



Proposed Building of Fiber Technology

Contract No: UWU/AHEAD/DOR/FASEA/NCB/WORKS/01

BIDDING DOCUMENT

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Invitation for Bids (IFB)

Vice Chancellor
Uva Wellassa University,
Passara Road,
Badulla

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Proposed Building of Fiber Technology
Contract No: - UWU/AHEAD/DOR/FASEA/NCB/WORKS/01

1. The **Chairman, Department Procurement Committee** on behalf of the Uva Wellassa University, invites sealed bids from eligible and qualified bidders for **Proposed Building of Fiber Technology** as described below for an estimated cost of **Rs. 8.12 MN (Excluding VAT & CONTINGENCIES)**

Scope of includes construction of two story building including services. Contract period is 270 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 C7 grade in Buildings**.
4. Interested bidders may obtain further information from **AHEAD/OTS Office (Tel. No: 055-2226622 Ext- 1124, Fax No: 055-2226633) and AHEAD Deputy Director – Engineering (055-2226581) of Uva Wellassa University, Badulla** and inspect the bidding documents at the address given below from **9.00 AM to 3.00 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/AHEAD** from **22.07.2019 to 16.08.2019** during 09.00 AM to 03.00 PM upon payment of a non-refundable fee of **Rs. 1000.00**. The method of payment will be in **cash deposited to AHEAD/OTS Office of Uva Wellassa University**
6. Bids shall be delivered to the address below on or before **3.00 PM on 16.08.2019**. 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. 82,000.00 from a bank approved by the Central Bank of Sri Lanka or by cash deposit to the University Shroff counter will also be accepted.** (Bidder shall submit the original bid bond/original receipt received from Shroff counter)
8. **Bids shall be Valid up to 14.12.2019**
9. **Condition of Contract – SBD III Volume I Second edition January 2007 and proceeding amendments**
10. **A pre bid meeting and site visit is scheduled to be held at 10.00 A.M. on 29.07.2019** at the Admin Board Room.

Deputy Director Procurement
AHEAD/OTS

FORM OF BID

**Proposed Building of Fiber Technology
Contract No: - UWU/AHEAD/DOR/FASEA/NCB/WORKS/01**

Vice Chancellor
Uva Wellassa University
Passara Road
Badulla

Sir,

1. Having examined the Standard Bidding Document - Procurement of Works - Minor Contracts [ICTAD/ SBD/ 03 - Second Edition, January 2007], 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	
ICTAD Registration			
Registration number	CIDA		
Grade	C7		
Specialty	Buildings		
Expiry Date			
Backlisted Contractors			
Have you been declared as a defaulted contractor by NPA or any other Agency?		Yes/No	
IF yes provide details			
VAT Registration Number			
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 NCT Qualified / Experienced supervisor	01	
	2		
	3		
List Other information required			
Past Experience	<ol style="list-style-type: none"> 1. Provide details of similar works completed in last 3 years. 2. Provide value of contracts completed in last 3 years. 		

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 ***[Proposed Building of Fiber Technology]*** under Invitation for Bids No. **UWU/AHEAD/DOR/FASEA/NCB/WORKS/01**

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 N^o: -----*[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 :	<p>Name : Vice Chancellor</p> <p>Address: Uva Wellassa University,</p> <p style="text-align: center;">2nd Mile Post</p> <p style="text-align: center;">Passara Road, Badulla</p>
	1.1.10	Engineer is:	<p>Name : AHEAD Deputy Director - Engineering</p> <p>Address: Uva Wellassa University,</p> <p style="text-align: center;">2nd Mile Post</p> <p style="text-align: center;">Passara Road, Badulla</p>
1 & 13	1.1.21	Summary of Works	<p>The Work consists of: Construction of two story building. Items shown as “deleted” in the BoQ will be performed as stage II subject to savings</p> <p>Contract Name : Proposed Building of Fiber Technology</p> <p>Contract Number : UWU/AHEAD/DOR/FASEA/NCB/WORKS/01</p>
1.	1.1.14	Intended Completion Date	Intended Completion Date is 270 Days from the Start Date
2.		Source of Funds	The source of funds is WORLD BANK
3.		Eligibility	<p>The requirement is;</p> <p style="text-align: center;">* C7 CIDA registration</p>
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.82,000.00** 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 **14/12/2019**
- **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 365 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	

