University of Venda
Creating Future Leaders

CONTRACT NO. IN/25/2022

Upgrading of Kitchen Facilities at Lost City Male and Female Residences at the University of Venda, Thohoyandou, Limpopo Province

(CIDB GRADING NO: 3GB)

VOLUME 2 OF 2

PROCUREMENT DOCUMENT
(Based on NEC3 Engineering and Construction Contract)

Date of Issue: 01 June 2022

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

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 Contact.

SECTION 1: PRELIMINARIES

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 re-printed in April 2013) 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

Carried to Collection R

Section No. 1
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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 beased 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 not withstanding the actual employment of resources in the execution of the works. The contract value used for the adjustment of the Preliminaries shall exclude any contingecy 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	

Carried to Collection R

Defined terms (clause 11.2)			
Fixed Related	Item		
Value Related	Item		
Time Related	Item		
Interpretation and the law (clause 12)			
Interpretation of the law (clause 12.1 - 12.4)			
Fixed Related	Item		
Value Related	Item		
Time Related	Item		
Communication (clause 13)			
Communication (clause 13.1 - 13.8)			
Fixed Related	Item		
Value Related	Item		
Time Related	Item		
The Project Manager and the Supervisor (clause 14)			
The Project Manager and the Supervisor (clause 14.1 - 14.4)			
Fixed Related	Item		
Value Related	Item		
Time Related	Item		
Carried to Collection		R	

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Adding to the Working Areas (clause 15)

Adding to the Working Areas (clause 15.1)

Fixed Related	Item		
Value Related	Item		
Time Related	Item		

Early Warning (clause 16)

Early Warning (clause 16.1 - 16.4) and added clause 16.5 as per contract data

Fixed Related	Item		
Value Related	Item		
Time Related	Item		

Ambiguities and inconsistencies (clause 17)

Ambiguities and inconsistencies (clause 17.1)

Fixed Related	Item		
Value Related	Item		
Time Related	Item		

Illegal and impossible requirements (clause 18)

Illegal and impossible requirements (clause 18.1)

Fixed Related	Item		
Value Related	Item		

Carried to Collection		R	

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	Time Related	Item		
Prevention (clause 19)				
Prevention (clause 19.1))				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
THE CONTRACTOR'S MAIN RESPONSIBILITIES				
Providing the Works (clause 20)				
Providing the Works (clause 20.1)				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
The Contractor's design (clause 21)				
The contractor's design (clause 21.1 - 21.3)				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
Using the Contractor's design (clause 22)				
Using the Contractor's design (clause 22.1)				
	Carried to Collection		R	

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Fixed Related	Item			
Value Related	Item			
Time Related	Item			
Design of Equipment (clause 23)				
Design of Equipment (clause 23.1)				
Fixed Related	Item			
Value Related	Item			
Time Related	Item			
People (clause 24)				
People (clause 24.1 - 24.2)				
Fixed Related	Item			
Value Related	Item			
Time Related	Item			
Working with the Employer and Others (clause 25)				
Working with the Employer and Others (clause 25.1 - 25.3)				
Fixed Related	Item			
Value Related	Item			
Time Related	Item			
Carried to Collection			R	

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Sub-contracting (clause 26)

Sub-contracting (clause 26.1 - 26.3)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

Other responsibilities (clause 27)

Other responsibilities (clause 27.1 - 27.4)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

TIME

Starting, Completion and Key dates (clause 30)

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	

Carried to Collection R

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	Time Related	Item		
Key date (clause 30.3)				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
The Programme (clause 31)				
The Programme (clause 31.1 - 31.3)				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
Revising the programme (clause 32)				
Revising the programme (clause 32.1 - 32.2)				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
Access to and use of the Site (clause 33)				
Access to and use of the Site (clause 33.1)				
	Fixed Related	Item		
	Value Related	Item		
	Time Related	Item		
	Carried to Collection		R	

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Instruction to stop or not to start work (clause 34)

Instruction to stop or not to start work (clause 34.1)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

Take over (clause 35)

Take over (clause 35.1 - 35.3)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

Acceleration (clause 36)

Acceleration (clause 36.1 - 36.3)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

