



UVA WELLASSA UNIVERSITY
PASSARA ROAD
BADULLA

INVITATION FOR BIDS
FOR
EXTENSION TO MAINTENANCE UNIT - STAGE II
(UWU/CW/NCB/18/22)

Bidder's Name :


Address :

.....


[Signature]
Capital Works Division
Uva Wellassa University
Badulla

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Capital Works Division
Uva Wellassa University
Badulla

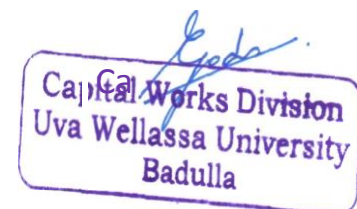
INVITATION FOR BIDS


Capital Works Division
Uva Wellassa University
Badulla


Uva Wellassa University Invitation for Bids

1. The Chairman, Department Procurement Committee, on behalf of the Uva Wellassa University now invites sealed bids from eligible and qualified bidders for **EXTENSION TO MAINTENANCE UNIT - STAGE II** (Engineer's Estimate cost approximately Rs 16.5 Mn (Excluding VAT & Contingencies)
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 **C6 CIDA** registration.
4. Interested bidders may obtain further information from **Assistant Registrar (Capital Works Division), Uva Wellassa University, Passara Road, Badulla** and inspect the bidding documents at the same office from 08.30 a.m to 03.00 p.m. during normal working days (**Telephone – 055 222 66 22 Fax- 055 222 66 33**)
5. A complete set of Bidding Documents in English language may be purchased by interested bidders on the submission of a written application to **Uva Wellassa University, Passara Road, Badulla**, from **26th November 2018** until **17th December 2018** from 09.00 a.m. to 03.00 p.m. (During normal working days) upon payment of a non-refundable fee of **Rs. 5,000.00** or directly deposit cash to the Bank of Ceylon A/C No. 3114820. The Bidder can also download the Bidding Document from the University Website <http://www.uwu.ac.lk/procurement/>. Those who are obtaining bidding document from the University website should submit the completed documents along with the original of the cash receipt / deposit slip. The payments could be made at any branch of the Bank of Ceylon in favour of Uva Wellassa University (Bidders may also examine the bidding document free of charge).
6. Bids shall be delivered to the address below on or before **02.00 p.m. on 18th November 2018**. Late bids will be rejected. Bids will be opened soon after closing in the presence of the bidders' representatives who choose to attend.
7. Bids shall be valid up to **05th March 2019**.
8. All bids shall be accompanied by Bid Security Amounting to Rs. **165,000.00**. Bid security should be valid up to **02nd April 2019**. (**Bid Security should be issued by a Bank approved by the Central Bank of Sri Lanka**) **OR by attaching original receipt of depositing Rs 165,000.00 to university Shroff counter**
9. A pre bid meeting is scheduled to be held at **10.30 a.m. on 10th December 2018** at the **Boardroom-Senate Building**.
10. Method of Evaluation & Selection: Bids shall be evaluated separately and accordingly substantially responsive lowest evaluated bidder will be selected for the award.

The Chairman,
Procurement committee,
Uva Wellassa University
Passara Road, Badulla




Section -1
INSTRUCTIONS TO BIDDERS (ITB)



Capital Works Division
Uva Wellassa University
Badulla

Instructions to bidders (ITB)

01. Instructions to bidders that will be applicable for this bidding document is that given in Section-1 of the Standard Bidding Document for Procurement of Works, ICTAD Publication No. ICTAD/SBD/01, Second Edition – January 2007, published by the Construction Industry Development Authority (CIDA)


Capital Works Division
Uva Wellassa University
Badulla

Section – 2
STANDARD FORMS (CONTRACT)


Capital Works Division
Uva Wellassa University
Badulla

FORM OF LETTER OF ACCEPTANCE

[Letter heading paper of the procuring entity]

[date]

To:

[Name and address of the Contractor]

This is to notify that your bid datedfor the construction and remedying defects of the for the Contract price ofas corrected in accordance with Instructions to Bidders and / or modified by a Memorandum of Understanding is hereby accepted.

The adjudicator shall be CIDA / shall be appointed by the Institute for CONSTRUCTION INDUSTRY DEVELOPMENT AUTHORITY (CIDA).

You are hereby instructed to proceed with the execution of the said Works in accordance with the Contract documents.

The Start Date of Construction work shall be

The Date of completion of construction work shall be

Contract Period is

On demand performance security drawn in favour ofissued by a reputed Bank approved by the Sri Lanka Central Bank or Insurance Company mentioned in Procurement Guide Line issued by National Procurement Agency.

4.1 The amount of Performance Security is

4.2 The validity period of Performance Security is

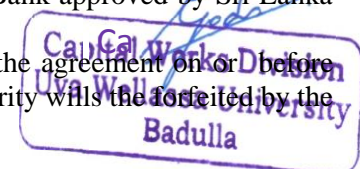
4.3 Depositingin cash at.....

Bidder should submit following documents to theon or beforeto sign the agreement.

- a. The original copy of Performance Security mentioned in No. 04.
- b. CIDA Registration Book (Three Photocopies Certified by the Bidder)
- c. VAT Registration Certificate (Three Photocopies Certified by the Bidder).
- d. National Identity Card (Three Photocopy Certified by the Bidder)
- e. Business Registration Certificate (Three Photocopies Certified by the Bidder)
- f. If the business is a joint venture, copy of such registration certificate along with the letter of consent by the business partners (certified by a JP) to sign the agreement (Three Photocopies Certified by the Bidder)
- g. Time Frame of the construction from the Beginning to the End.
- h. Expected Monthly cash flow according to construction Time Frame period. (Expected monthly payment.)

06 The Bidder is the liable to get an advance payment of 30% of the Civil Cost of Agreement by forwarding a Advance security drawn in favour of theissued by a Bank approved by Sri Lanka Central Bank.

07 The awarded Bid will be cancelled if you fail to sign the agreement on or beforewithout any notice. The Refundable Deposit or the Bid Security wills the forfeited by theand your name will be black listed.



08 You should inform in writing, theregarding commencement of construction work.

Thewill make arrangements to nominate a Technical Officer to assist and guide to you. Daily work of construction should be noted in the Log book and Measurement book at Site. Certified copy of log notes and measurement sheet should be attached to the bills at the time of interim payment.

9 The submission of monthly payment for the work completed is the responsibility of the contractor and such bills should be forward to Vice Chancellor UWU through the.....).


10 Although the date of commencement is stated as the bidder has the permission to mobilize at the site and carry out the primary works of construction as per the instruction given by the.....