Bill of Quantities

PROPOSED BUILDING FOR FIBER TECHNOLOGY

SUMMARY SHEET

GROUND FLOOR

ITEM		TOTAL
1.0	DEMOLISHER	
2.0	EXCAVATION	
3.0	CONCRETER	
4.0	FORMWORK	
5.0	REINFORCEMENT	
6.0	BRICK LAYER	
7.0	MASONRY WORK	
8.0	PAVIOR	
9.0	TILER	
10.0	ALUMINIUM WORKER	
11.0	IRON MONGER	
12.0	PLASTERER	
13.0	PLUMBER	
14.0	SANITARY FITTINGS	
15.0	DRAIN LAYER	
16.0	PAINTER AND DECORATOR	
17.0	ELECTRICAL INSTALLATION	
GRAND TOTAL		

PROPOSED BUILDING OF FIBER TECHNOLOGY
BILL OF QUANTITIES
GROUND FLOOR

BOQ NO	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
	01) DEMOLISHER				
1.1	Allow for Necessary demolision on a existing concrete structure with necessary removal of r/f etc.	item	1.00		
	SUB TOTAL				
	02) EXCAVATION				
2.1	Excavation manually for leveling site in any materials except rock requiring blasting, including transporting excavated soil up to 0.4Km , depositing and leveling as directed. (Bank volume).	m ³	215.30		
2.2	Excavation for Foundation in any material except rock requiring blasting, levelling and well ramed under foundation. materials within the site as directed - Depth 1.5~3.0m (Bank volume).	m ³	1.00		
2.3	Excavation for Foundation in any material except rock requiring blasting, levelling and well ramed under foundation. Materials within the site as directed - Depth 0~1.5m (Bank volume).	m ³	30.00		
2.4	Filling under floors by spreading, watering and compacting with approved quality Earth imported from outside in 150mm layers by machinery as directed (Cost of transport of sand should be added separately) - Compacted volume. (More than 50 m3.)	m ³	22.00		
2.5	Allow For transport of available soil	m ³	243.00		
	SUB TOTAL				

	03) CONCRETER				
3.1	Mixing, placing, vibrating and curing 1:3:6(25mm) concrete (Machine mixing).	m ³	1.67		
3.2	112x150mm Lintels in 1:2:4(20mm) cement concrete including formwork (Reinforcement will be paid separately).	m	1.00		
3.3	225x150mm Lintels in 1:2:4(20mm) cement concrete including formwork (Reinforcement will be paid separately).	m	6.00		
3.4	Mixing, placing, vibrating and curing 1:2:4(20mm) concrete (Machine mixing).	m ³	0.50		
3.5	Mixing, placing, vibrating and curing 1:2:4(20mm) concrete (Machine mixing).	m ³	4.32		
3.6	Mixing, placing, vibrating and curing 1:2:4(20mm) concrete (Machine mixing).	m ³	5.40		
3.7	Mixing, placing, vibrating and curing 1:2:4(20mm) concrete (Machine mixing).	m ³	3.40		
3.8	Mixing, placing, vibrating and curing 1:2:4(20mm) concrete (Machine mixing).	m ³	6.42		
3.10	Mixing, placing, vibrating and curing 1:2:4(20mm) concrete (Machine mixing).	m ³	18.60		
3.11	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing). slab	m ³	11.00		

3.12	225 mm wide concrete drains with 900mm wide ramp in 1:3:6(25mm) concrete with 150mm to 225mm average depth, 75mm thick base and side walls inclusive of 20mm thick cement rendering in 1:3 cement sand mix. Rate shall include necessary expansion joints, formwork and excavation.	m	9.60		
3.15	225 mm wide concrete drains without ramp in 1:3:6(25mm) concrete with 150mm to 225mm average depth, 75mm thick base and side walls inclusive of 20mm thick cement rendering in 1:3 cement sand mix. Rate shall include necessary expansion joints, formwork and excavation.	m	14.30		
SUB TOTAL					
04) FORMWORK					
4.1	Supplying, fabricating, fixing and removing formwork using 18 mm thick plywood sheets for Column Footings .	m ²	14.40		
4.2	Supplying, fabricating, fixing and removing formwork using 18 mm thick plywood sheets for Column Shafts .	m ²	73.00		
4.3	Supplying, fabricating, fixing and removing formwork using 18mm thick plywood sheets for Beams .	m ²	30.00		
4.4	Supplying, fabricating, fixing and removing formwork using 18mm thick plywood sheets for Stair Cases .	m ²			
4.5	Supplying, fabricating, fixing and removing formwork using 18 mm thick plywood sheets for 1st floor Beams	m ²	81.00		
4.6	Supplying, fabricating, fixing and removing formwork using 18 mm thick plywood sheets for Slabs	m ²	88.00		

