

Item	Description	Quantity	Rate	Amount
1/1/1	Preliminaries <u>BILL NO. 1 PRELIMINARIES</u> <u>BUILDING AGREEMENT AND PRELIMINARIES</u> The JBCC Principal Building Agreement (March 2014 Edition 6.1) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described The JBCC Principal Building Agreement contract data form an integral part of this agreement The Preliminaries revision 1 (February 2016) published by the Association of South African Quantity Surveyors for use with the JBCC Principal Building Agreement Edition 6.1 shall be deemed to be incorporated in these bills of quantities, amended as hereinafter described The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"	Item		
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PREAMBLES FOR TRADES

*The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated descriptions utilised in these bills of quantities by inter alia referring to SANS construction standards. **Where such model preambles are not applicable** (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the Standard System of Measuring Building Work (seventh edition) for works within South Africa or the Standard Method of Measuring Building Work for Africa 2015 (first edition) for works elsewhere in Africa, represent the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications*

Note that the text of the Standard System of Measuring Building Work (seventh edition) and that of the Standard Method of Measuring Building Work for Africa 2015 (first edition) is the same

The Model Preambles for Trades 2008 as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these **bills of quantities** and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained

Supplementary preambles and/or specifications are incorporated in these **bills of quantities** to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the Model Preambles

The **contractor's** prices for all items throughout these **bills of quantities** shall take account of and include for all of the obligations, requirements and specifications given in the Model Preambles and in any supplementary preambles and/or specifications

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STRUCTURE OF THIS PRELIMINARIES BILL

Section A : A recital of the headings of the individual clauses of

the aforementioned **JBCC Principal Building Agreement**

Section B : A recital of the headings of the individual clauses of

the aforementioned Preliminaries document

Section C : Any special clauses to meet the particular circumstances of the project

PRICING OF PRELIMINARIES

Should the **contractor** select Option A in the **contract data** for the adjustment of **preliminaries**, the amounts entered against the relevant items in these **preliminaries** are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)

SECTION A: PRINCIPAL BUILDING AGREEMENT

Interpretation (A1-A7)

1/1/2 Clause 1.0 - Definitions and interpretation

Definition of agreement

The definition of **agreement** is replaced with the following definition :

"**AGREEMENT** : The **JBCC** Principal Building Agreement, the completed **JBCC** PBA contract data, the **contract drawings**, the **priced documents** and any other documents reduced to writing and signed by the **parties**"

Pricing of bills of quantities

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The **contractor** is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this **agreement**. Value Added Tax (VAT) is to be separately stated on the summary page of these **bills of quantities**

Items left unpriced will be deemed to be covered in prices against other items throughout these **bills of quantities** and no claim for any extras arising out of the **contractor's** omission to price any item will be entertained

Prices for all **construction equipment**, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary

Abbreviated descriptions

The items in these **bills of quantities** utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the **contractor** shall, before submission of his tender, call for a written directive from the **principal agent**, failing which it shall be assumed that the **contractor** has allowed in his pricing for materials and workmanship in terms of international best practice

Legal status of contractor

If the **contractor** constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:

1. These persons are deemed to be jointly and severally liable to the **employer** for the performance of this agreement

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2. These persons shall notify the **employer** of their leader who has authority to bind the **contractor** and each of these persons

3. The **contractor** shall not alter its composition or legal status without the prior written consent of the **employer**

Errata by JBCC

Omit from definition of **construction period** the words : "excluding annual holiday periods"

Omit from definition of **preliminaries** the word : "priced"

F:..... V:..... T:.....

Item

1/1/3

Clause 2.0 - Law, regulations and notices

User note

Insert the following where a health and safety specification is not yet available

Health and safety

Without limiting the generality of the provisions of clause 2.0, the **contractor's** attention is drawn to the provisions of Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the **employer** shall prepare a documented health and safety specification for the **works** and that the **employer** shall ensure that the **contractor** has made provision for the cost of health and safety measures during the execution of the **works**. The **contractor** shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specification [2.1] ?

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Refer to the **contract data**, the Preliminaries document and "Section B : Preliminaries" of this Bill No. 1 with reference to the provisions of clauses 12.1.2 to 12.1.6 and 12.2.18 of the **JBCC Principal Building Agreement**

Office accommodation

The **contractor** shall provide, maintain and remove on **practical completion** air conditioned office accommodation with suitable tables and chairs for meetings to be held on the **site**. Such offices shall be kept clean and fit for use at all times [12.2.18]

Notice board

The **contractor** shall erect in a position approved by the **principal agent**, maintain and remove on **practical completion** a notice board recommended by the South African Institute of Architects and as approved by the **principal agent** listing the names and logos of the **employer**, the **contractor**, and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the **principal agent** for such notice boards to be erected [12.2.18]

Should access to water, sewer, stormwater and/or electricity connections not be identifiable due to such information not being available or the specific requirements of the contractor cannot be determined, then the following clause may be considered in which event a qualified tender may be expected

Access to water, sewer, stormwater and electricity connections

The **employer** is not in a position to identify access to water, sewer, stormwater and/or electricity connections to the **site** as may be suitable for the execution of the **works**. The **contractor** is to allow what he considers to be required and is to qualify his tender in detail in this regard, failing which it shall be taken that the **contractor** has allowed what will be required for the execution of the **works**. In such case no claims for additional cost or loss shall be entertained [12.1.5] ?

Statutory and other notices

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Statutory and other notices which the contractor must submit and/or comply with before possession of the site can be given are to be stated here or in the contract data. Reference [12.1.6]

If specific information is not available then the user may consider a clause along the following lines

The **contractor** shall submit and/or comply with all statutory and other notices that may be required by any local or other authority in order not to cause any delay to the commencement of the **works** by the **contractor**. The **contractor** shall pay all deposits or fees in this regard [12.1.6]

It is, however, specifically recorded that the **employer** shall be responsible for the timeous approval of building plans by any local or other authorities and the payment of any fees or charges related thereto ?

Errata by JBCC

Clause 12.2.17 Omit the words "[CD] within ten (10) **working days**"

F:..... V:..... T:.....

Item

1/1/13 Clause 13.0 - Setting out

F:..... V:..... T:.....

Item

1/1/14 Clause 14.0 - Nominated **subcontractors**

Errata by JBCC

Clause 14.1.4 Reference should read "[17.1.14]"

Clause 14.6 Reference should read "[17.1.15; 27.1.8]"

Clause 14.7.2 Reference should read "[27.1.8]"

Clause 14.7.3 Reference should read "[27.2.8]"

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1/1/15 Clause 15.0 - Selected **subcontractors**

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	Errata by JBCC Clause 15.2 Reference should read "[17.1.14]" Clause 15.7.2 Reference should read "[27.1.8]" Clause 15.7.3 Reference should read "[27.2.8]" F:..... V:..... T:.....			
1/1/16	Clause 16.0 - Direct contractors Attendance on direct contractors In respect of direct contractors the contractor shall: 1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials 2. Allow the use of personnel welfare facilities, where provided 3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct contract work is to be carried out, other than fuel or power for commissioning of any installation 4. Permit the direct contractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right, while it remains erected on the site [16.1] Errata by JBCC Clause 16.1.3 Reference should read "[26.5]" F:..... V:..... T:.....	Item		
1/1/17	Clause 17.0 - Contract instructions ? Site instructions Instructions issued on site are to be recorded in a site instruction book which is to be supplied and maintained on site by the contractor ?	Item		
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1/1/22	Clause 22.0 - Latent defects liability period F:..... V:..... T:.....	Item		
1/1/23	Clause 23.0 - Revision of date for practical completion Substitution of materials and goods The removal or substitution of any materials and goods which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value [17.1.8, 23.1 & 2] Errata by JBCC Clause 23.2 Reference should read "[26.7]" Clause 23.2.1 Reference should read "[12.1.7]" F:..... V:..... T:.....	Item		
1/1/24	Clause 24.0 - Penalty for late or non-completion F:..... V:..... T:.....	Item		
1/1/25	<u>Payment (A25 - A27)</u> Clause 25.0 - Payment Materials and goods prematurely on site Materials and goods brought onto the site prematurely shall not be authorised for payment [25.3.2] F:..... V:..... T:.....	Item		
1/1/26	Clause 26.0 - Adjustment of the contract value and final account F:..... V:..... T:.....	Item		
1/1/27	Clause 27.0 - Recovery of expense and/or loss F:..... V:..... T:.....	Item		
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Payment of preliminaries

Where Option B is applicable and the initial **construction period** is extended the monthly charge shall be recalculated on the same basis as was initially applied but taking into account the revised **construction period** and the amounts already paid to the **contractor** [CD26.0]

Adjustment of preliminaries

Where the adjustment of **preliminaries** is in terms of Option A, the **construction period** and the initial **construction period** shall be calculated in **working days** [CD 26.0]

Where the adjustment of **preliminaries** is in terms of Option A and sectional completion is required, the **contractor** shall provide the **principal agent** with the division of the categorised amounts into **sections**. Should the **contractor** fail to provide such information within the period stipulated, the categorised amounts shall be prorated to the value of each **section** [CD 26.0]

Where the adjustment of **preliminaries** is required in terms of Option B and sectional completion is required, the **contractor** shall provide the **principal agent** with details of the resources required for each **section** and those that are common to **sections**. Should the **contractor** fail to provide such information within the period stipulated, Option A shall apply [CD 26.0]

Removal of lateral support insurance

Whilst it is stated in clause 10.0 of the **contract data** that the **employer** will not be responsible for **works** and other insurances the **employer** shall nevertheless be responsible for the removal of lateral support insurance in the amount stated

F:..... V:..... T:.....

Item

SECTION B: PRELIMINARIES

Interpretation (B1)

Clause 1.1 - Definitions

F:..... V:..... T:.....

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1/1/33

1/1/34	Clause 1.2 - Interpretation F:..... V:..... T:..... <u>Documents (B2)</u>	Item		
1/1/35	Clause 2.1 - Checking of documents F:..... V:..... T:.....	Item		
1/1/36	Clause 2.2 - Provisional bills of quantities Multiple procurement These bills of quantities are in multiple procurement format ie the "wet trades" - earthworks, concrete, formwork and reinforcement, precast concrete, masonry, waterproofing and sub-surface drainage - are provisionally (fully?) measured and the subsequent trades are budgetary allowances and/or provisional sums ? F:..... V:..... T:.....	Item		
1/1/37	Clause 2.3 - Availability of construction information Budgetary allowances and provisional sums The budgetary allowances and/or provisional sums allocated for subsequent trades included in this agreement will be separately procured, based on multiple procurement of subcontractors during the construction period F:..... V:..... T:.....	Item		
1/1/38	Clause 2.4 - Ordering of materials and goods F:..... V:..... T:..... <u>Previous work and adjoining properties (B3)</u>	Item		
1/1/39	Clause 3.1 - Previous work - dimensional accuracy F:..... V:..... T:.....	Item		
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[illegible]

	<u>Management of contract (B5)</u>		
1/1/50	Clause 5.1 - Management of the works F:..... V:..... T:.....	Item	
1/1/51	Clause 5.2 - Progress meetings F:..... V:..... T:.....	Item	
1/1/52	Clause 5.3 - Technical meetings F:..... V:..... T:.....	Item	
	<u>Samples, shop drawings and manufacturer's instructions (B6)</u>		
1/1/53	Clause 6.1 - Samples of materials F:..... V:..... T:.....	Item	
1/1/54	Clause 6.2 - Workmanship samples F:..... V:..... T:.....	Item	
1/1/55	Clause 6.3 - Shop drawings F:..... V:..... T:.....	Item	
1/1/56	Clause 6.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item	
	<u>Deposits and fees (B7)</u>		
1/1/57	Clause 7.1 - Deposits and fees F:..... V:..... T:.....	Item	
	<u>Temporary services (B8)</u>		
1/1/58	Clause 8.1 - Water F:..... V:..... T:.....	Item	
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1/1/59	Clause 8.2 - Electricity F:..... V:..... T:.....	Item		
1/1/60	Clause 8.3 - Ablution and welfare facilities F:..... V:..... T:.....	Item		
1/1/61	Clause 8.4 - Communication facilities F:..... V:..... T:.....	Item		
	<u>Prime cost amounts (B9)</u>			
1/1/62	Clause 9.1 - Responsibility for prime cost amounts <i>Where details of materials for which prime cost amounts are to be allowed <u>are</u> readily available, the quantity surveyor may elect to insert the relevant prime cost amounts in measured items, which measured items shall contain sufficient detail for the contractor to price for fixing and installation, waste, etc</i> F:..... V:..... T:.....	Item		
	<u>Attendance on subcontractors (B10)</u>			
1/1/63	Clause 10.1 - General attendance <u>User note</u> <i>General attendance is defined as being the duties of the contractor in terms of clause 12.2 of the JBCC n/s subcontract agreement</i> F:..... V:..... T:.....	Item		
1/1/64	Clause 10.2 - Special attendance			
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It is important to note that general attendance only requires the contractor to "permit the subcontractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right while it remains erected on the site" (refer to 12.2.13 of the JBCC n/s subcontract agreement). Many n/s subcontractors qualify their tenders to exclude scaffolding and/or hoisting facilities. Especially scaffolding could be an expensive item and it may be necessary in order to avoid claims to require the contractor to provide for the extended use of scaffolding for specific subcontracts within a description of "special attendance" in the applicable bill

F:..... V:..... T:.....

