



**University of Venda**  
*Creating Future Leaders*

**KCMQS PROJECT NO. N1004**

**Renovation and Upgrading of Mango Groove Residence at the University  
of Venda, Thohoyandou, Limpopo Province  
(CIDB GRADING NO: 4GB)  
VOLUME 2 OF 2**

**PROCUREMENT DOCUMENT**

(Based on NEC3 Engineering and Construction Contract)

Date of Issue: 25 June 2021

**Issued by:**

Director Facilities Management

**University of the Venda, Thohoyandou**

**Name of tenderer:** .....

**Telephone Number:** .....

**Email Address:** .....

**Fax Number:** .....

**Cellphone Number:** .....

**Closing date: AS PER TENDER INVITATION**



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# **PREAMBLES FOR TRADE**

**PREAMBLES FOR TRADES**

**1. MODEL PREAMBLES FOR TRADES**

The "Specification of Materials and Methods to be used - PW371" as issued by the Department of Public Works shall apply and shall be deemed to be incorporated herein.

The Bidders are referred to the above-mentioned document for the full description of materials to be used and work to be executed.

A copy of the above-mentioned document is available at the offices of the Principal Agent for inspection.

**2. VARIATIONS AND/OR ADDITIONS TO MODEL PREAMBLES FOR TRADES**

2.1 All work to be done in accordance to the detailed specification as per the Engineers and Architects drawings.

2.2 Where variations and/or additions to Model Preambles differ from Clauses contained in the "Specification of Materials and Methods to be used - PW371", the variations and/or additions to Preambles shall take precedence.

**3. MATERIALS AND WORKMANSHIP**

Materials and workmanship shall be the best of their respective kinds. Only undamaged materials may be used in the works. Work shall be to the satisfaction of the Architect/Engineer and shall be executed in accordance with good building practice and the relevant Manufacturer's instruction. Where the term "approved" is used in connection with materials and workmanship, it shall mean that such materials shall be to the approval, instructions or choice of the Architect.

**4. STANDARD SPECIFICATIONS**

Materials and Workmanship shall comply with the Standard Building Regulations (SBR), National Building Regulations (NBR), SABS1200, the specifications and codes of practice of the South African Bureau of Standards, and CSIR recommendations. In cases of variance, these "Specification of Materials and Methods to be used - PW371" and any supplementary preambles thereto shall have precedence over the above-mentioned regulations, specifications and codes of practice. In cases of variance between the SBR and NBR, the NBR shall have precedence.

The latest issues of the above-mentioned regulations, specifications and codes of practice, as well as those of any other specifying body, to which reference is made, shall be applicable.

References to standard specifications and/or building regulations in these "Specification of Materials and Methods to be used - PW371" are for the information of the Contractor and shall in no way relieve him of his obligations under the Contract.

# **SECTION 1: PRELIMINARIES**

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

Item  
No

Quantity

Rate

Amount

**SECTION 1**

**BILL NO. 1**

**PRELIMINARIES**

i) The NEC3 Engineering and Construction Contract Option B: Priced contract with bill of quantities (Third edition of June 2005) in conjunction with the Contract Data is taken to be incorporated herein

ii) The tenderer is deemed to have taken cognizance of the above mentioned documents for the full intent and meaning of each clause. These clauses are referred to by clause number and heading only

iii) The amount of Preliminaries to be included in each monthly payment certificate shall be assessed as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the total of prices excluding any contingency sum and the amount for Preliminaries

iv) Where the initial contract period is extended, the monthly charge shall be calculated on the basis as set out in (iii) but taking into account the revised period for completing the works

v) The amount or the items of the Preliminaries are adjusted to take account of the theoretical financial effect which changes in time or value (or both) have on this section. Such adjustments shall be based on adjustments in the following categories as recorded in the Bills of Quantities:

- a) an amount which is not varied, namely fixed
- b) an amount which is varied in proportion to the contract value, namely value related; and
- c) an amount which is varied in proportional to the construction period as compared to the initial construction period excluding revisions to the construction period for which the contractor is not entitled to adjustment in terms of the contract, namely Time Related

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**RENOVATION AND UPGRADING OF  
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Where no provision is made in Bills of Quantities to indicate which of the three categories in (v) apply or where no selection is made, the adjustments shall be based on the following breakdown:

- a) 10 percent is Fixed
- b) 15 percent is Value related
- c) 75 percent is Time Related

The adjustments of the Preliminaries shall apply notwithstanding the actual employment of resources in the execution of the works. The contract value used for the adjustment of the Preliminaries shall exclude any contingency sum and the amount for Preliminaries

**SECTION A: CONDITIONS OF CONTRACT**

**CORE CLAUSES**

**GENERAL**

**Action (clause 10)**

Actions (clause 10.1)

Fixed Related	Item
Value Related	Item
Time Related	Item

**Identified and defined terms (clause 11)**

Condition of contract (clause 11.1)