	SUB TOTAL				
	05) REINFORCEMENT				
5.1	Supplying, cutting, bending, laying and binding (with 16 BWG binding wires) Mild Steel Reinforcement to beams, columns, etc. (Diameter equal to 6mm).	kg	310.00		
5.2	Supplying, cutting, bending, laying and binding (with 16 BWG binding wires) Tor Steel Reinforcement to slabs, beams, lintels, columns, stair cases, etc.	kg	3,000.00		
	SUB TOTAL				
	06) BRICK LAYER				
6.1	225mm thick brick work in 1:5 cement and sand mortar above DPC level. (Size of the brick should be L=220mm, W=105mm, H≤65mm).	m ³	12.60		
6.2	112mm thick brick work in 1:5 cement and sand mortar (Size of the brick should be L=220mm, W=105mm, H≤65mm).	m ²	29.00		
	SUB TOTAL				
	07) MASONRY WORK				
7.1	20 mm thick DPC in 1:3 cement sand mix finished with two coats of DPC tar and blinded with sand.	m ²	24.50		
7.2	Random Rubble Masonry work for foundations in 1:5 cement, sand mortar using 150mm x 225 mm approved quality rubble.	m ³	4.87		
	SUB TOTAL				
	08) PAVIOR				
8.1	Supplying and laying G1000 polythene as damp proof membrane with 150mm laps after preparing surface as directed.	m ²	135.00		

8.2	Anti-termite treatment for floor. The method of treating and the chemicals to be used should be approved by the Engineer and minimum 10 year warranty certificate from a recognized organization should be provided.	m ²	135.00		
SUB TOTAL					
09) TILER					
9.1	Supplying and laying 400mmx400mm Matt Ceramic Floor Tiles with exceptional quality, including 12mm thick tile bedding in 1:3 cement sand mortar and pointing with tile grout similar to the color of tiles.(Color, pattern and the quality should be approved by the engineer). <i>Price range Rs.235.00-Rs.280.00 (Excluding VAT)</i>	m ²	97.00	Deleted	
9.2	Supplying and laying 100mm high Ceramic Floor Tile Skirting with exceptional quality, including 12mm thick tile bedding in 1:3 cement sand mortar and pointing with tile grout similar to the color of tiles.(Color, pattern and the quality should be approved by the engineer). <i>Price range Rs.114.00-Rs.123.00 (Excluding VAT)</i>	m	60.00	Deleted	
9.3	Supplying and laying approved quality stainless steel beading.	m	6.00	Deleted	
9.4	16mm thick cement rendering in 1:3 cement sand mortar finished smooth with cement floating	m ²	10.00	Deleted	
SUB TOTAL					
10.0 10) ALUMINIUM WORKS					
10.1	Supplying, fabricating and fixing 100mm (1.6mm thick) aluminum double door with fully fixed glass of 5mm thk, top and sides with 5mm thk fixed glass door using approved quality powder coated aluminum extrusions including door lock, gaskets, wool felt, beadings, flush bolt, threaded bar with nut roller, door handles, etc. to complete	m ²	6.82		
10.1 a	Supplying, fabricating and fixing 100mm (1.6mm thick) aluminum double door with fully fixed glass of 5mm thk, top and sides with 5mm thk fixed glass door using approved quality powder coated	m ²	20.46	Deleted	