TESTING AND DEFECTS

Testing and inspections (clause 40)

Testing and inspections (clause 40.1 - 40.6)

Fixed Related	Item	
Carried to Collection		R

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Value Related	Item		
Time Related	Item		
Testing and inspections before delivery (Clause 41)			
Testing and inspection before delivery (clause 41.1)			
Fixed Related	Item		
Value Related	Item		
Time Related	Item		
Searching for and notifying Defects (Clause 42)			
Searching for and notifying Defects (Clause 42.1 - 42.2)			
Fixed Related	Item		
Value Related	Item		
Time Related	Item		
Correcting Defects (Clause 43)			
Correcting Defects (Clause 43.1 - 43.4)			
Fixed Related	Item		
Value Related	Item		
Time Related	Item		
Carried to Collection		R	

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Accepting Defects (clause 44)

Accepting Defects (clause 44.1 - 44.2)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

Uncorrected Defects (clause 45)

Uncorrected Defects (clause 45.1 - 45.2)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

PAYMENT

Assessing the amount due (clause 50)

Assessing the amount due (clause 50.1 - 50.5)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

Carried to Collection R

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Payment (clause 51)

Payment (clause 51.1 - 51.4)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

Defined Cost (clause 52)

Defined Cost (clause 52.1)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

The Bills of Quantities (clause 55)

The bills of quantities (clause 55.1)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

COMPENSATION EVENTS

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Compensation events (clause 60)

Compensation events (clause 60.1 - 60.7)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

Notifying compensation events (clause 61)

Notifying compensation events (clause 61.1 - 61.7)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

Quotation for compensation events (clause 62)

Quotation for compensation events (clause 62.1 - 62.6)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

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Assessing compensation events (clause 63)

Assessing compensation events (clause 63.1 - 63.13)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

The Project Manager's assessment (clause 64)

The Project Manager's assessment (clause 64.1 - 64.4)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

Implementing compensation events (clause 65)

Implementing compensation events (clause 65.1 - 65.4)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

TITLE

Carried to Collection R

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The Employer's title to Plant and Materials (clause 70)

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		

Marking Equipment, Plant and Materials outside Working Areas (clause 71)

Marking Equipment, Plant and Materials outside Working Areas (clause 71.1)

Fixed Related	Item		
Value Related	Item		
Time Related	Item		

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Removing Equipment (clause 72)

Removing Equipment (clause 72.1)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

Objects and materials within the site (clause 73)

Objects and materials within the site (clause 73.1 - 73.2)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

RISK AND INSURANCE

Employer's risk (clause 80)

Employer's risk (clause 80.1)

Fixed Related	Item	
Value Related	Item	
Carried to Collection		R

	Time Related	Item	
Contractor's risk (clause 81)			
Contractor's risk (clause 81.1)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
Repairs (clause 82)			
Repairs (clause 82.1)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
Indemnity (clause 83)			
Indemnity (clause 83.1- 83.2)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
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Insurance cover (clause 84)

Insurance cover (clause 84.1 - 84.2)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

Insurance policies (clause 85)

Insurance policies (clause 85.1 - 85.4)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

If the Contractor does not insure (clause 86)

If the Contractor does not insure (clause 86.1)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

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Insurance by the Employer (clause 87)

Insurance by the Employer (clause 87.1 -87.3)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

TERMINATION

Termination (clause 90)

Termination (clause 90.1 - 90.5)

Fixed Related	Item	
Value Related	Item	
Time Related	Item	

Reasons for termination (clause 91)

Reasons for termination (clause 91.1 - 91.7)

Fixed Related	Item	

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Value Related	Item		
Time Related	Item		
Procedures on termination (clause 92)			
Procedures on termination (clause 92.1 - 92.2)			
Fixed Related	Item		
Value Related	Item		
Time Related	Item		
Payment on termination (clause 93)			
Procedures on termination (clause 93.1 - 93.2)			
Fixed Related	Item		
Value Related	Item		
Time Related	Item		
MAIN OPTION CLAUSES			
DISPUTE RESOLUTION			
Option W1			
Dispute Resolution (clause W1.1)			
Carried to Collection		R	