Fixed Related	Item
Value Related	Item
Time Related	Item

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	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>Design of Equipment (clause 23)</u></b>			
Design of Equipment (clause 23.1)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>People (clause 24)</u></b>			
People (clause 24.1 - 24.2)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>Working with the Employer and Others (clause 25)</u></b>			
Working with the Employer and Others (clause 25.1 - 25.3)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
	<b>Carried to Collection</b>		<b>R</b>
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<b><u>Sub-contracting (clause 26)</u></b>				
Sub-contracting (clause 26.1 - 26.3)				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
<b><u>Other responsibilities (clause 27)</u></b>				
Other responsibilities (clause 27.1 - 27.4)				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
<b><u>TIME</u></b>				
<b><u>Starting, Completion and Key dates (clause 30)</u></b>				
Starting date (clause 30.1)				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
Completion date (clause 30.2)				
	Fixed Related	Item		
	Value Related	Item		
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**RENOVATION AND UPGRADING OF  
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	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>Testing and inspections before delivery (Clause 41)</u></b>			
Testing and inspection before delivery (clause 41.1)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>Searching for and notifying Defects (Clause 42)</u></b>			
Searching for and notifying Defects (Clause 42.1 - 42.2)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>Correcting Defects (Clause 43)</u></b>			
Correcting Defects (Clause 43.1 - 43.4)			
	Fixed Related	Item	
	Value Related	Item	
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	Time Related	Item	
<b><u>Accepting Defects (clause 44)</u></b>			
Accepting Defects (clause 44.1 - 44.2)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>Uncorrected Defects (clause 45)</u></b>			
Uncorrected Defects (clause 45.1 - 45.2)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>PAYMENT</u></b>			
<b><u>Assessing the amount due (clause 50)</u></b>			
Assessing the amount due (clause 50.1 - 50.5)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
	<b>Carried to Collection</b>		R
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**RENOVATION AND UPGRADING OF  
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<b><u>Compensation events (clause 60)</u></b>			
Compensation events (clause 60.1 - 60.7)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>Notifying compensation events (clause 61)</u></b>			
Notifying compensation events (clause 61.1 - 61.7)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>Quotation for compensation events (clause 62)</u></b>			
Quotation for compensation events (clause 62.1 - 62.6)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
	<b>Carried to Collection</b>		R

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<b><u>Assessing compensation events (clause 63)</u></b>		
Assessing compensation events (clause 63.1 - 63.13)		
Fixed Related	Item	
Value Related	Item	
Time Related	Item	
<b><u>The Project Manager's assessment (clause 64)</u></b>		
The Project Manager's assessment (clause 64.1 - 64.4)		
Fixed Related	Item	
Value Related	Item	
Time Related	Item	
<b><u>Implementing compensation events (clause 65)</u></b>		
Implementing compensation events (clause 65.1 - 65.4)		
Fixed Related	Item	
Value Related	Item	
Time Related	Item	
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<b><u>TITLE</u></b>			
<b><u>The Employer's title to Plant and Materials (clause 70)</u></b>			
Plant and Materials outside the working area (clause 70.1)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
Plant and Materials within the working area (clause 70.2)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>Marking Equipment, Plant and Materials outside Working Areas (clause 71)</u></b>			
Marking Equipment, Plant and Materials outside Working Areas (clause 71.1)			
	Fixed Related	Item	
	Value Related	Item	
	<b>Carried to Collection</b>		R
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	Time Related	Item	
<b><u>Removing Equipment (clause 72)</u></b>			
Removing Equipment (clause 72.1)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>Objects and materials within the site (clause 73)</u></b>			
Objects and materials within the site (clause 73.1 - 73.2)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>RISK AND INSURANCE</u></b>			
<b><u>Employer's risk (clause 80)</u></b>			
Employer's risk (clause 80.1)			
	Fixed Related	Item	
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	Value Related	Item	
	Time Related	Item	
<b><u>Contractor's risk (clause 81)</u></b>			
Contractor's risk (clause 81.1)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>Repairs (clause 82)</u></b>			
Repairs (clause 82.1)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>Indemnity (clause 83)</u></b>			
Indemnity (clause 83.1- 83.2)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
	Fixed Related	Item	
	Value Related	Item	
	<b>Carried to Collection</b>		R
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	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>Procedures on termination (clause 92)</u></b>			
Procedures on termination (clause 92.1 - 92.2)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>Payment on termination (clause 93)</u></b>			
Procedures on termination (clause 93.1 - 93.2)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>MAIN OPTION CLAUSES</u></b>			
<b><u>DISPUTE RESOLUTION</u></b>			
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<u>Option W1</u>				
Dispute Resolution (clause W1.1)				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
The Adjudicator (clause W1.2)				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
The Adjudication (clause W1.3)				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
Review by the Tribunal (clause W1.4)				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
<b><u>SECONDARY OPTION CLAUSES</u></b>				
<b><u>Price adjustment for inflation (Option X1)</u></b>				
Defined terms (clause X1.1)				
	Fixed Related	Item		N/A
	Value Related	Item		N/A
	Time Related	Item		N/A
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<b><u>Performance bond (Option X13)</u></b>				
Performance bond (Option X13.1)				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
<b><u>Advanced payment to the contractor (Option X14)</u></b>				
Advanced payment to the contractor (Option X14.1 - X14.3)				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
<b><u>Limitation of the Contractor's liability for his design to reasonable skill and care (Option X15)</u></b>				
Limitation of the Contractor's liability for his design to reasonable skill and care (Option X15.1 - X15.2)				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
<b><u>Retention (Option X16)</u></b>				
Retention (Option X16.1 - X16.2)				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
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	Value Related	Item	
	Time Related	Item	
Offices and storage sheds			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
<b><u>Facilities for the contractor</u></b>			
Living accommodation			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
Ablution and latrine facilities			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
Tools and Equipments			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
Water supplies, electric power, communication, dealing with water and access			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
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Other fixed charge obligations	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
Removal of site establishment	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
<b><u>Occupational Health and safety</u></b>				
Allow for compliance to Occupational Health and safety specifications including, OHS testing of personnel before commencement and after completion of project, safety equipment and safety officer.				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
Allow for compliance with all COVID 19 Regulations and Requirements				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
<b>Carried to Collection</b>			<b>R</b>	
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## **SECTION 2: BUILDING WORKS**

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO.2</u></b></p> <p><b><u>BILL NO.1</u></b></p> <p><b><u>REMOVAL OF ASBESTOS ROOF COVERINGS AND REPLACING WITH METAL ROOF SHEETING</u></b></p> <p>For Preambles refer to "Department of Public Works: Specification of material and methods to be used - PW371"</p> <p><b><u>ALTERATIONS</u></b></p> <p><b><u>REMOVAL OF EXISTING WORK</u></b></p> <p><u>Note:</u></p> <p>NATURE OF WORK Tenderers are advised to visit the site and to satisfy themselves as to the nature and extent of the work to be done and provide in their tenders for any items not specifically mentioned which they may deem necessary for the proper completion of the work. Tenderers are advised that the adjacent existing buildings will be in occupation during the progress of the work and due allowance must be made for the work being carried out at such times and in such manner as will least interfere with the routine of the occupants and as may be directed by the Project Manager.</p> <p>DIMENSIONS The Contractor is advised to take all dimensions affecting the existing buildings on the site, as he will be held solely responsible for all new work being of the correct sizes.</p> <p>CLEANING OF SITE: The Contractor should allow for removing of rubble from site on daily basis, failing which the client might stop the construction until the site has been cleaned. None of the old stock bricks from the pulling down are to be re-used for any new work.</p>			
	<b>Carried to Collection</b>		R	
	<p>Section No. 2 BUILDING WORKS Bill No. 1 REMOVAL OF ASBESTOS ROOF COVERINGS</p>			