	aluminum extrusions including door lock, gaskets, wool felt, beadings, flush bolt, threaded bar with nut roller, door handles, etc. to complete				
10.2	Supplying, fabricating and fixing 41mm (1.2mm thick) aluminum casement window with top fixed glass, louverd in middle, sliding door and 2 fixed glass panel in bottom as per drawings using approved quality powder coated aluminum extrusions and 5mm thick glass as per detailed drawing including casement lock, screws, gaskets, hinges, weather strip, beadings,etc	m ²	4.40		
10.2 a	Supplying, fabricating and fixing 41mm (1.2mm thick) aluminum casement window with top fixed glass, louverd in middle, sliding door and 2 fixed glass panel in bottom as per drawings using approved quality powder coated aluminium extrusions and 5mm thick glass as per detailed drawing including casement lock, screws, gaskets, hinges, weather strip, beadings,etc	m ²	17.60	Deleted	
10.3	Supplying and sticking sand blast sticker with all to complete	m ²	4.00		
10.4	Supplying and fixing approved quality door closer	Nr	1.00		
10.4 a	Supplying and fixing approved quality door closer	Nr	3.00	Deleted	
	SUB TOTAL				
	11) IRON MONGER				
11.1	Fabricating and fixing Diamond Shaped Iron Grill using 5.5mm diameter M.S. bars at 75mm c/c and 70 degree angle to form 75x150mm diamond shaped grill with 12x5mm flat iron frame work. Rate shall include necessary concrete for installation and applying one coat of anticorrosive paint and two coats of enamel paint	m ²	2.00	Deleted	
	SUB TOTAL				

	12)PLASTERER				
12.1	16mm thick smooth plaster for walls in 1:1:5 cement lime sand mix finished smooth with lime putty	m ²	123.00		
12.2	16mm thick semi rough plaster for walls in 1:1:5 cement lime sand mix finished using trowel	m ²	77.50		
12.3	20mm thick plinth plaster in 1:3 cement sand mix finished smooth with cement floating	m ²	12.40		
12.4	Preparing door or window reveals in 12mm thick 1:3 cement sand mortar as directed (0mm~ 100mm)	m	148.00		
12.5	10mm thick smooth soffit plaster for concrete slabs, beams and stair cases in 1:3 cement sand mix finished smooth with lime putty	m ²	165.00		
12.6	10mm thick rough plaster for concrete columns in 1:3 cement sand mix finished using sponge.	m ²	45.00		
	SUB TOTAL				
	13) PLUMBER				
13.1	Supplying and laying 20mm (1/2") Type 1000 PVC pipes with all specials	m	50.00		
13.2	Supplying and laying 40mm (1 1/4") Type 600 PVC pipes with all specials	m	15.00		
	SUB TOTAL				
	14) SANITARY FITTINGS				
14.1	Supplying and fixing Lanka Ceramic Ltd. manufactured or equivalent approved quality 550mmx400mm pedestal type Ceramic wash basin (Ordinary)with 12mm heavy quality chromium plated pillar tap,12mm(1/2") angle valve - chromium plated ,waste plug, water supply and waste water connection as directed (Quality of wash basin should be approved by the engineer) Prime cost of 550mmx400mm pedestal type Ceramic pedestal type wash basin -(price range Rs. 7,400.00- Rs.8,000.00 (Excluding VAT)	Nr	1.00	Deleted	

	SUB TOTAL				
	15) DRAIN LAYER				
15.1	Supplying and laying approved quality 110mm (4") PVC (type 400) pipes on 150mm thick 1:3:6(25m) concrete layer and covered with 1:3:6(25m) concrete with 50mm minimum cover including excavation and backfilling	m	0.50		
	SUB TOTAL				
	16) PAINTER AND DECORATOR				
16.1	Applying one coat of approved quality wall primer and two coats of approved quality emulsion paint to new walls .	m ²	350.00		
16.2	Applying one coat of approved quality wall primer and two coats of approved quality weather shield paint to new walls .	m ²	135.00		
	SUB TOTAL				
	17) ELECTRICAL INSTALLATION				
17.2	Supplying and fixing approved quality 12W Ceiling mounted L.E.D Panel lamp (Sunk or Surface mounted) wired through a 5 Amp switch using 2x1/1.13mm Cu\PVC\PVC (1sq.mm) wires in fully concealed PVC conduits with all specials. Surface plastic casing can be use with approved condition. Rate shall include Wires, Conduites, switch, sun box, etc L.E.D Lamp Life Span 25000hrs or more with 2 Year Warranty for Complete Product. Without any Complaints of ROHS. (Quality should be approved by the engineer)	Nr	18.00		