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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			
SECONDARY OPTION CLAUSES				
Price adjustment for inflation (Option X1)				
Defined terms (clause X1.1)				
Fixed Related	Item			**N/A**
Value Related	Item			**N/A**
Time Related	Item			**N/A**
Price Adjustment Factor (clause X1.2)				
Fixed Related	Item			**N/A**
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	Value Related	Item	N/A
	Time Related	Item	N/A
Compensation Event (clause X1.3)			
	Fixed Related	Item	N/A
	Value Related	Item	N/A
	Time Related	Item	N/A
Price Adjustment (clause X1.4)			
	Fixed Related	Item	N/A
	Value Related	Item	N/A
	Time Related	Item	N/A
Changes in the law (Option X2)			
Changes in the law (clause X2.1)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
Delay damages (Option X7)			
Delay damages (clause X7.1 - X7.3)			
	Fixed Related	Item	
	Value Related	Item	
	Time Related	Item	
Perfomance bond (Option X13)			
Performance bond (Option X13.1)			
	Fixed Related	Item	
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Value Related	Item		
Time Related	Item		
Advanced payment to the contractor (Option X14)			
Advanced payment to the contractor (Option X14.1 - X14.3)			
Fixed Related	Item		
Value Related	Item		
Time Related	Item		
Limitation of the Contractor's liability for his design to reasonable skill and care (Option X15)			
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		
Retention (Option X16)			
Retention (Option X16.1 - X16.2)			
Fixed Related	Item		
Value Related	Item		
Time Related	Item		
Low performance damages (Option X17)			
Low performance damages (Option X17.1)			
Fixed Related	Item		
Carried to Collection		R	

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Value Related	Item		
Time Related	Item		
Limitation of Liability (Option X18)			
Limitation of Liability (Option X18.1 - X18.5)			
Fixed Related	Item		
Value Related	Item		
Time Related	Item		
CONTRACT DATA			
Contractual Requirements as stated elsewhere in the document			
ESTABLISHMENT OF FACILITIES ON THE SITE			
Facilities for Project Manager			
Furnished offices (In no 1)			
Fixed Related	Item		
Value Related	Item		
Time Related	Item		
Name boards (In no 1)			
Fixed Related	Item		
Value Related	Item		
Time Related	Item		
Offices and storage sheds			
Fixed Related	Item		
Carried to Collection		R	

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Value Related	Item		
Time Related	Item		
Facilities for the contractor			
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 Equiments			
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		
Other fixed charge obligations			
Fixed Related	Item		
Value Related	Item		
Time Related	Item		
Carried to Collection		R	

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Removal of site establishment			
Fixed Related	Item		
Value Related	Item		
Time Related	Item		
Occupational Health and safety			
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		
Carried to Collection		R	

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Section No. 1

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Bill No. 1

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COLLECTION

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SECTION 2: BUILDING

Item No		Quantity	Rate	Amount

SECTION NO.2

BILL NO.1

CONVERSION OF ROOMS INTO KITCHENS

For Preambles refer to "Department of Public Works: Specification of material and methods to be used - PW371"

REMOVAL OF EXISTING WORKS

Note:

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

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.

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.

Carried to Collection R

Section No. 2
BUILDING WORKS
Bill No. 1
CONVERSION OF ROOMS INTO KITCHENS

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 accor.

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 form 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.

Carried to Collection R

Section No. 2
BUILDING WORKS
Bill No. 1
CONVERSION OF ROOMS INTO KITCHENS

	Unless otherwise stated, all materials from the alterations and demolitions will belong to the builder. The builder should allow for the removal of all debris from site			
	<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	
2	Carefully grind through wall not exceeding 300mm wide for electrical conduit including re-plastering to match existing (e/m)	m	10	
3	Carefully grind through wall for 100 x 100 x 50mm electrical box including making good of plaster to match existing	No	8	
	<u>Breaking up and removing mass concrete</u>			
4	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	
5	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>Breaking down and removing brickwork, etc</u>			
6	Half brick wall	m2	7	
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BUILDING WORKS
Bill No. 1
CONVERSION OF ROOMS INTO KITCHENS