RENOVATION AND UPGRADING OF  
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PIPES, ETC. Special care is to be taken not to interfere unnecessarily with any water supply pipes or other piping that may be met with and found necessary to disconnect or cut, are to be effectively stopped off and any new connections that may be necessary are to be made with proper fittings and to the satisfaction of the Project Manager to whom due notice must be given of any alterations to the existing services.

PROTECTION In taking down and removing existing work the utmost care is to be observed to avoid any structural or other damage to the remaining portions of the buildings. The Contractor must also protect all work not removed such as walls, floors, doors, windows or other joinery, loose and fixed fittings and electrical appliances, etc., from damage during the progress of the work and provide all necessary materials for so doing. The Contractor will be held solely responsible for any damage to persons or property and for the safety of the structure throughout the whole of this Contract and must make good at his own expense any damage that may occur.

CREDITS, ETC. Old materials from the pulling down (except such as are described to be re-used or handed over) are to become the property of the Contractor who shall allow credit as provided for in the summary at the end of these Bills of Quantities. Old materials for re-use are to be carefully removed, stored and protected from injury including making good any damaged or defective parts as required before re fixing. Old materials described to be handed over are to be carefully removed and neatly stacked on site where directed. The remainder of the old materials and all rubbish to be immediately carted away and the site left clean and unencumbered. None of the old stock bricks from the pulling down are to be re-used for any new work.

MATERIALS, ETC. The materials to be used and work to be done to be similar in all respects to that described for new work insofar as they concur. All work in making good is to be properly jointed to the existing.

**ROOF COVERINGS, ETC.**

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RENOVATION AND UPGRADING OF  
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**PROFILED METAL SHEETING AND ACCESSORIES**

All items are measured net unless otherwise described

Flashings, trimming plates, etc.

Prices to include for all cutting and waste and relevant fixing material, unless otherwise described

All rates for flashings, trimmings, etc., to include for forming drips and closed ends to troughs of sheet steel roof covering where applicable

All items are unless otherwise described measured net

**Roof:**

The roof sheeting/side cladding shall be a double interlocking concealed-fix Saflok 700 profile roll-formed in continuous lengths and cut to length by pneumatic cut-off process from certified ZincAL 0,5mm steel. A certificate verifying compliance shall be issued by the manufacturer, Safintra roofing. The profile shall be roll formed with 4 ribs and centres not exceeding 233mm and a cover width not exceeding 700mm width. The male rib is to include spurs to ensure a double interlocking action with adjacent sheets. The minimum sheet depth will be 41mm. Two longitudinal stiffening ribs to be incorporated in each pan.

Saflok 700 0.5mm Thick Colorplus AZ100. Colour to be confirmed, C.1.S finish with standard backing coat Cool Grey G550 interlocking roof sheeting with AZ100 spelter to both sides fixed to timber purlins not exceeding 1900mm centres and to ridge and eaves at not exceeding 1700mm centres. Saflok 700 ZincAL 0.8mm clips fastened with Fixtite Class 4 self tapping wafer head 10 x 22mm for timber fix all in accordance with manufacturer's recommendations.

**Roof Installer:**

The roof shall be installed by a Safintra accredited and approved installer, who will present their accreditation to the Project Manager for their scrutiny before commencing

**Carried to Collection**

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REMOVAL OF ASBESTOS ROOF COVERINGS

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**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

1	Roof covering with pitch not exceeding 50 degrees	m2	1,156
2	Saflok metal broad flute closure	m	34
3	Saflok Poly closure	m	34
4	Side wall flashing 462mm girth, two times bent along girth.	m	34
5	Counter flashing 185mm girth, two times bent along girth.	m	34
6	Valley lining 660mm girth, three times bent along girth.	m	11
7	Hip capping 660mm girth, three times bent along girth.	m	17
8	Ridge flashing 660mm girth, three times bent along girth.	m	97

**CARPENTRY AND JOINERY, ETC.**

**EAVES, VERGES, ETC**

"Everite FC77" pressed fibre-cement

9	Everite medium density plain ungrooved Nutec fascia boards (Code: 040-904), size 225 x 10mm, fixed to timber rafters twice screwed with 12 x 40mm countersunk brass screws with Chromaprep fascia jointing plate between boards and at board ends.	m	73
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**CEILINGS, ETC.**

**NAILED UP CEILINGS**

Insulation

10	50mm glass fibre insulation blanket to manufacturer's specification, laid on ceiling.	m2	1,325
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**RENOVATION AND UPGRADING OF  
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	<u>6mm "Everite Nutec" fibre-cement boards with H-profile primed steel jointing cover strips over joints</u>		
11	Ceilings including 38 x 38mm sawn softwood brandering at 450mm centres at 90deg to trusses at maximum centres of 400mm by 32mm long galvanised nails	m2	1,325
	<u>"Rhino" gypsum plasterboard cornices</u>		
12	75mm Coved cornices	m	1,082
13	Extra over ceiling for opening for 610 x 610mm trap door of 50 x 76mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	10
<b><u>PLUMBING AND DRAINAGE</u></b>			
<b><u>RAINWATER DISPOSAL</u></b>			
	<u>0.5mm Thick seamless aluminium gutters</u>		
14	100 x 150 x 100mm Eaves gutters with beaded front edge	m	130
15	Extra over eaves gutter for stopped end	No	4
16	Extra over eaves gutter for corner	No	5
17	Extra over eaves gutter for outlet for 100 x 100mm downpipe	No	20
18	100 x 100mm Rectangular rainwater pipes	m	120
19	Extra over 100 x 100mm rainwater pipe for eaves offset 450mm projection	No	20
20	Extra over rainwater pipe for shoe	No	20