Item

General (B11)

1/1/65 Clause 11.1 - Protection of the **works**

F:..... V:..... T:.....

Item

1/1/66 Clause 11.2 - Protection/isolation of existing/sectionally occupied **works**

F:..... V:..... T:.....

Item

1/1/67 Clause 11.3 - Security of the **works**

F:..... V:..... T:.....

Item

1/1/68 Clause 11.4 - Notice before covering work

F:..... V:..... T:.....

Item

1/1/69 Clause 11.5 - Disturbance

F:..... V:..... T:.....

Item

Clause 11.6 - Environmental disturbance

F:..... V:..... T:.....

Item

1/1/70 Clause 11.7 - **Works** cleaning and clearing

F:..... V:..... T:.....

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1/1/71	Clause 11.8 - Vermin F:..... V:..... T:.....	Item		
1/1/72	Clause 11.9 - Overhand work F:..... V:..... T:.....	Item		
1/1/73	Clause 11.10 - Tenant installations by direct contractors F:..... V:..... T:.....	Item		
1/1/74	Clause 11.11 - Advertising F:..... V:..... T:.....	Item		
	<u>Preliminaries schedule (B12)</u>			
1/1/75	Information for completion of the preliminaries schedule Information necessary for elections and completion of those clauses contained in the preliminaries schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract 12.1 - Provisional bills of quantities [2.2] The quantities are provisional ? Yes/No ? 12.2 - Availability of construction information [2.3] Construction documentation is complete? Yes/No ? 12.3 - Previous work - dimensional accuracy [3.1] 12.4 - Previous work - defects [3.2] 12.5 - Inspection of adjoining properties [3.3] 12.6 - Defined works area [4.1] F:..... V:..... T:.....	Item		
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SECTION C: SPECIFIC PRELIMINARIES

The warranty will not be enforced if the work is damaged by **defects** in the execution of the **works**, in which case the responsibility for replacement shall rest entirely with the **contractor**

F:..... V:..... T:.....

Item

1/1/76 Overtime

Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the **contractor** unless the **principal agent** has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the **employer**

F:..... V:..... T:.....

Item

1/1/77 Co-operation of the **contractor** for cost management

It is specifically agreed that the **contractor** accepts the obligation of assisting the **principal agent** in implementing proper cost management. The **contractor** will be advised by the **principal agent** of all cost management procedures which will be implemented to ensure that the **contract value** does not exceed the budget

F:..... V:..... T:.....

Item

1/1/78 Overloading

The **contractor** shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the **works** or temporary works eg scaffolding, etc. The **contractor** shall submit details of his proposed loading, storage, plant erection, etc to the **principal agent** for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the **principal agent's** requirements in connection with the provision of temporary support work, etc. Any damage caused to the **works** by overloading shall be made good by the **contractor** at his sole expense

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1/1/79	Propping of floors below The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor F:..... V:..... T:.....	Item		
1/1/80	Testing of flat roof waterproofing for watertightness Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least forty (40) hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing F:..... V:..... T:.....	Item		
1/1/81	Green star building certification <u>User note</u> <i>Insert the provisions called for by the relevant green star consultant should it be a requirement that the project be submitted for green star certification</i> F:..... V:..... T:.....	Item		
1/1/82	Broad based black economic empowerment (BBBEE) Tenders submitted will be evaluated taking into account their empowerment rating The employer will be monitoring the broad based black economic empowerment (BBBEE) status of the contractor throughout the execution of the works			
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	The contractor is to submit to the principal agent on an annual basis a schedule of spend, split into vendors engaged as subcontractors and suppliers indicating their BBBEE rating including proof of the said rating F:..... V:..... T:.....	Item		
1/1/83	Advertising rights The employer may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The contractor shall not prevent such an arrangement and will assist in the facilitation of same. Position and type of advertising structure to be agreed with the principal agent so as not to hinder the contractor in meeting the obligations under this agreement F:..... V:..... T:.....	Item		
1/1/84	Confidentiality The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works No information regarding this project shall be published or disclosed without the prior written consent of the employer F:..... V:..... T:.....	Item		
1/1/85	Media releases All rights of publication of articles in the media, together with any advertising relating thereto or in any way connected with this project, shall vest with the employer The contractor together with his subcontractors shall not, without the prior written consent of the employer, cause any statement or advertisement connected with this project to be printed, screened or aired by the media F:..... V:..... T:.....	Item		
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SUMMARY OF CATEGORIES

Category : Fixed R.....

Category : Value R.....

Category : Time R.....

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<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION N0. 2</u> <u>BILL N0. 1</u> <u>ALTERATIONS AND REPAIRS</u> <u>DEMOLITION WORKS</u> NOTE: Tenderers are advised to study the (GP ASC Rev 0) "Specification of materials and methods to be used-General specification for building contracts standard conditions" before pricing this bill. Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>NOTE:</u> NOTE: All units rates must take into account and will be assumed to include all applicable taxes. No additional claims relating to taxes will be entertained. NOTE: Unless otherwise stated herein, all work in this trade shall be executed in accordance with the procedures of the Expanded Public Works Programme.				
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View site

Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for a compensation event in respect of the nature and extent of the work or of inferior or damaged materials will be entertained

Explosives

No explosives whatsoever may be used for demolition purposes unless otherwise stated

Existing structures

In taking down and removing existing work, the utmost care shall be taken to prevent any structural or other damage to the remaining portions on the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensure the stability of all structures during the alteration work, Any damage to the structure and/or building as well as the rectification of same will be for the contractor;s account

Services

Special care shall be exercised during the progress of the work to ensure that electrical installation, water supply pipes, telephone and other services which may be encountered are not interfered with and notice shall be given to the Representative/Agent if any disconnection or alterations become necessary.

Dust and noise

The Contractor is to take all necessary precautions to the satisfaction of the Representative/Agent to prevent any nuisance from the dust and /or noise whilst carrying out the work.

Disposal of debris

The Contractor shall be responsible for the removal from site of all materials, debris and rubbish resulting from the work which removal is deemed to be included in the rates unless otherwise stated.

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Rates for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing

With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)

Old materials to be carted away

Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, etc. must regularly be carted away from the site and not to be allowed to accumulate on or around the site

Old materials not to be re-used.

None of the old materials are to be re-used for new work, except where specifically described as being set aside for re-use.

Handing over of materials

Where certain materials or articles from the demolitions or alterations are described as to be handed over by the contractor to the representative/Agent, such materials or articles shall be properly stored by the contractor untill handing over thereof. The contractor must obtain an official receipt listing materials or articles and dates of handing over. if the contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the contractor

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Temporary support to openings through existing walls

Making openings, altering openings in existing walls and removing lintols above existing openings shall be done with the utmost care to prevent any structural damage. All necessary supports, propping, shoring, needling, strutting, turning pieces, etc. to walls openings is deemed to be included in the contractor's rates.

Electrical and Mechanical

Where items include for taking down electrical and mechanical fittings the disconnection and making safe electrically is deemed to be included.

TEMPORARY BARRIERS, SCREENS, ETC

Temporary barriers, screens, etc including removal

2/1/1	Barrier 2000mm high separating main building from occupied buildings, formed of galvanised steel channel sections rails and studs filled with minimum 12,7mm timber panels, including corners, ends, etc. or waist-line protector to avoid people coming to site work	m	30		
-------	---	---	----	--	--

REMOVAL OF EXISTING WORK

Breaking down and removing concrete

2/1/2	Hack up and remove screed from floors	m2	5		
2/1/3	Demolish Surface bed, ramps etc	m2	20		

Taking up and removing vinyl floor coverings, carpeting, etc

2/1/4	Vinyl floor tiles including preparing screed for new ceramic floor tiles	m2	290		
-------	--	----	-----	--	--

Hacking up/off and removing existing Concrete Roofing, damaged purlins, gutters, downpipes, etc from brickwork and preparing surfaces for new roofing, etc

2/1/5	Hack up and remove existing Damaged Fascias	m	10		
2/1/6	Hack up and remove existing gutters, downpipes, etc.	m	18		

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	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u>				
2/1/7	Hack off damaged internal plaster from walls	m2	10		
	<u>Hacking up/off and removing damaged putty, glazing, etc from steel windows and preparing surfaces for new putty and glazing, etc</u>				
2/1/8	Hack up and remove putty, glazing, etc.	m2	6		
	<u>Taking up and removing metalworks, doors, door frames, etc</u>				
2/1/9	Take out existing door frames and make good to receive new frames, etc.	No	2		
	<u>Taking up and removing ironmongery, etc</u>				
2/1/10	Take out existing Ironmongery set aside and make provision for new Ironmonger, etc. (LI)	No	7		
	<u>Repair Surface Cracks</u>				
2/1/11	Expose the aggregate by means of chiselling, sand blasting or high pressure water jetting or where it can be shown to produce the required aggregate exposure, a hard brush may be used subject to the approval of the Engineer	m	10		
	<u>Hacking and Removal of Skirtings replace with New skirting</u>				
2/1/12	Skirtings	m	330		
	<u>Scrape off existing paint</u>				
2/1/13	On windows	m2	6		
2/1/14	On door frames	m2	7		
2/1/15	On walls	m2	650		
2/1/16	On Door Panels	m2	9		
	Carried to Collection			R	
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2/1/17	On posts	m	1
	<u>Roof Repair</u>		
2/1/18	Take out damaged IBR roofing sheets	m ²	140
	<u>Taking down and removing ceiling</u>		
2/1/19	Take down and remove damaged ceiling	m ²	290
	<u>Take down and remove pinning boards, writing boards, chalkboards etc.,</u>		
2/1/20	Pinning boards	No	7
2/1/21	Writing Boards, etc.	No	7
	<u>Taking out and removing piping, sanitary fittings, etcincluding disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>		
2/1/22	Remove vitreous china wash hand basin	No	2
2/1/23	Remove toilet pan	No	2
	<u>Sealing Joints</u>		
2/1/24	Construct a new construction joint between the window frame and the wall to seal the visible gaps	m	2.0
2/1/25	Remove damaged expansion joints, clean and clear the surface and construct new expansion joints	m	3
	<u>PREPARATORY WORK TO EXISTING SURFACES</u>		
2/1/26	Clean internal and external facebrick walls	m ²	100
	<u>MAKING GOOD OF FINISHES ETC</u>		
	<u>Making good internal cement plaster</u>		
2/1/27	Making Good walls in patches	m ²	5
	Carried to Collection		
	Nkonki & Associates (c) 2023 BLOCK A (ADMINISTRATION) Bill No. 1 Alterations and Repairs		
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2/1/28	Making good floors in patches	m2	5
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BLOCK A (ADMINISTRATION)

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Alterations and Repairs

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Item	Description	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 2</u>				
<u>CONCRETE, FORMWORKAND REINFORCEMENT</u>				
NOTE:				
Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.				
<u>REINFORCED CONCRETE</u>				
<u>25MPa reinforced concrete</u>				
2/2/1	Apron / ramps	m3	3	
<u>TEST CUBES</u>				
2/2/2	Making and testing 150 x 150 x 150mm (set of six) concrete strength test cubes (Provisional)	No	1	
<u>CONCRETE SUNDRIES</u>				
<u>Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish</u>				
2/2/3	Aprons etc	m2	50	
<u>ROUGH FORMWORK</u>				
2/2/4	Edges,risers,ends and reveals not exceeding 300mm high or wide	m	30	
<u>MOVEMENT JOINTS ETC</u>				
Carried to Collection				R
Nkonki & Associates (c) 2023 2 BLOCK A (ADMINISTRATION) Bill No. 2 Concrete, Formwork and Reinforcement				
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2/2/5

m

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Concrete, Formwork and Reinforcement

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Concrete, Formwork and Reinforcement

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<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 3</u>			
	<u>ROOF COVERINGS ETC</u>			
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 124 for CPAP formula purposes.			
	Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.			
	Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.			
	<u>ROOF COVERINGS</u>			
	<u>ROOF TO MATCH EXISTING</u>			
	<u>IBR roofing</u>			
2/3/1	Roof covering	m2	140	
2/3/2	Apply approved waterproofing paint / sealant to the roof sheeting	m2	350	
	<u>ROOF AND WALL INSULATION</u>			
	<u>Insulation</u>			
2/3/3	Insulation laid taut over purlins (at approximately 1 200mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	140	
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	Nkonki & Associates (c) 2023 2 BLOCK A (ADMINISTRATION) Bill No. 3 Roof Coverings			
	IDTMPU-WP1.3-DOE PROG			