11 Please be informed you that the construction works should be completed with agreed quality and scheduled time.

Authorized Signature :

Name and title of Signatory:

Name of Agency:


Capital Works Division
Uva Wellassa University
Badulla

AGREEMENT

THIS AGREEMENT, made on thebetween the..... whose registered office is (hereinafter called the "Employer") on one part and(hereinafter called the Contractor") on the other part.

WHEREAS the Employer desires that the Contractor execute(hereinafter called and referred to as "the Works") and the employer has accepted the Bid by the Contractor for the execution and completion of such Works and remedying of any defects therein.

The Employer and the Contractor agree as follows: -

01. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to,
02. The following documents shall be deemed to form and be read and construed as part of this Agreement viz :-
 - b) Employer's Requirements
 - c) The Schedule
 - d) Conditions of Contract & Specification

Other Relevant Correspondence (Letter of Acceptance)

03. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute & complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
04. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and remedying any defects wherein, a sum ofwithout VATbeing the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed in the Contract.

In Witness whereof the parties thereto have caused this Agreement to be executed the day and year aforementioned, in accordance with laws of Sri Lanka.

Authorized Signature of the Employer

Authorized Signature of the Contractor

.....
Employer
N.I.C:


.....
Contractor

Witness :


Witness :

1. Name :
Signature :
Address :
N.I.C :

1. Name :
Signature :
Address :
N.I.C :


Capital Works Division
Uva Wellassa University
Badulla


Section -3
CONDITIONS OF CONTRACT


Capital Works Division
Uva Wellassa University
Badulla

CONDITIONS OF CONTRACT


Conditions of Contract that will be applicable for this Contract is that given in Section- 3 of the Standard Bidding Document for Procurement of Works, CIDA Publication No. ICTAD/SBD/01, Second Edition – January 2007, published by the Construction Industry Development Authority (CIDA)

Conditions of Contract shall be read in conjunction with Contract Data


Capital Works Division
Uva Wellassa University
Badulla

Section - 4

FORM OF BID AND QUALIFICATION
INFORMATION


Capital Works Division
Uva Wellassa University
Badulla

Form of Bid

EXTENSION TO MAINTENANCE UNIT STAGE II FOR UVA WELLASSA UNIVERSITY

The Chairman
Procurement committee
Uva Wellassa University
Passara Road
Badulla

Gentleman,

1. Having examined the Standard Bidding Document - Procurement of Works [ICTAD/SBD/01 - Second Edition, January 2007], Specifications, Drawings and Bills of Quantities and Addenda for the execution of the above-named Works, we the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, Specifications, Drawings, Bills 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 acknowledge that the Contract Data forms part of our Bid.
3. We undertake, if our Bid is accepted, to commence the Works as stipulated in the Contract Data, and to complete the whole of the Works comprised in the Contract within the time stated in the Contract Data.
4. We agree to abide by this Bid for the period of* (*insert number of Days in accordance with Sub-Clause 15.1 of Instructions to Bidders*) Days from the date fixed for receiving 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.
6. We accept / we do not accept the Adjudicator.
7. We understand that you are not bound to accept the lowest or any Bid you may receive.

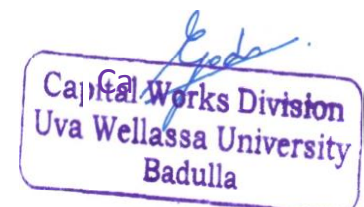
Dated this day of 20... in the capacity of duly authorized to sign tenders for and on behalf of

(IN BLOCK CAPITALS)

Signature :

Address :


Witness :




Qualification Information

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

ICTAD Registration	
Registration number	<i>(attach copies of relevant pages from the registration book)</i>
Grade	
Speciality	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	<i>(attach as annex)</i>
Legal status	<i>(attach relevant status copies, as annex)</i>
Value of Construction works performed in last 5 years	
<i>(attach copies of Certificate of Completion etc. and other documents such as profit-loss and income expenditure statement)</i>	
Year	
Year	
Year	
Year	
Year	
Value of similar works completed in last 10 years (indicate only the three largest projects)	1. Value Year
	2. Value Year
	3. Value Year
	<i>(attach copies of Certificate of Completion etc., as annex)</i>
Major items of construction equipment proposed	1. Type Capacity
	2. Type Capacity
	3. Type Capacity
	4. Type Capacity
	5. Type Capacity
Qualification and experience of key staff – Site & Head Office (Permanent, Contract basis & Consultants)	Technical: 1. 2. 3.
	Managerial: 1. 2. 3.
Other information requested under ITB Clause 4.1	

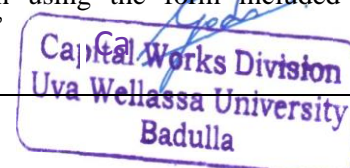

 Capital Works Division
 Uva Wellassa University
 Badulla

Section -5
SCHEDULE


Capital Works Division
Uva Wellassa University
Badulla


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 : Works Engineer Address: Uva Wellassa University, Passara Road, Badulla.
1 & 13	1.1.21	Summary of Works	The Works consists of: Building Construction & Services Located at :Uva Wellassa University Contract Name: Extension to Maintenance Unit Stage II Contract Number : UWU/CW/NCB/18/22
	1.1.14	Intended Completion Date	Intended Completion Date is 180 Days from the Starting Date
		Source of Funds	The source of funds is: GOSL
		Eligibility	The requirement is: - Not blacklisted and shall meet CIDA C6
2.		Documents of the Bid	Any other information
3.	10.10	Price Adjustment	Not Entitled
16		Bid Security / Bid Securing Declaration	<p><i>[Select one of the following options]</i></p> <p>Bid shall include a Bid Security:</p> <ul style="list-style-type: none"> • For an amount Rs. 165,000.00 • Issued by an agency acceptable to Employer using the form for bid security (unconditional guarantee) included in Section 9, Standard Forms. • Remain valid till 05th March 2019. <p>OR</p> <ul style="list-style-type: none"> • Bid shall include a Bid-Securing Declaration using the form included in Section 9.”



Capital Works Division
Uva Wellassa University
Badulla

31.	4.4	Performance Security	<p>Amount of Performance Security required is 5% of the Initial Contract Price.</p> <p>The form acceptable is: Bank Guarantee or Insurance Certificate and Construction Guarantee Fund.</p>
	6.4	Late Completion	The amount to be paid is 0.05 % of Initial Contract Price per Day, subjected to maximum of 5% of Initial Contract Price.
	8.1	Notification of Defects	The period for Defect Notification is 365 Days from Taking Over.
	10.3	Retention	<p>The amount of retention is 10 % of certified work done in interim bills.</p> <p>The maximum amount of retention is 5% of Initial Contract Price.</p>


 Capital Works Division
 Uva Wellassa University
 Badulla

ITB Clause	Conditions of Contract Clause	Item	Data
	10.12	Advance Payment	<p>Maximum of thirty percent (30%) of the contract sum (less any provisional sums & contingencies) against the submission of an acceptable advance payment guarantee.</p> <p>The advance payment shall be fully recovered before ninety percent (90%) of the payment are made to the contractor.</p> <p>Upon the payment of the advance payment in full the Employer shall return the original of the advance payment guarantee to the Contractor.</p>
	13.1 (c)	Insurance, third party	Minimum amount for third party insurance -
	13.1	Insurance for Contractor's Personnel	Minimum amount for Insurance for Contractor's Personnel is -
33.	1.1.11 14.0	Adjudicator Resolution of Disputes	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.