**PAINTWORK****PAINTWORK ETC TO NEW WORK**

Carried to Collection

R

Section No. 2  
BUILDING WORKS  
Bill No. 1  
REMOVAL OF ASBESTOS ROOF COVERINGS

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

**ON FIBRE-CEMENT**

Plascon Polvin Super Acrylic to interior new fibre cement. Surface to be dry, sound and clean, with a moisture content, measured with a Doser Hygrometer (or equivalent), of BD 2 scale - 8% or less. Prime with one coat Plascon Plaster Primer (UC 56) with an overcoating time of 16 hours and finish with two coats Polvin Super Acrylic (EPL) with 1 hour drying time between coats, for a maintenance cycle of 5 years in a C1 - inland environment.

21 On ceilings and cornices m2 1,325

Plascon Sure Coat Gloss Enamel to exterior new fibre cement. Surface to be dry, sound and clean, with a moisture content, measured with a Doser Hygrometer (or equivalent), of BD 2 scale - 8% or less. Prime with one coat Plascon Plaster Primer (UC 56) with an overcoating time of 16 hours and finish with two coats Sure Coat Gloss Enamel (SGE) with 16 hours drying time between coats, for a maintenance cycle of 2 years in a C1 - inland environment.

22 On fascias and barge boards m2 26

**PAINTWORK ETC TO PREVIOUSLY  
PAINTED WORK**

**ON FLOATED PLASTER**

Prepare and apply one coat Merit Plaster Primer (UC 56) thinned 20% with Spick & Span Mineral Turpentine (AZH.1), stop with interior Pollyfilla and apply one coat of "Plascon Vevaglo" polyurethane Velvet Enamel Paint on previously painted walls in good condition (Colour: Tequilla VLO 10)

23 On internal walls m2 1,609

**REMOVAL ASBESTOS ROOF AND  
DISPOSAL OF ASBESTOS MATERIAL BY  
APPROVED SPECIALITS**

Carried to Collection

Section No. 2  
BUILDING WORKS  
Bill No. 1  
REMOVAL OF ASBESTOS ROOF COVERINGS

R



**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

Removal of asbestos, etc.

24	Provide the sum of R310 000,00 (Three hundred and ten thousand rand) for safe removal and disposal of asbestos roofs and ceilings and material by and approved Specialists	Item	310,000.00
25	Allow for profit on above if required	Item	
26	Allow for giving every facility to Specialists as described	Item	

**TIMBER ROOF CONSTRUCTION**

Timber Roof Construction

27	Provide a sum of R182 000-00 (One hundred and eighty two thousand rand) for the bracing and repair of damaged Timber Roof Construction by an approved Specialists	Item	182,000.00
28	Allow for giving every facility to Specialists as described	Item	
29	Allow for profit on above if required	Item	

**Carried to Collection**

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Section No. 2  
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REMOVAL OF ASBESTOS ROOF COVERINGS

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

Section No. 2

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Bill No. 1

REMOVAL OF ASBESTOS ROOF COVERINGS

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Section No. 2

BUILDING WORKS

Bill No. 1

REMOVAL OF ASBESTOS ROOF COVERINGS

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO.2</u></b>			
	<b><u>BILL NO.2</u></b>			
	<b><u>CONVERSION OF ROOMS INTO KITCHENS</u></b>			
	For Preambles refer to "Department of Public Works: Specification of material and methods to be used - PW371"			
	<b><u>ALTERATIONS</u></b>			
	<b><u>REMOVAL OF EXISTING WORKS</u></b>			
	<u>Breaking down and removing brickwork etc</u>			
1	Carefully grind through wall for copper water pipe n.e 200mm wide including making good of plaster to match existing	m	6	
	<u>Breaking up and removing mass concrete</u>			
2	Carefully grind through 85mm thick concrete surface bed not exceeding 600mm wide for soil drainage pipe including digging for pipe, backfilling, cart away etc, and repairing surface beds and screed to match existing (pipe e/m)	m	4	
3	Carefully grind through 85mm thick concrete surface bed size 450 x 450mm wide and excavate 400mm below surface bed for placing of floor drains including backfilling, compaction and making good of surface bed after placing of floor drain in position (floor drain e/m)	No	1	
	<u>Taking out and removing doors, windows, etc</u>			
4	Steel window size approximately 960 x 890mm high	No	4	
	<b>Carried to Collection</b>			R
	Section No. 2 BUILDING WORKS Bill No. 2 CONVERSION OF ROOMS INTO KITCHENS			

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

5	Timber single door and steel frame size 813 x 2032mm high	No	4
6	Cupboard double door and frame size 1830 x 2030mm high	No	4
	<u>Breaking down and removing brickwork, etc</u>		
7	Half brick wall	m2	7
	<u>Taking down and removing sundry joinery work</u>		
8	Timber skirtings from brickwork	m	38
	<u>Taking down and removing joinery fittings, etc.</u>		
9	Timber wall mounted book shelf	No	4
10	Timber pinning board	No	4
11	Timber study desk size 1000 x 750mm wide	No	4
	<u>Taking down and removing vinyl floor coverings, carpeting, etc.</u>		
12	Vinyl tile floor covering including preparing screed for new ceramic tiles	m2	28
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, etc</u>		
13	30mm Screed from floors	m2	4
	<b><u>CUTTING THROUGH FLOORS AND CEILINGS</u></b>		
14	Leave or form opening through one brick wall for pipe n.e 100mm diameter	No	4
	<b><u>MAKING GOOD OF FINISHES ETC</u></b>		
	<u>Making good screed</u>		
15	Floors where half brick walls were removed	m	10
	<b>Carried to Collection</b>		