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 4</u>			
	<u>CARPENTRY AND JOINERY</u>			
	Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc			
	NOTE:			
	Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.			
	Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.			
	<u>EAVES , VERGES , ETC</u>			
	<u>Fibre Cement Fascia Board</u>			
2/4/1	15 x 225mm Fascias and barge boards screwed to timber trusses (elsewhere) with two brass screws at maximum 1,200mm centres and jointed with and including standard aluminium half round cover strips at all joints	m	20	
	<u>DOORS</u>			
	<u>Wrought meranti doors hung to steel frame, etc</u>			
2/4/2	Single Doors 44mm Framed batten door 813mm x 2032m high, as per Architect's Specification	No	7	
			</	

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 5</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	NOTE: Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.			
	<u>NAILED UP CEILINGS</u>			
	<u>6,4mm "Rhino" gypsum plasterboard with H-type pressed steel jointing strips</u>			
2/5/1	Horizontal ceilings, including 38 x 38mm sawn softwood brandering at maximum 400mm centres in one direction only to trusses (elsewhere measured).	m2	286	
2/5/2	Extra over ceiling for 900 x 900mm trap door of 6mm wrought softwood rebated framing with one 50 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	1	
2/5/3	Coved cornice	m	328	
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	Nkonki & Associates (c) 2023 2 BLOCK A (ADMINISTRATION) Bill No. 5 Ceilings, Partitions and Access Flooring			
	IDTMPU-WP1.3-DOE PROG			

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<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u> <u>BILL NO. 7</u> <u>IRONMONGERY</u> NOTE: Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Finishes to ironmongery</u> Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded <u>HINGES, BOLTS, ETC.</u>			
	Carried to Collection		R	
	Nkonki & Associates (c) 2023 2 BLOCK A (ADMINISTRATION) Bill No. 6 Ironmongery IDTMPU-WP1.3-DOE PROG			

	<u>Three lever mortice lockset and satin chrome plated handles Solid Art 390/313</u>				
2/6/1	Three lever mortice lockset	No	7		
2/6/2	Stays, latches, handles, hinges, etc to existing window frames	No	7		
	<u>HANDLES</u>				
	<u>"Dorma" or other equal and approved</u>				
2/6/3	DFP-SS-026 102 x 50mm Rectangular Flush Pull Handle	No	7		
	<u>PUSH PLATES AND KICKING PLATES</u>				
	<u>"Dorma" or other equal and approved</u>				
2/6/4	Stainless steel 150x300x1.2mm thick grade 430 plate with cylinder cutout	No	7		
	<u>DOOR CLOSERS</u>				
	<u>"Dorma" or other equal and approved</u>				
2/6/5	TS91B silver Non Hold Open cam action slide channel door closer	No	7		
	<u>SIGNAGE</u>				
	<u>200 x 30mm High signs with 15mm high letters and numerals fixed with two self-tapping screws to steel and reading as follows:-</u>				
2/6/6	50mm High plastic letter or numeral	No	7		
	<u>CHALK BOARDS AND PINBOARDS</u>				
	<u>Bulletin Board with carpet pinning surface and sturdy ribbed Aluminium Frame 2400 x 1200mm</u>				
2/6/7	Pinboard	No	7		
	<u>SUNDRIES</u>				
			Carried to Collection		
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2/6/8	<u>Door stops or other equal and approved</u> 38mm Diameter rubber door stop plugged and screwed to floor with a 50mm long br	No	7	
	Carried to Collection Nkonki & Associates (c) 2023 2 BLOCK A (ADMINSTRATION) Bill No. 6 Ironmongery IDTMPU-WP1.3-DOE PROG			R

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Bill No. 6

Ironmongery

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Item	Description	Quantity	Rate	Amount
	<u>SECTION NO. 2</u> <u>BILL NO. 8</u> <u>PLASTERING</u> NOTE: Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities. <u>SCREEDS</u> 2/7/1 On floors m2 10 <u>INTERNAL PLASTER</u> <u>One coat smooth cement and sand render</u> 2/7/2 On walls m2 5 <u>EXTERNAL PLASTER</u> <u>One coat smooth cement and sand render</u> 2/7/3 On walls m2 10			
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<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u> <u>BILL NO. 9</u> <u>METALWORK</u> NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 136 for CPAP formula purposes. Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>PRICES</u> <u>Fixings, etc</u> Prices for all items shall include for all coupling members and fixing to steel, concrete or brickwork, including all lugs, cramps, shims, bolts, mortices, grouting, etc as required for a complete installation and for perimeter pointing with polysulphide sealant or similar compound. <u>Glazing</u> Prices for all items shall include for glazing with glass as specified in the description, including all necessary glazing beads, gaskets, etc.			
	Carried to Collection		R	
	Nkonki & Associates (c) 2023 2 BLOCK A (ADMINISTRATION) Bill No. 8 Metalwork IDTMPU-WP1.3-DOE PROG			

Protection of frames

All exposed aluminium work shall be protected by means of low tack adhesive tape against mortar droppings and other non-mechanical damage during installation which shall only be removed when directed by the Architect.

Size of opening

Tenderers shall check sizes of openings on site prior to any manufacturing being put in hand.

Note:

Tenderers are referred to the Architect's window schedules bound to the back of these bills of quantities for full specifications of items as measured.

Manufacture, Supply and install natural anodised aluminium windows, including glass all fittings, beads, sealants, gasket, sub frames, building in, pointing, etc all as per typical details annexed to these bills of quantities.

PRESSED STEEL DOOR FRAMES, INCLUDING BUILDING INTO BRICKWORK

1.6mm thick Hot dipped GMS frame for door with 1 pair heavy duty hinges, Double rebated

2/8/1

To suit 813 x 2032mm high door and half brick thick wall

No

2

WELDED SCREENS, GATES, ETC

Steel gates and frames

2/8/2

Single gate and frame 900 x 2 100mm high overall, the outer frame of 45 x 45 x 3mm hollow section bolted to wall with and including eight 70mm M80 expansion bolts and the gate 900 x 2 100mm high of 40 x 60 x 2mm hollow section frame with two 40 x 6mm flat section horizontal rails filled in with 20mm diameter vertical rails at 110mm centres fitted with one and a half pairs of suitable pin hinges welded to hollow section steel frame, complete with and including 150mm barrel bolt and padlock

No

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Bill No. 8

Metalwork

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Item	Description	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 10</u>				
<u>TILING</u>				
NOTE:				
Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.				
Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Descriptions</u>				
Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding.				
<u>300 x 300mm Ceramic Floor Tiles</u>				
2/9/1	On Floors	m2	286	
<u>Ceramic Skirting Tiling</u>				
2/9/2	Skirting tiles	m	328	
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Nkonki & Associates (c) 2023 2 BLOCK A (ADMINSTRATION) Bill No. 9 Tilling				
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<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 13</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>(PROVISIONAL)</u>			
	NOTE:			
	Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.			
	Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.			
	<u>RAINWATER DISPOSAL</u>			
	<u>Roof Drain Outlets</u>			
	<u>Gutter and Downpipe Roof Drainage System</u>			
2/10/1	Galvanised mild steel sheet gutter system.	m	20	
2/10/2	100mm Diameter galvanized m/s rainwater downpipe fixed to walls on alloy brackets at not exceeding 1500 mm centres.	m	18	
2/10/3	Extra for angle	No	4	
2/10/4	Extra for stop end	No	2	
2/10/5	Extra for outlet for 100mm pipe	No	2	
	Carried to Collection			R
	Nkonki & Associates (c) 2023 2 BLOCK A (ADMINISTRATION) Bill No. 10 Plumbing and Drainage (Provisional)			
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Bill No. 10

Plumbing and Drainage (Provisional)

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 Bill No. 10
 Plumbing and Drainage (Provisional)

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<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u> <u>BILL NO. 12</u> <u>GLAZING</u> <u>PREAMBLES</u> <u>SUPPLEMENTARY PREAMBLES</u> The Tenderer is advised to refer to the works information before pricing this Bill NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 150 for CPAP formula purposes. ----- Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.			
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	Nkonki & Associates (c) 2023 2 BLOCK A (ADMINISTRATION) Bill No. 11 Glazing IDTMPU-WP1.3-DOE PROG			

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Bill No. 11

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 Glazing

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Item	Description	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 13</u>				
<u>PAINTWORK</u>				
NOTE:				
Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.				
Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.				
<u>ON INTERNAL PLASTER, CEILING</u>				
<u>Prepare and apply one coat primer and two coats 'WALL N' ALL' emulsion paint (colour to be approved by the Department of Education) on</u>				
2/12/1	On internal walls	m2	770	
2/12/2	On narrow widths	m2	10	
<u>Prepare and apply one coat primer and two coats 'WALL N' ALL' emulsion paint (colour to be approved by the Department of Education) on</u>				
2/12/3	On ceiling	m2	286	
<u>ON FIBRE CEMENT</u>				
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Nkonki & Associates (c) 2023 2 BLOCK A (ADMINSTRATION) Bill No. 12 Paintwork				
IDTMPU-WP1.3-DOE PROG				

ON METAL

ON WOOD

Prepare and apply one coat calcium plumbate primer, one coat undercoat and one coat gloss enamel paint

One coat oil wood primer, one coat universal undercoat and two coats varnish on

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BLOCK A (ADMINISTRATION)

Bill No. 12

Paintwork

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 Paintwork

IDTMPU-WP1.3-DOE PROG

Nkonki & Associates

BLOCK A (ADMINISTRATION)

SECTION SUMMARY - BLOCK A (ADMINISTRATION)

<u>Bill No</u>		<u>Page No</u>	<u>Amount</u>
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2/2	Concrete, Formwork and Reinforcement	37	
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<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION N0. 2</u> <u>BILL N0. 1</u> <u>ALTERATIONS AND REPAIRS</u> <u>DEMOLITION WORKS</u> NOTE: Tenderers are advised to study the (GP ASC Rev 0) "Specification of materials and methods to be used-General specification for building contracts standard conditions" before pricing this bill. Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>NOTE:</u> NOTE: All units rates must take into account and will be assumed to include all applicable taxes. No additional claims relating to taxes will be entertained. NOTE: Unless otherwise stated herein, all work in this trade shall be executed in accordance with the procedures of the Expanded Public Works Programme.				
	Carried to Collection				
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				R	

View site

Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for a compensation event in respect of the nature and extent of the work or of inferior or damaged materials will be entertained

Explosives

No explosives whatsoever may be used for demolition purposes unless otherwise stated

Existing structures

In taking down and removing existing work, the utmost care shall be taken to prevent any structural or other damage to the remaining portions on the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensure the stability of all structures during the alteration work, Any damage to the structure and/or building as well as the rectification of same will be for the contractor;s account

Services

Special care shall be exercised during the progress of the work to ensure that electrical installation, water supply pipes, telephone and other services which may be encountered are not interfered with and notice shall be given to the Representative/Agent if any disconnection or alterations become necessary.

Dust and noise

The Contractor is to take all necessary precautions to the satisfaction of the Representative/Agent to prevent any nuisance from the dust and /or noise whilst carrying out the work.

Disposal of debris

The Contractor shall be responsible for the removal from site of all materials, debris and rubbish resulting from the work which removal is deemed to be included in the rates unless otherwise stated.

Carried to Collection

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 BLOCK B,C & D (CLASSROOMS)
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 Alterations and Repairs

IDTMPU-WP1.3-DOE PROG

Rates for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing

With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)

Old materials to be carted away

Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, etc. must regularly be carted away from the site and not to be allowed to accumulate on or around the site

Old materials not to be re-used.

None of the old materials are to be re-used for new work, except where specifically described as being set aside for re-use.

Handing over of materials

Where certain materials or articles from the demolitions or alterations are described as to be handed over by the contractor to the representative/Agent, such materials or articles shall be properly stored by the contractor untill handing over thereof. The contractor must obtain an official receipt listing materials or articles and dates of handing over. if the contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the contractor

Carried to Collection

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 Bill No. 1
 Alterations and Repairs

IDTMPU-WP1.3-DOE PROG

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Temporary support to openings through existing walls

Making openings, altering openings in existing walls and removing lintols above existing openings shall be done with the utmost care to prevent any structural damage. All necessary supports, propping, shoring, needling, strutting, turning pieces, etc. to walls openings is deemed to be included in the contractor's rates.

Electrical and Mechanical

Where items include for taking down electrical and mechanical fittings the disconnection and making safe electrically is deemed to be included.