	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc				
7	Gypsum plasterboard ceilings including cornices, timber brandering, etc	m2	14		
	Taking down and removing sundry joinery work				
8	Timber skirtings from brickwork	m	38		
	Taking down and removing joinery fittings, etc.				
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		
12	Timber single door and steel frame size 813 x 2032mm high	No	2		
13	Cupboard double door and frame size 1830 x 2030mm high	No	4		
	Taking down and removing vinyl floor coverings, carperting, etc.				
14	Vinyl tile floor covering including preparing screed for new ceramic tiles	m2	28		
	Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, etc				
15	30mm Screed from floors	m2	4		
	CUTTING THROUGH FLOORS AND CEILINGS				
16	Leave or form opening through one brick wall for pipe n.e 100mm diameter	No	4		
	MAKING GOOD OF FINISHES ETC				
	Carried to Collection			R	

Section No. 2
BUILDING WORKS
Bill No. 1
CONVERSION OF ROOMS INTO KITCHENS

	Making good screed				
17	Floors where half brick walls were removed	m	10		
	Making good internal cement plaster				
18	Walls where half brick walls were removed	m	9		
	OPENINGS THROUGH EXISTING WALLS ETC				
	Altering openings				
19	Altering opening in one brick wall where 813 x 2032mm high steel door frame was removed to form opening size 1000 x 2100mm high overall by breaking out brickwork on both sides and bottom including necessary precast concrete lintel and making good plaster on both sides and into reveals and screed on the threshold	No	2		
	WATERPROOFING				
	Silicone sealing compound including backing cord, bond breaker, primer, etc				
20	In joints between vanity slab and kitchen sinks	m	25		
	CEILINGS, ETC.				
	NAILED UP CEILINGS				
	4mm PVC coated ceilings with standard H-type pressed steel jointing strips				
21	Ceilings including 38 x 38mm sawn softwood brandering at 450mm centres	m2	14		
	"Rhino" gypsum plasterboard cornices				
22	75mm Coved cornices	m	19		
	IRONMONGERY				
	Carried to Collection			R	
	Section No. 2 BUILDING WORKS Bill No. 1 CONVERSION OF ROOMS INTO KITCHENS				

SUNDRIES

"Emseal"

23	Natural anodised aluminium cover strip fixed over expansion joints in floors (PC Amount R75-00 per Vat excl.)	m	2	

PLASTERING

SCREEDS

Screeds on concrete

24	30mm Screeds in patches	m2	4	

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)

25	On walls	m2	95	
26	On narrow widths	m2	4	

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)

27	On floors and landings	m2	29	

PLUMBING AND DRAINAGE

SOIL DRAINAGE

Carried to Collection R

Section No. 2
BUILDING WORKS
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CONVERSION OF ROOMS INTO KITCHENS

	uPVC Pipes including couplings in the running lengths				
28	110mm Pipes	m	24		
	Extra over uPVC pipes for fittings				
29	110mm Bend	No	1		
30	110 x 50 x 100mm Access junction	No	2		
31	110 x 110 x 100mm Access junction	No	2		
32	100mm "GI Two-way" vent valve	No	4		
	uPVC gulleys				
33	110mm Gulley not exceeding 750mm deep, incl of pre-cast concrete sorround, excavation etc.	No	1		
	SANITARY FITTINGS				
	"Vulcan"				
34	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		
35	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	4		
	Kitchen stoves installation				
36	Defy "DHD401" solid hob supplied installed on shelf (e/m) by "Vulcan"	No	8		
	SANITARY PLUMBING				
	Carried to Collection			R	

Section No. 2
BUILDING WORKS
Bill No. 1
CONVERSION OF ROOMS INTO KITCHENS

	uPVC Pipes including couplings in the running lengths				
37	50mm Pipes	m	10		
38	110mm Pipes	m	6		
39	110mm Pipes laid in trenches under floors not exceeding 1m deep (trenches elsewhere measured)	m	4		
	Extra over uPVC pipes for fittings				
40	50mm Bend	No	2		
41	50mm BSP connector	No	4		
42	50mm Access bend	No	4		
43	110mm Access bend	No	1		
44	110mm "GI Two-way" vent valve	No	1		
45	110 x 50 x 110mm Access junction	No	4		
46	110 x 110 x 110mm Junction	No	1		
	Floor drains, etc.				
47	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		
	Sundries				
	Cutting into existing 110mm waste pipe and join with 110mm uPVC pipe	No	4		
	HOLES ETC				
	Carried to Collection			R	