Section No. 2  
BUILDING WORKS  
Bill No. 2  
CONVERSION OF ROOMS INTO KITCHENS

R

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

	<u>Making good internal cement plaster</u>				
16	Walls where half brick walls were removed	m	9		
	<b><u>OPENINGS THROUGH EXISTING WALLS ETC</u></b>				
	<u>Altering openings</u>				
17	Altering opening in one brick wall where 960 x 890mm high steel window removed to form opening for new steel window size 960 x 890mm high overall by breaking out brickwork on both sides including and making good face brick one and plaster one side (new steel window frame measured elsewhere)	No	4		
	<b><u>WATERPROOFING</u></b>				
	<u>Silicone sealing compound including backing cord, bond breaker, primer, etc</u>				
18	In joints between walls and kitchen sinks	m	25		
	<b><u>METALWORK</u></b>				
	<b><u>STEEL WINDOWS, DOORS, ETC</u></b>				
	<u>Steel windows</u>				
19	Purpose made window size approximately 950 x 790mm high set in opening created elsewhere (PC Amount R1 500-00 Vat excl. supplied)	No	4		
	<b><u>IRONMONGERY</u></b>				
	<b><u>SUNDRIES</u></b>				
	<b>Carried to Collection</b>			R	
	Section No. 2 BUILDING WORKS Bill No. 2 CONVERSION OF ROOMS INTO KITCHENS				

RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA

	<u>"Emseal"</u>		
20	Natural anodised aluminium cover strip fixed over expansion joints in floors (PC Amount R75-00 per Vat excl.)	m	2

**PLASTERING**

**SCREEDS**

Scree on concrete

21	30mm Screeds in patches	m2	4
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**TILING**

**WALL TILING**

200 x 200 x 5mm white glazed ceramic tiles available from CTM Warehouse fixed with approved adhesive to plasterer (plaster elsewhere measured) (PC Amount R200-00/m2 supplied)

22	On walls	m2	95
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23	On narrow widths	m2	5
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**FLOOR TILING**

Ceramic floor tiles laid in stretcher bond with TAL adhesive with 6mm joints in both direction flush pointed with tinted waterproof jointing compound. (PC Amount R200-00/m2 supplied)

24	On floors and landings	m2	29
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**PLUMBING AND DRAINAGE**

**SOIL DRAINAGE**

Carried to Collection

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CONVERSION OF ROOMS INTO KITCHENS

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

	<u>uPVC Pipes including couplings in the running lengths</u>			
25	110mm Pipes	m	24	
	<u>Extra over uPVC pipes for fittings</u>			
26	110mm Bend	No	1	
27	110 x 50 x 100mm Access junction	No	2	
28	110 x 110 x 100mm Access junction	No	2	
29	100mm "GI Two-way" vent valve	No	4	
	<u>uPVC gulleys</u>			
30	110mm Gully not exceeding 750mm deep, incl of pre-cast concrete surround, excavation etc.	No	1	
	<b><u>SANITARY FITTINGS</u></b>			
	<u>"Vulcan"</u>			
31	Vulcan SWB 1650/650 size 1650 x 650 x 910mm high stainless steel table with splash backs to rear and one end, the table drop in prep bowl and without undershelf	No	2	
32	Vulcan SWB 1650/650 size 1650 x 650 x 910mm high stainless steel table with splash backs to rear and one end, the table drop in prep bowl and without undershelf	No	2	
33	Vulcan SWB 1400/650 size 1400 x 650 x 910mm high stainless steel table with splash backs to rear, the table with allowance for one (1) defy DHD401 drop in solid hob (e/m) and without under shelf	No	8	
	<b>Carried to Collection</b>			R
	Section No. 2			
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	CONVERSION OF ROOMS INTO KITCHENS			

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

	<u>Kitchen stoves installation</u>			
34	Defy "DHD401" solid hob supplied installed on shelf (e/m) by "Vulcan"	No	8	
	<b><u>SANITARY PLUMBING</u></b>			
	<u>uPVC Pipes including couplings in the running lengths</u>			
35	50mm Pipes	m	10	
36	110mm Pipes	m	6	
37	110mm Pipes laid in trenches under floors not exceeding 1m deep (trenches elsewhere measured)	m	4	
	<u>Extra over uPVC pipes for fittings</u>			
38	50mm Bend	No	2	
39	50mm BSP connector	No	4	
40	50mm Access bend	No	4	
41	110mm Access bend	No	1	
42	110mm "GI Two-way" vent valve	No	1	
43	110 x 50 x 110mm Access junction	No	4	
44	110 x 110 x 110mm Junction	No	1	
	<u>Floor drains, etc.</u>			
45	Rofo Engineering grade AISI 304 stainless steel RO 200 NW 100 floor drain with round top flange and round cover plate with holes (Code: RO200HNW100RND - holes), suitable for tiled floor covering, overall size 240mm diameter x 270mm deep, with 110mm diameter horizontal waste outlet with mitred bend connected to waste pipe.	No	2	
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**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

	<u>Sundries</u>				
46	Cutting into existing 110mm waste pipe and join with 110mm uPVC pipe	No	4		
	<b><u>HOLES ETC</u></b>				
	<u>Core drilling of hole for pipe exceeding 100mm and not exceeding 200mm diameter</u>				
47	230mm Brick walls, etc.	No	2		
	<b><u>WATER SUPPLIES</u></b>				
	<u>Class 0 copper pipes</u>				
48	15mm Pipes	m	10		
	<u>Extra over class 0 copper pipes for capillary fittings</u>				
49	15mm Fittings	No	10		
	<u>Sundries</u>				
50	Cutting in existing water supply pipe and connect 15mm copper pipe	No	4		
	<b><u>WASTE UNIONS ETC</u></b>				
	<u>"Cobra Watertech"</u>				
51	"Cobra Ref. 316" sink waste with 70mm diameter flange, 45mm long shank, backnut, plug and chain	No	4		
	<b><u>TRAPS ETC</u></b>				
	<u>"Cobra Watertech"</u>				
52	Cobra Watertech 40mm chrome plated bottle trap (Code: 365-50) with 75mm deep re-seal, adjustable telescopic pipe and 50mm outlet.	No	4		
	<b><u>TAPS, VALVES, ETC</u></b>				
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**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

"Cobra Watertech"

53 Cobra Watertech 15mm MI x FI x 75mm long extension piece with sliding wall flange (Code: 059-15).

No 4

54 Cobra Watertech 15mm chrome plated "Carina" bibtap (Code 106CA) with blue indices 1/2 BSP male inlet manufactured in accordance with SANS 226:2009 Type 1.