TEMPORARY BARRIERS, SCREENS, ETC

Temporary barriers, screens, etc including removal

3/1/1	Barrier 2000mm high separating main building from occupied buildings, formed of galvanised steel channel sections rails and studs filled with minimum 12,7mm timber panels, including corners, ends, etc. or waist-line protector to avoid people coming to site work	m	50
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REMOVAL OF EXISTING WORK

Breaking down and removing concrete

3/1/2	Hack up and remove screed from floors	m2	10
3/1/3	Demolish Surface bed, ramps etc	m2	200

Taking up and removing ceramic floor tiles, vinyl floor coverings, carpeting, etc

3/1/4	Vinyl floor tiles including preparing screed for new ceramic floor tiles	m2	620
-------	--	----	-----

Hacking up/off and removing existing Concrete Roofing, damaged purlins, gutters, downpipes, etc from brickwork and preparing surfaces for new roofing, etc

3/1/5	Hack up and remove existing Damaged Fascias	m	252
3/1/6	Hack up and remove existing gutters, downpipes, etc.	m	54

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BLOCK B,C & D (CLASSROOMS)
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Alterations and Repairs

IDTMPU-WP1.3-DOE PROG

	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u>				
3/1/7	Hack off damaged internal plaster from walls	m2	20		
	<u>Hacking up/off and removing damaged putty, glazing, etc from steel windows and preparing surfaces for new putty and glazing, etc</u>				
3/1/8	Hack up and remove putty, glazing, etc.	m2	6		
	<u>Taking up and removing metalworks, doors, door frames, etc</u>				
3/1/9	Take out existing door frames and make good to receive new frames, etc.	No	8		
	<u>Taking up and removing ironmongery, etc</u>				
3/1/10	Take out existing Ironmongery set aside and make provision for new Ironmonger, etc. (LI)	No	15		
	<u>Repair Surface Cracks</u>				
3/1/11	Expose the aggregate by means of chiselling, sand blasting or high pressure water jetting or where it can be shown to produce the required aggregate exposure, a hard brush may be used subject to the approval of the Engineer	m	10		
	<u>Hacking and Removal of Skirtings replace with New skirting</u>				
3/1/12	Skirtings	m	348		
	<u>Scrape off existing paint</u>				
3/1/13	On windows	m2	60		
3/1/14	On door frames	m2	15		
3/1/15	On walls	m2	627		
3/1/16	On Door Panels	m2	66		
	Carried to Collection			R	
	Nkonki & Associates (c) 2023 3 BLOCK B,C & D (CLASSROOMS) Bill No. 1 Alterations and Repairs				
	IDTMPU-WP1.3-DOE PROG				

3/1/17	On posts	m	1
	<u>Roof Repair</u>		
3/1/18	Take out damaged IBR roofing sheets	m ²	250
	<u>Taking down and removing ceiling</u>		
3/1/19	Take down and remove damaged ceiling	m ²	850
	<u>Take down and remove pinning boards, writing boards, chalkboards etc.,</u>		
3/1/20	Pinning boards	No	12
3/1/21	Writing Boards, etc.	No	12
	<u>Taking out and removing glass and mirrors</u>		
3/1/22	Remove putty and take off damaged glass from steel windows including cleaning out rebates and preparing for new glass (LI)	m ²	14
	<u>Sealing Joints</u>		
3/1/23	Construct a new construction joint between the window frame and the wall to seal the visible gaps	m	3.0
3/1/24	Remove damaged expansion joints, clean and clear the surface and construct new expansion joints	m	10
	<u>PREPARATORY WORK TO EXISTING SURFACES</u>		
3/1/25	Clean internal and external facebrick walls	m ²	630
	<u>MAKING GOOD OF FINISHES ETC</u>		
	<u>Making good internal cement plaster</u>		
3/1/26	Making Good walls in patches	m ²	30
3/1/27	Making good floors in patches	m ²	30
	Carried to Collection		
	Nkonki & Associates (c) 2023 BLOCK B,C & D (CLASSROOMS) Bill No. 1 Alterations and Repairs		
	IDTMPU-WP1.3-DOE PROG		

BLOCK B,C & D (CLASSROOMS)

Bill No. 1

Alterations and Repairs

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 BLOCK B,C & D (CLASSROOMS)
 Bill No. 1
 Alterations and Repairs

IDTMPU-WP1.3-DOE PROG

Item	Description	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 2</u>				
<u>CONCRETE, FORMWORKAND REINFORCEMENT</u>				
NOTE:				
Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.				
<u>REINFORCED CONCRETE</u>				
<u>25MPa reinforced concrete</u>				
3/2/1	Apron / ramps	m3	15	
<u>TEST CUBES</u>				
3/2/2	Making and testing 150 x 150 x 150mm (set of six) concrete strength test cubes (Provisional)	No	1	
<u>CONCRETE SUNDRIES</u>				
<u>Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish</u>				
3/2/3	Aprons etc	m2	200	
<u>ROUGH FORMWORK</u>				
3/2/4	Edges,risers,ends and reveals not exceeding 300mm high or wide	m	252	
<u>MOVEMENT JOINTS ETC</u>				
Carried to Collection				R
Nkonki & Associates (c) 2023 3 BLOCK B,C & D (CLASSROOMS) Bill No. 2 Concrete, Formwork and Reinforcement				
IDTMPU-WP1.3-DOE PROG				

3/2/5

m

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 BLOCK B,C & D (CLASSROOMS)
 Bill No. 2
 Concrete, Formwork and Reinforcement

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BLOCK B,C & D (CLASSROOMS)

Bill No. 2

Concrete, Formwork and Reinforcement

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BLOCK B,C & D (CLASSROOMS)

Bill No. 2

Concrete, Formwork and Reinforcement

IDTMPU-WP1.3-DOE PROG

Item	Description	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 3</u>				
<u>ROOF COVERINGS ETC</u>				
NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 124 for CPAP formula purposes.				
Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.				
Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.				
<u>ROOF COVERINGS</u>				
<u>ROOF AND ACCESSORIES TO MATCH EXISTING</u>				
<u>IBR roofing</u>				
3/3/1	Roof covering	m2	250	
3/3/2	Apply approved waterproofing paint / sealant to the roof sheeting	m2	900	
<u>ROOF AND WALL INSULATION</u>				
Carried to Collection				R
Nkonki & Associates (c) 2023 3 BLOCK B,C & D (CLASSROOMS) Bill No. 3 Roof Coverings				
IDTMPU-WP1.3-DOE PROG				

3/3/3	<u>Insulation</u> Insulation laid taut over purlins (at approximately 1 200mm centres) and fixed concurrent with roof covering including galvanised steel straining wires m2 30			
	Carried to Collection Nkonki & Associates (c) 2023 3 BLOCK B,C & D (CLASSROOMS) Bill No. 3 Roof Coverings IDTMPU-WP1.3-DOE PROG		R	

BLOCK B,C & D (CLASSROOMS)

Bill No. 3

Roof Coverings

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 BLOCK B,C & D (CLASSROOMS)
 Bill No. 3
 Roof Coverings

IDTMPU-WP1.3-DOE PROG

Item	Description	Quantity	Rate	Amount
	<u>SECTION NO. 2</u> <u>BILL NO. 4</u> <u>CARPENTRY AND JOINERY</u> Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc NOTE: Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities. <u>EAVES , VERGES , ETC</u> <u>Fibre Cement Fascia Board</u> 3/4/1 15 x 225mm Fascias and barge boards screwed to timber trusses (elsewhere) with two brass screws at maximum 1,200mm centres and jointed with and including standard aluminium half round cover strips at all joints m 252 <u>DOORS</u> <u>Wrought meranti doors hung to steel frame, etc</u> 3/4/2 Single Door 44mm Framed batten door 813 x 2032mm high, as per Architect's Specification No 15			
	Carried Forward to Summary of Section No. 3 Nkonki & Associates (c) 2023 3 BLOCK B,C & D (CLASSROOMS) Bill No. 4 Capentry and Joinery IDTMPU-WP1.3-DOE PROG		R	

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 5</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	NOTE: Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.			
	<u>NAILED UP CEILINGS</u>			
	<u>6,4mm "Rhino" gypsum plasterboard with H-type pressed steel jointing strips</u>			
3/5/1	Horizontal ceilings, including 38 x 38mm sawn softwood brandering at maximum 400mm centres in one direction only to trusses (elsewhere measured).	m2	850	
3/5/2	Extra over ceiling for 900 x 900mm trap door of 6mm wrought softwood rebated framing with one 50 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	12	
3/5/3	Coved cornice	m	348	
	Carried Forward to Summary of Section No. 3			
	Nkonki & Associates (c) 2023 3 BLOCK B,C & D (CLASSROOMS) Bill No. 5 Ceilings, Partitions and Access Flooring			
	IDTMPU-WP1.3-DOE PROG			

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<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u> <u>BILL NO. 7</u> <u>IRONMONGERY</u> NOTE: Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Finishes to ironmongery</u> Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded <u>HINGES, BOLTS, ETC.</u>			
	Carried to Collection		R	
	Nkonki & Associates (c) 2023 3 BLOCK B,C & D (CLASSROOMS) Bill No. 6 Ironmongery IDTMPU-WP1.3-DOE PROG			

[illegible]

BLOCK B,C & D (CLASSROOMS)

Bill No. 6

Ironmongery

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 BLOCK B,C & D (CLASSROOMS)
 Bill No. 6
 Ironmongery

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<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 8</u>			
	<u>PLASTERING</u>			
	NOTE:			
	Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.			
	Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.			
	<u>SCREEDS</u>			
3/7/1	On floors	m2	30	
	<u>INTERNAL PLASTER</u>			
	<u>One coat smooth cement and sand render</u>			
3/7/2	On walls	m2	30	
	<u>EXTERNAL PLASTER</u>			
	<u>One coat smooth cement and sand render</u>			
3/7/3	On walls	m2	30	
	Carried Forward to Summary of Section No. 3			R
	Nkonki & Associates (c) 2023 3 BLOCK B,C & D (CLASSROOMS) Bill No. 7 Plastering			
	IDTMPU-WP1.3-DOE PROG			

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u> <u>BILL NO. 9</u> <u>METALWORK</u> NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 136 for CPAP formula purposes. Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>PRICES</u> <u>Fixings, etc</u> Prices for all items shall include for all coupling members and fixing to steel, concrete or brickwork, including all lugs, cramps, shims, bolts, mortices, grouting, etc as required for a complete installation and for perimeter pointing with polysulphide sealant or similar compound. <u>Glazing</u> Prices for all items shall include for glazing with glass as specified in the description, including all necessary glazing beads, gaskets, etc.			
	Carried to Collection		R	
	Nkonki & Associates (c) 2023 3 BLOCK B,C & D (CLASSROOMS) Bill No. 8 Metalwork IDTMPU-WP1.3-DOE PROG			

Protection of frames

All exposed aluminium work shall be protected by means of low tack adhesive tape against mortar droppings and other non-mechanical damage during installation which shall only be removed when directed by the Architect.

Size of opening

Tenderers shall check sizes of openings on site prior to any manufacturing being put in hand.

Note:

Tenderers are referred to the Architect's window schedules bound to the back of these bills of quantities for full specifications of items as measured.

Manufacture, Supply and install natural anodised aluminium windows, including glass all fittings, beads, sealants, gasket, sub frames, building in, pointing, etc all as per typical details annexed to these bills of quantities.