Section No. 2
BUILDING WORKS
Bill No. 1
CONVERSION OF ROOMS INTO KITCHENS

	Core drilling of hole for pipe exceeding 100mm and not exceeding 200mm diameter				
48	230mm Brick walls, etc.	No	2		
	WATER SUPPLIES				
	Class 0 copper pipes				
49	15mm Pipes	m	10		
	Extra over class 0 copper pipes for capillary fittings				
50	15mm Fittings	No	10		
	Sundries				
51	Cutting in existing water supply pipe and connect 15mm copper pipe	No	4		
	WASTE UNIONS ETC				
	"Cobra Watertech"				
52	"Cobra Ref. 316" sink waste with 70mm diameter flange, 45mm long shank, backnut, plug and chain	No	4		
	TRAPS ETC				
	"Cobra Watertech"				
53	Cobra Watertech 40mm chrome plated bottle trap (Code: 365-50) with 75mm deep re-seal, adjustable telescopic pipe and 50mm outlet.	No	4		
	TAPS, VALVES, ETC				
	"Cobra Watertech"				
54	Cobra Watertech 15mm MI x FI x 75mm long extension piece with sliding wall flange (Code: 059-15).	No	4		
	Carried to Collection			R	

Section No. 2
BUILDING WORKS
Bill No. 1
CONVERSION OF ROOMS INTO KITCHENS

55	.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"			
56	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"			
57	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	
	PAINTING			
	PAINTWORK ETC TO NEW WORK			
	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.			
58	On ceilings and cornices	m2	14	
	Carried to Collection			R

Section No. 2
BUILDING WORKS
Bill No. 1
CONVERSION OF ROOMS INTO KITCHENS

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

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

60	On windows with burglar bars	m2	4

ELECTRICAL INSTALLATION:

The following shall be applicable as far as the execution of eletrical works is concerned:

1) The Sub-contractor must be registered with the Electrical Contractors Association (SA)

2) The Sub-contractor must have a Wireman's Licence for a single or three phase depending on the specified supply

3) The Sub-contractor must have a valid Letter of good standing (COIDA)

4) The Sub-contractor must be registered with CIDB in the correct category

Conduits, etc

Supply, delivery and installation of SABS approved PVC Conduits complete with all required conduit accessories.

Carried to Collection R

Section No. 2
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CONVERSION OF ROOMS INTO KITCHENS

	Built or chased into brick (chasing e/m)				
61	20mm PVC Conduit	m	14		
	In ceiling space and timber work:				
62	20mm PVC Conduit	m	1		
	Wall boxes				
	Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work.				
	Flush mounted type:				
63	100 x 100 x 50mm	No	12		
	PVC wiring				
	PVC Wiring in conduits:				
64	6,0 mm² for plug sockets circuits	m	43		
	Stranded bare copper earth wire				
	Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage.				
65	4,0 mm²	m	14		
	Sockets outlets				
	Supply and installation of SABS approved switched and unswitched type flush and surface mounted type 16A switched socket outlets suitable for mounting in flush steel wall boxes or in steel pedestal units or on surface.The final colour of the paint finish shall be confirmed at a later stage, allowance shall be made as specified in the specification.All flush type boxes and special pedestals measured elsewhere.				
	Flush switched sockets type:				
66	16A 3 pin single socket outlets	No	4		
	Carried to Collection			R	

Section No. 2
BUILDING WORKS
Bill No. 1
CONVERSION OF ROOMS INTO KITCHENS

	Others				
67	20A Isolator	No	8		
	TESTING:				
68	Testing of installation	No	2		
	Carried to Collection			R	