No 4

**ELECTRIC WATER HEATERS**

"Vulcan"

55 Zip Epoxy coated 10 litre Hydro boil size 340 x 205 x 630mm high with instant boiling water and matching tray, connected to 15mm cold water supply and 220 volt 15 amp electrical power supply, plugged and screwed to wall and fitted under 1 year guarantee.

No 4

**FIRE APPLIANCES ETC**

"Chubb"

56 9kg Dry chemical powder fire extinguisher, including standard hard wood backing plugged and backing finished with one coat dark stain and two coats clear suede polyurethane varnish

No 3

**GLAZING**

**GLAZING TO STEEL WITH PUTTY**

4mm Clear float glass

57 Panes exceeding 0,1m2 and not exceeding 0,5m2

m2 3

**PAINTING**

**Carried to Collection**

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Section No. 2  
BUILDING WORKS  
Bill No. 2  
CONVERSION OF ROOMS INTO KITCHENS

RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA

**PAINTWORK ETC TO NEW WORK**

Plascon Velvaglo Satin to interior new mild steel. Surface to be clean and dry. Remove surface contaminants using Metalcare Aquasolv Degreaser (GR 1) with bristle brush or Brillo pads. Rinse thoroughly with tap water until surface is water break-free. Remove rust and millscale by abrasive blasting to ISO 8501 - 01:1988 - Sa2½ or by hand/mechanical wire brushing to St3 of the same standard. Allow to dry completely and prime within 4 hours of cleaning. Prime with one coat Metalcare Mild Steel Primer (UC 501) with an overcoating time of 16 hours and finish with two coats Velvaglo Satin (VLO) with 16 hours drying time between coats, for a maintenance cycle of 7 years in a C1 - inland environment.

58	On windows with burglar bars	m2	6
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**PAINTWORK ETC TO PREVIOUSLY PAINTED WORK**

**ON SMOOTH CONCRETE**

Prepare, apply one coat universal undercoat and two coats ripple paint on previously painted surfaces in good condition

59	On ceilings	m2	14
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CONVERSION OF ROOMS INTO KITCHENS

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

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**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO.2</u></b>			
	<b><u>BILL NO.3</u></b>			
	<b><u>RENOVATION OF COMMON AREAS</u></b>			
	For Preambles refer to "Department of Public Works: Specification of material and methods to be used - PW371"			
	<b><u>ALTERATIONS</u></b>			
	<b><u>REMOVAL OF EXISTING WORKS</u></b>			
	<u>Taking down and removing joinery fittings, etc.</u>			
1	Timber single door 813 x 2032mm high	No	2	
2	Timber single door 1320 x 2032mm high	No	4	
	<u>Taking out and removing glass and mirrors</u>			
3	Glass from timber windows with beads including cleaning out rebates and preparing for new glass	m2	1	
	<u>Taking down and removing floor tiles etc.</u>			
4	Floor tile covering including preparing screed for new ceramic tiles	m2	528	
	<b><u>CARPENTRY AND JOINERY</u></b>			
	<b><u>DOORS ETC</u></b>			
	<u>44mm Wrought meranti framed, ledged, braced and battered door of 44 x 150mm top rails and stiles, 22 x 150mm middle legde and braces and 22 x 220mm bottom rail filled in with 22mm V-jointed one side boarding</u>			
5	Door size 813 x 2032mm high	No	2	
	<b>Carried to Collection</b>			R
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**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

**IRONMONGERY****"EN-SUITE" LOCKS****TYPE 1**

6	ASSA ABLOY Oval cylinder dead lock case (Code: L-2141-78SS) with Stainless Steel forend.	No	2
7	ASSA ABLOY keyed alike 60mm Satin Chrome Oval double cylinder/ (Code: 2x6SCKA).	No	2
8	ASSA ABLOY Tubular handle on rose with Stainless Steel finish (Code: 6003-06SS)	Pairs	2
9	ASSA ABLOY 7836SC overhead door closer with slide channel (Code: 7836SC) and necessary mounting brackets, etc.	No	2
10	UNION cast zinc door stop (code: CZ8731BP) with Brass Plated finish.	No	2

**FLOOR TILING**

Ceramic floor tiles laid in stretcher bond with TAL adhesive with 6mm joints in both direction flush pointed with tinted waterproof jointing compound. (PC Amount R200-00/m2 supplied)

11	On floors and landings	m2	528
12	Skirting of 100mm high cut tile	m	230

**GLAZING****4mm Clear float glass**

13	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	1
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**PAINTWORK**

Carried to Collection

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Section No. 2  
BUILDING WORKS  
Bill No. 3  
RENOVATION OF COMMON AREAS

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

**PAINTWORK ETC TO NEW WORK**

**ON WOOD**

Prepare and apply one "Dulux " wood primer, one coat "Dulux" undercoat for all surfaces and two coats "Dulux Silthane Silk" enamel paint or similar approved

14	On doors	m2	11
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**PAINTWORK ETC TO PREVIOUSLY  
PAINTED WORK**

**ON FLOATED PLASTER**

Prepare and apply one coat universal undercoat and two coats eggshell enamel paint on previously painted walls in good condition

15	On internal walls	m2	149
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**ON SMOOTH CONCRETE**

Prepare, apply one coat universal undercoat and two coats ripple paint on previously painted surfaces in good condition

16	On ceilings	m2	264
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17	On columns and beams	m2	25
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18	On winblocks	m2	17
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**ON METAL**