PRESSED STEEL DOOR FRAMES, INCLUDING BUILDING INTO BRICKWORK

1.6mm thick Hot dipped GMS frame for door with 1 pair heavy duty hinges, Double rebated

3/8/1

To suit 813 x 2032mm high door and half brick thick wall

No

5

WELDED SCREENS, GATES, ETC

Steel gates and frames

3/8/2

Single gate and frame 900 x 2 100mm high overall, the outer frame of 45 x 45 x 3mm hollow section bolted to wall with and including eight 70mm M80 expansion bolts and the gate 900 x 2 100mm high of 40 x 60 x 2mm hollow section frame with two 40 x 6mm flat section horizontal rails filled in with 20mm diameter vertical rails at 110mm centres fitted with one and a half pairs of suitable pin hinges welded to hollow section steel frame, complete with and including 150mm barrel bolt and padlock

No

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Nkonki & Associates (c) 2023 3
 BLOCK B,C & D (CLASSROOMS)
 Bill No. 8
 Metalwork

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BLOCK B,C & D (CLASSROOMS)

Bill No. 8

Metalwork

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 BLOCK B,C & D (CLASSROOMS)
 Bill No. 8
 Metalwork

IDTMPU-WP1.3-DOE PROG

Item	Description	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 10</u>				
<u>TILING</u>				
NOTE:				
Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.				
Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Descriptions</u>				
Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding.				
<u>300 x 300mm Ceramic Floor Tiles</u>				
3/9/1	On Floors	m2	850	
<u>Ceramic Skirting Tiling</u>				
3/9/2	Skirting tiles	m	348	
Carried Forward to Summary of Section No. 3				R
Nkonki & Associates (c) 2023 3 BLOCK B,C & D (CLASSROOMS) Bill No. 9 Tilling				
IDTMPU-WP1.3-DOE PROG				

<u>Item</u>	<u>Description</u>		<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 13</u>				
	<u>PLUMBING AND DRAINAGE</u>				
	<u>(PROVISIONAL)</u>				
	NOTE:				
	Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.				
	Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.				
	<u>RAINWATER DISPOSAL</u>				
	<u>Roof Drain Outlets</u>				
	<u>Gutter and Downpipe Roof Drainage System</u>				
3/10/1	Galvanised mild steel sheet gutter system.	m	62		
3/10/2	100mm Diameter galvanized m/s rainwater downpipe fixed to walls on alloy brackets at not exceeding 1500 mm centres.	m	18		
3/10/3	Extra for angle	No	36		
3/10/4	Extra for stop end	No	12		
3/10/5	Extra for outlet for 100mm pipe	No	18		
	Carried to Collection			R	
	Nkonki & Associates (c) 2023 3 BLOCK B,C & D (CLASSROOMS) Bill No. 10 Plumbing and Drainage (Provisional)				
	IDTMPU-WP1.3-DOE PROG				

SAMBO PRIMARY SCHOOL
MPUMALANGA PROVINCE
INDEPENDENT DEVELOPMENT TRUST

3/10/6 Extra for eaves or plinth offset

No

18

FIRE APPLIANCES ETC

"Chubb"

3/10/7 9kg Dry chemical fire extinguisher

No

12

Carried to Collection

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Nkonki & Associates (c) 2023 3
 BLOCK B,C & D (CLASSROOMS)
 Bill No. 10
 Plumbing and Drainage (Provisional)

IDTMPU-WP1.3-DOE PROG

BLOCK B,C & D (CLASSROOMS)

Bill No. 10

Plumbing and Drainage (Provisional)

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 BLOCK B,C & D (CLASSROOMS)
 Bill No. 10
 Plumbing and Drainage (Provisional)

IDTMPU-WP1.3-DOE PROG

Item	Description	Quantity	Rate	Amount
	<u>SECTION NO. 2</u> <u>BILL NO. 12</u> <u>GLAZING</u> <u>PREAMBLES</u> <u>SUPPLEMENTARY PREAMBLES</u> The Tenderer is advised to refer to the works information before pricing this Bill NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 150 for CPAP formula purposes. ----- Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.			
	Carried to Collection Nkonki & Associates (c) 2023 3 BLOCK B,C & D (CLASSROOMS) Bill No. 11 Glazing IDTMPU-WP1.3-DOE PROG		R	

BLOCK B,C & D (CLASSROOMS)

Bill No. 11

Glazing

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 BLOCK B,C & D (CLASSROOMS)
 Bill No. 11
 Glazing

IDTMPU-WP1.3-DOE PROG

Item	Description	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 13</u>				
<u>PAINTWORK</u>				
NOTE:				
Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.				
Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.				
<u>ON INTERNAL PLASTER, CEILING</u>				
<u>Prepare and apply one coat primer and two coats 'WALL N' ALL' emulsion paint (colour to be approved by the Department of Education) on</u>				
3/12/1	On internal walls	m2	627	
3/12/2	On narrow widths	m2	1	
<u>Prepare and apply one coat primer and two coats 'WALL N' ALL' emulsion paint (colour to be approved by the Department of Education) on</u>				
3/12/3	On ceiling	m2	850	
<u>ON FIBRE CEMENT</u>				
Carried to Collection				R
Nkonki & Associates (c) 2023 3 BLOCK B,C & D (CLASSROOMS) Bill No. 12 Paintwork				
IDTMPU-WP1.3-DOE PROG				

	<u>Prepare and apply one coat primer and two coats PVC emulsion paint (colour to be approved by the Department of Education) on</u>				
3/12/4	On fascias and barge boards	m2	63		
	<u>ON METAL</u>				
	<u>Sanding and Spot priming defects in pre-primed surfaces with zinc phosphate metal primer, one coat universal undercoat and two coats super universal enamel paint on steel</u>				
3/12/5	On grilles, doors and frames	m2	15		
	<u>ON WOOD</u>				
	<u>Prepare and apply one coat calcium plumbate primer, one coat undercoat and one coat gloss enamel paint</u>				
3/12/6	On doors	m2	30		
	<u>One coat oil wood primer, one coat universal undercoat and two coats varnish on</u>				
3/12/7	On doors	m2	20		
Carried to Collection				R	
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BLOCK B,C & D (CLASSROOMS)

Bill No. 12

Paintwork

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 BLOCK B,C & D (CLASSROOMS)
 Bill No. 12
 Paintwork

IDTMPU-WP1.3-DOE PROG

Nkonki & Associates

BLOCK B,C & D (CLASSROOMS)

SECTION SUMMARY - BLOCK B,C & D (CLASSROOMS)

<u>Bill No</u>		<u>Page No</u>	<u>Amount</u>
3/1	Alterations and Repairs	66	
3/2	Concrete, Formwork and Reinforcement	69	
3/3	Roof Coverings	72	
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3/7	Plastering	79	
3/8	Metalwork	82	
3/9	Tilling	83	
3/10	Plumbing and Drainage (Provisional)	86	
3/11	Glazing	89	
3/12	Paintwork	92	
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IDTMPU-WP1.3-DOE PROG			

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION N0. 2</u> <u>BILL N0. 1</u> <u>ALTERATIONS AND REPAIRS</u> <u>DEMOLITION WORKS</u> NOTE: Tenderers are advised to study the (GP ASC Rev 0) "Specification of materials and methods to be used-General specification for building contracts standard conditions" before pricing this bill. Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>NOTE:</u> NOTE: All units rates must take into account and will be assumed to include all applicable taxes. No additional claims relating to taxes will be entertained. NOTE: Unless otherwise stated herein, all work in this trade shall be executed in accordance with the procedures of the Expanded Public Works Programme.				
	Carried to Collection			R	
	Nkonki & Associates (c) 2023 4 BLOCK E - LABORATORY Bill No. 1 Alterations and Repairs IDTMPU-WP1.3-DOE PROG				

View site

Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for a compensation event in respect of the nature and extent of the work or of inferior or damaged materials will be entertained

Explosives

No explosives whatsoever may be used for demolition purposes unless otherwise stated

Existing structures

In taking down and removing existing work, the utmost care shall be taken to prevent any structural or other damage to the remaining portions on the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensure the stability of all structures during the alteration work, Any damage to the structure and/or building as well as the rectification of same will be for the contractor;s account

Services

Special care shall be exercised during the progress of the work to ensure that electrical installation, water supply pipes, telephone and other services which may be encountered are not interfered with and notice shall be given to the Representative/Agent if any disconnection or alterations become necessary.

Dust and noise

The Contractor is to take all necessary precautions to the satisfaction of the Representative/Agent to prevent any nuisance from the dust and /or noise whilst carrying out the work.

Disposal of debris

The Contractor shall be responsible for the removal from site of all materials, debris and rubbish resulting from the work which removal is deemed to be included in the rates unless otherwise stated.

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 BLOCK E - LABORATORY
 Bill No. 1
 Alterations and Repairs

IDTMPU-WP1.3-DOE PROG

Rates for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing

With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)

Old materials to be carted away

Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, etc. must regularly be carted away from the site and not to be allowed to accumulate on or around the site

Old materials not to be re-used.

None of the old materials are to be re-used for new work, except where specifically described as being set aside for re-use.

Handing over of materials

Where certain materials or articles from the demolitions or alterations are described as to be handed over by the contractor to the representative/Agent, such materials or articles shall be properly stored by the contractor untill handing over thereof. The contractor must obtain an official receipt listing materials or articles and dates of handing over. if the contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the contractor

Carried to Collection

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 BLOCK E - LABORATORY
 Bill No. 1
 Alterations and Repairs

IDTMPU-WP1.3-DOE PROG

R

<u>Temporary support to openings through existing walls</u>			
Making openings, altering openings in existing walls and removing lintols above existing openings shall be done with the utmost care to prevent any structural damage. All necessary supports, propping, shoring, needling, strutting, turning pieces, etc. to walls openings is deemed to be included in the contractor's rates.			
<u>Electrical and Mechanical</u>			
Where items include for taking down electrical and mechanical fittings the disconnection and making safe electrically is deemed to be included.			
<u>TEMPORARY BARRIERS, SCREENS, ETC</u>			
<u>Temporary barriers, screens, etc including removal</u>			
4/1/1	Barrier 2000mm high separating main building from occupied buildings, formed of galvanised steel channel sections rails and studs filled with minimum 12,7mm timber panels, including corners, ends, etc. or waist-line protector to avoid people coming to site work	m	27
<u>REMOVAL OF EXISTING WORK</u>			
<u>Breaking down and removing concrete</u>			
4/1/2	Hack up and remove screed from floors	m2	10
4/1/3	Demolish Surface bed, ramps etc	m2	5
<u>Taking up and removing vinyl floor coverings, carpeting, etc</u>			
4/1/4	Vinyl floor tiles including preparing screed for new ceramic floor tiles	m2	189
<u>Hacking up/off and removing existing Concrete Roofing, damaged purlins, gutters, downpipes, etc from brickwork and preparing surfaces for new roofing, etc</u>			
4/1/5	Hack up and remove existing Damaged Fascias	m	68
4/1/6	Hack up and remove existing gutters, downpipes, etc.	m	15
Carried to Collection			R
Nkonki & Associates (c) 2023 4 BLOCK E - LABORATORY Bill No. 1 Alterations and Repairs IDTMPU-WP1.3-DOE PROG			

	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u>				
4/1/7	Hack off damaged internal plaster from walls	m2	2		
	<u>Hacking up/off and removing damaged putty, glazing, etc from steel windows and preparing surfaces for new putty and glazing, etc</u>				
4/1/8	Hack up and remove putty, glazing, etc.	m2	3		
	<u>Taking up and removing metalworks, doors, door frames, etc</u>				
4/1/9	Take out existing door frames and make good to receive new frames, etc.	No	4		
	<u>Taking up and removing ironmongery, etc</u>				
4/1/10	Take out existing Ironmongery set aside and make provision for new Ironmonger, etc. (LI)	No	4		
	<u>Repair Surface Cracks</u>				
4/1/11	Expose the aggregate by means of chiselling, sand blasting or high pressure water jetting or where it can be shown to produce the required aggregate exposure, a hard brush may be used subject to the approval of the Engineer	m	3		
	<u>Hacking and Removal of Skirtings replace with New skirting</u>				
4/1/12	Skirtings	m	153		
	<u>Scrape off existing paint</u>				
4/1/13	On windows	m2	36		
4/1/14	On door frames	m2	5		
4/1/15	On walls	m2	204		
4/1/16	On Door Panels	m2	13		
Carried to Collection				R	
Nkonki & Associates (c) 2023 4 BLOCK E - LABORATORY Bill No. 1 Alterations and Repairs					
IDTMPU-WP1.3-DOE PROG					

4/1/17	On posts	m	1
	<u>Roof Repair</u>		
4/1/18	Take out damaged IBR roofing sheets	m2	80
	<u>Taking down and removing ceiling</u>		
4/1/19	Take down and remove damaged ceiling	m2	189
	<u>Take down and remove pinning boards, writing boards, chalkboards etc.,</u>		
4/1/20	Pinning boards	No	2
4/1/21	Writing Boards, etc.	No	2
	<u>Taking out and removing glass and mirrors</u>		
4/1/22	Remove putty and take off damaged glass from steel windows including cleaning out rebates and preparing for new glass (LI)	m2	3
	<u>Sealing Joints</u>		
4/1/23	Construct a new construction joint between the window frame and the wall to seal the visible gaps	m	2.0
4/1/24	Remove damaged expansion joints, clean and clear the surface and construct new expansion joints	m	3
	<u>PREPARATORY WORK TO EXISTING SURFACES</u>		
4/1/25	Clean internal and external facebrick walls	m2	215
	<u>MAKING GOOD OF FINISHES ETC</u>		
	<u>Making good internal cement plaster</u>		
4/1/26	Making Good walls in patches	m2	5
4/1/27	Making good floors in patches	m2	5
	Carried to Collection		
	Nkonki & Associates (c) 2023 4 BLOCK E - LABORATORY Bill No. 1 Alterations and Repairs		
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BLOCK E - LABORATORY