Section - 6
SPECIFICATIONS AND CONTRACT REQUIREMENT

SPECIFICATIONS

The works under this contract shall be executed in accordance with the Specifications given in the following documents issued by the Construction Industry Development Authority (CIDA), "Savsiripaya", 123, Wijerama Mawatha, Colombo 7.

Publication No.	Description
1. SCA/4	Building works (Volume I) - 3 rd Edition
2. SCA/4/11	Building works (Volume II) - 2 nd Edition

Section - 7
BILLS OF QUANTITIES

EXTENTION TO MAINTENANCE UNIT - STAGE II

TOTAL SUMMARY

Lower Ground Floor, Ground Floor ,First Floor

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

EXTENSION TO MAINTENANCE UNIT STAGE II
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		

EXTENSION TO MAINTENANCE UNIT Stage II**BILL OF QUANTITIES****FIRST FLOOR**

Boq No	Description	Unit	Qty	Rate(Rs.)	Total(Rs.)
	01)DEMOLISHER				
1.1	Allow for necessary surface treatment on old structure, to make bond with new structure , including necessary demolisings, ruber alisining etc.	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).	m	2.00		
2.2	225x150mm Lintels in 1:2:4(20mm) cement concrete including formwork (Reinforcement will be paid separately).	m	1.50		
2.3	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing).-Coloum	m ³	7.75		
2.4	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing). - roof beam	m ³	9.75		
	SUB TOTAL				
	03)FORMWORK				
3.1	Supplying, fabricating, fixing and removing formwork using 18 mm thick plywood sheets for Column Shafts.	m ²	101.00		

3.2	Supplying, fabricating, fixing and removing formwork using 18mm thick plywood sheets for Beams.	m ²	105.00		
	SUB TOTAL				
	04)REINFORCEMENT				
4.1	Supply, cutting, bending laying and binding with 16bwg binding wires Tor Steel Reinforements.	kg	2,682.00		
4.2	Supply, cutting, bending laying and binding with 16bwg binding wires mild Steel Reinforements.	kg	260.00		
	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	1.80		
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) - Toilet, blind wall	m ²	74.00		
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) - gable wall	m ²	9.50		
	SUB TOTAL				
	06)PAVIOR				
6.1	Application two coat of liquid polymer cement water proofing agent for flat roofs, concrete or masonry tanks, wet areas of toilets and bathrooms, exposed balconies, concrete gutters, etc. The water proofing material and the method of water proofing should be approved by the engineer.	m ²	51.00		

	SUB TOTAL				
	07)TILER				
7.1	Supplying and laying 600mmx600mm Polished 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 colour of tiles.(Colour, pattern and the quality should be approved by the engineer). Price range Rs.1500.00-Rs.1600.00	m ²	204.00		
7.2	Allow for tile adhesive	PS	1.00	110,000.00	110,000.00
7.3	Supplying and laying 300mmx300mm Non Skid Homogeneous 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 colour of tiles.(Colour, pattern and the quality should be approved by the engineer). Price range Rs.204.00-Rs.229.00	m ²	73.00		
7.4	Supplying and laying 300mmx600mm Glazed Ceramic Wall Tiles with exceptional quality, including 12mm thick tile bedding in 1:3 cement sand mortar and pointing with tile grout similar to the colour of tiles.(Colour, pattern and the quality should be approved by the engineer). Price range Rs.460.00-Rs.600.00	m ²	45.00		
7.5	Supplying and laying 100mm high Non Skid 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 colour of tiles.(Colour, pattern and the quality should be approved by the engineer). Price range Rs.170.00-Rs.175.00	m	32.00		

7.6	Supplying and laying approved quality stainless steel beading.	m	12.00		
7.7	Supplying and laying 100mm high Non Skid Homogeneous 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 colour of tiles.(Colour, pattern and the quality should be approved by the engineer). Price range Rs.230.00-Rs.235.00	m	46.00		
	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	133.00		
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	17.00		
8.3	16mm thick semi rough plaster for walls in 1:1:5 cement lime sand mix finished using trowel	m ²	54.00		
8.4	16mm thick semi rough plaster for walls in 1:1:5 cement lime sand mix finished using trowel	m ²	16.00		
8.5	10mm thick smooth plaster for concrete columns in 1:3 cement sand mix finished smooth with lime putty	m ²	44.00		
8.6	10mm thick smooth plaster for concrete columns in 1:3 cement sand mix finished smooth with lime putty at roof gutter level	m ²	8.00		

8.7	10mm thick rough plaster for concrete columns in 1:3 cement sand mix finished using sponge	m ²	52.00		
8.8	10mm thick rough plaster for concrete columns in 1:3 cement sand mix finished using sponge at roof gutter level	m ²	3.50		
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	98.00		
8.11	Preparing door or window reveals in 12mm thick 1:3 cement sand mortar as directed (0mm~ 100mm)	m	18.00		
8.13	Preparing door or window reveals in 12mm thick 1:3 cement sand mortar as directed (100mm~ 225mm)	m	16.00		
	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	3.00		
9.2	Supplying and laying 32mm (1") Type 1000 PVC pipes with all specials rate included presure testing etc.	m	15.00		
9.3	Supplying and laying 25mm (3/4") Type 1000 PVC pipes with all specials rate included presure testing etc.	m	10.00		

9.4	Supplying and laying 20mm (1/2") Type 1000 PVC pipes with all specials rate included presure testing etc.	m	100.00		
9.5	Supplying and laying 40mm (1 1/4") Type 1000 PVC pipes with all specials rate included presure testing etc.	m	50.00		
9.6	Supplying and laying 50mm (1 1/2") Type 600 PVC pipes with all specials rate included presure testing etc.	m	30.00		
9.7	Supplying and laying 110mm (4") Type 400 PVC pipes with all specials rate included presure testing etc.	m	145.00		
9.8	Supplying and fixing 25mm (1") gate valve - Brass	Nr	4.00		
9.9	Supplying and fixing 12mm (1/2") gate valve - Brass	Nr	4.00		
	SUB TOTAL				
	10)SANITARY FITTINGS (including ground floor)				
10.1	Supplying and fixing ceramic closed couple water closet (Commode) with seat cover, bidet shower, trap,12mm chromium plated angle valve, flexible horse etc to working order. Minimum 10 year warranty on ceramic ware to be available with manufacturers. (Ideal Standard, American Standard, British Standard or equivalent quality approved by the engineer) prime cost of,,ceramic closed couple water closet american & british-Rs. 38885.00	Nr	4.00		