Prepare, remove existing paint touch up with red oxide primer, apply one coat "Dulux Universal Undercoat DB196 - 0763" and two coats "Dulux" gloss enamel paint or similar approved on previously painted steel in good condition

19	On door frames	m2	26
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BUILDING WORKS  
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RENOVATION OF COMMON AREAS

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

20	On gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m2	24
21	On rails, bars, pipes, etc not exceeding 300 mm girth	m	220
<b><u>ON WOOD</u></b>			
<u>Plascon Velvaglo Satin to interior new wood. Surface to be dry, sound and clean. Wash knots and resinous areas with Lacquer Thinners (ILS 1) and coat with Woodcare Knot Seal (PK 2) and apply one coat of Plascon Woodcare Pretreatment (WWP 1), overcoated within 48 hours with a moisture content, measured with a Doser Hygrometer (or equivalent), of BD 2 scale (A1-A5) &lt; 14% or less. Prime with one coat Wood Primer (UC 2) with an overcoating time of 16 hours and finish with two coats Velvaglo Satin (VLO) with 16 hours drying time between coats, for a maintenance cycle of 7 years in a C1 - inland environment on previously painted surfaces in good condition</u>			
22	On windows	m2	3
23	On doors	m2	51

**Carried to Collection**

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BUILDING WORKS  
Bill No. 3  
RENOVATION OF COMMON AREAS



**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

Section No. 2

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RENOVATION OF COMMON AREAS

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RENOVATION OF COMMON AREAS

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO.2</u></b>			
	<b><u>BILL NO.4</u></b>			
	<b><u>RENOVATIONS AND UPGRADING OF EXISTING KITCHENS</u></b>			
	For Preambles refer to "Department of Public Works: Specification of material and methods to be used - PW371"			
	<b><u>ALTERATIONS</u></b>			
	<b><u>REMOVAL OF EXISTING WORK</u></b>			
	<u>Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>			
1	Stainless steel single bowl sink inclusive of steel framework	No	4	
	<u>Hacking up/off and removing ceramic tile floor and wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes</u>			
2	Tile skirting	m	26	
3	Wall tiles in isolated panels	m2	4	
	<u>Taking out and removing doors, windows, etc</u>			
4	Steel window size approximately 960 x 890mm high	No	4	
	<b><u>OPENINGS THROUGH EXISTING WALLS ETC</u></b>			
	<b>Carried to Collection</b>			R
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Altering openings

5 Altering opening in one brick wall where 960 x 890mm high steel window removed to form opening for new steel window size 950 x 790mm high overall by breaking out brickwork on both sides including and making good face brick one and plaster one side (new steel window frame measured elsewhere)

No 4

**SERVICING OF EXISTING FITTINGS**

6 Service floor drain complete by rodding the trap, cleaning and leaving in a good clean condition to the Project Manager's approval

No 4

**CUTTING THROUGH FLOORS AND CEILINGS**

Breaking down and removing brickwork etc

7 Leave or form opening through one brick wall for pipe n.e 100mm diameter

No 2

8 Carefully grind through wall for copper water pipe n.e 200mm wide including making good of plaster to match existing

m 4

**WATERPROOFING**

Silicone sealing compound including backing cord, bond breaker, primer, etc

9 In joints between walls and kitchen sinks

m 8

**METALWORK**

**STEEL WINDOWS, DOORS, ETC**

Steel windows

10 Window size approximately 950 x 790mm high set in opening created elsewhere (PC Amount R1 500-00 Vat excl. supplied)

No 4

Carried to Collection

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 BUILDING WORKS  
 Bill No. 4  
 RENOVATIONS OF KITCHENS

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

**PLASTERING**

Cement plaster on brickwork

11	On walls	m2	64
12	On narrow widths	m2	2

**TILING**

**WALL TILING**

200 x 200 x 5mm white glazed ceramic tiles available from CTM Warehouse fixed with approved adhesive to plasterer (plaster elsewhere measured) (PC Amount R200-00/m2 supplied)

13	On walls	m2	64
14	On narrow widths	m2	2
15	Fair exposed cutting and fitting around pipe exceeding 100mm and not exceeding 200mm diameter	No	8

**PLUMBING AND DRAINAGE**

**SANITARY FITTINGS**

"Vulcan"

16	Vulcan SWB 1400/650 size 1400 x 650 x 910mm high stainless steel table with splash backs to rear, the table with allowance for one (1) defy DHD401 drop in solid hob (e/m) and without under shelf	No	4
17	Vulcan DCBS 1850/650 size 1850 x 650 x 915mm high stainless steel table with splash backs to rear and double centre (the table without shelf)	No	4

**Carried to Collection**

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RENOVATIONS OF KITCHENS

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

<u>Kitchen stoves installation</u>				
18	Defy "DHD401" solid hob supplied installed on shelf (e/m) by "Vulcan"	No	4	
<b><u>WASTE UNIONS ETC</u></b>				
<u>"Cobra Watertech"</u>				
19	"Cobra Ref. 316" sink waste with 70mm diameter flange, 45mm long shank, backnut, plug and chain	No	8	
<b><u>TRAPS ETC</u></b>				
<u>"Cobra Watertech"</u>				
20	Cobra Watertech 40mm chrome plated bottle trap (Code: 365-50) with 75mm deep re-seal, adjustable telescopic pipe and 50mm outlet.	No	8	
<b><u>TAPS, VALVES, ETC</u></b>				
<u>"Cobra Watertech"</u>				
21	Cobra Watertech 15mm MI x FI x 75mm long extension piece with sliding wall flange (Code: 059-15).	No	8	
22	Cobra Watertech 15mm chrome plated "Carina" bibtap (Code 106CA) with blue indices 1/2 BSP male inlet manufactured in accordance with SANS 226:2009 Type 1.	No	8	
<b><u>SANITARY PLUMBING</u></b>				
<u>uPVC pipes</u>				
23	50mm Pipes	m	20	
<u>Extra over uPVC pipes for fittings</u>				
24	50mm BSP connector	No	8	
25	50mm Access bend	No	4	
<b>Carried to Collection</b>				R
Section No. 2 BUILDING WORKS Bill No. 4 RENOVATIONS OF KITCHENS				