17.3	<p>Supplying and fixing approved quality 1400mm sweep ceiling fan with fan regulator & On/Off by 01 Gang Switch wired through 2x1/1.13mm Cu\PVC\PVC (1sq.mm) wires and 1x7/0.67mm Cu\PVC (2.5sq.mm) earth wire in fully concealed PVC conduits with all specials. Surface plastic casing can be use with approved condition. Ceiling fan Should be following Specification. Power Consumption (60W-80W) SLS 814 Compliance 02 Year company Warranty Power cut-off Safety Switch Safety Wired for Fan Motor from Rod Hum free Condenser Type Controller (Quality should be approved by the engineer) Prime cost of Fan (excluding VAT)= R.s.7,500.00 - 8000.00</p>	Nr	4.00		
17.4	<p>Supplying and fixing approved quality Square Pin type - G/13 Amp socket outlet (for the ring circuit or radial circuit) wired through 7/0.67mm Cu\PVC\PVC(T) - 2.5sq.mm wire and 1x7/0.67mm Cu\PVC (2.5sq.mm) earth wire in fully concealed PVC conduits with all specials. Surface plastic casing can be use with approved condition. Supply cables & concealing materials will be paid separately. (Quality should be approved by the engineer)</p>	Nr	21.00		
17.5	<p>Supplying and fixing approved quality 15 Amp socket outlet wired through 7/0.67mm Cu\PVC\PVC(T)-2.5sq.mm wire and 1x7/0.67mm Cu\PVC (2.5sq.mm) earth wire in fully concealed PVC conduits or surface plastic casing and capping as directed. supply cables & concealing materials will be paid separately (Quality should be approved by the engineer)</p>	Nr	1.00		
17.6	<p>Allow for necessary power requirement to complete power supply</p>	PS	1.00	50,000.00	50,000.00
	SUB TOTAL				
	TOTAL AMOUNT				

PROPOSED BUILDING OF FIBER TECHNOLOGY

SUMMARY SHEET

FIRST FLOOR

ITEM		TOTAL
1.0	DEMOLISHER	
2.0	CONCRETER	
3.0	FORMWORK	
4.0	REINFORCEMENT	
5.0	BRICK WORK	
6.0	PAVIOR	
7.0	TILER	
8.0	PLASTERER	
9.0	PLUMBER	
10.0	SANITARY FITTINGS	
11.0	ROOF PLUMBER	
12.0	TINKER	
13.0	PAINTER AND DECORATOR	
14.0	ELECTRICAL INSTALLATION	
15.0	ALUMINIUM WORKS	
16.0	ROOFER	
17.0	CARPENTER AND JOINNER	
18.0	METAL WORK	
19.0	MISCELLANEOUS WORKS	
20.0	CEILING WORKS	
TOTAL SUMMARY		

Fiber Technology Laboratory

BILL OF QUANTITIES					
FIRST FLOOR					
BOQ NO	DESCRIPTION	UNIT	Qty	RATE (RS.)	AMOUNT (RS.)
	01)DEMOLISHER				
1.1	Allow for necessary re arrangement of existing protected house in order to accommodate the building	item	1.00		
	SUB TOTAL				
	02)CONCRETER				
2.1	112x150mm Lintels in 1:2:4(20mm) cement concrete including formwork (Reinforcement will be paid separately).including stiffner columns and stiffner beams	m	24.00		
2.2	225x150mm Lintels in 1:2:4(20mm) cement concrete including formwork (Reinforcement will be paid separately).	m	1.00		
2.3	Mixing, placing, vibrating and curing 1:2:4(20mm) concrete (Machine mixing).	m ³	1.60		
2.4	Mixing, placing, vibrating and curing 1:2:4(20mm) concrete (Machine mixing).	m ³	1.65		
	SUB TOTAL				
	03)FORMWORK				
3.1	Supplying, fabricating, fixing and removing formwork using 18 mm thick plywood sheets for Column Shafts.	m ²	28.00		
3.2	Supplying, fabricating, fixing and removing formwork using 18mm thick plywood sheets for Beams.	m ²	42.00		
	SUB TOTAL				
	04)REINFORCEMENT				