Section No. 2
BUILDING WORKS
Bill No. 1
CONVERSION OF ROOMS INTO KITCHENS

Section No. 2

BUILDING WORKS

Bill No. 1

CONVERSION OF ROOMS INTO KITCHENS

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Section No. 2
BUILDING WORKS
Bill No. 1
CONVERSION OF ROOMS INTO KITCHENS

Item No			Quantity	Rate	Amount
	SECTION NO.2				
	BILL NO.2				
	RENOVATIONS AND UPGRADING OF EXISTING KITCHENS				
	For Preambles refer to "Department of Public Works: Specification of material and methods to be used - PW371"				
	ALTERATIONS				
	REMOVAL OF EXISTING WORK				
	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc				
1	Gypsum plasterboard ceilings including cornices, timber brandering, etc	m2	38		
	Hacking up/off and removing ceramic tile, and wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes				
2	Floor tiles	m2	15		
3	Wall tiles in patches	m2	3		
	CUTTING THROUGH FLOORS AND CEILINGS				
	Breaking down and removing brickwork etc				
4	Carefully grind through wall for 100 x 100 x 50mm electrical box including making good of plaster to match existing	No	32		
	Carried to Collection			R	

Section No. 2
BUILDING WORKS
Bill No. 2
RENOVATIONS OF KITCHENS

5	Carefully grind through wall for copper water pipe n.e 200mm wide including making good of plaster to match existing	m	16	
6	Carefully grind through wall not exceeding 300mm wide for electrical conduit including re-plastering to match existing (e/m)	m	19	
7	Carefully grind through wall not exceeding 300mm wide for electrical conduit including re-plastering to match existing (e/m)	m	19	
	CEILINGS, ETC.			
	NAILED UP CEILINGS			
	4mm PVC coated ceilings with standard H-type pressed steel jointing strips			
8	Ceilings including 38 x 38mm sawn softwood brandering at 450mm centres	m2	38	
	"Rhino" gypsum plasterboard cornices			
9	75mm Coved cornices	m	75	
	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 Vat excl. supplied)			
10	On walls in patches	m2	3	
	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	15	
	Carried to Collection			R

Section No. 2
BUILDING WORKS
Bill No. 2
RENOVATIONS OF KITCHENS

PLUMBING AND DRAINAGE

SANITARY FITTINGS

"Vulcan"

12	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	16	

Kitchen stoves installation

13	Defy "DHD401" solid hob supplied installed on shelf (e/m) by "Vulcan"	No	16	

WATER SUPPLIES

Class 0 copper pipes

14	15mm Pipes	m	16	

Extra over class 0 copper pipes for capillary fittings

15	15mm Fittings	No	32	

Sundries

16	Cutting in existing water supply pipe and connect 15mm copper pipe	No	16	

ELECTRIC WATER HEATERS

"Vulcan"

17	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	16	

Carried to Collection R

Section No. 2
BUILDING WORKS
Bill No. 2
RENOVATIONS OF KITCHENS

PAINTWORK

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.

18	On ceilings and cornices	m2	38	

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

19	On concrete soffits	m2	38	

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

20	On windows with burglar bars	m2	22	

ELECTRICAL INSTALLATION:

The following shall be applicable as far as the execution of eletrical works is concerned:

1) The Sub-contractor must be registered with the Electrical Contractors Association (SA)

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Section No. 2
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RENOVATIONS OF KITCHENS

	2) The Sub-contractor must have a Wireman's Licence for a single or three phase depending on the specified supply			
	3) The Sub-contractor must have a valid Letter of good standing (COIDA)			
	4) The Sub-contractor must be registered with CIDB in the correct category			
	Conduits, etc			
	Supply, delivery and installation of SABS approved PVC Conduits complete with all required conduit accessories.			
	Built or chased into brick (chasing e/m)			
21	20mm PVC Conduit	m	38	
	In ceiling space and timber work:			
22	20mm PVC Conduit	m	10	
	Wall boxes			
	Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work.			
	Flush mounted type:			
23	100 x 100 x 50mm	No	32	
	PVC wiring			
	PVC Wiring in conduits:			
24	6,0 mm² for plug sockets circuits	m	115	
	Stranded bare copper earth wire			
	Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage.			
25	4,0 mm²	m	38	
	Carried to Collection			R