10.2	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 & british - (price range Rs. 45,000.00 - Rs. 46,000.00)	Nr	4.00		
10.3	Supplying and fixing approved quality Chromium Plated Soap Tray as directed (Quality should be approved by the engineer)	Nr	4.00		
10.4	Supplying and fixing approved quality Chromium Plated Tooth Brush Holder as directed (Quality should be approved by the engineer)	Nr	4.00		
10.5	Supplying and fixing approved quality Chromium Plated 600mm Towel Rail as directed (Quality should be approved by the engineer)	Nr	4.00		
10.6	Supplying and fixing approved quality 450x600mm (rectangular or oval shaped) bathroom mirror as directed (Quality should be approved by the engineer)	Nr	4.00		
10.8	Supplying and fixing approved quality 40mm Bottle Trap as directed (Quality should be approved by the engineer)	Nr	4.00		
	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 presure testing etc.	m	26.40		
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	37.20		
11.4	Supplying and fixing 150x150mm Zink Aluminum colour coated down pipes as directed. Rate shall include all necessary nozzles, offsets, bends, clips,etc	m	28.00		
11.5	Supplying and fixing 0.47 mm thick & 225 mm wide colour coated Zink Aluminum metal sheets on valance boards , barge boards or fascia. (Quality and colour should be approved by the engineer) rate to include 200mm - 225 mm long bracket fixed to roof of 25mmx5mm section flat iron, painting with two coats of anti corrosive paint etc.	m	87.20		
11.6	Item allow for connecting belcony water with down pipe embedded in the column by providing PVC pipe (40-50 mm dia) includings Ts, all to complete.	item	1.00		
	SUB TOTAL				
	12. TINKER				
12.1	Supplying and fixing 0.47mm Zn/Al sheet 450mm wide flashing fixed with 150mm turned up along and top edge tucked well into wall in cement and lime mortar as directed	m	15.00		
	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 after applying lime putty and sand papering, applying plaster of Paris and preparing surface as directed.	m ²	281.00		
13.2	Applying one coat of approved quality wall primer and two coats of approved quality weather shield paint to new walls after applying lime putty and sand papering, applying plaster of Paris and preparing surface as directed.	m ²	341.00		
	SUB TOTAL				
	14) ELECTRICAL INSTALLATION				
14.1	Supplying and fixing approved quality lamp point 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 by the engineer. Rate shall include switch, sun box, ceiling rose, round block, holder etc. (Quality should be approved by the engineer) bulb will be paid seperately	Nr	45.00		
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 Warranty for Complete Product. Without any ROHS Complaints (Quality should be approved by the engineer)	Nr	45.00		

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	9.00		
14.4	<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)</p>	Nr	48.00		
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	3.00		
14.6	Allow for electrical power additional improvements	PS		100,000.00	100,000.00
	SUB TOTAL				
	15)ALUMINIUM WORKS				

15.1	Supplying, fabricating and fixing Shop front (1.2mm thick) aluminium frame with fixed glazed using approved quality powder coated aluminium extrusions with 5mm thick fixed glass as per detailed drawing no.15/17	m ²	167.50		
15.3	Supplying, fabricating and fixing 100mm (1.6mm thick) aluminium double swing door using approved quality powder coated aluminium extrusions with 5mm thick fixed glass on top, mid rail and bottom white board (2.5-3.0 mm), as per detailed drawing no.15/14 including door lock, butthings, gaskets, wool felt, beadings, flush bolt, threaded bar with nut roller, door handles, etc.	m ²	9.50		
15.4	Supplying, fabricating and fixing 100mm (1.6mm thick) aluminium single swing door using approved quality powder coated aluminium extrusions with 5mm thick fixed glass on top, mid rail and bottom 4mm thick clading (double side) as per detailed drawing no.15/12 including door lock, butthings , gaskets, wool felt, beadings, flush bolt, threaded bar with nut roller, door handle, etc. for rear external doors	m ²	5.70		
15.5	Supplying, fabricating and fixing 100mm (1.6mm thick) aluminium single swing door using approved quality powder coated aluminium extrusions with 5mm thick fixed glass on top, mid rail and bottom 4mm thick clading (double side) as per detailed drawing no.15/12 including door lock, butthings , gaskets, wool felt, beadings, flush bolt, threaded bar with nut roller, door handle, etc. for Toilet doors	m ²	5.05		

15.6	Supplying, fabricating and fixing 41mm (1.2mm thick) aluminium casement window using approved quality powder coated aluminium extrusions and 5mm thick glass as per detailed drawing no.15/04 including casement lock, screws, gaskets, hinges, weather strip, beadings,etc	m ²	39.00		
15.7	Supplying, fabricating and fixing 41mm (1.2mm thick) aluminium casement window with top louvers using approved quality powder coated aluminium extrusions and 5mm thick glass as per detailed drawing no.15/05 including casement lock, screws, gaskets, hinges, weather strip, beadings,etc	m ²	2.00		
15.8	Supplying, fabricating and fixing 41mm (1.2mm thick) aluminium casement window with top louvers using approved quality powder coated aluminium extrusions and 5mm thick glass as per detailed drawing no.15/05 including casement lock, screws, gaskets, hinges, weather strip, beadings,etc	m ²	4.50		
15.9	Supplying and fixing approved quality door closer	Nr	9.00		
	SUB TOTAL				
	16) Roofer				
16.1	Supplying and roofing with 0.47mm thick colour coated Zink Aluminum metal roofing sheets on 100x50x2mm galvanized lip panel frame work with all specials (Brand, Profile and Colour of the sheets should be approved by the engineer).	m ²	352.00		