Bill No. 1

Alterations and Repairs

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BLOCK E - LABORATORY

Bill No. 1

Alterations and Repairs

IDTMPU-WP1.3-DOE PROG

Item	Description	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 2</u>				
<u>CONCRETE, FORMWORKAND REINFORCEMENT</u>				
NOTE:				
Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.				
<u>REINFORCED CONCRETE</u>				
<u>25MPa reinforced concrete</u>				
4/2/1	Apron / ramps	m3	2	
<u>TEST CUBES</u>				
4/2/2	Making and testing 150 x 150 x 150mm (set of six) concrete strength test cubes (Provisional)	No	1	
<u>CONCRETE SUNDRIES</u>				
<u>Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish</u>				
4/2/3	Aprons etc	m2	15	
<u>ROUGH FORMWORK</u>				
4/2/4	Edges,risers,ends and reveals not exceeding 300mm high or wide	m	27	
<u>MOVEMENT JOINTS ETC</u>				
Carried to Collection				R
Nkonki & Associates (c) 2023 4 BLOCK E - LABORATORY Bill No. 2 Concrete, Formwork and Reinforcement				
IDTMPU-WP1.3-DOE PROG				

4/2/5

m

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BLOCK E - LABORATORY
Bill No. 2
Concrete, Formwork and Reinforcement

IDTMPU-WP1.3-DOE PROG

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BLOCK E - LABORATORY

Bill No. 2

Concrete, Formwork and Reinforcement

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BLOCK E - LABORATORY

Bill No. 2

Concrete, Formwork and Reinforcement

IDTMPU-WP1.3-DOE PROG

Item	Description	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 3</u>				
<u>ROOF COVERINGS ETC</u>				
NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 124 for CPAP formula purposes.				
Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.				
Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.				
<u>ROOF COVERINGS</u>				
<u>ROOF TILES AND ACCESSORIES TO MATCH EXISTING</u>				
<u>IBR roof sheeting</u>				
4/3/1	Roof covering	m2	80	
4/3/2	Apply approved waterproofing paint / sealant to the roof sheeting	m2	250	
<u>ROOF AND WALL INSULATION</u>				
Carried to Collection				R
Nkonki & Associates (c) 2023 4 BLOCK E - LABORATORY Bill No. 3 Roof Coverings				
IDTMPU-WP1.3-DOE PROG				

Insulation

4/3/3	Insulation laid taut over purlins (at approximately 1 200mm centres) and fixed concurrent with roof covering including galvanised steel straining wires
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m2

80

Carried to Collection

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Nkonki & Associates (c) 2023 4
BLOCK E - LABORATORY
Bill No. 3
Roof Coverings

IDTMPU-WP1.3-DOE PROG

BLOCK E - LABORATORY

Bill No. 3

Roof Coverings

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BLOCK E - LABORATORY

Bill No. 3

Roof Coverings

IDTMPU-WP1.3-DOE PROG

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u> <u>BILL NO. 4</u> <u>CARPENTRY AND JOINERY</u> Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc NOTE: Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities. <u>EAVES , VERGES , ETC</u> <u>Fibre Cement Fascia Board</u> 4/4/1 15 x 225mm Fascias and barge boards screwed to timber trusses (elsewhere) with two brass screws at maximum 1,200mm centres and jointed with and including standard aluminium half round cover strips at all joints m 27 <u>DOORS</u> <u>Wrought meranti doors hung to steel frame, etc</u> 4/4/2 Single Door 44mm Framed batten door 813 x 2032mm high, as per Architect's Specification No 5			
	Carried to Collection		R	
	Nkonki & Associates (c) 2023 4 BLOCK E - LABORATORY Bill No. 4 Capentry and Joinery IDTMPU-WP1.3-DOE PROG			

SKIRTINGS

Wrought meranti

4/4/3	19 x 75mm Skirtings including 19mm quadrant bead plugged	m	82		
Carried to Collection				R	
Nkonki & Associates (c) 2023 4 BLOCK E - LABORATORY Bill No. 4 Capentry and Joinery					
IDTMPU-WP1.3-DOE PROG					

BLOCK E - LABORATORY

Bill No. 4

Capentry and Joinery

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BLOCK E - LABORATORY

Bill No. 4

Capentry and Joinery

IDTMPU-WP1.3-DOE PROG

<u>Item</u>	<u>Description</u>		<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 5</u>				
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>				
	NOTE: Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.				
	<u>NAILED UP CEILINGS</u>				
	<u>6,4mm "Rhino" gypsum plasterboard with H-type pressed steel jointing strips</u>				
4/5/1	Horizontal ceilings, including 38 x 38mm sawn softwood brandering at maximum 400mm centres in one direction only to trusses (elsewhere measured).	m2	189		
4/5/2	Extra over ceiling for 900 x 900mm trap door of 6mm wrought softwood rebated framing with one 50 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	1		
4/5/3	Coved cornice	m	82		
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	Nkonki & Associates (c) 2023 4 BLOCK E - LABORATORY Bill No. 5 Ceilings, Partitions and Access Flooring				
	IDTMPU-WP1.3-DOE PROG				

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<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u> <u>BILL NO. 7</u> <u>IRONMONGERY</u> NOTE: Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Finishes to ironmongery</u> Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded <u>HINGES, BOLTS, ETC.</u>			
	Carried to Collection		R	
	Nkonki & Associates (c) 2023 4 BLOCK E - LABORATORY Bill No. 6 Ironmongery IDTMPU-WP1.3-DOE PROG			

	<u>Three lever mortice lockset and satin chrome plated handles Solid Art 390/313</u>				
4/6/1	Three lever mortice lockset	No	5		
4/6/2	Stays, latches, handles, hinges, etc to existing window frames	No	5		
	<u>HANDLES</u>				
	<u>"Dorma" or other equal and approved</u>				
4/6/3	DFP-SS-026 102 x 50mm Rectangular Flush Pull Handle	No	5		
	<u>PUSH PLATES AND KICKING PLATES</u>				
	<u>"Dorma" or other equal and approved</u>				
4/6/4	DPP-430-CL150x300 Stainless steel 150x300x1.2mm thick grade 430 plate with cylinder cutout	No	5		
	<u>DOOR CLOSERS</u>				
	<u>"Dorma" or other equal and approved</u>				
4/6/5	TS91B silver Non Hold Open cam action slide channel door closer	No	5		
	<u>SIGNAGE</u>				
	<u>200 x 30mm High signs with 15mm high letters and numerals fixed with two self-tapping screws to steel and reading as follows:-</u>				
4/6/6	50mm High plastic letter or numeral	No	5		
	<u>SUNDRIES</u>				
	<u>Door stops or other equal and approved</u>				
4/6/7	38mm Diameter rubber door stop plugged and screwed to floor with a 50mm long br	No	5		
Carried to Collection				R	
Nkonki & Associates (c) 2023 4 BLOCK E - LABORATORY Bill No. 6 Ironmongery					
IDTMPU-WP1.3-DOE PROG					

BLOCK E - LABORATORY

Bill No. 6

Ironmongery

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BLOCK E - LABORATORY

Bill No. 6

Ironmongery

IDTMPU-WP1.3-DOE PROG

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 8</u>			
	<u>PLASTERING</u>			
	NOTE:			
	Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.			
	Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.			
	<u>SCREEDS</u>			
4/7/1	On floors	m2	10	
	<u>INTERNAL PLASTER</u>			
	<u>One coat smooth cement and sand render</u>			
4/7/2	On walls	m2	5	
	<u>EXTERNAL PLASTER</u>			
	<u>One coat smooth cement and sand render</u>			
4/7/3	On walls	m2	10	
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	Nkonki & Associates (c) 2023 4 BLOCK E - LABORATORY Bill No. 7 Plastering			
	IDTMPU-WP1.3-DOE PROG			

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u> <u>BILL NO. 9</u> <u>METALWORK</u> NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 136 for CPAP formula purposes. Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>PRICES</u> <u>Fixings, etc</u> Prices for all items shall include for all coupling members and fixing to steel, concrete or brickwork, including all lugs, cramps, shims, bolts, mortices, grouting, etc as required for a complete installation and for perimeter pointing with polysulphide sealant or similar compound. <u>Glazing</u> Prices for all items shall include for glazing with glass as specified in the description, including all necessary glazing beads, gaskets, etc.			
	Carried to Collection		R	
	Nkonki & Associates (c) 2023 4 BLOCK E - LABORATORY Bill No. 8 Metalwork IDTMPU-WP1.3-DOE PROG			

Protection of frames

All exposed aluminium work shall be protected by means of low tack adhesive tape against mortar droppings and other non-mechanical damage during installation which shall only be removed when directed by the Architect.

Size of opening

Tenderers shall check sizes of openings on site prior to any manufacturing being put in hand.

Note:

Tenderers are referred to the Architect's window schedules bound to the back of these bills of quantities for full specifications of items as measured.

Manufacture, Supply and install natural anodised aluminium windows, including glass all fittings, beads, sealants, gasket, sub frames, building in, pointing, etc all as per typical details annexed to these bills of quantities.

PRESSED STEEL DOOR FRAMES, INCLUDING BUILDING INTO BRICKWORK

1.6mm thick Hot dipped GMS frame for door with 1 pair heavy duty hinges, Double rebated

4/8/1

To suit 813 x 2032mm high door and half brick thick wall

No

1

WELDED SCREENS, GATES, ETC

Steel gates and frames

4/8/2

Single gate and frame 813 x 2 100mm high overall, the outer frame of 45 x 45 x 3mm hollow section bolted to wall with and including eight 70mm M80 expansion bolts and the gate 900 x 2 100mm high of 40 x 60 x 2mm hollow section frame with two 40 x 6mm flat section horizontal rails filled in with 20mm diameter vertical rails at 110mm centres fitted with one and a half pairs of suitable pin hinges welded to hollow section steel frame, complete with and including 150mm barrel bolt and padlock

No

3

Carried to Collection

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Nkonki & Associates (c) 2023 4
 BLOCK E - LABORATORY
 Bill No. 8
 Metalwork

IDT MPU-WP1.3-DOE PROG

BLOCK E - LABORATORY

Bill No. 8

Metalwork

COLLECTION

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BLOCK E - LABORATORY

Bill No. 8

Metalwork

IDTMPU-WP1.3-DOE PROG

Item	Description	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 10</u>				
<u>TILING</u>				
NOTE:				
Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.				
Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Descriptions</u>				
Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding.				
<u>300 x 300mm Ceramic Floor Tiles</u>				
4/9/1	On Floors	m2	189	
<u>Ceramic Skirting Tiling</u>				
4/9/2	Skirting tiles	m	84	
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Nkonki & Associates (c) 2023 4 BLOCK E - LABORATORY Bill No. 9 Tilling				
IDTMPU-WP1.3-DOE PROG				

Item	Description	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 11</u>				
<u>PLUMBING AND DRAINAGE</u>				
<u>(PROVISIONAL)</u>				
NOTE:				
Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.				
Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.				
<u>RAINWATER DISPOSAL</u>				
<u>Roof Drain Outlets</u>				
<u>Gutter and Downpipe Roof Drainage System</u>				
4/10/1	Galvanised mild steel sheet gutter system.	m	68	
4/10/2	100mm Diameter galvanized m/s rainwater downpipe fixed to walls on alloy brackets at not exceeding 1500 mm centres.	m	20	
4/10/3	Extra for angle	No	6	
4/10/4	Extra for stop end	No	4	
4/10/5	Extra for outlet for 100mm pipe	No	4	
Carried to Collection				R
Nkonki & Associates (c) 2023 4 BLOCK E - LABORATORY Bill No. 10 Plumbing and Drainage (Provisional)				
IDTMPU-WP1.3-DOE PROG				

BLOCK E - LABORATORY

Bill No. 10

Plumbing and Drainage (Provisional)

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BLOCK E - LABORATORY

Bill No. 10

Plumbing and Drainage (Provisional)

IDTMPU-WP1.3-DOE PROG

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u> <u>BILL NO. 12</u> <u>GLAZING</u> <u>PREAMBLES</u> <u>SUPPLEMENTARY PREAMBLES</u> The Tenderer is advised to refer to the works information before pricing this Bill NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 150 for CPAP formula purposes. ----- Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.			
	Carried to Collection			
	Nkonki & Associates (c) 2023 4 BLOCK E - LABORATORY Bill No. 11 Glazing IDTMPU-WP1.3-DOE PROG			
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BLOCK E - LABORATORY

Bill No. 11

Glazing

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BLOCK E - LABORATORY

Bill No. 11

Glazing

IDTMPU-WP1.3-DOE PROG

Item	Description	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 13</u>				
<u>PAINTWORK</u>				
NOTE:				
Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.				
Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.				
<u>ON INTERNAL PLASTER, CEILING</u>				
<u>Prepare and apply one coat primer and two coats 'WALL N' ALL' emulsion paint (colour to be approved by the Department of Education) on</u>				
4/12/1	On internal walls	m2	249	
4/12/2	On narrow widths	m2	1	
<u>Prepare and apply one coat primer and two coats 'WALL N' ALL' emulsion paint (colour to be approved by the Department of Education) on</u>				
4/12/3	On ceiling	m2	189	
<u>ON FIBRE CEMENT</u>				
Carried to Collection				R
Nkonki & Associates (c) 2023 4 BLOCK E - LABORATORY Bill No. 12 Paintwork				
IDTMPU-WP1.3-DOE PROG				