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

**SOIL DRAINAGE**

uPVC gulleys

26	110mm Gulley not exceeding 750mm deep, incl of pre-cast concrete sorround, excavation etc.	No	2
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**WATER SUPPLIES**

Class 0 copper pipes

27	15mm Pipes	m	19
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Extra over class 0 copper pipes for capillary fittings

28	15mm Fittings	No	28
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Sundries

29	Cutting in existing water supply pipe and connect 15mm copper pipe	No	4
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**ELECTRIC WATER HEATERS**

"Vulcan"

30	Zip Epoxy coated 10 litre Hydro boil size 340 x 205 x 630mm high with instant boiling water and matching tray, connected to 15mm cold water supply and 220 volt 15 amp electrical power supply, plugged and screwed to wall and fitted under 1 year guarantee.	No	4
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**FIRE APPLIANCES ETC**

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RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA

31	<p><u>"Chubb"</u></p> <p>9kg Dry chemical powder fire extinguisher, including standard hard wood backing plugged and backing finished with one coat dark stain and two coats clear suede polyurethane varnish</p>	No	4
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**GLAZING**

**GLAZING TO STEEL WITH PUTTY**

4mm Clear float glass

32	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	3
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**PAINTWORK**

**PAINTWORK ETC TO NEW WORK**

Plascon Velvago Satin to interior new mild steel. Surface to be clean and dry. Remove surface contaminants using Metalcare Aquasolv Degreaser (GR 1) with bristle brush or Brillo pads. Rinse thoroughly with tap water until surface is water break-free. Remove rust and millscale by abrasive blasting to ISO 8501 - 01:1988 - Sa2½ or by hand/mechanical wire brushing to St3 of the same standard. Allow to dry completely and prime within 4 hours of cleaning. Prime with one coat Metalcare Mild Steel Primer (UC 501) with an overcoating time of 16 hours and finish with two coats Velvago Satin (VLO) with 16 hours drying time between coats, for a maintenance cycle of 7 years in a C1 - inland environment.

33	On windows with burglar bars	m2	6
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**PAINTWORK ETC TO PREVIOUSLY PAINTED WORK**

**ON SMOOTH CONCRETE**

Carried to Collection

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RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA

34	<u>Prepare, apply one coat universal undercoat and two coats ripple paint on previously painted surfaces in good condition</u> On ceilings	m2	11	R
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**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

Section No. 2

BUILDING WORKS

Bill No. 4

RENOVATIONS OF KITCHENS

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Section No. 2

BUILDING WORKS

Bill No. 4

RENOVATIONS OF KITCHENS

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

Section No. 2

BUILDING WORKS

**SECTION SUMMARY - BUILDING WORKS**

Bill No		Page No	Amount
1	REMOVAL OF ASBESTOS ROOF COVERINGS	36	
2	CONVERSION OF ROOMS INTO KITCHENS	46	
3	RENOVATION OF COMMON AREAS	51	
4	RENOVATIONS OF KITCHENS	59	
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Section No. 2 BUILDING WORKS			

## **SECTION 3: PROVISIONAL SUMS**

RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA

Item No	Quantity	Rate	Amount
<p><b><u>SECTION NO. 5</u></b></p> <p><b><u>BILL NO. 1</u></b></p> <p><b><u>PROVISIONAL AMOUNTS ETC</u></b></p> <p><b><u>PROVISIONAL SUMS FOR SELECTED SUB-CONTRACT WORKS</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>General</u></p> <p>All prime cost amounts and provisional sums are net and include for delivery to site of all articles concerned</p> <p>Sub contractors will be treated as domestic sub contractors for the purpose of this contract. They shall be selected sub contractors and the main contractor will be afforded the opportunity to reject such sub contractors prior to appointment provided reasonable justification is given</p> <p><u>Profit</u></p> <p>Where stated, the contractor may allow for profit if required</p> <p><u>General attendance upon selected sub-contractors</u></p> <p>The item "Attendance" which follows each provisional sum for selected sub-contractors work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the selected sub-contractors, the following:</p> <ol style="list-style-type: none"> <li>1. The services as that are already available on site and are not specific to the selected subcontractor's needs</li> <li>2. Making good in all trades and cleaning down and removal of rubbish on completion</li> </ol>			
<p>Section No. 3 PROVISIONAL SUMS Bill No. 1 PROVISIONAL SUMS</p>	<p><b>Carried to Collection</b></p>	<p>R</p>	

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

Electrical Installation

1	Provide the sum of R300 000-00 (Three hundred thousand rand) for Electrical Installation by Specialists	Item	300,000.00
2	Allow for giving every facility to Specialists as described	Item	
3	Allow for profit on above if required	Item	

**Carried to Collection**

R

Section No. 3  
PROVISIONAL SUMS  
Bill No. 1  
PROVISIONAL SUMS

**RENOVATION AND UPGRADING OF  
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Section No. 3

PROVISIONAL SUMS

Bill No. 1

PROVISIONAL SUMS

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Bill No. 1  
PROVISIONAL SUMS

# **FINAL SUMMARY**

**RENOVATION AND UPGRADING OF  
MANGO GROOVE RESIDENCE AT THE UNIVERSITY OF VENDA**

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES	28	
2	BUILDING WORKS	60	
3	PROVISIONAL SUMS	63	
	Sub Total 1		R
	CREDIT FOR ALL REUSABLE MATERIALS REMOVED FROM DEMOLITION WORKS	Item	
	Sub Total 2		R
	<u>CONTINGENCY SUM</u>		
	Sub Total 3		R
	Allow the amount of R175 000-00 (One hundred and seventy five thousand rand) for Contingencies for building work, to be used as directed by the Project Manager and deducted in whole or in part if not required	Item	175,000.00
	Sub total (VAT EXCL.)		R
	Value Added Tax ( 15%)		R
	Sub Total (VAT INCL.) CARRIED TO TENDER FORM		R
	Carried to Form of Tender		R