4.1	Supplying, cutting, bending, laying and binding (with 16 BWG binding wires) Mild Steel Reinforcement to slabs, beams, lintels, columns, stair cases, etc. (Diameter equal to 6mm).	kg	45.00		
4.2	Supplying, cutting, bending, laying and binding (with 16 BWG binding wires) Tor Steel Reinforcement to slabs, beams, lintels, columns, stair cases, etc.	kg	400.00		
SUB TOTAL					
05)BRICK WORK					
5.1	225mm thick brick work in 1:5 cement and sand mortar above DPC level. (Size of the brick should be L=220mm, W=105mm, H≤65mm).	m ³	12.45		
5.2	112mm thick brick work in 1:5 cement and sand mortar (Size of the brick should be L=220mm, W=105mm, H≤65mm)	m ²	66.00		
5.3	112mm thick brick work in 1:5 cement and sand mortar (Size of the brick should be L=220mm, W=105mm, H≤65mm) - above roof beam	m ²	1.00		
SUB TOTAL					
06)PAVIOR					
6.1	Application two coat of liquid polymer cement water proofing agent for flat roofs, exposed balconies, concrete gutters, etc. The water proofing material and the method of water proofing should be approved by the engineer.	m ²	26.40		
SUB TOTAL					
07)TILER					
7.1	Supplying and laying 400mmx400mm Matt Ceramic Floor Tiles with exceptional quality, including 12mm thick tile bedding in 1:3 cement sand mortar and pointing with tile grout similar to the color of tiles.(Color, pattern and the quality should be approved by the engineer). Price range Rs.235.00-Rs.280.00 (Excluding VAT)	m ²	98.00	Deleted	

7.2	Supplying and laying 100mm high Ceramic Floor Tile Skirting with exceptional quality, including 12mm thick tile bedding in 1:3 cement sand mortar and pointing with tile grout similar to the color of tiles.(Color, pattern and the quality should be approved by the engineer). <i>Price range Rs.114.00-Rs.123.00 (Excluding VAT)</i>	m	93.30	Deleted
7.3	Supplying and laying approved quality stainless steel beading.	m	6.00	Deleted
7.4	16mm thick cement rendering in 1:3 cement sand mortar finished smooth with cement floating	m ²	10.00	Deleted
SUB TOTAL				
08)PLASTERER				
8.1	16mm thick smooth plaster for walls in 1:1:5 cement lime sand mix finished smooth with lime putty	m ²	123.00	
8.2	16mm thick smooth plaster for walls in 1:1:5 cement lime sand mix finished smooth with lime putty on gabion walls	m ²	2.00	
8.3	16mm thick semi rough plaster for walls in 1:1:5 cement lime sand mix finished using trowel	m ²	125.00	
8.4	16mm thick semi rough plaster for walls in 1:1:5 cement lime sand mix finished using trowel above roof beam	m ²	1.00	
8.6	10mm thick smooth plaster for concrete columns in 1:3 cement sand mix finished smooth with lime putty at roof gutter level above roof beam	m ²	1.00	
8.7	10mm thick rough plaster for concrete columns in 1:3 cement sand mix finished using sponge	m ²	17.00	

8.8	10mm thick rough plaster for concrete columns in 1:3 cement sand mix finished using sponge at roof gutter level	m ²	0.50		
8.10	10mm thick smooth soffit plaster for concrete slabs, beams and stair cases in 1:3 cement sand mix finished smooth with lime putty	m ²	24.00		
8.11	Preparing door or window reveals in 12mm thick 1:3 cement sand mortar as directed (0mm~ 100mm)	m	39.50		
8.13	Preparing door or window reveals in 12mm thick 1:3 cement sand mortar as directed (100mm~ 225mm)	m	74.00		
SUB TOTAL					
9) PLUMBER					
9.1	Supplying and fixing 12mm (1/2") bib tap - Chromium plated. Prime Cost Rs.1,190.00 - 1,300.00	Nr	1.00		
9.3	Supplying and laying 25mm (3/4") Type 1000 PVC pipes with all specials rate included pressure testing etc.	m	1.00		
9.4	Supplying and laying 20mm (1/2") Type 1000 PVC pipes with all specials rate included pressure testing etc.	m	5.00		
9.5	Supplying and laying 40mm (1 1/4") Type 1000 PVC pipes with all specials rate included pressure testing etc.	m	4.00		
9.6	Supplying and laying 50mm (1 1/2") Type 600 PVC pipes with all specials rate included pressure testing etc.	m	1.00		
9.7	Supplying and laying 110mm (4") Type 400 PVC pipes with all specials rate included pressure testing etc.	m	1.00		
9.8	Supplying and fixing 25mm (1") gate valve - Brass	Rate only			