16.2	Supplying and laying approved quality double side 3 -4mm thick Aluminum Foil and 3"x3" mesh(Gauge 17) with necessary fasteners, etc.as directed (Quality of foil and mesh should be approved by the engineer).	m ²	352.00		
16.3	Supplying, fabricating and fixing Steel Roof Web Truss of 450mm wide using 50x50x5.8 mm double angle iron main bars and 50x50x5.8 mm angle iron distribution bars as per detailed drawing no. 05 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	38.00		
16.4	Allow for additional roofings 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 colour of the roof. Rate shall include all necessary fasteners, etc.	m	18.50		
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 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. including treating timber with wood preservative and two coats of enamel paint	m	56.50		
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 horizonatal rails uprights with 50mm at 1m internal including base plates, welding and one earth of each primer and 2 coats of anticorrosine paint all to complete	m	65.00		
18.2	Item allow for stair case	PS	1.00	250,000.00	250,000.00
	SUB TOTAL				
	19) Miscellaneous work				
19.1	Item allow for front flower trough	PS	1.00	30,000.00	30,000.00
	SUB TOTAL				
	20) Ceiling Works				
20.1	Supply & Installation of I -Panel Ceiling (Quality and colour shall be approved by the Engineer) With Roof Structure	m ²	333.00		
	SUB TOTAL				
	TOTAL AMOUNT				

EXTENSION TO MAINTENANCE UNIT STAGE II

SUMMARY SHEET

GROUND FLOOR

ITEM	DESCRIPTION	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	PLASTERER	
11.0	PLUMBER	
12.0	SANITARY FITTINGS	
13.0	PAINTER AND DECORATOR	
14.0	ELECTRICAL INSTALLATION	
15.0	ALUMINIUM WORKS	
TOTAL OF GROUND FLOOR		

EXTENSION TO MAINTENANCE UNIT STAGE II

BILL OF QUANTITIES

GROUND FLOOR

BOQ NO	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT(RS.)
	01)DEMOLISHER				
1.1	Allow for Necessary surface treatment on old structure to make bond with new structure including necessary demolishing,rebar,alining etc.	item	1.00		
	SUB TOTAL				
	02)EXCAVATION				
2.1	Excavation 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). TOP SOIL REMOVAL	m ³	2.30		
2.2	Excavation for Foundation in any material except rock requiring blasting, part return filling with available soil and ram and depositing surplus materials within the site as directed -Depth 0~1.5m (Bank volume).	m ³	9.00		
2.3	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 m ³ .)	m ³	6.00		
	SUB TOTAL				
	03)CONCRETER				
3.1	Mixing, placing, vibrating and curing 1:3:6(25mm) concrete (Machine mixing).	m ³	0.60		

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	1.00		
3.4	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing). Footing	m ³	1.44		
3.5	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing). columns	m ³	2.45		
3.6	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing). tie beams	m ³	2.70		
3.7	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing). On ground slab	m ³	3.00		
3.8	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing). FOR DRAIN TO CONTINUE.	m ³	0.12		
3.9	Removing existing concrete drain panels replacing to new level and forming provision at new drain level	Item	1.00		
3.10	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing).	m ³	0.06		
3.11	Existing new concrete drain panel to level.	Item	1.00		

3.13	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing). Beam	m ³	4.00		
3.14	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing). slab	m ³	6.00		
3.15	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing). Rear facia	m ³	0.35		
	SUB TOTAL				
	04)FORMWORK				
4.1	Supplying, fabricating, fixing and removing formwork using 18 mm thick plywood sheets for Column Footings.	m ²	5.00		
4.2	Supplying, fabricating, fixing and removing formwork using 18 mm thick plywood sheets for Column Shafts.	m ²	33.00		
4.4	Supplying, fabricating, fixing and removing formwork using 18mm thick plywood sheets for tie Beams.	m ²	22.00		
4.5	Supplying, fabricating, fixing and removing formwork using 18mm thick plywood sheets for Beams.	m ²	49.00		
4.6	Supplying, fabricating, fixing and removing formwork using 18 mm thick plywood sheets for Slabs.	m ²	40.00		

4.7	Supplying, fabricating, fixing and removing formwork using 18mm thick plywood sheets for facia	m ²	16.00		
SUB TOTAL					
05)REINFORCEMENT					
5.1	Supplying, cutting, bending, laying and binding (with 16 BWG binding wires) Mild Steel Reinforcement to beams, , columns, stair cases, etc (Diameter equal to 6mm).	kg	202.00		
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	2,012.00		
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	1.08		
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	22.40		
SUB TOTAL					
07)MASONRY WORK					
7.1	Random Rubble Masonry work for foundations in 1:5 cement, sand mortar using 150mm x 225 mm approved quality rubble.	m ³	1.00		
7.2	20 mm thick DPC in 1:3 cement sand mix finished with two coats of DPC tar and blinded with sand.	m ²	2.00		
SUB TOTAL					

	08)PAVIOR				
8.1	Application two coat of liquid polymer cement water proofing agent for flat roofs, concrete or masonry tanks, wet areas of toilets and bathrooms, exposed balconies, concrete gutters, etc. The water proofing material and the method of water proofing should be approved by the engineer.	m ²	4.00		
	SUB TOTAL				
	09)TILER				
9.1	Supplying and laying 600mmx600mm Polished 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 colour of tiles.(Colour, pattern and the quality should be approved by the engineer). Price range Rs.1500.00-Rs.1600.00	m ²	12.00		
9.2	Allow for adhesive	PS	1.00	10,000.00	10,000.00
9.3	Supplying and laying 300mmx300mm Non Skid Homogeneous 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 colour of tiles.(Colour, pattern and the quality should be approved by the engineer). Price range Rs.204.00-Rs.229.00	m ²	78.00		
9.5	Supplying and laying 100mm high Non Skid 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 colour of tiles.(Colour, pattern and the quality should be approved by the engineer).Price range Rs.170.00-Rs.175.00	m	3.50		
9.6	Supplying and laying approved quality stainless steel beading.	m	1.00		
	SUB TOTAL				

	10)PLASTERER				
10.1	16mm thick smooth plaster for walls in 1:1:5 cement lime sand mix finished smooth with lime putty	m2	10.00		
10.2	16mm thick semi rough plaster for walls in 1:1:5 cement lime sand mix finished using trowel	m2	10.00		
10.3	10mm thick smooth plaster for concrete columns in 1:3 cement sand mix finished smooth with lime putty	m2	3.72		
10.4	10mm thick rough plaster for concrete columns in 1:3 cement sand mix finished using sponge.	m2	4.50		
10.5	10mm thick semi rough plaster for concrete columns in 1:3 cement sand mix finished using trowel	m2	75.00		
10.6	10mm thick smooth soffit plaster for concrete slabs, beams and stair cases in 1:3 cement sand mix finished smooth with lime putty	m2	34.00		
10.7	Preparing door or window reveals in 12mm thick 1:3 cement sand mortar as directed (0mm~ 100mm)	m	5.30		
10.8	Preparing door or window reveals in 12mm thick 1:3 cement sand mortar as directed (100mm~ 225mm)	m	1.00		
	SUB TOTAL				
	11.0)PLUMBER				
11.1	Supplying and laying 20mm (1/2") Type 1000 PVC pipes with all specials rate included presure testing etc.	m	20.00		