Prepare and apply one coat primer and two coats PVC emulsion paint (colour to be approved by the Department of Education) on

4/12/4	On fascias and barge boards	m2	84		
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ON METAL

Sanding and Spot priming defects in pre-primed surfaces with zinc phosphate metal primer, one coat universal undercoat and two coats super universal enamel paint on steel

4/12/5	On grilles, doors and frames	m2	6		
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ON WOOD

Prepare and apply one coat calcium plumbate primer, one coat undercoat and one coat gloss enamel paint

4/12/6	On doors	m2	12		
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One coat oil wood primer, one coat universal undercoat and two coats varnish on

4/12/7	Skirtings, rails, etc not exceeding 300mm girth	m2	16		
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Carried to Collection

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Nkonki & Associates (c) 2023 4
 BLOCK E - LABORATORY
 Bill No. 12
 Paintwork

IDTMPU-WP1.3-DOE PROG

BLOCK E - LABORATORY

Bill No. 12

Paintwork

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BLOCK E - LABORATORY

Bill No. 12

Paintwork

IDTMPU-WP1.3-DOE PROG

Nkonki & Associates

BLOCK E - LABORATORY

SECTION SUMMARY - BLOCK E - LABORATORY

<u>Bill No</u>		<u>Page No</u>	<u>Amount</u>
4/1	Alterations and Repairs	100	
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4/3	Roof Coverings	106	
4/4	Capentry and Joinery	109	
4/5	Ceilings, Partitions and Access Flooring	110	
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4/7	Plastering	114	
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4/9	Tilling	118	
4/10	Plumbing and Drainage (Provisional)	121	
4/11	Glazing	124	
4/12	Paintwork	127	
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BLOCK E - LABORATORY			
IDTMPU-WP1.3-DOE PROG			

Item	Description	Unit	Quantity	Rate	Amount
	<u>SECTION N0. 2</u> <u>BILL N0. 1</u> <u>ALTERATIONS AND REPAIRS</u> <u>DEMOLITION WORKS</u> NOTE: Tenderers are advised to study the (GP ASC Rev 0) "Specification of materials and methods to be used-General specification for building contracts standard conditions" before pricing this bill. Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>NOTE:</u> NOTE: All units rates must take into account and will be assumed to include all applicable taxes. No additional claims relating to taxes will be entertained. NOTE: Unless otherwise stated herein, all work in this trade shall be executed in accordance with the procedures of the Expanded Public Works Programme.				
	Carried to Collection Nkonki & Associates (c) 2023 5 BLOCK F (KITCHEN) Bill No. 1 Alterations and Repairs IDTMPU-WP1.3-DOE PROG			R	

View site

Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for a compensation event in respect of the nature and extent of the work or of inferior or damaged materials will be entertained

Explosives

No explosives whatsoever may be used for demolition purposes unless otherwise stated

Existing structures

In taking down and removing existing work, the utmost care shall be taken to prevent any structural or other damage to the remaining portions on the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensure the stability of all structures during the alteration work, Any damage to the structure and/or building as well as the rectification of same will be for the contractor;s account

Services

Special care shall be exercised during the progress of the work to ensure that electrical installation, water supply pipes, telephone and other services which may be encountered are not interfered with and notice shall be given to the Representative/Agent if any disconnection or alterations become necessary.

Dust and noise

The Contractor is to take all necessary precautions to the satisfaction of the Representative/Agent to prevent any nuisance from the dust and /or noise whilst carrying out the work.

Disposal of debris

The Contractor shall be responsible for the removal from site of all materials, debris and rubbish resulting from the work which removal is deemed to be included in the rates unless otherwise stated.

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 BLOCK F (KITCHEN)
 Bill No. 1
 Alterations and Repairs

IDTMPU-WP1.3-DOE PROG

Rates for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing

With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)

Old materials to be carted away

Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, etc. must regularly be carted away from the site and not to be allowed to accumulate on or around the site

Old materials not to be re-used.

None of the old materials are to be re-used for new work, except where specifically described as being set aside for re-use.

Handing over of materials

Where certain materials or articles from the demolitions or alterations are described as to be handed over by the contractor to the representative/Agent, such materials or articles shall be properly stored by the contractor untill handing over thereof. The contractor must obtain an official receipt listing materials or articles and dates of handing over. if the contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the contractor

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 BLOCK F (KITCHEN)
 Bill No. 1
 Alterations and Repairs

IDTMPU-WP1.3-DOE PROG

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<u>Temporary support to openings through existing walls</u>					
Making openings, altering openings in existing walls and removing lintols above existing openings shall be done with the utmost care to prevent any structural damage. All necessary supports, propping, shoring, needling, strutting, turning pieces, etc. to walls openings is deemed to be included in the contractor's rates.					
<u>Electrical and Mechanical</u>					
Where items include for taking down electrical and mechanical fittings the disconnection and making safe electrically is deemed to be included.					
<u>TEMPORARY BARRIERS, SCREENS, ETC</u>					
<u>Temporary barriers, screens, etc including removal</u>					
5/1/1	Barrier 2000mm high separating main building from occupied buildings, formed of galvanised steel channel sections rails and studs filled with minimum 12,7mm timber panels, including corners, ends, etc. or waist-line protector to avoid people coming to site work	m	6		
<u>REMOVAL OF EXISTING WORK</u>					
<u>Breaking down and removing concrete</u>					
5/1/2	Hack up and remove screed from floors	m2	2		
5/1/3	Demolish Surface bed, ramps etc	m2	1		
<u>Taking up and removing vinyl floor coverings, carpeting, etc</u>					
5/1/4	Vinyl floor tiles including preparing screed for new ceramic floor tiles	m2	42		
<u>Hacking up/off and removing existing Concrete Roofing, damaged purlins, gutters, downpipes, etc from brickwork and preparing surfaces for new roofing, etc</u>					
5/1/5	Hack up and remove existing Damaged Fascias	m	26		
5/1/6	Hack up and remove existing gutters, downpipes, etc.	m	12		
Carried to Collection				R	
Nkonki & Associates (c) 2023 5 BLOCK F (KITCHEN) Bill No. 1 Alterations and Repairs					
IDTMPU-WP1.3-DOE PROG					

	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u>				
5/1/7	Hack off damaged internal plaster from walls	m2	2		
	<u>Hacking up/off and removing damaged putty, glazing, etc from steel windows and preparing surfaces for new putty and glazing, etc</u>				
5/1/8	Hack up and remove putty, glazing, etc.	m2	2		
	<u>Taking up and removing metalworks, doors, door frames, etc</u>				
5/1/9	Take out existing door frames and make good to receive new frames, etc.	No	2		
	<u>Taking up and removing ironmongery, etc</u>				
5/1/10	Take out existing Ironmongery set aside and make provision for new Ironmonger, etc. (LI)	No	2		
	<u>Repair Surface Cracks</u>				
5/1/11	Expose the aggregate by means of chiselling, sand blasting or high pressure water jetting or where it can be shown to produce the required aggregate exposure, a hard brush may be used subject to the approval of the Engineer	m	1		
	<u>Hacking and Removal of Skirtings replace with New skirting</u>				
5/1/12	Skirtings	m	26		
	<u>Scrape off existing paint</u>				
5/1/13	On windows	m2	15		
5/1/14	On door frames	m2	3		
5/1/15	On walls	m2	50		
5/1/16	On Door Panels	m2	7		
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Nkonki & Associates (c) 2023 5 BLOCK F (KITCHEN) Bill No. 1 Alterations and Repairs					
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BLOCK F (KITCHEN)

Bill No. 1

Alterations and Repairs

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BLOCK F (KITCHEN)

Bill No. 1

Alterations and Repairs

IDTMPU-WP1.3-DOE PROG

Item	Description	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 2</u>				
<u>CONCRETE, FORMWORKAND REINFORCEMENT</u>				
NOTE:				
Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.				
<u>REINFORCED CONCRETE</u>				
<u>25MPa reinforced concrete</u>				
5/2/1	Apron / ramps	m3	1	
<u>TEST CUBES</u>				
5/2/2	Making and testing 150 x 150 x 150mm (set of six) concrete strength test cubes (Provisional)	No	1	
<u>CONCRETE SUNDRIES</u>				
<u>Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish</u>				
5/2/3	Aprons etc	m2	10	
<u>ROUGH FORMWORK</u>				
5/2/4	Edges,risers,ends and reveals not exceeding 300mm high or wide	m	15	
<u>MOVEMENT JOINTS ETC</u>				
Carried to Collection				R
Nkonki & Associates (c) 2023 5 BLOCK F (KITCHEN) Bill No. 2 Concrete, Formwork and Reinforcement				
IDTMPU-WP1.3-DOE PROG				

5/2/5

m

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BLOCK F (KITCHEN)
Bill No. 2
Concrete, Formwork and Reinforcement

IDTMPU-WP1.3-DOE PROG

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BLOCK F (KITCHEN)

Bill No. 2

Concrete, Formwork and Reinforcement

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BLOCK F (KITCHEN)

Bill No. 2

Concrete, Formwork and Reinforcement

IDTMPU-WP1.3-DOE PROG

Item	Description	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 3</u>				
<u>ROOF COVERINGS ETC</u>				
NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 124 for CPAP formula purposes.				
Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.				
Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.				
<u>ROOF COVERINGS</u>				
<u>ROOF AND ACCESSORIES TO MATCH EXISTING</u>				
<u>IBR roof sheeting</u>				
5/3/1	Roof covering	m2	16	
5/3/2	Apply approved waterproofing paint / sealant to the roof sheeting	m2	50	
<u>ROOF AND WALL INSULATION</u>				
Carried to Collection				R
Nkonki & Associates (c) 2023 5 BLOCK F (KITCHEN) Bill No. 3 Roof Coverings				
IDTMPU-WP1.3-DOE PROG				

5/3/3	<u>Insulation</u> Insulation laid taut over purlins (at approximately 1 200mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	16	
	Carried to Collection Nkonki & Associates (c) 2023 5 BLOCK F (KITCHEN) Bill No. 3 Roof Coverings IDTMPU-WP1.3-DOE PROG			R

BLOCK F (KITCHEN)

Bill No. 3

Roof Coverings

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BLOCK F (KITCHEN)

Bill No. 3

Roof Coverings

IDTMPU-WP1.3-DOE PROG

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u> <u>BILL NO. 4</u> <u>CARPENTRY AND JOINERY</u> Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc NOTE: Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities. <u>EAVES , VERGES , ETC</u> <u>Fibre Cement Fascia Board</u> 5/4/1 15 x 225mm Fascias and barge boards screwed to timber trusses (elsewhere) with two brass screws at maximum 1,200mm centres and jointed with and including standard aluminium half round cover strips at all joints m 26 <u>DOORS</u> <u>Wrought meranti doors hung to steel frame, etc</u> 5/4/2 Double Doors 44mm Framed batten door 1600 x 2032m high, as per Architect's Specification No 2 R Carried Forward to Summary of Section No. 5 Nkonki & Associates (c) 2023 5 BLOCK F (KITCHEN) Bill No. 4 Capentry and Joinery IDTMPU-WP1.3-DOE PROG			

<u>Item</u>	<u>Description</u>		<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 5</u>				
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>				
	NOTE: Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.				
	<u>NAILED UP CEILINGS</u>				
	<u>6,4mm "Rhino" gypsum plasterboard with H-type pressed steel jointing strips</u>				
5/5/1	Horizontal ceilings, including 38 x 38mm sawn softwood brandering at maximum 400mm centres in one direction only to trusses (elsewhere measured).	m2	42		
5/5/2	Extra over ceiling for 900 x 900mm trap door of 6mm wrought softwood rebated framing with one 50 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	1		
5/5/3	Coved cornice	m	26		
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Nkonki & Associates (c) 2023 5 BLOCK F (KITCHEN) Bill No. 5 Ceilings, Partitions and Access Flooring					
IDTMPU-WP1.3-DOE PROG					

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u> <u>BILL NO. 7</u> <u>IRONMONGERY</u> NOTE: Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>Finishes to ironmongery</u> Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded <u>HINGES, BOLTS, ETC.</u>			
	Carried to Collection		R	
	Nkonki & Associates (c) 2023 5 BLOCK F (KITCHEN) Bill No. 6 Ironmongery IDTMPU-WP1.3-DOE PROG			