9.9	Supplying and fixing 12mm (1/2") gate valve - Brass	Nr	2.00		
	SUB TOTAL				
	10)SANITARY FITTINGS (including ground floor)				
10.1	Supplying and fixing approved quality 550mmx400mm pedestal type Ceramic wash basin with 12mm heavy quality chromium plated pillar tap, 12mm (1/2") angle valve - chromium plated, waste plug, water supply and waste water connection as directed. Minimum 10 year warranty on ceramic ware to be available with manufacturers. prime cost of 550mmx400mm pedestal type Ceramic pedestal type wash basin American or equivalent	Nr	1.00	Deleted	
10.2	Supplying and fixing approved quality 40mm Bottle Trap as directed (Quality should be approved by the engineer)	Nr	1.00	Deleted	
	SUB TOTAL				
	11)ROOF PLUMBER				
11.1	Allow for bellmouth and drainage arrangement on roof terrace	PS	1.00	10,000.00	10,000.00
11.2	Supplying and laying 110mm (4") Type 600 PVC pipes with all specials rate included pressure testing etc.	m	2.00		
11.3	Supplying and fixing 0.47 mm thick Zink Aluminum rainwater eave gutters of girth 450~700mm as directed. Rate shall include lap lengths, gutter brackets, endplates, expansion joints, etc	m	42.40		
11.4	Supplying and fixing 100x100mm Zink Aluminum colour coated down pipes as directed. Rate shall include all necessary nozzles, offsets, bends, clips,etc	m	33.00		

11.6	Item allow for connecting balcony water with down pipe embedded in the column by providing PVC pipe (40-50 mm dia) including Ts, all to complete.	item	1.00		
	SUB TOTAL				
	12. TINKER				
12.1	Supplying and fixing 0.47mm Zn/Al sheet 450mm wide flashing	m	32.00		
	SUB TOTAL				
	13)PAINTER AND DECORATOR				
13.1	Applying one coat of approved quality wall primer and two coats of approved quality emulsion paint to new walls.	m ²	190.00		
13.2	Applying one coat of approved quality wall primer and two coats of approved quality weather shield paint to new walls.	m ²	192.00		
	SUB TOTAL				
	14)ELECTRICAL INSTALLATION				
14.2	Supplying and fixing approved quality 18W Ceiling mounted L.E.D Panel lamp (Sunk or Surface mounted) wired through a 5 Amp switch using 2x1/1.13mm Cu\PVC\PVC (1sq.mm) wires in fully concealed PVC conduits with all specials. Surface plastic casing can be use with approved condition. Rate shall include Wires, Conduites, switch, sun box, etc. L.E.D Lamp Life Span 25000hrs or more with 2 Year Warrantey for Complete Product.Without any ROHS Complaints (Quality should be approved by the engineer)	Nor	18.00		

14.3	<p>Supplying and fixing approved quality 1400mm sweep ceiling fan with fan regulator & On/Off by 01 Gang Switch wired through 2x1/1.13mm Cu\PVC\PVC (1sq.mm) wires and 1x7/0.67mm Cu\PVC (2.5sq.mm) earth wire in fully concealed PVC conduits with all specials. Surface plastic casing can be use with approved condition. Ceiling fan Should be following Specification. Power Consumption (60W-80W) SLSI Compliance 02 Year company Warranty Power cut-off Safety Switch Safety Wired for Fan Motor from Rod Hum free Condenser Type Controller (Quality should be approved by the engineer) Prime cost of Fan = R.s.7500</p>	Nr	4.00		
14.5	<p>Supplying and fixing approved quality 13 Amp socket outlet wired through 7/0.53mm Cu\PVC\PVC (T)-1.5sq.mm wire and 1x7/0.67mm Cu\PVC (2.5sq.mm) earth wire in fully concealed PVC conduits with all specials. Surface plastic casing can be use with approved condition. (Quality should be approved by the engineer) common area</p>	Nr	1.00		
14.6	Allow for electrical power additional improvements, metal works etc.	PS		20,000.00	20,000.00
	SUB TOTAL				
	15)ALUMINIUM WORKS				
15.1	<p>Supplying, fabricating and fixing 100mm (1.6mm thick) aluminum double door with fully fixed glass of 5mm thk, top and sides with 5mm thk fixed glass door using approved quality powder coated aluminum extrusions including door lock, gaskets, wool felt, beadings, flush bolt, threaded bar with nut roller, door handles, etc. to complete</p>	m ²	20.46		