11.2	Supplying and laying 40mm (1 1/4") Type 1000 PVC pipes with all specials rate included presure testing etc.	m	20.00		
	SUB TOTAL				
	12)SANITARY FITTINGS				
12.1	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 & british-(price range Rs. 45,000.00- Rs.46,000.00)	Nr	1.00		
12.2	Supplying and fixing approved quality Chromium Plated Soap Tray as directed (Quality should be approved by the engineer)	Nr	1.00		
12.3	Supplying and fixing approved quality 40mm Bottle Trap as directed (Quality should be approved by the engineer)	Nr	1.00		
	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 after applying lime putty and sand papering, applying plaster of Paris and preparing surface as directed.	m2	52.00		

13.2	Applying one coat of approved quality wall primer and two coats of approved quality weather shield paint to new walls after applying lime putty and sand papering, applying plaster of Paris and preparing surface as directed.	m2	90.00		
	SUB TOTAL				
	14)ELECTRICAL INSTALLATION				
14.1	Supplying and fixing approved quality lamp point wired through a 5 Amp switch using 2x1/1.13mm Cu\PVC\PVC (1sq.mm) wires in fully concealed PVC conduits or surface plastic casing and capping as directed. Rate shall include switch, sun box, ceiling rose, holder, etc (Quality should be approved by the engineer) bulb will be paid separately.	Nr	4.00		
14.2	Supply and fixing of ceiling mounted 12 LED bulbs. Quality of thebulbs shall be approved by the Engineer. The contractor shall provide 12 months warrenty for the bulbs	Nr	4.00		
14.3	Supplying and fixing approved quality 1200mm sweep ceiling fan with fan regulator 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 or surface plastic casing and capping as directed. KDK(Original), USHA (Original) or equivalent approved by the engineer.prime cost of fan =R.s.7500	Nr	1.00		
14.4	Supplying and fixing approved quality 13 Amp socket outlet wired through 7/.67mm Cu/pvc/pvc(2.5sq.mm) wires and 1x7/.67mm Cu/PVC(2.5sq.mm) earth wire in fully concealed PVC conduits, with all specials, embedded in walls or surface plastic casing can be used with approved condition. (Quality should be approved by the Engineer)	Nr	3.00		

14.5	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. (Supplying 7/0.67mm Cu\PVC\PVC(T)-2.5sq.mm wire will be paid separately), (Quality should be approved by the engineer)	Nr	1.00		
14.6	Allow for necessary power requirement to complete power supply	PS	1.00	6,000.00	6,000.00
	SUB TOTAL				
	15)ALUMINIUM WORKS				
15.1	Supplying, fabricating and fixing Shop front (1.2mm thick) aluminium frame with fixed glazed using approved quality powder coated aluminium extrusions with 5mm thick fixed glass	m ²	9.98		
15.2	removing safety shop front partition area of (4m x 3.5 m) and fixing in another location with providing necessary items all to complete	Item	1.00		
15.3	Supplying, fabricating and fixing 100mm (1.6mm thick) aluminium single swing door using approved quality powder coated aluminium extrusions with 5mm thick fixed glass on top, mid rail and bottom 4mm thick clading (double side) as per detailed drawing no.15/12 including door lock, butthings , gaskets, wool felt, beadings, flush bolt, threaded bar with nut roller, door handle, etc. side ext door	m ²	1.80		

15.4	Supplying, fabricating and fixing 100mm (1.6mm thick) aluminium single swing door using approved quality powder coated aluminium extrusions with 5mm thick fixed glass on top, mid rail and bottom 4mm thick clading (double side) as per detailed drawing no.15/12 including door lock, butthings , gaskets, wool felt, beadings, flush bolt, threaded bar with nut roller, door handle, etc. Ext door rear side	m ²	2.00		
15.5	Supplying and fixing approved quality door closer	Nr	3.00		
	SUB TOTAL				
	TOTAL AMOUNT				

**EXTENTION TO MAINTENANCE UNIT STAGE II
SUMMARY SHEET
LOWER 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		

EXTENSION TO MAINTENANCE UNIT STAGE II

BILL OF QUANTITIES

LOWER GROUND FLOOR

BOQ NO	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT(RS.)
	01)DEMOLISHER				
1.1	Allow for Necessary surface treatment on old structure to make bond with new structure including necessary demolishing,rebar,alining etc.	item	1.00		
	SUB TOTAL				
	02)EXCAVATION				
2.1	Excavation 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). TOP SOIL REMOVAL	m ³	22.00		
2.2	Excavation for Foundation in any material except rock requiring blasting, part return filling with available soil and ram and depositing surplus 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, part return filling with available soil and ram and depositing surplus materials within the site as directed - Depth 0~1.5m (Bank volume).	m ³	10.00		
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	10.00		

2.5	Allow For transport of available soil	m ³	10.00		
SUB TOTAL					
03)CONCRETER					
3.1	Mixing, placing, vibrating and curing 1:3:6(25mm) concrete (Machine mixing).	m ³	1.00		
3.2	112x150mm Lintels in 1:2:4(20mm) cement concrete including formwork (Reinforcement will be paid separately).	m	3.00		
3.3	225x150mm Lintels in 1:2:4(20mm) cement concrete including formwork(Reinforcement will be paid separately).	m	2.00		
3.4	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing). Man hole cover	m ³	0.50		
3.5	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing). Footings	m ³	1.35		
3.6	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing). Columns	m ³	0.95		
3.7	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing). tie beams	m ³	1.60		
3.8	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing). On ground slab	m ³	1.25		
3.10	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing). Beams	m ³	2.40		

3.11	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing). slab	m ³	3.65		
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	6.00		
3.13	Supplying and placing 75mm thick Slab over drains in 1:2:4(20mm) concrete reinforced with Y10@ 150mm c/c both ways. Rate shall include reinforcement and necessary formwork.	m ²	3.60		
3.14	Mixing, placing, vibrating and curing 1:1½:3(20mm) concrete (Machine mixing).	m ³	0.10		
	SUB TOTAL				
	04)FORMWORK				
4.1	Supplying, fabricating, fixing and removing formwork using 18 mm thick plywood sheets for Column Footings .	m ²	3.80		
4.2	Supplying, fabricating, fixing and removing formwork using 18 mm thick plywood sheets for Column Shafts .	m ²	13.00		
4.3	Supplying, fabricating, fixing and removing formwork using 18mm thick plywood sheets for Beams .	m ²	9.00		
4.4	Supplying, fabricating, fixing and removing formwork using 18 mm thick plywood sheets for Stair Cases .	m ²	1.00		