Section No. 2
BUILDING WORKS
Bill No. 2
RENOVATIONS OF KITCHENS

	Sockets outlets				
	Supply and installation of SABS approved switched and unswitched type flush and surface mounted type 16A switched socket outlets suitable for mounting in flush steel wall boxes or in steel pedestal units or on surface.The final colour of the paint finish shall be confirmed at a later stage, allowance shall be made as specified in the specification.All flush type boxes and special pedestals measured elsewhere.				
	Flush switched sockets type:				
26	16A 3 pin single socket outlets	No	16		
	Others				
27	20A Isolator	No	16		
	TESTING:				
28	Testing of installation	No	16		
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RENOVATIONS OF KITCHENS

Section No. 2

BUILDING WORKS

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RENOVATIONS OF KITCHENS

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Section No. 2
BUILDING WORKS
Bill No. 2
RENOVATIONS OF KITCHENS

Item No			Quantity	Rate	Amount
	SECTION NO.2				
	BILL NO.3				
	GREASE TRAPS, ETC.				
	For Preambles refer to "Department of Public Works: Specification of material and methods to be used - PW371"				
	The following in catchpits, grease trap chambers, junction boxes and inlet manholes				
1	Excavation not exceeding 2m deep	m3	8		
2	Risk of collapse to sides of trench and hole excavations not exceeding 1,5m deep	m2	17		
3	Rip and scarify ground level to a depth of 150mm and consolidate to 90% mod. AASHTO density (minimum CBR 3)	m2	7		
4	Backfilling to trenches, holes, with materials obtained from excavations	m3	6		
5	Extra over all excavations for carting away surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	2		
6	Keeping excavations free of water		Item		
7	15MPa/19mm concrete surface blinding under footings and bases	m3	0.08		
8	30MPa/19mm concrete in bottoms	m3	0.23		
9	Finishing top surfaces of concrete surface beds smooth with a wood float/steel trowel	m2	2		
10	Smooth formwork to edges, risers, ends and reveals not exceeding 300mm high or wide	m	14		
	Carried to Collection			R	
	Section No. 2 BUILDING WORKS Bill No. 3 GREASE TRAPS, ETC.				

11	Steeledale Mesh standard square fabric mesh, nominal mass 2,45 kg/m² with nominal 5,6mm thick wires and 200 x 200mm pitch (code 245), complying with SANS 1024/2006 requirements, in sheets 2,4 x 6m long.	m2	2		
12	One brick walls	m2	5		
13	Plaster on brick walls	m2	3		
14	1000 x 750mm Grease trap cover formed of 8mm thick vastrap plates with bevelled edges all round, laid loose on welded framing (e/m) , the plates with two U-shaped lifting handles formed of 16mm round bar, the cover to have a locking mechanism at two ends	No	2		
15	Frame size 1000 x 750mm wide formed of 50 x 50 x 6mm welded to form rectangular shape and fixed to brick wall with anchor bolts at 500mm centres	No	2		
16	Padlock (PC Amount R150-00 Vat excl. supplied)	No	2		
17	Suppy and install grease trap complete in line with manufacturer's instructions (PC Amount R10 000-00 Vat excl. ex factory)	No	2		
	Carried to Collection			R	

Section No. 2
BUILDING WORKS
Bill No. 3
GREASE TRAPS, ETC.

Section No. 2

BUILDING WORKS

Bill No. 3

GREASE TRAPS, ETC.

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Section No. 2

BUILDING WORKS

SECTION SUMMARY - BUILDING WORKS

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Section No. 2
BUILDING WORKS

FINAL SUMMARY

FINAL SUMMARY

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1	PRELIMINARIES	28		
2	BUILDING WORKS	53		
	Sub Total 1		R	
	CREDIT FOR ALL REUSABLE MATERIALS REMOVED FROM DEMOLITION WORKS	Item		
	Sub Total 2		R	
	CONTINGENCY SUM			
	Sub Total 3		R	
	Allow the amount of R125 000-00 (One hundred and twenty 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		125,000.00
	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	