply and Installation of 42U data rack at inside Server Room – Block B.

Supply and Installation of 24 ports enterprise level fiber supported network switch at the Block D Server Room.

INSTRUCTIONS TO BIDDERS

The bidder should visit the site with prior appointment and carry out necessary inspection and test/measurement as are necessary before submitting the proposal.

For future expansions, bidder needs to provide a pulling cable between Block- B Server Room to necessary hand hole, which will be explained on the site visit.

The Tenderer shall assume all responsibility to repair or replace fixtures and materials if damaged during its work on the site.

TECHNICAL SPECIFICATIONS

1. Fiber Work

- Technical and price bid should have OEM part number for each proposed item.
- Proposed fiber cable should be 6C OUT-DOOR ARMOR FIBER CABLE UNITUBE WITH STEEL WIRE SUPPORT 50/125 MM OM3
- Optical fiber cable has to be laid through 32mm ISI marked HDPE pipe buried inside soft soil and hard soil/concrete trenches wherever it is passing through outdoor areas. In indoor areas the cable has to pass through high grade PVC conduit.
- The trenching (both soft soil and concrete/hard soil) should be of 600mm depth and should be refilled properly after laying of the HDPE pipe and OFC cable.
- Trenches in concrete surface should be resurfaced with proper concreting after laying of OFC and HDPE pipe. Trenches in soft soil should be refilled properly with soil.
- Termination (Splicing) of all optical fiber cable cores in Line interface units placed inside data racks
- Termination (Splicing) of all optical fiber cable cores in Line interface units placed inside data racks at Server Room (Block – B) and Block D 1st floor server room racks with proper labeling.
- End to End OTDR testing should be done for all fiber cores
- It is required to place the 1 Hand Hole between the two building
- Obsolete or near end of sale products will not be accepted
- Fiber path Indicators should be installed by supplier.
- It is required 20 Years or above warranty period for the passive work.

2. SERVER RACK 42U W600 XH2100 XD1000mm COVERED RACK WITH FRONT & BACK MESH DOORS

- 19 inch Open Rack-RAL 9005-Free Standing Structure-42U-600x2100x1000mm-Without Doors & Covers -1 No
- Mounting Rail-U Marking-RAL 9005-For 19 inch FS Rack-42U-Height-2100mm-Thickness-2.0mm – 1 No
- Mesh Door - Single - RAL9005 - 600mmx 42U - Increased air flow area 600x2100mm – 1 No
- Mesh Door - Dual - RAL 9005 - For 19 inch Free Standing Rack - 42U - 600x2100mm - Thickness - 1.2mm – 1 No
- Dual Side Cover Vertically split - RAL 9005 - 1000mmx 42U Free – 2 No's
- Self-Sealing Cable Entry Plate -RAL 9005-For top & bottom of 19 inch racks-440x130mm-Thickness-1.2mm – 2 No
- Cable Entry Plate - RAL 9005 - For top & bottom of 19 inch racks - 440x130mm - Thickness - 1.2mm – 1 No
- Louvre Plate - RAL 9005 - For top & bottom of 19 inch racks - 440x130mm - Thickness - 1.2mm – 2 No's
- Fan Plate - RAL 9005-For top & bottom of 19 inch racks-3 x 230V ac Fans-440x130mm-Thickness - 1.2mm – 2 No's
- Blank Plate - RAL 9005 - For top & bottom of 19 inch racks - 440x130mm - Thickness - 1.2mm – 3 No's
- Cable Ladder - RAL 9005 - For 19 inch Free Standing Rack - 42U - 150mm - Thickness - 1.2mm – 2 No's
- Earth Bars - To earth the equipment - (19 inch Open Rack Earth Bar Assembly) – 1 No
- PDU-19inch 6xBS1363 sockets with BS1363 plug-13A overload & indicator - 3x1.5mm/2x2.0m cables-250V-13A – (Total 13A plug point -20 or above)
- It is required 3 Years or More Comprehensive Warranty period

3. 24 Ports Enterprise Level Switch

Item Type	Smart-managed Layer 2 switch
Ports Details	24 (10/100/1000) ports, 6 of which provide PoE/PoE+, and 4 SFP 100/1000 ports
	SFP ports should be populated with 2 x compatible Multi mode SFP
Memory and processor	ARM Cortex-A9 @ 400 MHz 128 MB SDRAM or higher
Packet buffer size	1.5 MB
Flash Latency	16 MB flash
	100 Mb Latency: < 7 μ s
	1000 Mb Latency: < 2 μ s
Throughput	up to 77.3 Mpps
Switching capacity	104 Gbps minimum
Remote Management	Web Based Management and more
Manufacturer Authorization Letter	Required
PoE capability	370 W PoE+
Rack Mounting capability and accessories	Required
SFP Connectors	4 required
Comprehensive Warranty	3 Years or More