4.5	Supplying, fabricating, fixing and removing formwork using 18mm thick plywood sheets for Beams .	m ²	8.50		
4.6	Supplying, fabricating, fixing and removing formwork using 18 mm thick plywood sheets for Slabs .	m ²	30.00		
4.7	Supplying, fabricating, fixing and removing formwork using 18mm thick plywood sheets for Beams .	m ²	16.00		
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-10mm).	kg	122.00		
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	1,220.00		
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	1.80		
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	6.50		
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	27.00		

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	27.00		
	SUB TOTAL				
	09)TILER				
9.1	Supplying and laying 400mmx400mm matt ceramic floor tiles ewithexcepttional quality including 12mm thick tile bed in1:3cement sand mortar and pointing with tile grout similar to the color of the tile . Color pattern quality shall be approved by the engineer. Price rang - Rs 325-330.00	m ²	15.00		
9.2	Supplying and laying 100mm high Non Skid 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 colour of tiles.(Colour, pattern and the quality should be approved by the engineer). price range Rs.135.00-Rs.140.00	m	10.00		
9.3	Supplying and laying approved quality stainless steel beading.	m	3.50		
9.4	16mm thick cement rendering in 1:3 cement sand mortar finished smooth with cement floating	m ²	12.00		
	SUB TOTAL				
10.0	10)ALUMINIUM WORKS				
10.1	Supplying, fabricating and fixing 100mm (1.6mm thick) aluminum single door with louvers on top door using approved quality powder coated aluminum extrusions with 5mm thick fixed glass on top, mid rail and bottom 4mm thk cladding on double side including door lock, gaskets, wool felt, beadings, flush bolt, threaded bar with nut roller, door handles, etc.	m ²	3.00		

10.2	Supply and installation of ZN/Al.47mm rollar shutter with all specials. .(Colour, pattern and the quality should be approved by the engineer).Warrenty of 2yr shall be provided.	m ²	9.00		
10.3	Supplying and sticking sand blast sticker with all to complete	m ²	3.30		
	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	16.20		
	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	15.00		
12.2	16mm thick semi rough plaster for walls in 1:1:5 cement lime sand mix finished using trowel	m ²	15.00		
12.3	20mm thick plinth plaster in 1:3 cement sand mix finished smooth with cement floating	m ²	17.00		
12.4	Preparing door or window reveals in 12mm thick 1:3 cement sand mortar as directed (0mm~ 100mm)	m	12.00		
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	30.00		

	SUB TOTAL				
	13)PLUMBER				
13.1	Supplying and laying 20mm (1/2") Type 1000 PVC pipes with all specials	m	20.00		
13.2	Supplying and laying 40mm (1 1/4") Type 600 PVC pipes with all specials	m	20.00		
	SUB TOTAL				
	14)SANITARY FITTINGS				
14.1	Supplying and fixing Lanka Ceramic Ltd. manufactured or equivalent approved quality 550mmx400mm pedestal type Ceramic wash basin with 12mm heavy quality chromium plated pillar tap, waste plug, water supply and waste water connection as directed (Quality of wash basin should be approved by the engineer)	Nr	1.00		
14.2	Supplying and fixing approved quality Chromium Plated Soap Tray as directed (Quality should be approved by the engineer)	Nr	1.00		
14.3	upplying and fixing approved quality Chromium Plated 600mm Towel Rail as directed (Quality should be approved by the engineer)	Nr	1.00		
14.4	Supplying and fixing approved quality 450x600mm (rectangular or oval shaped) bathroom mirror as directed (Quality should be approved by the engineer)	Nr	1.00		
	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	2.00		
	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 after applying lime putty and sand papering, applying plaster of Paris and preparing surface as directed.	m2	43.80		
16.2	Applying one coat of approved quality wall primer and two coats of approved quality weather shield paint to new walls after applying lime putty and sand papering, applying plaster of Paris and preparing surface as directed.	m2	43.80		
	SUB TOTAL				
	17)ELECTRICAL INSTALLATION				
17.1	Supplying and fixing approved quality lamp point wired through a 5 Amp switch using 2x1/1.13mm Cu\PVC\PVC (1sq.mm) wires in fully concealed PVC conduits or surface plastic casing and capping as directed. Rate shall include switch, sun box, ceiling rose, holder, etc (Quality should be approved by the engineer) bulb will be paid separately.	Nr	4.00		
17.2	Supply and fixing of ceiling mounted 12 LED bulbs. Quality of thebulbs shall be approved by the Engineer. The contractor shall provide 12 months warrenty for the bulbs	Nr	4.00		
17.3	Supplying and fixing approved quality 1200mm sweep ceiling fan with fan regulator 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 or surface plastic casing and capping as directed. KDK(Original), USHA (Original) or equivalent approved by the engineer.prime cost of fan =R.s.7500	Nr	1.00		

17.4	Supplying and fixing approved quality 13 Amp socket outlet wired through 7/.67mm Cu/pvc/pvc(2.5sq.mm) wires and 1x7/.67mm Cu/PVC(2.5sq.mm) earth wire in fully concealed PVC conduits, with all specials, embedded in walls or surface plastic casing can be used with approved condition. (Quality should be approved by the Engineer)	Nr	3.00		
17.5	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. (Supplying 7/0.67mm Cu\PVC\PVC(T)-2.5sq.mm wire will be paid separately), (Quality should be approved by the engineer)	Nr	1.00		
17.6	Allow for necessary power requirement to complete power supply	PS	1.00	6,000.00	6,000.00
	SUB TOTAL				
	TOTAL AMOUNT				

Total amount in words (Without VAT) :

.....

Total amount in words (With VAT) :

.....

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

Section -8
STANDARD FORMS (BID)

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]*

The Chairman
Procurement committee
Uwa 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 *[insert name of Contract]* under Invitation for Bids No. ----- *[insert IFB number]* ("the IFB").

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 of authorized representative(s)]

PREAMBLE TO BILL OF QUANTITIES

1. In the Bill of Quantities, the item description identifies the work covered by the respective items, but the exact nature, location and extent of the work to be performed is to be ascertained by references to the Drawings, Specification and Conditions of Contract as the case may be, read in conjunction with the relevant measurement clauses and confirmed by the Engineer.
2. The rates and prices entered in the Bill of Quantities shall be deemed to be the full inclusive value of the Works covered by the items in the Bill of Quantities including but not limited to the following unless expressly stated otherwise:
 - (a) The supply of labour equipment and all costs in connection therewith:
 - (b) The supply of materials, goods, storage, handling and cost in connection therewith including waste and delivery to site:
 - (c) Setting out, providing and maintaining of all survey markers, monuments etc.
 - (d) Establishment and operation of all types of quarries borrow pits etc. and their maintenance and reinstatement of these including expenses connected with royalties, compensation etc.
 - (e) Testing of materials including transport, sampling and submission of test reports.
 - (f) All temporary works.
 - (g) Repairs to any damages caused due to weather or other effects.
 - (h) Maintenance of the works and portions of the site taken over by the Contractor.
 - (i) All general obligations, liabilities and risks involved in the execution of the Works as set out in the Contract Documents:
 - (j) Establishment charges, overheads and profits.
 - (k) All duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, prevailing 28 days prior to the closing date for Submission of Tenders.
3. A price or rate shall be entered against each quantified or lump sum item, schedule etc., in the Bill of Quantities. The value of items, for which quantities are given, against which no price is entered shall be considered to be covered by or included in other prices or rates in the Bill of Quantities.