<u>Three lever mortice lockset and satin chrome plated handles Solid Art 390/313</u>							
5/6/1	Three lever mortice lockset	No	2				
5/6/2	Stays, latches, handles, hinges, etc to existing window frames	No	2				
<u>HANDLES</u>							
<u>"Dorma" or other equal and approved</u>							
5/6/3	DFP-SS-026 102 x 50mm Rectangular Flush Pull Handle	No	2				
<u>PUSH PLATES AND KICKING PLATES</u>							
<u>"Dorma" or other equal and approved</u>							
5/6/4	DPP-430-CL150x300 Stainless steel 150x300x1.2mm thick grade 430 plate with cylinder cutout	No	2				
<u>DOOR CLOSERS</u>							
<u>"Dorma" or other equal and approved</u>							
5/6/5	TS91B silver Non Hold Open cam action slide channel door closer	No	2				
<u>SIGNAGE</u>							
<u>200 x 30mm High signs with 15mm high letters and numerals fixed with two self-tapping screws to steel and reading as follows:-</u>							
5/6/6	50mm High plastic letter or numeral	No	2				
<u>SUNDRIES</u>							
<u>Door stops or other equal and approved</u>							
5/6/7	38mm Diameter rubber door stop plugged and screwed to floor with a 50mm long br	No	2				
Carried to Collection						R	
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BLOCK F (KITCHEN)

Bill No. 6

Ironmongery

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BLOCK F (KITCHEN)

Bill No. 6

Ironmongery

IDTMPU-WP1.3-DOE PROG

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 8</u>			
	<u>PLASTERING</u>			
	NOTE:			
	Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.			
	Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.			
	<u>SCREEDS</u>			
5/7/1	On floors	m2	2	
	<u>INTERNAL PLASTER</u>			
	<u>One coat smooth cement and sand render</u>			
5/7/2	On walls	m2	4	
	<u>EXTERNAL PLASTER</u>			
	<u>One coat smooth cement and sand render</u>			
5/7/3	On walls	m2	10	
	Carried Forward to Summary of Section No. 5			R
	Nkonki & Associates (c) 2023 5 BLOCK F (KITCHEN) Bill No. 7 Plastering			
	IDTMPU-WP1.3-DOE PROG			

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u> <u>BILL NO. 9</u> <u>METALWORK</u> NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 136 for CPAP formula purposes. Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities. <u>SUPPLEMENTARY PREAMBLES</u> <u>PRICES</u> <u>Fixings, etc</u> Prices for all items shall include for all coupling members and fixing to steel, concrete or brickwork, including all lugs, cramps, shims, bolts, mortices, grouting, etc as required for a complete installation and for perimeter pointing with polysulphide sealant or similar compound. <u>Glazing</u> Prices for all items shall include for glazing with glass as specified in the description, including all necessary glazing beads, gaskets, etc.			
	Carried to Collection		R	
	Nkonki & Associates (c) 2023 5 BLOCK F (KITCHEN) Bill No. 8 Metalwork IDTMPU-WP1.3-DOE PROG			

Protection of frames

All exposed aluminium work shall be protected by means of low tack adhesive tape against mortar droppings and other non-mechanical damage during installation which shall only be removed when directed by the Architect.

Size of opening

Tenderers shall check sizes of openings on site prior to any manufacturing being put in hand.

Note:

Tenderers are referred to the Architect's window schedules bound to the back of these bills of quantities for full specifications of items as measured.

Manufacture, Supply and install natural anodised aluminium windows, including glass all fittings, beads, sealants, gasket, sub frames, building in, pointing, etc all as per typical details annexed to these bills of quantities.

PRESSED STEEL DOOR FRAMES, INCLUDING BUILDING INTO BRICKWORK

1.6mm thick Hot dipped GMS frame for door with 1 pair heavy duty hinges, Double rebated

5/8/1

To suit 813 x 2032mm high door and half brick thick wall

No

2

WELDED SCREENS, GATES, ETC

Steel gates and frames

5/8/2

Single gate and frame 900 x 2100mm high overall, the outer frame of 45 x 45 x 3mm hollow section bolted to wall with and including eight 70mm M80 expansion bolts and the gate 900 x 2100mm high of 40 x 60 x 2mm hollow section frame with two 40 x 6mm flat section horizontal rails filled in with 20mm diameter vertical rails at 110mm centres fitted with one and a half pairs of suitable pin hinges welded to hollow section steel frame, complete with and including 150mm barrel bolt and padlock

No

2

Carried to Collection

R

Nkonki & Associates (c) 2023 5
 BLOCK F (KITCHEN)
 Bill No. 8
 Metalwork

IDT MPU-WP1.3-DOE PROG

BLOCK F (KITCHEN)

Bill No. 8

Metalwork

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BLOCK F (KITCHEN)

Bill No. 8

Metalwork

IDTMPU-WP1.3-DOE PROG

Item	Description	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 10</u>				
<u>TILING</u>				
NOTE:				
Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.				
Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Descriptions</u>				
Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding.				
<u>300 x 300mm Ceramic Floor Tiles</u>				
5/9/1	On Floors	m2	42	
<u>Ceramic Skirting Tiling</u>				
5/9/2	Skirting tiles	m	26	
Carried Forward to Summary of Section No. 5				R
Nkonki & Associates (c) 2023 5 BLOCK F (KITCHEN) Bill No. 9 Tilling				
IDTMPU-WP1.3-DOE PROG				

<u>Item</u>	<u>Description</u>		<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 13</u>				
	<u>PLUMBING AND DRAINAGE</u>				
	<u>(PROVISIONAL)</u>				
	NOTE:				
	Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.				
	Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.				
	<u>RAINWATER DISPOSAL</u>				
	<u>Roof Drain Outlets</u>				
	<u>Gutter and Downpipe Roof Drainage System</u>				
5/10/1	Galvanised mild steel sheet gutter system.	m	26		
5/10/2	100mm Diameter galvanized m/s rainwater downpipe fixed to walls on alloy brackets at not exceeding 1500 mm centres.	m	12		
5/10/3	Extra for angle	No	6		
5/10/4	Extra for stop end	No	4		
5/10/5	Extra for outlet for 100mm pipe	No	4		
	Carried to Collection			R	
	Nkonki & Associates (c) 2023 5 BLOCK F (KITCHEN) Bill No. 10 Plumbing and Drainage (Provisional)				
	IDTMPU-WP1.3-DOE PROG				

BLOCK F (KITCHEN)

Bill No. 10

Plumbing and Drainage (Provisional)

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BLOCK F (KITCHEN)

Bill No. 10

Plumbing and Drainage (Provisional)

IDTMPU-WP1.3-DOE PROG

Item	Description	Quantity	Rate	Amount
	<u>SECTION NO. 2</u> <u>BILL NO. 12</u> <u>GLAZING</u> <u>PREAMBLES</u> <u>SUPPLEMENTARY PREAMBLES</u> The Tenderer is advised to refer to the works information before pricing this Bill NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No. 150 for CPAP formula purposes. ----- Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence. Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.			
	Carried to Collection Nkonki & Associates (c) 2023 5 BLOCK F (KITCHEN) Bill No. 11 Glazing IDTMPU-WP1.3-DOE PROG		R	

BLOCK F (KITCHEN)

Bill No. 11

Glazing

COLLECTION

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BLOCK F (KITCHEN)

Bill No. 11

Glazing

IDTMPU-WP1.3-DOE PROG

Item	Description	Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 13</u>				
<u>PAINTWORK</u>				
NOTE:				
Bills of Quantities are to be read in conjunction with Architectural Specification Document and drawings forming part of the tender documents. Where discrepancies arise between descriptions in the Bills of Quantities and specification documents, the specification document will take precedence.				
Tenderers are advised to read and understand the Architectural Specification Document and drawings before pricing these Bills of Quantities.				
<u>ON INTERNAL PLASTER, CEILING</u>				
<u>Prepare and apply one coat primer and two coats 'WALL N' ALL' emulsion paint (colour to be approved by the Department of Education) on</u>				
5/12/1	On internal walls	m2	50	
5/12/2	On narrow widths	m2	1	
<u>Prepare and apply one coat primer and two coats 'WALL N' ALL' emulsion paint (colour to be approved by the Department of Education) on</u>				
5/12/3	On ceiling	m2	42	
<u>ON FIBRE CEMENT</u>				
Carried to Collection				R
Nkonki & Associates (c) 2023 5 BLOCK F (KITCHEN) Bill No. 12 Paintwork				
IDTMPU-WP1.3-DOE PROG				

	<u>Prepare and apply one coat primer and two coats PVC emulsion paint (colour to be approved by the Department of Education) on</u>				
5/12/4	On fascias and barge boards	m2	26		
	<u>ON METAL</u>				
	<u>Sanding and Spot priming defects in pre-primed surfaces with zinc phosphate metal primer, one coat universal undercoat and two coats super universal enamel paint on steel</u>				
5/12/5	On grilles, doors and frames	m2	4		
	<u>ON WOOD</u>				
	<u>Prepare and apply one coat calcium plumbate primer, one coat undercoat and one coat gloss enamel paint</u>				
5/12/6	On doors	m2	3		
	<u>One coat oil wood primer, one coat universal undercoat and two coats varnish on</u>				
5/12/7	On doors	m2	3		
Carried to Collection				R	
Nkonki & Associates (c) 2023 5 BLOCK F (KITCHEN) Bill No. 12 Paintwork					
IDTMPU-WP1.3-DOE PROG					

BLOCK F (KITCHEN)

Bill No. 12

Paintwork

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BLOCK F (KITCHEN)

Bill No. 12

Paintwork

IDTMPU-WP1.3-DOE PROG

Nkonki & Associates

BLOCK F (KITCHEN)

SECTION SUMMARY - BLOCK F (KITCHEN)

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5/8	Metalwork	150	
5/9	Tilling	151	
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5/11	Glazing	157	
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Nkonki & Associates (c) 2023 5 BLOCK F (KITCHEN)			
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Item	Description	Quantity	Rate	Amount
	<u>SECTION NO. 2</u> <u>BILL NO. 1</u> <u>PROVISIONAL SUMS</u> <u>NOTES:</u> 1. The Contractor's attention is drawn specifically to the Principal Building Agreement Clause 20.0 (Nominated Sub-Contractors), Clause 21.0 (Selected Sub-Contractors) and Clause 22 (Work by Others) and to the related Clauses in Section 1, Bill No. 1 - Preliminaries 2. The Contractor's attention is drawn also to the definition of attendance on Nominated or Selected Sub-Contractors and of fuel, power and water for commissioning of mechanical and other specialised installations given in the JBCC Preliminaries 3. Where special attendance includes the provision of hoisting facilities for a Sub-Contractor then the Contractor shall:- * Ensure that the capacities of his hoisting equipment are sufficient to deal with the masses and the quantities of the items to be hoisted, * Schedule the times of availability of the hoisting equipment for each Sub-Contractor, * Provide all necessary personnel to operate the hoisting equipment, all to enable the Sub-Contractor to execute the hoisting or lowering of his material, etc. using the facilities provided by the Contractor 4. Under no circumstances may any Provisional Amount, etc. be extended at an amount lower than the amount given in this Bill			
	Carried to Collection		R	
	Nkonki & Associates (c) 2023 6 PROVISIONAL SUMS Bill No. 1 PROVISIONAL SUMS IDTMPU-WP1.3-DOE PROG			

SAMBO PRIMARY SCHOOL
MPUMALANGA PROVINCE
INDEPENDENT DEVELOPMENT TRUST

Provisional sums will only be used with the prior approval of the Mpumalanga Department of Public Works, Roads and Transport

Electrical Repairs

6/1/1 Allow the amount of R 150,000.00 (One Hundred and Fifty Thousand Rand) for electrical works

Item 150,000.00

6/1/2 Profit

Item

6/1/3 Allow for general attendance

Item

Stiffening of Trusses

6/1/4 Allow the amount of R 20,000.00 (Twenty Thousand Rand) for stiffening of trusses

Item 20,000.00

6/1/5 Profit

Item

6/1/6 Allow for general attendance

Item

Carried to Collection

R

Nkonki & Associates (c) 2023 6
PROVISIONAL SUMS
Bill No. 1
PROVISIONAL SUMS

IDTMPU-WP1.3-DOE PROG

PROVISIONAL SUMS

Bill No. 1

PROVISIONAL SUMS

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PROVISIONAL SUMS

Bill No. 1

PROVISIONAL SUMS

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4	128	
5	161	
6	164	
		R
<u>COMMUNITY LIASON OFFICER</u>		
	Item	30,000.00
<u>CONTINGENCIES</u>		
<u>Contingencies</u>		
Allow 5% for contingencies to be used at the discretion of the Principlal Agent and to be deducted in whole or in part if not required		
		R
		R
		R
Carried to Form of Tender		
IDTMPU-WP1.3-DOE PROG		