15.1 a	Supplying, fabricating and fixing 100mm (1.6mm thick) aluminum double door with fully fixed glass of 5mm thk, top and sides with 5mm thk fixed glass door using approved quality powder coated aluminum extrusions including door lock, gaskets, wool felt, beadings, flush bolt, threaded bar with nut roller, door handles, etc. to complete	m ²	6.82	Deleted	
15.3	Supplying and sticking sand blast sticker with all to complete	m ²	22.00		
15.4	Supplying and fixing approved quality door closer	Nr	3.00		
15.4 a	Supplying and fixing approved quality door closer	Nr	1.00	Deleted	
SUB TOTAL					
16) Roofer					
16.1	Supplying and roofing with 0.47mm thick color coated Zink Aluminum metal roofing sheets on 100x50x2mm galvanized lip panel frame work with all specials (Brand, Profile and Color of the sheets should be approved by the engineer).	m ²	155.00		
16.2	Supplying and laying approved quality double side 3-4 mm thick Aluminum Foil without mesh and with necessary fasteners, etc.as directed (Quality of foil should be approved by the engineer).	m ²	147.00		

16.3	Supplying, fabricating and fixing Steel Roof Web Truss of 300mm wide using 50x50x5.8 mm double angle iron main bars and 50x50 x5.8 mm angle iron distribution bars as per detailed drawing. Including applying 2 coats of anticorrosive paint to all steel work. Rate shall include necessary cleats for fixing purling and anchor bolts, pressure plates and truss plates as directed by the engineer.	m	29.00		
16.4	Allow for additional roofing structure	PS	1.00	50,000.00	50,000.00
16.5	Supplying and fixing 0.47mm thick Zink Aluminum ridge capping of girth 470mm to match the color of the roof. Rate shall include all necessary fasteners, etc.	m	35.00		
SUB TOTAL					
17)Carpenter & Joiner					
17.1	Supplying, making and fixing valance boards, barge boards or fascia of minimum of 20mm finished thickness and 225mm width in Sapu or higher quality timber. Rate to include 200mm - 225 mm long bracket fixed to roof of 25mmx5mm section flat iron and painting with two coats of anti-corrosive paint. Approved by the engineer and completing with necessary iron screws, etc.	m	43.20		
SUB TOTAL					
18) Metal Work					
18.1	Supply & installation of 900 mm height GI hard rail with 63 mm top rail, 3nr of 32 mm horizontal rails uprights with 50mm at 1m internal including base plates, welding and one earth of each primer and 2 coats of anticorrosive paint all to complete	m	7.60		
18.2	Item allow for access from road	PS	1.00	25,000.00	25,000.00

	SUB TOTAL				
	19) Miscellaneous work				
19.1	Item allow for front flower trough. Civil works	PS	1.00	10,000.00	10,000.00
	SUB TOTAL				
	20) Ceiling Works				
20.1	Supply & Installation of I -Panel Ceiling (Quality and color shall be approved by the Engineer) With Roof Structure	m ²	98.00	Deleted	
	SUB TOTAL				
	TOTAL AMOUNT				

SUMMARY SHEET

PROPOSED BUILDING FOR FIBER TECHNOLOGY

ITEM	DESCRIPTION	TOTAL
1.0	Ground Floor	
2.0	First Floor	
Total Construction Cost		
Contingencies		
Total with contingencies		
VAT - 15%		
Grand total		

Total amount in words (Without VAT)

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Total amount in words (With VAT)

.....

.....
 Authorized signature of bidder
 (Official Seal)

DRAWINGS

Refer separate drawings sets