4. A rate shall not be entered against items for which quantities are not provided.
5. Value Added Tax (VAT) shall not be included in the rates or prices to be quoted. A provision shall be made for VAT in the summary sheet of the Bill of Quantities (BOQ). VAT shall not be considered in the evaluation of Bids.
6. A tender which groups several items together in the Bill of Quantities under one price, will not be accepted.
7. The quantities set out in the Bill of Quantities are the estimated quantities for the Works and they are not to be taken as actual and correct quantities of the Works to be executed by the Contractor in fulfilment of the obligations under the Contract. They are given in order that tenders submitted may be evaluated on an equal basis.
8. The Engineer shall, except as otherwise stated, ascertain and determine the value of the Works by measuring net in the units of Bills of Quantities such actual quantities of Permanent Works as have executed strictly in accordance with the Contract Documents or further instructions issued in writing by the Engineer. No Works shall be valued which have been executed in excess of the dimension shown on the Drawings or ordered by the Engineer. In particular no working space, temporary works or the operation of constructional plant will be considered unless otherwise directed or shown or detailed in the Contract Documents and Drawings. The measurement of all completed Works shall be as detailed in the Specification and elsewhere in the Contract Documents. The quantity of Work satisfactorily completed under the various items of the Bill of Quantities shall be agreed between the Contractor and the Engineer. Failing such agreement, the quantities as determined by the Engineer shall be final and binding on the Contractor and payment shall be made accordingly.
9. Items marked "Provisional" in the Bills of Quantities are provisional and shall not be executed unless instructed by the Engineer. They may be expended wholly or in part as instructed by the Engineer.
10. Unless otherwise provided measurements for structures shall be in accordance with dimensions shown on the Drawings or as determined by the Engineer.

While computing volumes for excavation, embankment and borrow, the average end area method shall be applied and the intervals of sections, unless specified, shall be agreed by the Contractor and the Engineer as reasonably representing the shape.

Unless otherwise provided, all items for linear metre such as pipes, guard rails etc. shall be measured parallel to the base or foundation upon which such structures are placed.

Where the Pay Unit for any structure is specified as a lump sum, such lump sum will be payable in respect of each specified structure constructed. The Contractor shall submit a schedule showing the breakdown for stage payment of all Lump sum items for the approval of the Engineer. The engineer shall accept or vary the Contractor's submission and his decision on the breakdown of Lump Sum items shall be final.

Where units of measurements are given in months or weeks, the rate quoted shall be for a full calendar month or week. A part of a month or of a week shall be determined based on the number of calendar days in the particular month or week under consideration.

11. The substitution of equivalent imperial dimensions for those specified will be allowed subject to the approval of the Engineer. The rates stated in the Tender shall be deemed to apply to materials to the specified dimension, unless the Contractor states at the time of tender his intention to use imperial equivalents. Subsequent to the Tender, rates shall be deemed to cover such equivalents. Subsequent to the Tender any items to alternative dimension submitted by the Contractor shall be subject to the Engineer's approval but in no case will an alternative involving increase in the Contract Price be accepted.
12. The units of measurement described in the Bill of Quantities are metric units. Abbreviations used in the Bill of Quantities are as follows:

km	Kilometre
L. m.	Linear metre
cm	Centimetre
mm	Millimetre
Sq. m.	Square metre
Cu. m.	Cubic metre
Nos.	Number
kg	Kilogram
M.T.	Tonne (1000 Kilograms)
Ltr.	Litre
ha.	Hectare
hrs.	Hours
L.S.	Lump Sum
P.S.	Provisional Sum
km. wk	Kilometre Week

13. Separate items are not provided for the following which are deemed to be included in the Contract Price :
 - (a) Cost of negotiations for any land required by the Contractor in addition to that made available to him free of charge;
 - (b) The subsequent removal of the Contractor's site accommodation and quarrying facilities and the reinstatement of the area on completion of the Contract;
 - (c) Water supply and services.

14. The schedule of Rates for Labour, Equipment and Materials for Day works shall be for Payment for Works instructed to be performed under the provisions of Contract Conditions. The rates shall be payable only for actual labour and equipment time worked and materials used

The Rates for Labour and equipment shall include all supervision, tools, consumables (including fuel and lubricants), overtime premiums, overheads, profit and all other costs. The rates for equipment shall include provision of driver, operator or attendant, servicing and maintenance. Actual working time of equipment shall not include periods when the equipment is idling or is broken down (i.e. non-operational)

The Rates for Material shall be the cost of purchase, including any customs duty, freight, handling, transportation and all expenses incurred bringing the material to site but exclusive of VAT. Payment for materials actually used in Day works shall be at the schedule Unit Rates and at the percentage rate stated which shall be in respect of all other costs incurred and profit. The percentage rate is applicable to the Materials rate only and is not applicable to Labour or Equipment Rates

15. In the event the Contract overruns the stipulated contract period due to any fault of the Contractor, and it is required to continue with the contract for an extended period, all facilities required for the Engineer and his staff, such as office, housing, vehicles, laboratory testing facilities etc., shall continue to be provided by the Contractor at his own cost. Cost of all extensions required for Insurance, Bonds etc. shall be borne by the Contractor.
16. The Contractor shall deemed to have satisfied himself as to the correctness and to the sufficiency of his rates and prices quoted in the Bill of Quantities, all of which shall, except in so far as it is otherwise provided in the contract, cover all his obligations under the contract and all matters and things necessary for the proper execution and completion of the works and the remedying of any defects.

Check List for Bidders

Bidders are advised to fill the following table:

ITEM	ITB Clause	YES (tick)	REFERANCE
Form of Bid			
Addressed to the Employer?	18		
Completed?	18		
Signed?	18		
Bid Security (if required)			
Addressed to the Employer?	16		
Format as required?	16		
Issuing Agency as specified?	16		
Amount as requested?	16		
Bid validity date	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 packages?	19		
Environmental Safety Requirements			
Properly filed Environmental Safeguard checklist			

Date:.....

Signature of Bidder:.....

Section – 9
DRAWINGS